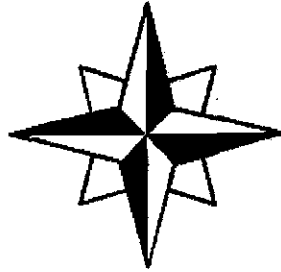


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Russell K. Hall and Associates, Inc.



Water Injection in WIPP Vicinity:

**Current Practices, Failure Rates
and Future Operations**

WIPP:1.52:REF:NO:547829

Information Only

1 of 156

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Current Practices, Failure Rates and Future Operations**

Effective January 1, 2008

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DISCUSSION

1.0 Introduction

A June 1997 report entitled, *Injection Methods: Current Practices and Failure Rates in the Delaware Basin* reviewed oilfield injection activities and practices in the nine townships contiguous to the Waste Isolation Pilot Project. This report begins "Critics of the Waste Isolation Pilot Project (WIPP) have often cited the existence of exploration and production of petroleum resources in the immediate vicinity of the WIPP site as sufficient reason to abandon the site for use as a nuclear waste disposal facility. One reason given is that the petroleum industry routinely uses water flooding techniques for pressure maintenance or secondary recovery of petroleum, or uses wells for waste (salt) water disposal. These activities are postulated by WIPP critics to induce water into the WIPP repository under pressure, thereby leading to rapid movement of radionuclides dissolved in brine within the WIPP disposal rooms toward the WIPP site boundaries, and thus leading to a violation of the release standards of Title 40 Code of Federal Regulations (CFR) Part 191 (EPA, 1993)."^{1,18} Data from the original 1997 report provided important input data "of the failure rate of water injection (WI) and salt water disposal wells (SWD)" for computer models to predict the consequences of said activities in and near the WIPP site. An April 3, 2003 Injection Report and a new report (this document) both follow a similar methodology, pursues many of the same goals and provides important data concerning oilfield water injection within the nine township area. In many respects, this report updates the data from the prior reports. Consequently, many references are made to the April 2003 and June 1997 report, and many, but not all, of the discussions previously offered are repeated herein. However, the scope of this report, like the April 2003 report, is enlarged to include a projection of future water injection development based upon an analysis of current activities.

The analysis of oilfield injection activities and practices surrounding the WIPP site is limited to nine sections, including (1) the township where the WIPP site is located (22S 31E) and (2) the surrounding eight townships. In all, these townships cover an area of approximately 324 square miles, being roughly 18 miles by 18 miles in dimension. This area was selected because the geological characteristics within this area, which include, but are not limited to, lithology, depositional environment, stratigraphy, reservoir fluid properties, geothermal gradient and geostatic pressures, would be similar to any sites where future drilling activity near the WIPP site might occur. Thus these townships are representative of present and future activity.

hydrocarbon production, but being unsuccessful at finding commercial quantities of hydrocarbons, became a water injection well.

Finally, we analyzed the purpose of each water injection well to categorize the well as either (1) a salt water disposal well or (2) a reservoir enhancement well. The primary purpose for a salt water disposal well (SWD) is to dispose of produced water, a common byproduct of hydrocarbon production. For a SWD, water is typically injected into either (1) a non-commercial hydrocarbon bearing reservoir or (2) a hydrocarbon bearing reservoir, but is of sufficient distance from oil and gas productive wells as to exhibit little or no effect on production. This contrasts to water injection wells that are designed to enhance hydrocarbon production rates and recovery, and includes both the processes of waterflooding and pressure maintenance. In these instances, water injection into a productive reservoir is hoped to increase hydrocarbon production through a combination of fluid displacement and increasing reservoir pressure. "Waterflooding is dominant among fluid injection methods and is without question responsible for the current high level of producing rate and reserves within the U. S. and Canada."²

Of particular interest are water injection wells that fall into this last category of reservoir enhancement wells. These will be discussed more fully in the section titled *Waterflood Development*.

To orient the reader, Appendix II includes various maps of the study area surrounding the WIPP site. A complete inventory of all producing wells in the study area is including as Appendix III.

2.0 Recent Water Injection Development

The 1997 *Injection Methods: Current Practices and Failure Rates in the Delaware Basin* report, identified a total of 26 injection wells with 21 active salt water disposal (SWD) wells, three active water injection wells and two temporarily abandoned or inactive SWD wells in the nine township study area. In the April 2003 Injection Report, 39 total injection wells were identified with 36 SWD or injection wells active and 3 wells temporarily abandoned or inactive. As of 1/1/2008, a total of 54 total injection wells are identified with 51 SWD or injection wells active and 3 wells temporarily abandoned or inactive. This represents an increase of 15 new SWD or water injection wells. Average daily injection into all wells is now at approximately 77,000 barrels of water injected per day (BWIPD) or approximately 1,480 BWIPD per well. This compares to average daily injection of 44,000 BWIPD at the end of 2002 or approximately 1,250 BWIPD per well. Therefore,

although total daily injection volumes have risen by 75 percent, the volume injected per well has increased slightly by 18 percent or 230 BWIPD.

3.0 Regulatory Requirements

The subject area surrounding the WIPP lies exclusively within the State of New Mexico and is subject to the Uniform Injection Code, which is administered by the New Mexico Oil Conversation Division (NMOCD). The Uniform Injection Code applies to all wells located in New Mexico whether the minerals are owned by private individuals, the State of New Mexico or the U. S. Federal government. The regulations governing water injection are stated in rules **19.15.9.701** through **19.15.9.710** are included as Appendix V. The rules apply to injection for secondary or other enhanced recovery, pressure maintenance, salt water disposal and underground storage. Rule **19.15.9.701.a** states “The injection of gas, liquefied petroleum gas, air, water, or any other medium into any reservoir for the purpose of maintaining reservoir pressure or for the purpose of secondary or other enhanced recovery or for storage or the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Division after notice and hearing, unless otherwise provided herein.”³ Consequently, permitting and monitoring of water injection wells are closely regulated by the NMOCD to maximize hydrocarbon recovery, protect correlative rights and ensure protection of the environment, both above and below the ground surface.

3.1 Testing

Injection wells move water from surface facilities to subsurface reservoirs. The nature of fluid flow into a permeable media is a well documented and understood mechanism. The rate of fluid movement is proportional to the pressure differential between the sandface and the average reservoir pressure. Thus water injection wells involve some form of pressure in the wellbore, resulting from a combination of hydrostatic pressure (the weight of the water column) and injection pumps. To ensure the injection water is disposed into only the target interval, the NMOCD outlines cementing requirements (see NMAC **19.15.9.702**), operational procedures (see NMAC **19.15.9.703**) and periodic testing (see NMAC **19.15.9.704**). Cementing requirements state the wellbore casing “shall be so set and cemented as to prevent the movement of formation or injected fluid from the injection zone into any other zone or to the surface around the outside of any casing string.”⁵

The NMOCD uses two types of tests to ensure wellbore integrity of water injection wells, the Bradenhead Test and the Mechanical Integrity Test. Typically a Bradenhead Test (BHT) is conducted annually and a Mechanical Integrity Test (MIT) is conducted at five-year intervals or anytime that a well is taken off-line for repairs, however the actual frequency of these tests may vary based on permit conditions.

The BHT is performed by opening the bradenhead valve to the atmosphere. If gas or water flow is observed or indicated, flow through the bradenhead valve is allowed to continue for a minimum of fifteen minutes. During this period, pressures are recorded at five-minute intervals on the production, intermediate and surface casing. Any fluids flowing from the bradenhead valve, including measured or estimated rates of flow, are described in detail.

The BHT tests the integrity of the tubing and packer. The tubing annulus, the volume between the tubing and the casing, is typically filled with a corrosion-inhibiting fluid. If a leak in the tubing or packer exists, the annulus becomes pressurized and flow occurs when the valve is opened.

The MIT tests the integrity of the casing and must be performed prior to injection and/or any time the tubing is pulled or the packer is resealed. In this test the tubing-casing annulus is pressurized to a minimum of 300 psia. A pressure recorder shows any loss of pressure over a 30-minute period. Copies of the pressure recorder chart must be submitted to the NMOCD within 30 days of the test date. A sudden drop in pressure indicates annular fluids are leaking out and constitutes a test failure. If a well fails a test, it is shut-in and the operator must take corrective action before returning the well to service.

During the past five years, the NMOCD changed the record keeping procedure for BHT and MIT tests. Previously, hard copy reports were filed at each regional OCD office documenting the test results. For our 2003 evaluation, we visited the Artesia and Hobbs offices and copied these reports for independent analysis. Sometime in 2005, the OCD converted to an electronic database system to track UIC test results. The database contains both historical BHT and MIT tests (those obtained prior to the conversion) and recent tests (conducted after the conversion). This system replaced the manual filing system and eliminated the need to retain hard copy reports. For the 2008 evaluation, we requested a query of the electronic database from each regional office and received an ASCII text file containing the subject data.

As part of the 2005 conversion process, the OCD also implemented an automated process to notify operators of upcoming BHT and MIT tests,

thereby eliminating the need of manually tracking and scheduling these tests. Although these electronic methods should improve reliability, we discovered some deficiencies in the system.

First, well test data is missing from the MIT and BHT electronic database. The accompanying table identifies 21 wells (39 percent) for which we could not locate historical MIT and/or BHT tests in the OCD query during the subject 5 year period. To determine if (1) the data was absent or (2) the test was never conducted, we contacted some of the operators and inquired about individual injection well tests. In some cases, operator documents show the injection testing was conducted. For these wells, it appears the test results were simply not recorded in the OCD electronic database. Although each case was not investigated, it appears 12 wells (22 percent) with intermittent missing data probably fall into this category.

Well Name and No.	Operator	API Number	County	Missing Date
Bilbrey SWD No. 1	Yates Petroleum Corp.	30-025-27620	Lea	2006, 2007
Campana 1	Devon Energy Prod Co LP	30-015-21098	Eddy	2006, 2007
Cuervo Federal No. 1	Strata Production	30-025-26844	Lea	2006
Diamondtail 23 Federal No. 2	Devon Energy	30-025-33653	Lea	2007
Diamondtail 24 Federal A No. 1	Devon Energy	30-025-33521	Lea	2004, 2005, 2007
Diamond 34 State No. 1	Pogo Producing	30-025-33387	Lea	2003, 2004, 2005, 2006, 2007
Flamenco Federal No. 1	Yates Petroleum	30-025-31076	Lea	2006, 2007
Gilmore No. 1	Strata Production	30-025-08109	Lea	2006
Kiwi SWD No. 8	Yates Petroleum	30-025-31889	Lea	2006, 2007
Lost Tank SWD No. 1	Phillips Petroleum	30-025-31443	Lea	2006, 2007
North Pure Gold Fed 9 No. 17 NHL	Devon Energy Prod Co LP	30-015-33368	Eddy	2006
Prohibition Federal Unit No. 2	COG Operating LLC	30-025-31716	Lea	2006
Poker Lake Unit No. 71	BEPCO, LP	30-015-26084	Eddy	2007
Poker Lake Unit No. 170	BEPCO. LP	30-015-31744	Eddy	2004
Proximity 31 Fed No. 4	Pogo Producing	30-025-20423	Lea	2006
Red Tank Federal No. 2	EOG Resources Inc.	30-025-08113	Lea	2006
SDE 31 Federal No. 9	XTO Energy, Inc	30-025-32868	Lea	2006, 2007
Silverton '31' Fed !	Echo Production, Inc.	30-025-32093	Lea	2006, 2007
Todd Fed 25P No. 16	Devon Energy Prod Co LP	30-015-28817	Eddy	2007
Triste Draw State 36 No. 1	EOG Resources Inc.	30-025-31929	Lea	2003, 2004, 2007
Union AJS Federal	Yates Petroleum Corp.	30-025-31412	Lea	2006, 2007

Table no. 1 – Missing UIC Tests in Study Area

Secondly, the automated notification system does not encompass all of the injection wells. Consequently OCD notices were not sent and some injections wells have not been tested since 2005. It appears the conversion process failed to capture all injection wells, consequently operators were not notified of annual testing for these wells. It appears 9 wells (17 percent) missing consecutive tests in 2006 and 2007 likely fall into this category. Of the two deficiencies, we believe the second is more severe and should be quickly corrected.

3.2 Type of Failures

The June 1997 *Injection Methods: Current Practices and Failure Rates in the Delaware Basin* identified five types of injection well failures. These include (1) tubing leak, (2) packer leak, (3) casing leak, (4) breakdown of cement sheath and (5) hydraulic fracturing of injection fluids out of zone. Based upon OCD practices, we would add a sixth type of failure, (6) an inability to conduct a test. Although this does not constitute a mechanical failure, the OCD considers a test failed if the test cannot be conducted. The bradenhead test and mechanical integrity test are designed to detect the first three types of failures. Sudden changes in annular pressure occur during these types of failures as the injection fluids pressurize the annulus during a tubing or packer leak while annular fluids migrate into a surrounding reservoir during a casing leak, thereby decreasing pressure (please see Appendix VI for an injection well wellbore schematic). None of these failures individually result in out of zone injection. The prior report found "given the infrequency of tubing and packer leaks..., and the infrequency of casing leaks, the probability of these two leaks occurring simultaneously is very, very low"¹. This conclusion remains valid, based on recent failure data. Furthermore, these failures are readily detected and repaired. Therefore these failures do not impact the WIPP site since any injected fluids are contained within the downhole tubulars and do not migrate out of the desired injection interval.

For the fourth failure type, breakdown of cement sheath, the prior report summarizes this condition very well. The report states, "the breakdown of the cement sheath between the casing and/or the borehole wall, is the only leak scenario that has the potential to impact the WIPP repository. This type of failure can only be detected by a radioactive tracer test (RTT) survey conducted inside the cased wellbore. This type of test is not a normal regulatory requirement, but may be conducted if it appears there may be fluid migration behind casing. For example, if a WI well operated to enhance oil production (i.e., waterflood operations) caused migration out of zone, anticipated recovery would not meet the predetermined expectations of the operator, thereby affecting the economics of the waterflood project. Prudent operators of waterflood projects will not allow injection fluids to migrate out of zone. Further, it is a violation of NMOCD regulations to allow migration of fluid out of the target zone."³ We would add that most operators of waterflood operations conduct periodic temperature surveys to identify the intervals where injected water travels. Since the injected water is cooler than the surrounding formations, intervals of injection exhibit below normal temperatures. This diagnostic tool is used to identify problems with injection conformance and to confirm the success of corrective actions.

The prior report also noted "if the cement sheath in a SWD is compromised by the injection process and fluid migrates upward, it is more likely that this event would go undetected for a greater period of time than for a WI well. However, the low permeability of the cement will preclude the migration of injected water through the cement sheath. One hundred percent bonding between cement/casing and cement/formation is not necessary to insure a hydraulic seal. Sixty to eighty percent cement bonding over a distance of 25 – 50 feet for 5.5 inch casing and 60 – 125 feet bonding for 8.625 inch casing is adequate to insure a hydraulic seal for injection purposes (Schlumberger 1989). Note that the minimum length of any cement sheath (production casing) within the study area is 140 feet."¹

Failure type 5, hydraulic fracture of injection fluids out of zone could occur if the pressure of the injection fluid exceeded the fracture pressure of the formation at the sand face. In general, fracture pressures typically exceed 0.8 psi per foot of depth, thus for depths ranging from 5,000 feet to 8,000 feet, the respective fracture pressures would be approximately 4,000 psi and 6,400 psi. The NMOCD requires the surface pressure not exceed 0.2 psia per foot of depth to the top of the perforations. Since the hydrostatic pressure of a column of water is .435 psi per foot (for a salt saturated solution), the maximum sand face pressures are 3,175 psi at 5,000 feet and 5,080 psi at 8,000 feet. Both are significantly below the fracture pressure and are incapable of inducing a vertical fracture.

The sole exception to the NMOCD ban on injection above 0.2 psi per foot of depth are for temporary tests, known as step-rate tests, to determine actual formation parting pressure (the pressure that induces a vertical fracture). In this test, water is initially injected at a low pressure and the injection rate measured. The injection rate is then "stepped-up" to a higher pressure using a predefined increment of perhaps 100 psi or 200 psi. Again the injection rate is measured. The process is then repeated at successively higher injection pressures. As long as the injection pressure is below the parting pressure, the increase in injection will be proportional.⁴ Thus each 100 psi increase in injection pressure translates into a like increase in injected volume. Mathematically this yields a ratio such as 5 barrels per psi. Once the injection pressure exceeds the parting pressure, the injection rates increase much more rapidly, thus the ratio of injection to pressure increases, perhaps to 10 barrels per psi. The parting pressure, the pressure that induces a vertical fracture, is determined and the maximum pressure allowed is set below the measured limit. Although the formation is fractured or parted during the test, the fracture heals once the pressure in the fracture drops below the parting pressure. Thus the fracture results of the test are temporary.

Finally, the prior report extensively addressed the geometry of a fracture created by injecting above parting pressure. Therefore please see pages 10 and 11 of the prior report for a thorough discussion of this behavior. To summarize, because water, the injectant, has a relatively low viscosity (0.60 centipoises at 140 °F), the fluid moves rapidly into the surrounding formation and generates little fracture height. This behavior, known as leak-off, results in very little fracture volume due to saltwater injection. Thus the creation of a vertical fracture (with height in excess of a few tens of feet) is highly improbable at the injection rates reviewed in the study.

4.0 Historical Injection Well Failures

Appendix I summarizes all the Bradenhead and Mechanical Integrity Tests for wells in the study area. Table no. 1 itemizes Bradenhead and Mechanical Integrity Test failures in the nine township study area since 2002.

Furthermore, the table shows the cause for the failed test and the remedial action required to return the well to injection.

Well Name and No.	Test Date	Test Type	Reason for Failure	Action	Poss Failure Type
Barclay State No. 4	Oct 2005	MIT	Operational Violation	Retest 1/21/2006	?
Campana 1	Jul 2004	MIT	Not a significant non-compliance issue	Repair Inj Commence 8/12/2004	6
Cuervo Federal No. 1	Dec 2004	Brdhd Test	Unknown	Retest 3/24/2005, test OK	1,2
Flamenco Federal No. 1	Oct 2003	Brdhd Test	High pressure on csg	Repair Pkr and tbg, Retest 10/10/2003	1,2
Forty Niner Ridge Unit No. 1	Sep 2004	Routine/Periodical	Unknown	Unknown Status	?
Lost Tank SWD No. 1	Aug 2005	Brdhd Test	Pressure on tbg & csg	Repair PKR and tbg, Retest 8/23/2005, test OK	1,2
Medano State Com 1	Oct 2005	MIT	Operational Violation	Retest 1/21/2006	?
North Pure Gold Fed 8 No. 11 NHL	Mar 2005	MIT	Unknown	Retest 3/24/2005	1,2,3
Poker Lake Unit No. 170	Oct 2007	MIT	Csg would not hold pressure	Ran 4 1/2" liner, Retest 1/28/2008	3
Proximity 31 Fed No. 4	Mar 2002	Brdhd Test	Problem with Permit	Correct Permit and Retest	6
Remuda Basin 19 Fed 2	9/2/2003	Bradhd Test	No company rep	Retest 10/16/2003, test OK	6
Remuda Basin 19 Fed 2	4/21/2004	MIT	No company rep	Retest 6/17/2004, test OK	6
State AA-2 No. 1	Sep 2003	Brdhd Test	Communication from tbg	Repair, Retest 11/12/2003	1
State AA-2 No. 1	Oct 2005	Brdhd Test	Operational Violation	Retest 1/21/2006	?
Todd 36 State No. 1	Oct 2005	MIT	Hole in valve	Repair, Retest 11/15/2005	6
Todd Fed 27P No. 16	May 2004	Brdhd Test	Tbg leak	Replace 2 jts, Retest 5/15/2004	1
Union AJS Federal	Sep 2005	Brdhd Test	Tbg leak	Replace tbg & pkr, Retest 9/27/2005	1

Table no. 2 – BHT and MIT Failures in Study Area

Seventeen test failures were identified for the 54 injection wells in the study area. However, note that five of the tests failed due to an inability to conduct a test. In this situation, a testing failure occurs since a test can not be conducted and is so noted in the OCD records. If these failures are excluded, which seems reasonable since no mechanical failure actually occurred, then 12 mechanical failures are observed. The most common cause for failure, observed seven times, was a tubing leak. In each case, the tubing was replaced and tested favorably. Casing leaks accounted for two failures.

Again these problems were repaired and the well returned to injection. The cause for failure could not be identified for four well tests, but was commonly noted as an "Operational Violation".

In June 2007, a drop in annulus pressure was observed the Red Tank Federal no. 2 during routine inspection by the field pumper.⁸ The well previously passed the bradenhead test conducted on September 16, 2005, but was not tested in 2006.⁹ A pump-in test conducted from June 28, 2007 through June 30, 2007 indicated a casing leak somewhere between 420 ft. and 461 ft. The operator commenced repair operations on July 2, 2007. The initial attempt failed to seal the leak. The operator subsequently set a casing patch from 420 ft. to 440 ft. on July 20, 2007 and subsequent pressure testing conducted over the following two days confirmed the mechanical integrity of the casing. After a small acid stimulation to clean-up perforations, the well was returned to injection on July 24, 2007.

Concurrent to the Red Tank Federal no. 2 casing leak, poor water quality was noted in a BLM water well located about one-quarter of a mile away and communication between the SWD and water well was suggested by the surface lessor. During the SWD repair procedure, the SWD operator conducted die pump-in tests, but communication between the two wells was not observed. It is unknown whether errant water injection from the Red Tank Federal no. 2 actually migrated to the water source well some distance away. Currently the SWD has resumed injection and is functioning properly.

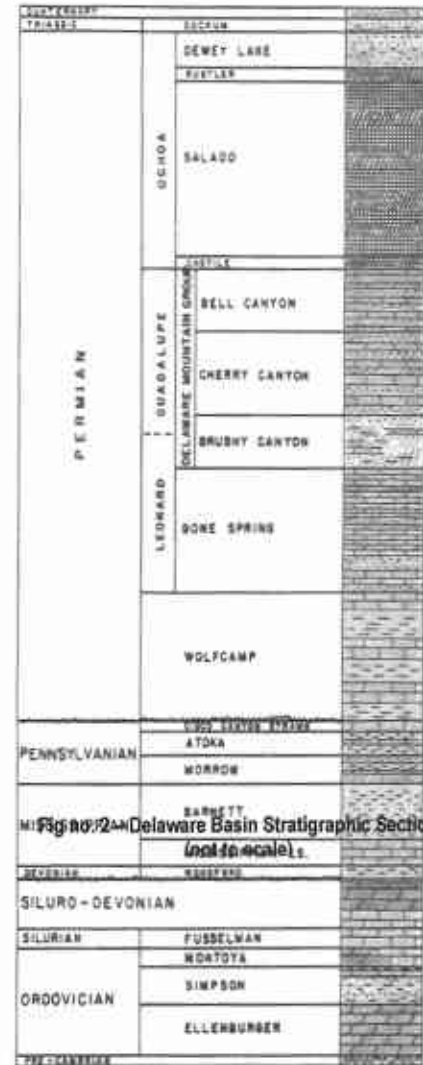
5.0 Oil and Gas Productive Formations

Oil and gas in the study area, itself a part of the vast Delaware Basin, are produced from several different formations, including Delaware Mountain Group, Bone Spring, Wolfcamp, Atoka, and Morrow. The Delaware Mountain Group can be further subdivided into Bell Canyon, Cherry Canyon and Brushy Canyon, but production is principally from the latter two in this area. The accompanying stratigraphic section (figure no. 2) shows the relative depths at which these formations are encountered in the study area. Two of the Permian age formations, Delaware and Bone Spring, are generally oil bearing and produce via solution gas expansion. The other Permian age formation, the Wolfcamp, may be either oil or gas bearing, while the Pennsylvanian age Atoka and Morrow clastics produce gas and some condensate. Both the Atoka and Morrow produce under simple gas expansion.

In the study area, the Delaware Mountain Group produces from the Cherry Canyon and the deeper Brushy Canyon. Both formations include layers of clastic sands, organic-rich siltstones and carbonate materials. In general, the cementing material is calcareous and porosity appears to be controlled by the amount of the cementing material present. "Cyclicality was a major factor in the deposition of the Brushy Canyon."⁵ Changes in sea level allowed for massive carbonate buildups along the shelf-basin margin which, during periods of relatively high sea level, trapped sediments on the shelf. When sea level fell, the trapped clastics flowed toward the basin and were deposited in vast sandstone and siltstone units. Although the exact mechanism of submarine sediment transport is debated, the result was a collection of interbedded sandstones and organic-rich siltstones that are cut by massive channel-type sandstones. The sea level change occurred repeatedly and numerous layers of sand and siltstone occur in these reservoirs. Consequently, reservoirs are typically discontinuous, both laterally and areally.

The prolific reef build-up around the boundaries of the Delaware Basin was eventually the cause of its own death. Margin reefs gradually grew together and blocked the flow of sea water from the shelf margin.⁶ This change, along with climatic events, produced conditions of evaporation in the Delaware Basin. The result was the formation of the large evaporite sections of salt, gypsum and anhydrite and represent the dying stages of the Permian as the seas retreated to the southwest.

The Bone Spring Formation of Leonardian age is composed of three carbonate units that are separated by three clastic units. The sands were deposited as debris flows from the Abo-Yeso shelf edge during periods of relatively low sea level and extend many miles into the basin. The carbonates, in contrast, were deposited during high sea level when carbonate production was greatest.¹³ Facies changes are frequent, both due to depositional conditions and diagenetic changes. Porous dolomitic lenses often change to non-porous limestone while porous sandstones frequently change laterally to non-porous dolomite and siltstone. As with the Delaware Mountain Group formations, reservoirs are very discontinuous, so much so that different facies are often



observed in adjacent wells. For example, a carbonate deposit in one well may become almost absent in an east or west offset and transition to sand. This type of facies change is especially prevalent to the north, closer to the shelf margin.

The Morrow formation encompasses three distinct clastic intervals – Lower, Middle and Upper – each separated by a major flooding surface with the Lower Morrow boundary at the top of the Mississippian unconformity. The intervals are each dominated by a particular depositional environment with the Lower Morrow being delta plain, the Middle Morrow being delta front and the Upper Morrow being carbonate shelf.^{10,11} Although these were the dominant environments, numerous sub-environments (facies) also existed including distributary channel-fill sands, channel mouth bars, and beach and barrier bar deposits. These later facies reflect the reworking of the upper portions of sand deposits by wave and wind action. The many sand deposits are typically capped by transgressive marine shales and thin carbonate deposits. Because of the complex depositional environment, the Morrow age sands typically cover a limited areal extent and the sands encountered in one well are very often different than those encountered in an offset.

Formation	Completions	Cumulative Oil (barrels)	Cumulative Gas (Mcf)	Cumulative Injection (barrels)
Delaware	1,192	70,322,000	165,425,000	108,916,000
Bone Spring	165	4,074,000	16,404,000	0
Wolfcamp	27	515,000	3,170,000	0
Strawn	9	341,000	11,669,000	0
Atoka	55	593,000	114,670,000	0
Morrow	134	1,470,000	238,807,000	0
Dry Holes	128	0	0	120,895,000
Other	28	1,367,000	4,474,000	21,000,000

Table no. 3 – Cumulative Oil and Gas Production in Study Area on 12/31/2007 (data from Lasser Production Data)

The common trait of all of these formations is reservoir discontinuity. Hence reservoirs may be characterized as relatively small, separated units. Even in a single field, production is normally from several different reservoirs. For example, in the Cabin Lake (Delaware) Field, production is from multiple sands in both the Cherry Canyon and Brushy Canyon intervals.

Table no. 2 shows the relative contribution of each formation as it relates to well count, cumulative oil production, cumulative gas production and cumulative water injection. As this table shows, Delaware wells (1,192) constitute the vast majority of total producing wellbores, followed by Bone Spring (165) then Morrow (134). Please note, that “Dry Holes” and “Other” refer to the producing well status as all water is presently injected into the

Delaware formation. The Delaware and Bone Spring oil wells typically are drilled on 40-acre spacing (16 wells per section). A tight spacing is required to adequately drain the formations due to the following reasons: (1) the reservoirs tend to be laterally and areally discontinuous, (2) the reservoirs are low permeability and (3) the produced fluids (oil and water) are relatively viscous. Hence many wellbores are needed to effectively drain these reservoirs. Even on 40 acre spacing, recovery efficiency is fairly poor and could probably benefit from denser spacing. Average cumulative production is 59,000 barrels and 138,800 Mcf for each Delaware well (1,192 wells). A normalized rate versus time plot for the Delaware wells in the study area is included in Appendix IV. Based upon the normalized production curve, remaining reserves in the Delaware completions are 56,400 barrels and 70,100 Mcf, yielding a Delaware per well estimated ultimate recovery (EUR) of 115,400 barrels and 208,900 Mcf.

	Delaware	Bone Spring	Atoka	Morrow
Cumulative Oil Production (bbl)	59,000	24,700	10,800	11,000
Estimated Remaining Oil (bbl)	56,400	31,300	500	3,200
Estimated Ultimate Oil (bbl)	115,400	56,000	11,300	14,200
Cumulative Gas Production (mcf)	138,800	99,400	2,085,000	1,782,000
Estimated Remaining Gas (mcf)	70,100	163,300	197,000	575,000
Estimated Ultimate Gas (mcf)	208,900	262,700	2,282,000	2,357,000
Cumulative Equiv Bbl	82,130	41,270	358,300	308,000
Estimated Remaining Equiv Bbl	68,090	58,510	33,330	99,030
Estimated Ultimate Equiv Bbl	150,220	99,780	391,630	407,030

Table no. 4 – Average Production and Projected Oil and Gas Recoveries in Study Area
(All Volumes are per well averages)

Bone Spring completions average 24,700 barrels and 99,400 Mcf cumulative production per well (165 wells). A normalized rate versus time plot for the Bone Spring wells in the study area is included in Appendix IV. Based upon the normalized production curve, remaining reserves in the Bone Spring completions are 31,300 barrels and 99,400 Mcf, resulting in a Bone Spring per well EUR of 56,000 barrels and 262,700 Mcf.

In contrast, the deeper Atoka and Morrow gas wells, while sharing the characteristic of discontinuity, produce a lower viscosity fluid (gas) and are capable of draining a larger area. Studies by Hall¹² suggest the average area drained by Morrow wells is between 90 to 100 acres with some wells draining in excess of 400 acres. Therefore only 55 and 134 Atoka and Morrow gas wells, respectively, are encountered in the study area. Cumulative Atoka production is at 2.085 Bcf and 10,800 barrels per well. Remaining reserves are projected at 0.197 Bcf and 500 barrels, yielding a per well EUR of 2.282 Bcf and 11,300 barrels for Atoka gas wells.

Morrow gas wells average 1.782 Bcf and 11,000 barrels cumulative production per well. Based upon the normalized production curve, remaining reserves in the Morrow completions are 0.575 Bcf and 3,200 barrels, resulting in a Morrow per well EUR of 2.357 Bcf and 14,200 barrels.

When compared to EUR's from the 2002 study, well performance is generally poorer. This behavior is expected as fields mature since step-out wells and partially depleted infill wells dominate the drilling cycle.

6.0 Future Operations

The following graph (figure no. 3) shows a distribution of drilling activity for each year in the study area since 1970. Additional information for these wells is found in Appendix III. This graph shows gradual ongoing development of oil and gas wells during the first two decades with a marked increase in activity starting in 1990.

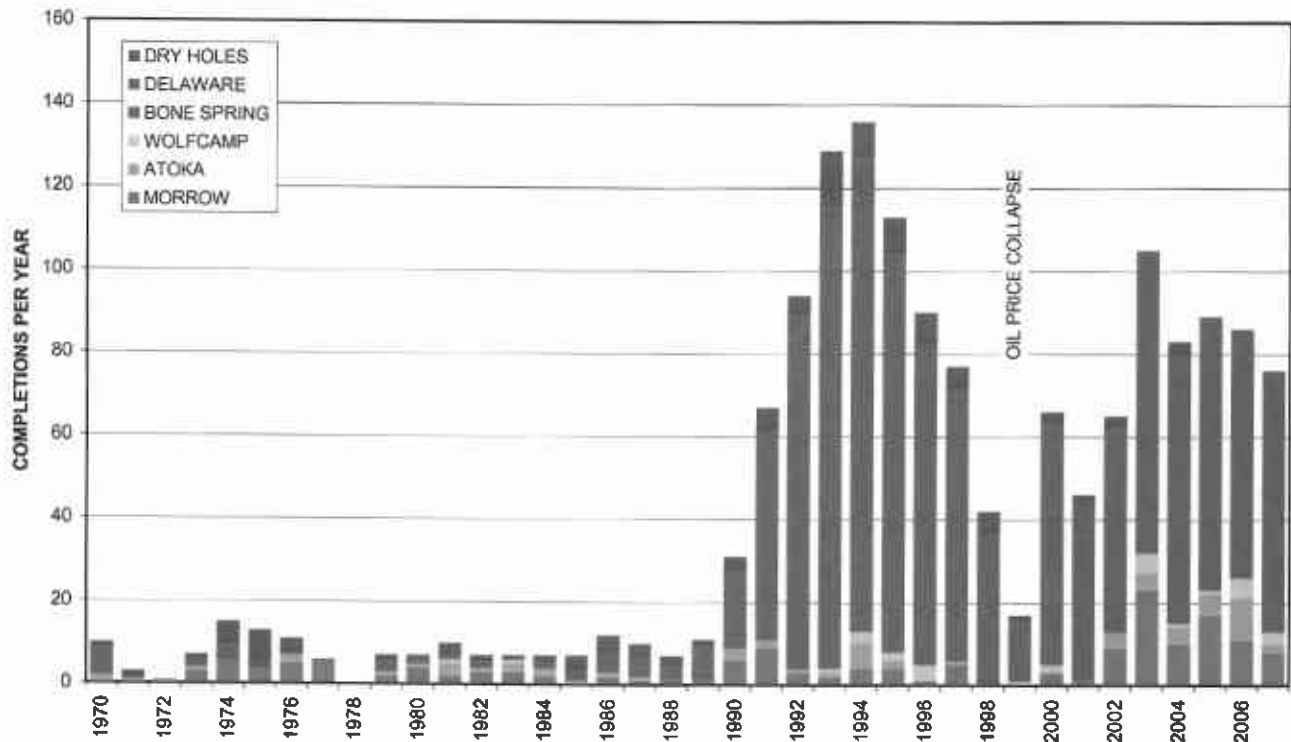


Figure no. 3 – Well Completions vs. Time in Study Area

Drilling continued at a fast pace of about 100 to 130 wells per year through the 1990's until the oil price collapse in late 1998. As commodity prices improved starting in 2000, the drilling rate rose correspondingly to 60 to 100 wells per year. However, in spite of dramatically higher oil and gas prices in the past few years, new well permits are exhibiting a slightly decreasing

trend during the 5 year study period with 241, 94, 65, 99, and 70 permits issued in 2003, 2004, 2005, 2006, and 2007, respectively. These numbers consider the first issuance of a permit and do not include permits reissued for the same well once a permit expires. At year end 2007, 273 wells were permitted yet undrilled. The NMOCD issues drilling permits for a one year period which expire if drilling operations have not commenced. We have not determined the current status (active or expired) of the 273 permits issued in the study area.

As the graph illustrates, wells targeting the Delaware Mountain Group constitute the majority of drilling since 1985. Discussions with operators in the study area confirm favorable economics for the Delaware formation and plans are underway by many operators to continue development of this formation with infill and extension drilling. One additional secondary recovery injection was permitted during the study period to further investigate to attractiveness of waterflood operations. If oil prices remain close to current levels, we believe Delaware well drilling will continue at 40 to 60 wells per year for at least five more years.

Bone Spring wells offer relatively low reserves of approximately 53,000 equivalent barrels per completion. However with the significant recent increase in commodity prices, the Bone Spring offers attractive economic returns and more wells have targeted this reservoir in recent years. Finally, the Bone Spring will likely be tested in Atoka and Morrow gas wells once these reservoirs are depleted.

Operators typically consider the Pennsylvanian gas reservoirs, Atoka and Morrow, together since the channel sands are quite unpredictable. Thus a Morrow test often includes the Atoka as a "bail-out" or secondary target. Therefore, economics for these formations are calculated in this report assuming the Morrow is the primary target with the Atoka as the secondary target. A survey of post-1970 wells reveals 89 wells produced from the Morrow sands, but 13 of these were later recompleted into the shallower Atoka sands. Twenty-six wells produced from only the Atoka sands (presumably the Morrow was dry), while 22 dry holes encountered no production in either the Morrow or Atoka. Therefore, in all, 198 wellbores were drilled to test Pennsylvanian targets. In recent years, 20 to 30 wells test these sands each year and we expect future drilling to continue at this rate.

The following graph (figure no. 4) depicts production and injection for all of the wells in the nine township study area. Monthly volumes for oil

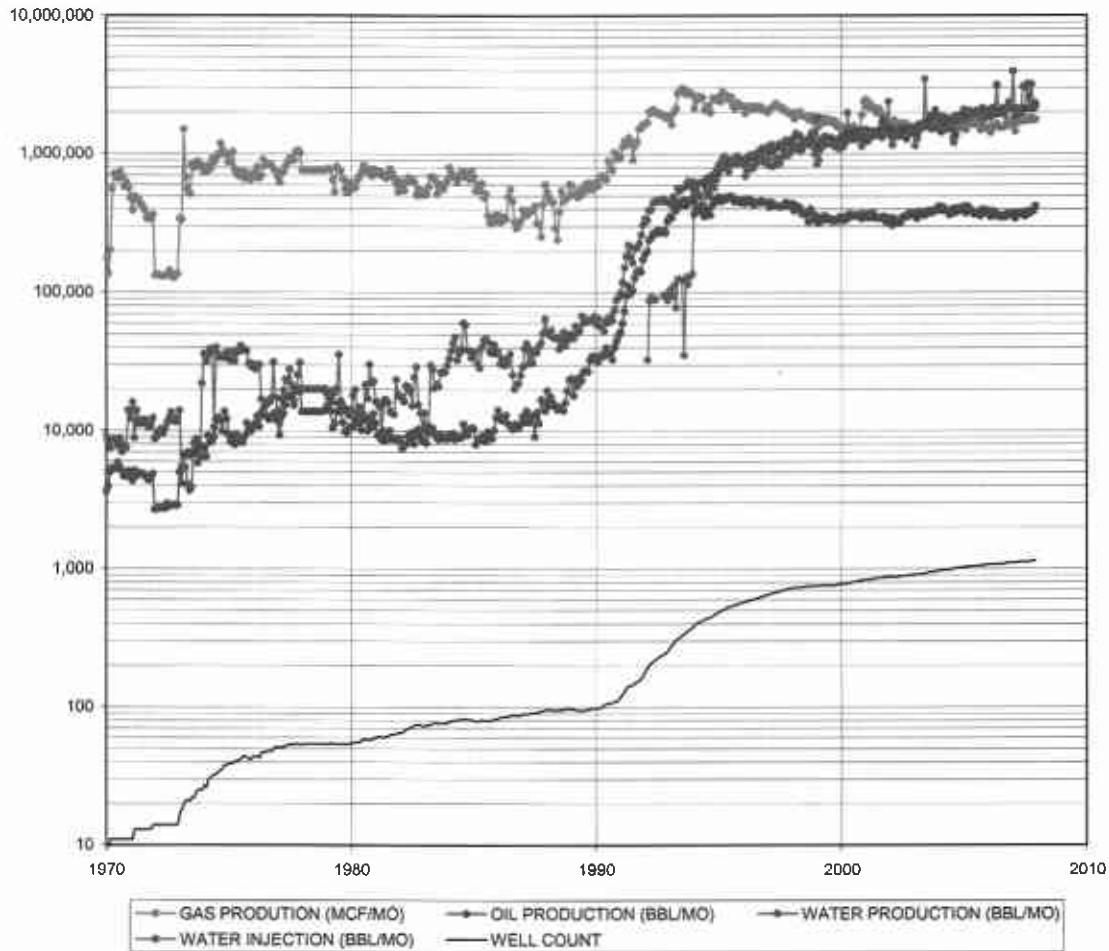


Figure no. 4 – Total Production vs. Time in Study Area

production, gas production, water production, water injection and well count are plotted versus time for a period from 1970 through 2007. This graph includes all wells regardless of productive interval (Morrow, Atoka, Bone Spring, Delaware, etc.) and all water injection wells. The graph illustrates several important features for wells in this area. First, *total water injection is essentially equal to total water production*. Obviously, little or no make-up water is injected. During the last five years, from 2003 through 2007, water production averaged 1,999,500 barrels of water per month while water injection averaged 1,921,100 barrels of water per month. The slight difference between these two values probably represents an error in water measurement. Since produced water, unlike oil or gas, is not sold, most operators allow for some error in determining produced water volumes and an error of seven or eight percent is deemed acceptable.

6.1 Waterflood Development

We reviewed the performance of every producing well in the study area to determine if water injection influence oil and gas production. Two groups of wells appear to benefit from offset water injection. The first group, in the Cabin Lake (Delaware) Field, is located to the northwest of the WIPP site boundary in township 22S 30E. The second group of wells is to the east of the WIPP site boundary in the Livingston Ridge (Delaware) Field in township 22S 31E.

The first group, in the Cabin Lake (Delaware) Field, show a response to water injection in James "A" no. 3 and James "A" no. 12. In this instance, six Delaware oil wells exhibit either (1) increasing production or (2) production that declines more gradually than is generally expected based upon field-wide characteristics. The responding oil wells are indicated in the accompanying map (figure no. 5) by orange circles.

ConocoPhillips Company operates both the injection wells and producing

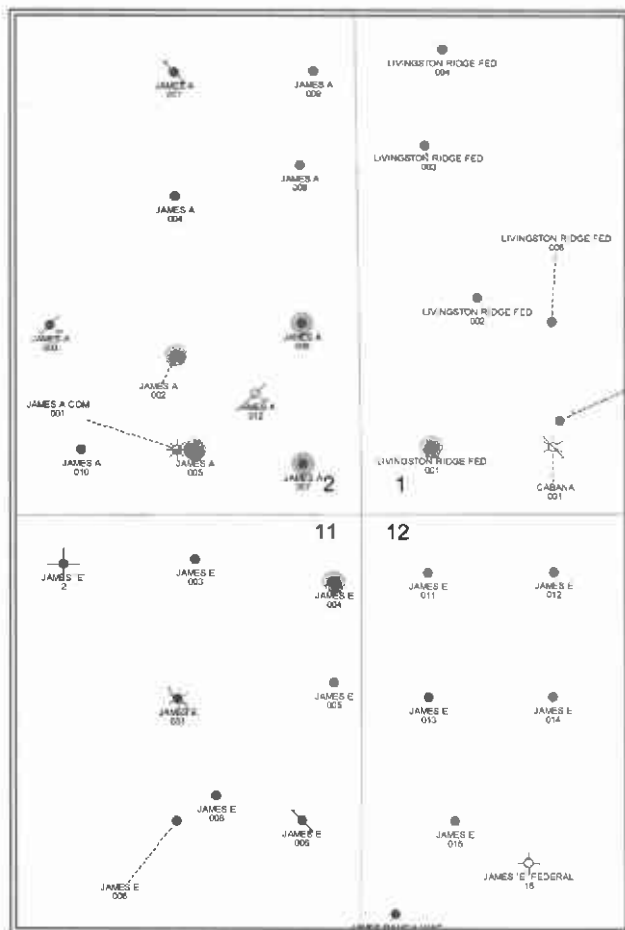


Figure no. 5 – Map of Cabin Lake Area

wells. Discussions with the operator indicate no plans are presently in place to expand injection, either with larger volumes in the existing wells or with additional injection wells. Furthermore, the operator believes further study of the Delaware formation is needed before the working interest owners could approve such an expansion project. We believe the operator will not pursue an expansion of this project for several reasons. These include: (1) staff and financial resources do not appear to be directed toward such a project, (2) the total project is relatively small and offers little incentive for a large international major company, (3) lifting costs would increase substantially which appear contrary to corporate goals, (4) the Delaware formation is complex with little current understanding as to productive or injective intervals (both Cherry

Canyon and Brushy Canyon intervals are open in producers and injectors) and (5) a source for make-up water is not readily available. These hurdles are significant, consequently we believe expansion of water injection in the Cabin Lake (Delaware) Field by ConocoPhillips Company is unlikely and anticipate the status quo (disposal of produced water) to be maintained.

The second area with response to water injection is found in the Livingston Ridge (Delaware) Field. Again the wells with response to water injection are indicated by orange circles (figure no 6). Three wells exhibited some improvement in production, apparently due to water disposal in the Neff Federal no. 3. However, producer response in this area is much poorer than observed in the Cabin Lake (Delaware) Field even though injection volumes are about the same at 2,000 barrels to 2,500 barrels of water per day.

In a 1995 SPE paper entitled *Characterization of a Delaware Slope Basin Reservoir for Optimal Development*, Weiss, Ouenes and Sultan of New Mexico Petroleum Recovery Research Center studied primary performance of the East Livingston (Delaware) Field. This field is located in township 22S 32E, about five miles east of the WIPP site boundary. Their work compared actual

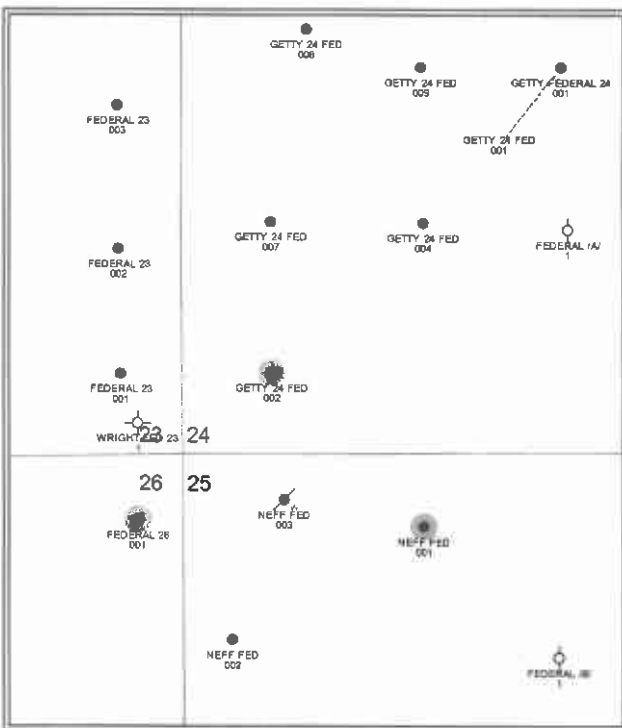


Figure no. 6 – Map of Livingston Ridge Area

primary performance to a reservoir model consisting of seven layers, each corresponding to a different geological interval in the Brushy Canyon formation. After matching the model projected production to three years of production data, their work suggested a very low primary recovery factor (0.67 percent) for the current 23 producing wells.¹³ This low primary recovery is consistent with the Avalon field with a projected primary recovery of 1.5 percent.¹⁵ To improve total recovery, the authors modeled both (1) an infill drilling project and (2) a secondary recovery project using two uneconomic producers converted to water injection. For the water injection project, they concluded “the

high watercut, low oil recovery characteristics of the simulated waterflood suggest that it is not a viable strategy”.¹⁴ Jenkins suggested high interstitial water saturations might result in inefficient flooding of the Delaware sands.¹⁶

Based on lack of response to injection in this field, these conclusions seems reasonable.

7.0 Reservoir Fill-Up

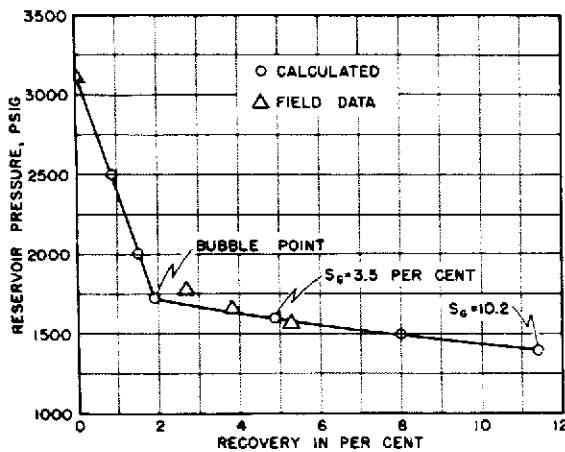


Figure no. 7 - Reservoir Pressure vs. Recovery

As reservoir fluids (oil, gas, water) are produced in undersaturated oil reservoirs, reservoir pressure decreases. The Delaware formation in the study area is considered an undersaturated oil reservoir based on performance characteristics. The accompanying graph (figure no. 7), after Craft and Hawkins¹⁷, depicts how pressure typically declines in solution-gas drive reservoirs. (Please note, the graph represents a typical solution-gas drive reservoir, the Kelly Snyder Field and is not calculated from any of the

fields in the study area.) As this graph illustrates, reservoir pressure decreases as fluids are withdrawn (shown as *recovery in per cent*). The pressure decrease is most pronounced above the bubble point when gas remains in solution and fluid expansion is the dominant drive mechanism. This is because reservoir fluids are relatively incompressible and small changes in volume (Δv) translate into large changes in pressure (Δp). Pressure changes more gradually once pressure falls below the bubble point as expansion of the fluid is a combination of fluid expansion and increasing gas saturation. Since the Delaware Mountain group formations produce under a solution gas drive mechanism, average reservoir pressure decreases with time, provided total withdrawals exceed total injection.

A survey of the water injection and salt water disposal wells in the study area shows *all* injection is into the Delaware Mountain group. Hence if total fluid production (oil, gas, water) is a larger volume (at reservoir conditions) than total fluid injection (water) the average reservoir pressure has decreased with time. This assumes the injection is evenly distributed throughout the reservoir such that no area receives a disproportionate injection volume in relation to production. This assumption will, for now, be accepted, but will be shown later in this discussion to be correct. The accompanying graph (figure no. 8) shows the injection / withdraw ratio as a function of time for the Delaware Mountain Group.

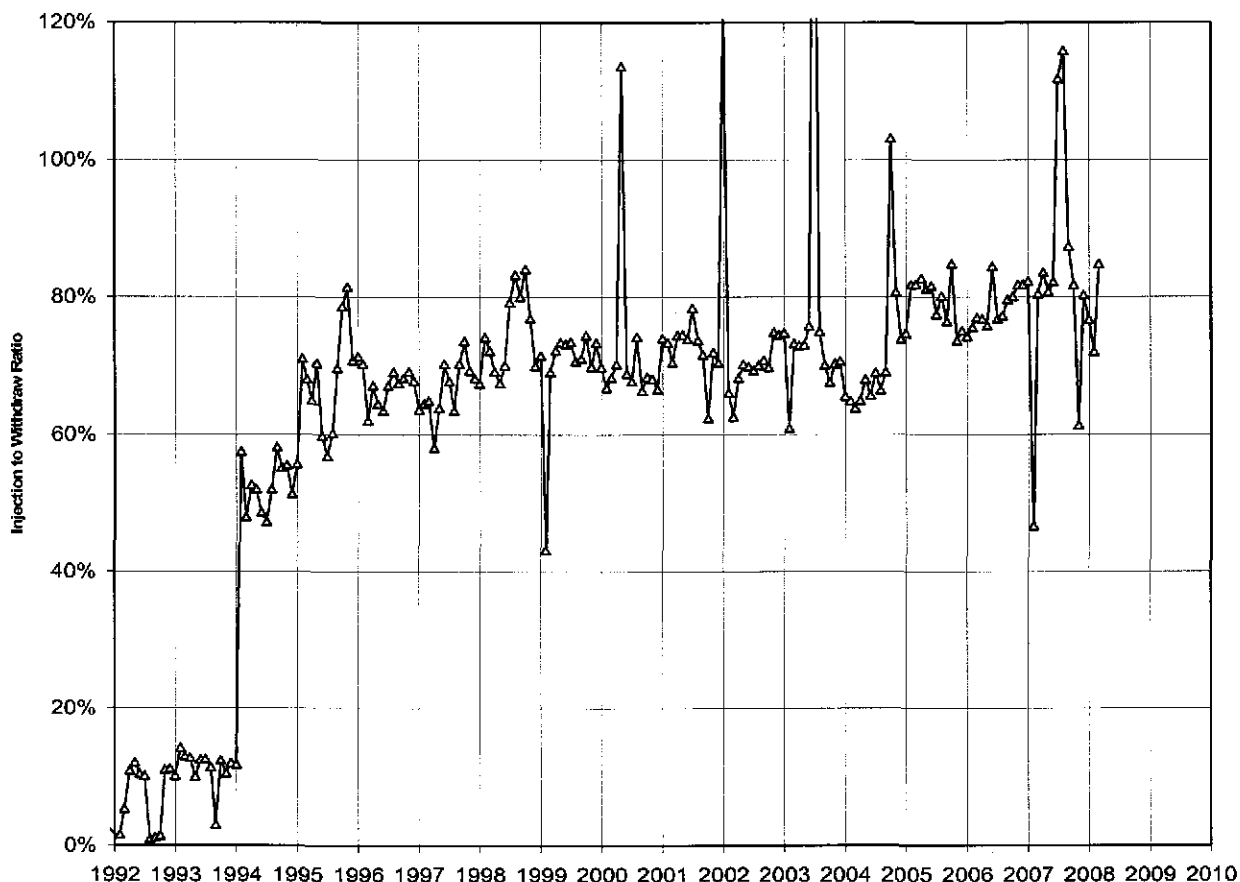


Figure no. 8 – Injection to Withdraw Ratio vs. Time in Study Area

This graph shows the injection to withdraw ratio, although gradually climbing, remains less than unity. (Six months actually are higher than a 1.0 ratio, however, the injection reports for two wells appear anomalous in several of these months.) Consequently, (1) withdraws continue to outpace injection, (2) reservoir voidage continues to increase and (3) reservoir pressure in the Delaware Mountain Group formations is declining. The current net voidage is approximately 127,000,000 reservoir barrels. If the present water injection rate of 2,300,000 barrels of water per month were to double, it would take approximately 4.5 years just to fill-up the current voidage. This calculation assumes production continues on the current decline trend.

When compared to the prior 2002 study, water injection is markedly higher at a 2007 average of 74,100 barrels of water per day versus 47,800 barrels of water per day during 2002. However when only injection wells operating in 2002 are considered, the actual increase is slight at 2,600 barrels of water per day or about 5.4 percent. Thus nearly all of the increased volumes are attributable to 15 new wells with average daily injection of 16,100 barrels of

water per day. The new wells inject at an average rate of 1,075 barrels of water per day per well.

The maximum volume of any injection well is 7,360 barrels of water per day for the Todd 36 State no. 1 in January 2008. This volume represents approximately 9.9 percent of the total volume injected in the study area. The section with the most injection is section 36 in 23S 31E with an average injection of 5,200 barrels of water per day into one well representing about 7.0 percent of the total. Twelve additional sections have average injection ranging from 4,340 barrels of water per day to 2,150 barrels of water per day. The thirteen sections with the highest injection volumes account for 54.5 percent of the total injection in the study area. These thirteen sections are scattered throughout the area, three are in township 22S 31E, three are in township 22S 32E, two are in township 22S 30E, three are in township 23S 31E, one is in township 23S 31E and one is in township 21S 32E. Consequently, injection is rather evenly distributed, with no single area receiving a disproportionate volume of water.

8.0 Data Acquisition

The data used herein consists primarily of two types of information, well volume data and well testing data. The well volumes of oil, gas, water and water injection were obtained from a combination of sources including the New Mexico Oil Conservation Division, New Mexico Oil & Gas Engineering Committee and *Lasser Production Data, Inc.* *Lasser* maintains a proprietary database derived from public records. Well test data were obtained from well files at the NMOCD office in Santa Fe, New Mexico and from the Risk Based Data Management System (RBDMS) database in the OCD District I office in Hobbs, New Mexico and the OCD District II office in Artesia, New Mexico. All data were obtained during May and June 2008 and are believed to include all data available through December 2007.

9.0 Conclusions

Based upon a study of both producing and injection wells in the nine township study area, we offer the following conclusions:

1. Ongoing development of oil and gas bearing reservoirs in the study area will continue throughout the next five years provided economic returns remain favorable (i.e. oil and gas prices and drilling costs remain comparable). The rate of drilling for the Delaware Mountain Group (Cherry Canyon, Brushy Canyon) oil wells is projected at 40 to 60 wells per year. Pennsylvanian gas well completions in the Atoka and Morrow formations should be similar to historic rates of 20 to 30 wells per year. New SWD wells will be needed to handle the additional volumes of produced water from new oil and gas wells.
2. Improving commodity prices encourage additional drilling activity. If oil and gas prices remain relatively constant, the drilling rates suggested in conclusion no. 1 are reasonable. Should commodity prices drop, then fewer well will likely be drilled. Conversely, should commodity prices rise, then drilling will likely proceed at a faster pace.
3. Strawn, Wolfcamp and Bone Spring reservoirs alone offer poor economics. These reservoirs, however, are reasonable targets in existing wells as deeper Atoka and Morrow sands become depleted.
4. The depositional environments in this region of the Delaware Basin suggest small, discontinuous reservoirs. Well performance and geological interpretation further support the concept of compartmentalized reservoirs.
5. For the study area, water injection into the Delaware Mountain Group formations is principally a water disposal operation. Therefore water injection volumes are virtually the same as produced water volumes. Several significant factors are disincentives to waterflooding of the Delaware reservoirs. Therefore, the status quo should continue and any increases in water injection should simply mirror increases in water production.
6. NMOCD regulations governing the operation of SWD and injection wells appear to successfully control the injection pressures and mechanical failures of said wells. Mechanical failure rates are low and water injection out of zone rarely occurs under these conditions. However, during the past five years, the NMOCD has experienced

difficulty in consistently applying these regulations to schedule, monitor, and record MIT and BHT tests. We believe this represents a significant shortfall in the enforcement of the New Mexico regulations and should be corrected. Although it is beyond the scope of this report to identify improvements, we do observe the active injector well count in the study area has increased 42 percent in five years with virtually no change in staffing levels at the OCD District Offices.

7. Reservoir voidage in the Delaware Mountain Group formations continues to increase. Consequently average reservoir pressure is declining.

Mandated testing ensures that mechanical failure of tubing, packer or casing is routinely detected and repaired. Furthermore, operators observe the statutory maximum injection pressures, thereby preventing out-of-zone fracturing. Operators of SWD wells generally seek to maintain low injectivity pressure and thereby minimize pumping costs. Such preferred lower pressures further reduce the potential for fracturing and migration out-of-zone. As drilling increases so will the need to dispose increased volumes of produced waters. Careful and prudent operation of disposal wells, as well as consistent enforcement of the governing injection rules, are important to help insure the injected waters are retained in the intended zones.

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**APPENDIX I
WELL TESTS**

	Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result
1	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	9/6/2002	Brdhd Test	Acceptable
	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	8/13/2003	MIT	Acceptable
	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	1/1/2004	Brdhd Test	Acceptable
	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	1/1/2005	Brdhd Test	Acceptable
	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	1/1/2006	Brdhd Test	Acceptable
	Aracanga Federal No. 1	Pogo Producing	O 4 23S 32E	Lea	Delaware	3/19/2007	Brdhd Test	Acceptable
2	Barclay Fed No. 11H 1	Devon Energy Production Company	H 11 23S 31E	Eddy	Delaware	11/24/2004	INITIAL	Acceptable
	Barclay Fed No. 11H 1	Devon Energy Production Company	H 11 23S 31E	Eddy	Delaware	10/17/2005	Brdhd Test	Acceptable
	Barclay Fed No. 11H 1	Devon Energy Production Company	H 11 23S 31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
	Barclay Fed No. 11H 1	Devon Energy Production Company	H 11 23S 31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
3	Barclay State No. 4	BP America	O 2 23S 31E	Eddy	Delaware	7/1/1999	Brdhd Test	Acceptable
	Barclay State No. 4	BP America	O 2 23S 31E	Eddy	Delaware	8/2/2000	Std. Annulus PT	Acceptable
	Barclay State No. 4	BP America	O 2 23S 31E	Eddy	Delaware	6/26/2001	Brdhd Test	Acceptable
	Barclay State No. 4	BP America	O 2 23S 31E	Eddy	Delaware	7/25/2002	Brdhd Test	Acceptable
	Barclay State No. 4	BP America	O 2 23S 31E	Eddy	Delaware	9/9/2003	Brdhd Test	Acceptable
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	4/22/2004	Brdhd Test	Acceptable
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	10/18/2005	5/yr	Failure
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	11/8/2005	5 year	Acceptable
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	11/1/2006	Brdhd Test	Acceptable
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	11/7/2007	Brdhd Test	Acceptable
	Barclay State No. 4	Forest Oil Corp	O 2 23S 31E	Eddy	Delaware	5/14/2008	Brdhd Test	Acceptable
4	Bilbrey SWD No. 1	Yates Petroleum Corp.	B 5 22S 32E	Lea	Delaware	1/6/2004	INITIAL	Acceptable
	Bilbrey AZW Fed 1	Yates Petroleum Corp.	B 5 22S 32E	Lea	Delaware	2/24/2005	Brdhd Test	Acceptable
5	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	9/13/1995	Std. Annulus PT	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	7/15/1997	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	6/23/1998	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	6/16/1999	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	8/1/2000	Std. Annulus PT	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	6/26/2001	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	7/11/2002	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	6/18/2003	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	4/20/2004	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	10/24/2005	Pressure Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	10/11/2006	Brdhd Test	Acceptable
	Cal-Mon No. 5	Pogo Producing	G 35 23S 31E	Eddy	Delaware	10/12/2007	Brdhd Test	Acceptable
	6	Campana 1	Devon Energy Prod Co LP	E 6 22S 31 E	Eddy	Delaware	7/21/2004	MIT
Campana 1		Devon Energy Prod Co LP	E 6 22S 31 E	Eddy	Delaware	10/17/2005	Brdhd Test	Acceptable
7	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	6/12/1997	Std. Annulus PT	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	7/8/1998	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	7/1/1999	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	8/2/2000	Std. Annulus PT	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	6/14/2001	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	7/23/2002	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	7/23/2003	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	6/2/2004	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	Maralo LLC	E 29 23S 30E	Eddy	Delaware	10/24/2005	Pressure Test	Acceptable
	Charger 29 Federal No. 1	COG Operating LLC	E 29 23S 30E	Eddy	Delaware	10/11/2006	MIT	Failure
	Charger 29 Federal No. 1	COG Operating LLC	E 29 23S 30E	Eddy	Delaware	10/24/2006	Brdhd Test	Acceptable
	Charger 29 Federal No. 1	COG Operating LLC	E 29 23S 30E	Eddy	Delaware	10/24/2007	Brdhd Test	Acceptable
	8	Cleary AKC Federal	Yates Petroleum Corp.	D 22S 32 E	Lea	Delaware	8/21/2007	INITIAL
9	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/5/1996	Std. Annulus PT	
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/6/1997	Brdhd Test	
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	4/11/1998	Brdhd Test	
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/19/1999	Brdhd Test	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/7/2000	Brdhd Test	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/6/2001	Std. Annulus PT	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	12/2/2003	Brdhd Test	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	12/16/2004	Brdhd Test	Failure
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/24/2005	MIT	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	3/24/2005	Pressure Test	Acceptable
	Cuervo Federal No. 1	Strata Production	J 14 23S 32E	Lea	Delaware	4/11/2007	Brdhd Test	Acceptable

	Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result
10	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	8/16/1995	Std. Annulus PT	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	6/12/1997	Brdhd Test	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	7/2/1998	Brdhd Test	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	7/9/1999	Brdhd Test	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	8/11/2000	Std. Annulus PT	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	8/29/2001	Brdhd Test	Acceptable
	David Ross AIT Federal No. 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	8/20/2002	Brdhd Test	Acceptable
	David Ross Federal SWD 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	7/28/2003	Brdhd Test	Acceptable
	David Ross Federal SWD 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	4/22/2004	Brdhd Test	Acceptable
	David Ross Federal SWD 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	10/18/2005	Pressure Test	Acceptable
	David Ross Federal SWD 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	David Ross Federal SWD 1	Yates Petroleum	H 35 22S 31E	Eddy	Delaware	10/18/2007	Brdhd Test	Acceptable
	11	Diamondtail 23 Federal No. 2	Concho Resources	H 23 23S 32E	Lea	Delaware	11/18/1999	Std. Annulus PT
Diamondtail 23 Federal No. 2		Concho Resources	H 23 23S 32E	Lea	Delaware	4/9/2000	Std. Annulus PT	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	4/5/2001	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	4/23/2002	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	12/17/2002	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	1/1/2003	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	1/1/2004	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2		Devon Energy	H 23 23S 32E	Lea	Delaware	2/17/2005	Brdhd Test	Acceptable
Diamondtail 23 Federal No. 2	Devon Energy	H 23 23S 32E	Lea	Delaware	2/21/2006	MIT	Acceptable	
12	Diamondtail 24 Federal A No. 1	Concho Resources	E 24 23S 32E	Lea	Delaware	6/14/2001	Std. Annulus PT	Acceptable
	Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	12/18/2002	Brdhd Test	Acceptable
	Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	1/19/2003	MIT	?
	Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	10/10/2003	MIT	Acceptable
	Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	1/1/2004	Brdhd Test	Acceptable
	Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	1/1/2005	Brdhd Test	Acceptable
Diamondtail 24 Federal A No. 1	Devon Energy	E 24 23S 32E	Lea	Delaware	1/26/2006	Brdhd Test	Acceptable	
13	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	11/21/1996	Brdhd Test	
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	12/11/1997	Brdhd Test	
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	12/8/1998	Brdhd Test	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	12/15/1999	Brdhd Test	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	1/24/2001	Std. Annulus PT	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	4/19/2002	Brdhd Test	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	10/7/2003	Brdhd Test	Failure
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	10/10/2003	MIT	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	10/10/2003	Repaired	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	10/13/2004	Brdhd Test	Acceptable
	Flamenco Federal No. 1	Yates Petroleum	L 7 22S 32E	Lea	Delaware	9/9/2005	Brdhd Test	Acceptable
14	Forty Niner Ridge Unit No. 1	Strata Production	J 16 23S 30E	Eddy	Delaware	9/2/2004	Routine/Periodica	Failure
	Forty Niner Ridge Unit No. 1	Strata Production	J 16 23S 30E	Eddy	Delaware	10/28/2004	INITIAL	Acceptable
	Forty Niner Ridge Unit No. 1	Strata Production	J 16 23S 30E	Eddy	Delaware	12/1/2005	Brdhd Test	Acceptable
	Forty Niner Ridge Unit No. 1	Strata Production	J 16 23S 30E	Eddy	Delaware	10/11/2006	Brdhd Test	Acceptable
	Forty Niner Ridge Unit No. 1	Strata Production	J 16 23S 30E	Eddy	Delaware	10/24/2007	Brdhd Test	Acceptable
15	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	9/14/1995	Std. Annulus PT	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	6/12/1997	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	7/2/1998	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	7/2/1998	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	7/9/1999	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	8/9/2000	Std. Annulus PT	Acceptable
	Getty 24 Federal No. 5	Texaco	C 24 22S 31E	Eddy	Delaware	9/12/2001	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	7/18/2002	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	9/2/2003	Brdhd Test	Failure
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	4/21/2004	MIT	Failure
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	10/16/2003	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	6/17/2004	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	10/18/2005	Pressure Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	10/17/2007	Brdhd Test	Failure
	Getty 24 Federal No. 5	Chevron USA	C 24 22S 31E	Eddy	Delaware	11/2/2007	Brdhd Test	Acceptable
16	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	5/21/1992	INITIAL MIT	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	3/5/1996	Brdhd Test	Acceptable

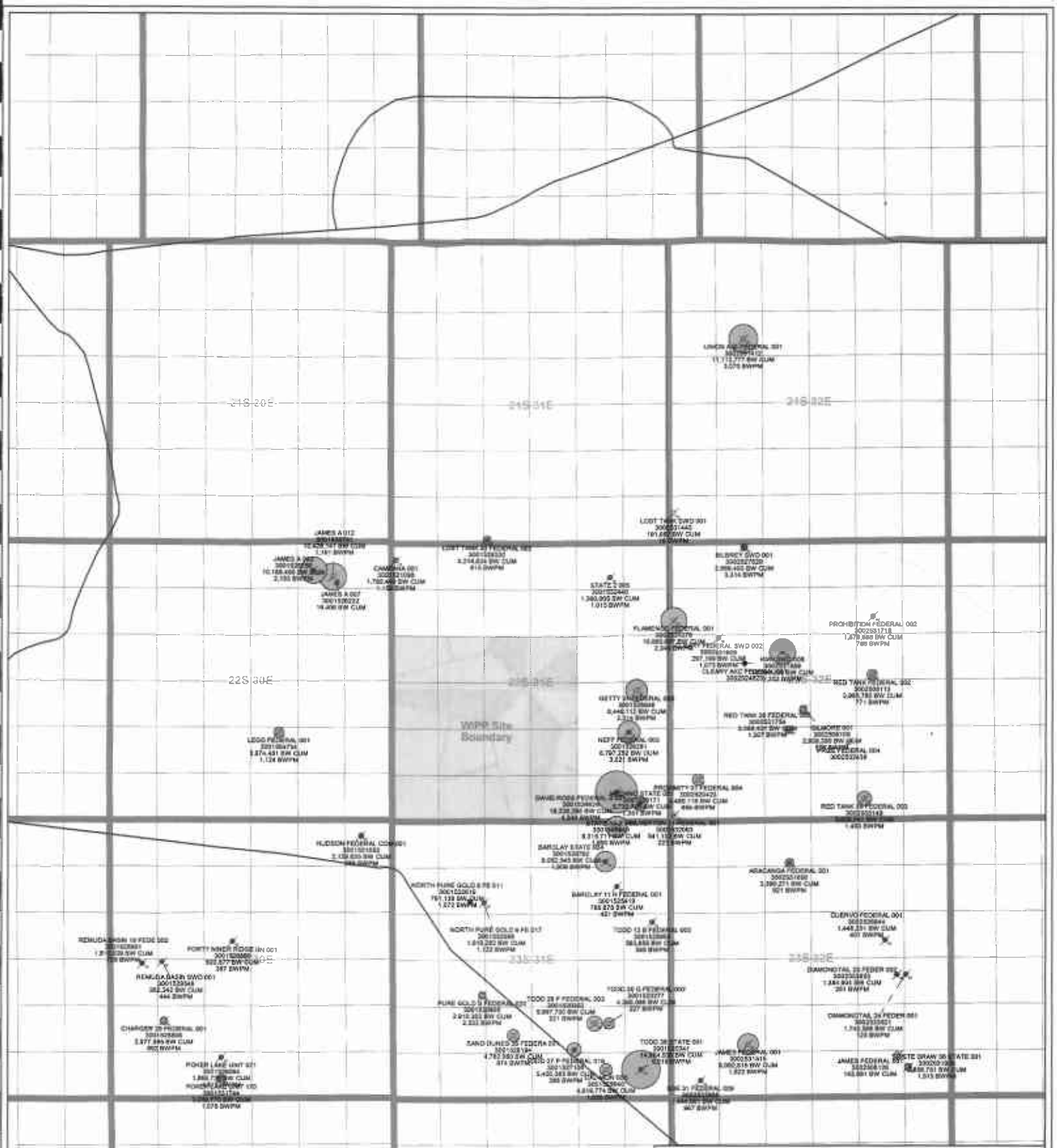
	Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	3/6/1997	Std. Annulus PT	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	4/11/1998	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	3/19/1999	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	3/7/2000	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	3/6/2001	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	4/19/2002	Std. Annulus PT	Failure
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	4/20/2002	Std. Annulus PT	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	12/2/2003	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	12/16/2004	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	11/30/2005	Brdhd Test	Acceptable
	Gilmore No. 1	Strata Production	I 21 22S 32E	Lea	Delaware	4/11/2007	Brdhd Test	Acceptable
17	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	11/13/2000	Std. Annulus PT	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	6/14/2001	Brdhd Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	5/16/2002	Brdhd Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	10/21/2005	MIT	???
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	6/25/2003	Brdhd Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	4/22/2004	Brdhd Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	10/21/2005	Pressure Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	Hudson Federal No. 1	Bass Enterprises	F 1 23S 30E	Eddy	Delaware	10/18/2007	Brdhd Test	Acceptable
18	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	9/13/1995	Std. Annulus PT	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	8/6/1997	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	7/6/1999	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	8/8/2000	Std. Annulus PT	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	6/20/2001	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	7/18/2002	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	6/25/2003	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	4/12/2004	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/14/2005	MIT	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	James A No. 1	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/17/2007	Brdhd Test	Acceptable
19	James A No. 3	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	6/25/2003	Brdhd Test	Acceptable
	James A No. 3	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	4/12/2004	Brdhd Test	Acceptable
	James A No. 3	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/14/2005	Pressure Test	Acceptable
	James A No. 3	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	James A No. 3	ConocoPhillips	K 2 22S 30E	Eddy	Delaware	10/17/2007	Brdhd Test	Acceptable
20	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	8/8/2000	Std. Annulus PT	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	6/20/2001	Brdhd Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	7/18/2002	Brdhd Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	6/25/2003	Brdhd Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	4/12/2004	Brdhd Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	10/14/2005	5/yr	
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	10/14/2005	Pressure Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	James A No. 12	ConocoPhillips	P 2 22S 30E	Eddy	Delaware	10/17/2007	Brdhd Test	Acceptable
21	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	12/12/1996	Brdhd Test	
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	12/16/1997	Brdhd Test	
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	12/22/1999	Brdhd Test	Acceptable
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	1/18/2001	Brdhd Test	Acceptable
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	12/17/2002	Std. Annulus PT	Acceptable
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	12/16/2003	Brdhd Test	Acceptable
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	2/17/2005	Brdhd Test	Acceptable
	James Federal No. 1	Harvard Petroleum	O 29 23S 32E	Lea	Delaware	2/21/2006	Brdhd Test	Acceptable
22	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	12/12/1996	Std. Annulus PT	
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	12/16/1997	Brdhd Test	
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	12/21/1998	Brdhd Test	Acceptable
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	1/7/2000	Brdhd Test	Acceptable
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	1/25/2001	Brdhd Test	Acceptable
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	5/2/2002	Std. Annulus PT	Failure
	James Federal No. 1	Tempo Energy	A 35 23S 32E	Lea	Delaware	1/24/2003	P&A	

	Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result
23	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	11/21/1996	Brdhd Test	
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	12/11/1997	Brdhd Test	Failure
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	12/8/1998	Brdhd Test	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	12/15/1999	Brdhd Test	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	1/29/2001	Brdhd Test	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	4/19/2002	Std. Annulus PT	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	5/19/2003	MIT	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	1/1/2004	Brdhd Test	Acceptable
	Kiwi SWD No. 8	Yates Petroleum	F 16 22S 32E	Lea	Delaware	9/9/2005	Brdhd Test	Acceptable
24	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	9/13/1995	Std. Annulus PT	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	7/17/1997	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	6/29/1999	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	7/26/2000	Std. Annulus PT	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	6/20/2001	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	5/16/2002	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	6/25/2003	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	4/12/2004	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	10/14/2005	Pressure Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	Legg Federal No. 1	Bass Enterprises	B 27 22S 30E	Eddy	Delaware	10/18/2007	Brdhd Test	Acceptable
25	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	4/26/1999	Std. Annulus PT	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	9/6/2000	Std. Annulus PT	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	6/14/2001	Brdhd Test	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	7/11/2002	Brdhd Test	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	6/18/2003	Brdhd Test	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	7/22/2003	MIT	?
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	2/32004	Std. Annulus PT	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	2/3/2004	Repair	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	10/17/2005	Brdhd Test	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	10/23/2006	Brdhd Test	Acceptable
	Lost Tank 33 Federal No. 2	Pogo Producing	M 33 21S 31E	Eddy	Delaware	10/19/2007	Brdhd Test	Acceptable
26	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	12/5/1996	Brdhd Test	
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	12/11/1997	Brdhd Test	Failure
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	7/22/2003	Repaired	Acceptable
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	8/29/2003	OTHER	Acceptable
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	8/26/2004	Brdhd Test	Acceptable
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	8/15/2005	Brdhd Test	Failure
	Lost Tank SWD No. 1	Phillips Petroleum	2 31 21S 32E	Lea	Delaware	8/23/2005	Repaired	Skeptical
27	Medano State Com 1	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	8/1/2003	MIT	Acceptable
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	9/9/2003	Brdhd Test	Acceptable
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	4/22/2004	Brdhd Test	Acceptable
	Medano State Com 1	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	10/18/2005	Std Annulus Test	Failure
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	10/18/2005	Pressure Test	Failure
	Medano State Com 1	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	11/8/2005	Std Annulus Test	???
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	11/8/2005	Pressure Test	Acceptable
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	11/1/2006	Brdhd Test	Acceptable
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	11/7/2007	Brdhd Test	Acceptable
	Medano State 001	Forest Oil Corp	K 36 22S 31E	Eddy	Delaware	5/14/2008	Brdhd Test	Acceptable
28	Neff Federal 003	Oxy USA Inc.	D 25 22S 31E	Eddy	Delaware	6/18/2003	Brdhd Test	Acceptable
	Neff Federal 003	Oxy USA Inc.	D 25 22S 31E	Eddy	Delaware	4/20/2004	Brdhd Test	Acceptable
	Neff Federal 003	Oxy USA Inc.	D 25 22S 31E	Eddy	Delaware	10/17/2005	Pressure Test	Acceptable
	Neff Federal 003	Oxy USA Inc.	D 25 22S 31E	Eddy	Delaware	10/23/2006	Brdhd Test	Acceptable
	Neff Federal 003	Oxy USA Inc.	D 25 22S 31E	Eddy	Delaware	10/12/2007	Brdhd Test	Acceptable
29	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	3/24/2005	INITAL	Acceptable
	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	3/27/2005	MIT	Failure
	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	3/28/2005	MIT	Acceptable
	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	8/23/2005	??	?
	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
	North Pure Gold Fed 8 No. 11 NHL	Devon Energy Production Company	J 8 23S 31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
30	North Pure Gold Fed 9 No. 17 NHL	Devon Energy Production Company	M 17 23S 31E	Eddy	Delaware	4/2/2005	INITAL	Acceptable
	North Pure Gold Fed 9 No. 17 NHL	Devon Energy Production Company	M 17 23S 31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable

Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result
31 Prohibition Federal Unit No. 2 Prohibition Federal Unit No. 2 Prohibition Federal Unit No. 2	Maralo LLC	K 11 22S 32E	Lea	Delaware			
	COG Operating LLC	K 11 22S 32E	Lea	Delaware	2/17/2005	Brdhd Test	Acceptable
	COG Operating LLC	K 11 22S 32E	Lea	Delaware	7/19/2007	MIT	Acceptable
32 Poker Lake Unit No. 71 Poker Lake Unit No. 71	BEPCO, LP	C 33 23S 30E	Eddy	Delaware	9/9/2005	INITAL	Acceptable
	BEPCO, LP	C 33 23S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
33 Poker Lake Unit No. 170 Poker Lake Unit No. 170 Poker Lake Unit No. 170 Poker Lake Unit No. 170 Poker Lake Unit No. 170 Poker Lake Unit No. 170	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	7/2/2003	Brdhd Test	Acceptable
	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	10/21/2005	Brdhd Test	Acceptable
	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	10/5/2006	Brdhd Test	Acceptable
	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	10/18/2007	Pressure Test	Failure
	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	1/23/2008	Repaired	Acceptable
	BEPCO. LP	K 33 23S 30E	Eddy	Delaware	1/28/2008	MIT	?
34 Proximity 31 Fed No. 4 Proximity 31 Fed No. 4 Proximity 31 Fed No. 4 Proximity 31 Fed No. 4 Proximity 31 Fed No. 4	Pogo Producing	B 31 22S 32E	Lea	Delaware	3/26/2002	Brdhd Test	Failure
	Pogo Producing	B 31 22S 32E	Lea	Delaware	4/4/2003	OPREPT	Acceptable
	Pogo Producing	B 31 22S 32E	Lea	Delaware	8/30/2004	Brdhd Test	Acceptable
	Pogo Producing	B 31 22S 32E	Lea	Delaware	10/21/2005	Brdhd Test	Acceptable
	Pogo Producing	B 31 22S 32E	Lea	Delaware	3/19/2007	Brdhd Test	Acceptable
35 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20 Pure Gold B Federal No. 20	Pogo Producing	P 20 23S 31E	Eddy	Delaware	5/31/2001	Std. Annulus PT	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	7/11/2002	Brdhd Test	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	6/18/2003	Brdhd Test	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	4/20/2004	Brdhd Test	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	10/24/2005	Brdhd Test	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	10/11/2006	Pressure Test	Acceptable
	Pogo Producing	P 20 23S 31E	Eddy	Delaware	10/12/2007	Brdhd Test	Acceptable
36 Red Tank Federal No. 2 Red Tank Federal No. 2 Red Tank Federal No. 2 Red Tank Federal No. 2	EOG Resources Inc.	N 14 22s 32e	Lea	Delaware	12/31/2003	Brdhd Test	Acceptable
	EOG Resources Inc.	N 14 22s 32e	Lea	Delaware	12/29/2004	MIT	Acceptable
	EOG Resources Inc.	N 14 22s 32e	Lea	Delaware	9/16/2005	Brdhd Test	Acceptable
	EOG Resources Inc.	N 14 22s 32e	Lea	Delaware	7/21/2007	Brdhd Test	Acceptable
37 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2 Remuda Basin 19 Fed 2	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	9/2/2003	Bradhd Test	Failure
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	10/16/2003	Brdhd Test	Acceptable
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	4/21/2004	MIT	Failure
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	6/17/2004	Brdhd Test	Acceptable
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	10/24/2005	Pressure Test	Acceptable
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	10/11/2006	Brdhd Test	Acceptable
	Chevron USA Inc.	B 19 23E 30E	Eddy	Delaware	10/24/2007	Brdhd Test	Acceptable
	XTO	B 19 23E 30E	Eddy	Delaware	2/20/2008	??	??
38 Remuda Basin 20 Fed No. 1 Remuda Basin SWD No. 1 Remuda Basin SWD No. 1 Remuda Basin SWD No. 1	Strata Petroleum	D 20 23S 30E	Eddy	Delaware	10/2/2005	MIT	??
	Devon Energy Production	D 20 23S 30E	Eddy	Delaware	2/2/2006	INITAL	Acceptable
	Devon Energy Production	D 20 23S 30E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
	Devon Energy Production	D 20 23S 30E	Eddy	Delaware	5/15/2008	Brdhd Test	Acceptable
39 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1 Sand Dunes 28 Fed No. 1	OXY USA INC	J 28 23S 31E	Eddy	Delaware			
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	6/18/2003	Brdhd Test	Acceptable
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	4/20/2004	Brdhd Test	Acceptable
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	9/1/2004	Repaired	Acceptable
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	10/24/2005	Brdhd Test	Acceptable
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	10/11/2006	Brdhd Test	Acceptable
	OXY USA INC	J 28 23S 31E	Eddy	Delaware	10/12/2007	Brdhd Test	Acceptable
40 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9 SDE 31 Federal No. 9	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/1996		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/1997		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/1998		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/1999		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/2000		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/2001		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	4/16/2002	MIT	Acceptable
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/2003		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	1/1/2004		
	XTO Energy, Inc	J 31 23S 32E	Lea	Delaware	9/16/2005	Brdhd Test	Acceptable

Well Name and No.	Operator	Well Location	County	Zone	Test Date	Test Type	Result	
41	Silverton '31' Fed ! Silverton '31' Fed !	Echo Production, Inc.	M 31 22S 32E	Lea	Delaware	2/19/2004	Std Annulus Test	Acceptable
		Echo Production, Inc.	M 31 22S 32E	Lea	Delaware	3/31/2005	Brdhd Test	Acceptable
42	State 2 No. 5 State 2 No. 5 State 2 No. 5 State 2 No. 5 State 2 No. 5	Pogo Producing	P 02 22S 31E	Eddy	Delaware	8/25/2003	INITAL	Acceptable
		Pogo Producing	P 02 22S 31E	Eddy	Delaware	4/20/2004	Brdhd Test	Acceptable
		Pogo Producing	P 02 22S 31E	Eddy	Delaware	10/17/2005	Brdhd Test	Acceptable
		Pogo Producing	P 02 22S 31E	Eddy	Delaware	10/23/2006	Brdhd Test	Acceptable
		Pogo Producing	P 02 22S 31E	Eddy	Delaware	10/12/2007	Brdhd Test	Acceptable
43	State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1 State AA-2 No. 1	Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	9/9/2003	Brdhd Test	Failure
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	10/9/2003	Repaired	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	11/12/2003	Brdhd Test	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	4/22/2004	Brdhd Test	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	10/18/2005	Brdhd Test	Failure
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	11/8/2005	Brdhd Test	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	11/1/2006	Brdhd Test	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	11/7/2007	Brdhd Test	Acceptable
		Forest Oil Corp	A 02 23S 31E	Eddy	Delaware	5/14/2008	Pressure Test	Acceptable
		44	Todd Fed 13B No. 2 Todd Fed 13B No. 2 Todd Fed 13B No. 2 Todd Fed 13B No. 2	Devon Energy Production Company	B 13 23S 31E	Eddy	Delaware	10/19/2005
Devon Energy Production Company	B 13 23S 31E			Eddy	Delaware	10/17/2005	INITAL	A
Devon Energy Production Company	B 13 23S 31E			Eddy	Delaware	9/18/2006	Pressure Test	Acceptable
Devon Energy Production Company	B 13 23S 31E			Eddy	Delaware	9/25/2007	Pressure Test	Acceptable
45	Todd 25 N Fed No. 14	Devon Energy Production Company	N 25 23S 31E	Eddy	Delaware	3/18/2008	INITAL	Acceptable
46	Todd Fed 25P No. 16 Todd Fed 25P No. 16	Devon Energy Production Company	P 25 23S 31E	Eddy	Delaware	12/12/2005	INITAL	Acceptable
		Devon Energy Production Company	P 25 23S 31E	Eddy	Delaware	11/22/2006	MIT	Acceptable
47	Todd Fed 26F No. 3 Todd Fed 26F No. 3 Todd Fed 26F No. 3 Todd Fed 26F No. 3 Todd Fed 26F No. 3	Devon Energy Production Company	F 26 23S 31E	Eddy	Delaware	7/24/2003	Brdhd Test	Acceptable
		Devon Energy Production Company	F 26 23S 31E	Eddy	Delaware	4/27/2004	Brdhd Test	Acceptable
		Devon Energy Production Company	F 26 23S 31E	Eddy	Delaware	10/17/2005	Pressure Test	Acceptable
		Devon Energy Production Company	F 26 23S 31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
		Devon Energy Production Company	F 26 23S 31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
48	Todd Fed 26G No. 2 Todd Fed 26G No. 2 Todd Fed 26G No. 2 Todd Fed 26G No. 2 Todd Fed 26G No. 2	Devon Energy Production Company	G 26 23S 31E	Eddy	Delaware	7/24/2003	Brdhd Test	Acceptable
		Devon Energy Production Company	G 26 23S 31E	Eddy	Delaware	4/27/2004	Brdhd Test	Acceptable
		Devon Energy Production Company	G 26 23S 31E	Eddy	Delaware	10/17/2005	Pressure Test	Acceptable
		Devon Energy Production Company	G 26 23S 31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
		Devon Energy Production Company	G 26 23S 31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
49	Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16 Todd Fed 27P No. 16	Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	10/14/1997	INITIAL	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	7/24/2003	Brdhd Test	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	4/27/2004	Brdhd Test	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	5/15/2004	Brdhd Test	Failure
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	5/15/2004	Brdhd Test	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	10/17/2005	Pressure Test	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
		Devon Energy Production Company	P 27 23S31E	Eddy	Delaware	9/25/2007	Brdhd Test	Acceptable
50	Todd 36 State No. 1 Todd 36 State No. 1 Todd 36 State No. 1 Todd 36 State No. 1 Todd 36 State No. 1 Todd 36 State No. 1	Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	7/28/1994	INITIAL	Acceptable
		Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	7/24/2003	Brdhd Test	Acceptable
		Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	4/27/2004	Brdhd Test	Acceptable
		Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	10/17/2005	Std. Annulus Test	Failure
		Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	11/15/2005	Repaired	Acceptable
		Devon Energy Production Company	F 36 23S 31E	Eddy	Delaware	9/18/2006	Brdhd Test	Acceptable
51	Triste Draw State 36 No. 1 Triste Draw State 36 No. 1 Triste Draw State 36 No. 1	EOG Resources Inc.	E 36 23S 32E	Lea	Delaware	10/14/1995	INITIAL	Acceptable
		EOG Resources Inc.	E 36 23S 32E	Lea	Delaware	9/16/2005	Brdhd Test	Acceptable
		EOG Resources Inc.	E 36 23S 32E	Lea	Delaware	10/14/2006	MIT	Acceptable
52	Union AJS Federal Union AJS Federal Union AJS Federal Union AJS Federal	Yates Petroleum Corporation	J 8 21S 32E	Lea	Delaware	10/7/2003	Brdhd Test	Acceptable
		Yates Petroleum Corporation	J 8 21S 32E	Lea	Delaware	10/13/2004	Brdhd Test	Acceptable
		Yates Petroleum Corporation	J 8 21S 32E	Lea	Delaware	9/9/2005	Brdhd Test	Failure
		Yates Petroleum Corporation	J 8 21S 32E	Lea	Delaware	9/27/2005	Repaired	Acceptable

**APPENDIX II
MAPS**



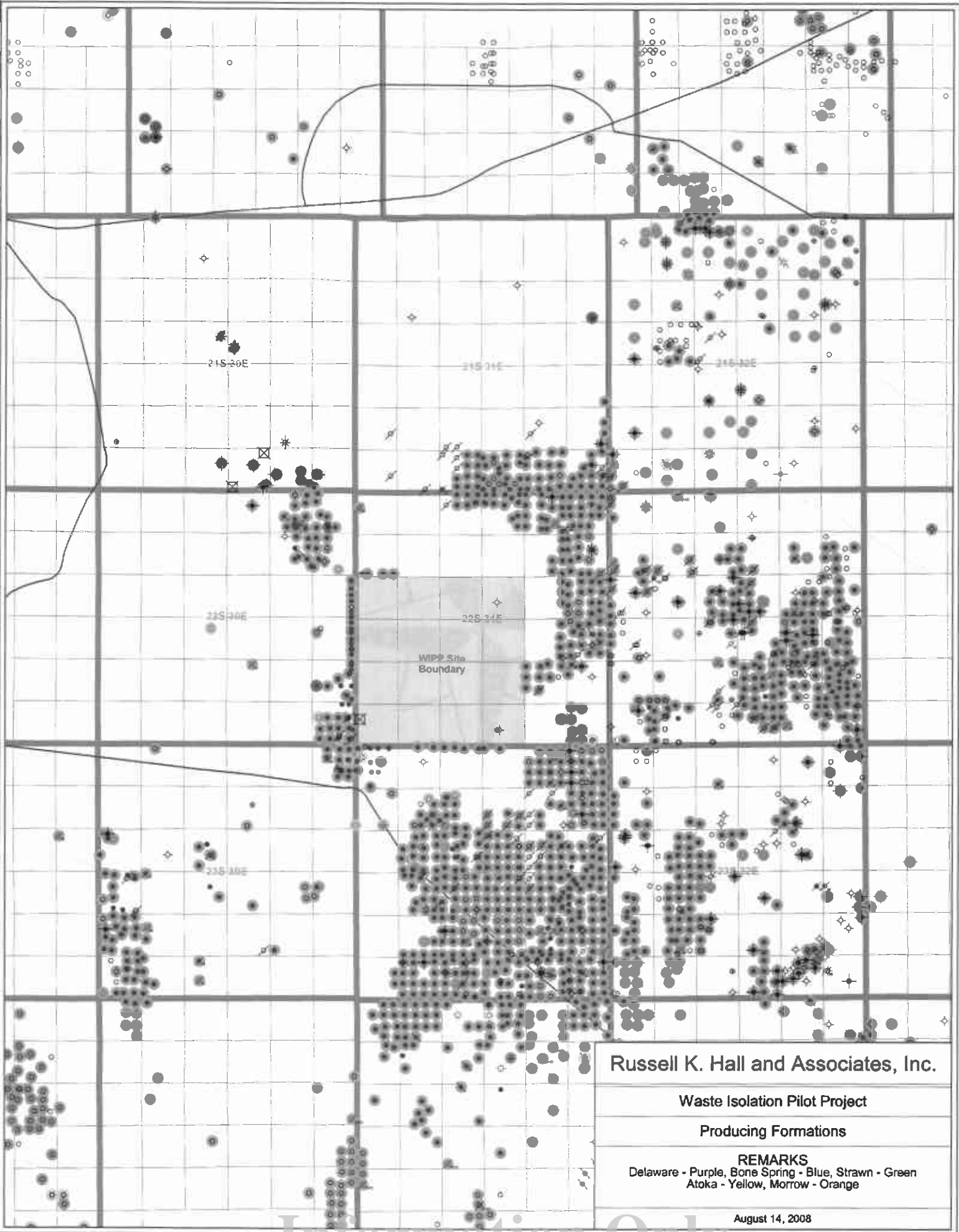
Russell K. Hall and Associates, Inc.

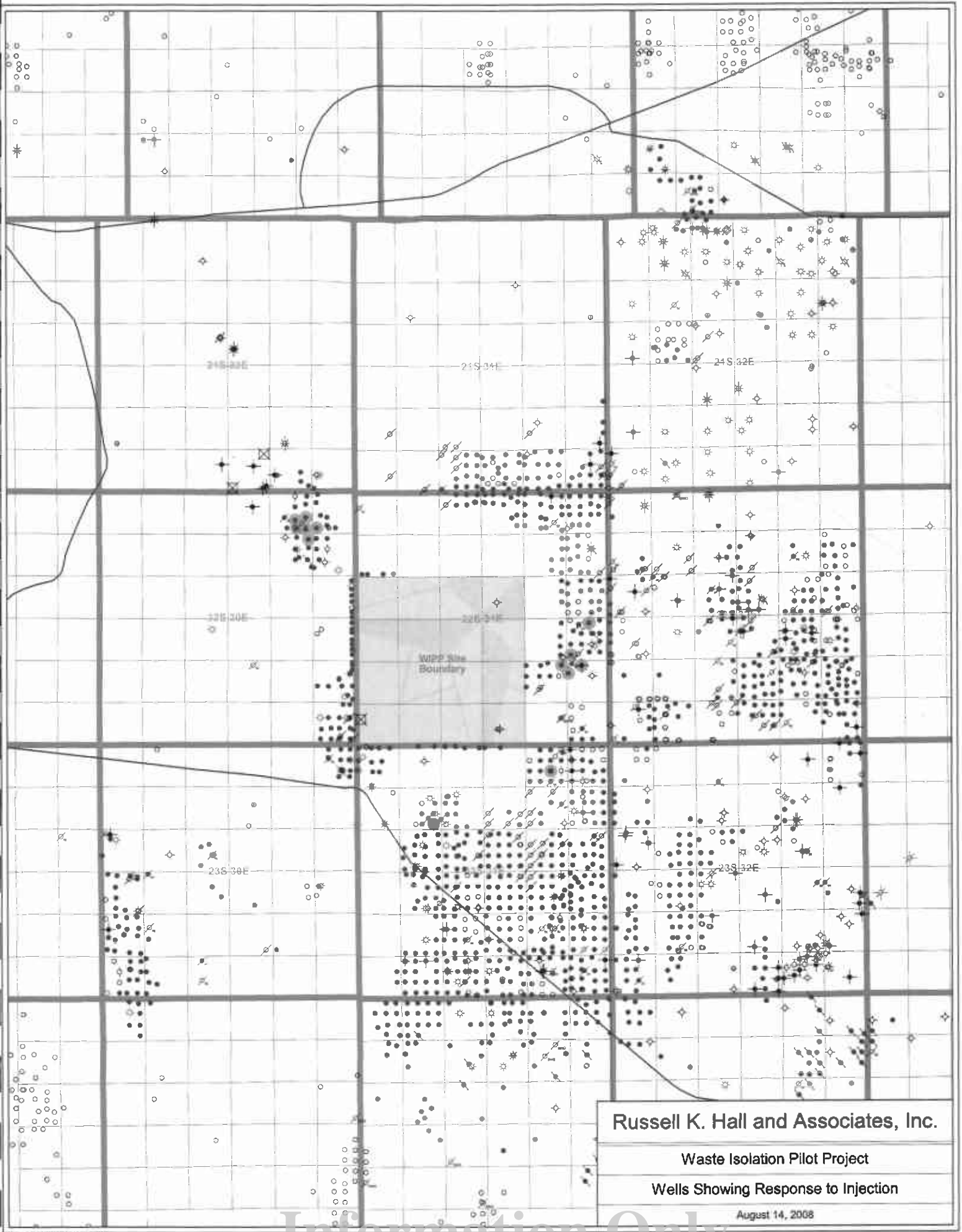
Waste Isolation Pilot Project

Water Injection Data

REMARKS
Cumulative Injection
Avg 2007 Injection

August 14, 2008





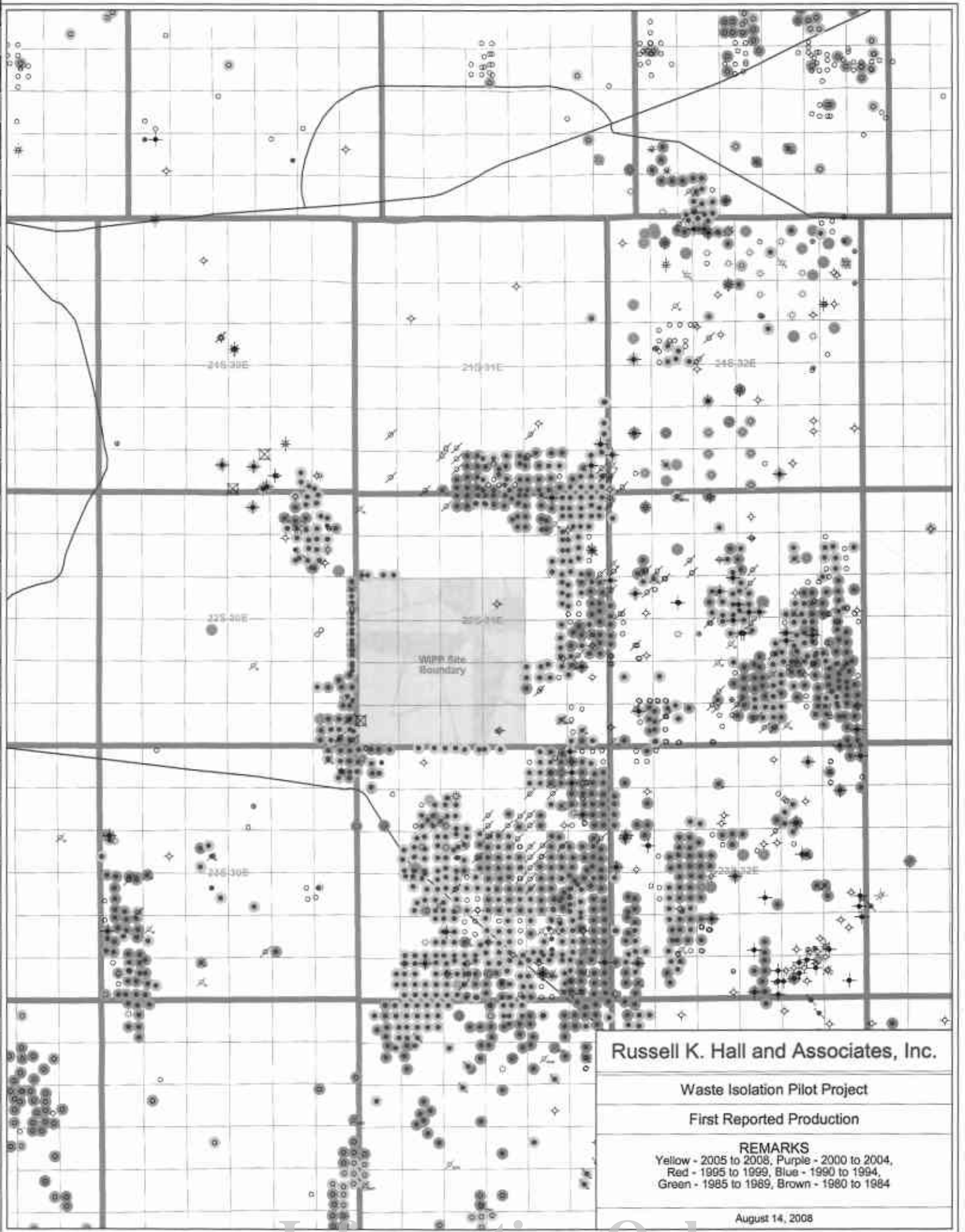
Russell K. Hall and Associates, Inc.

Waste Isolation Pilot Project

Wells Showing Response to Injection

August 14, 2008

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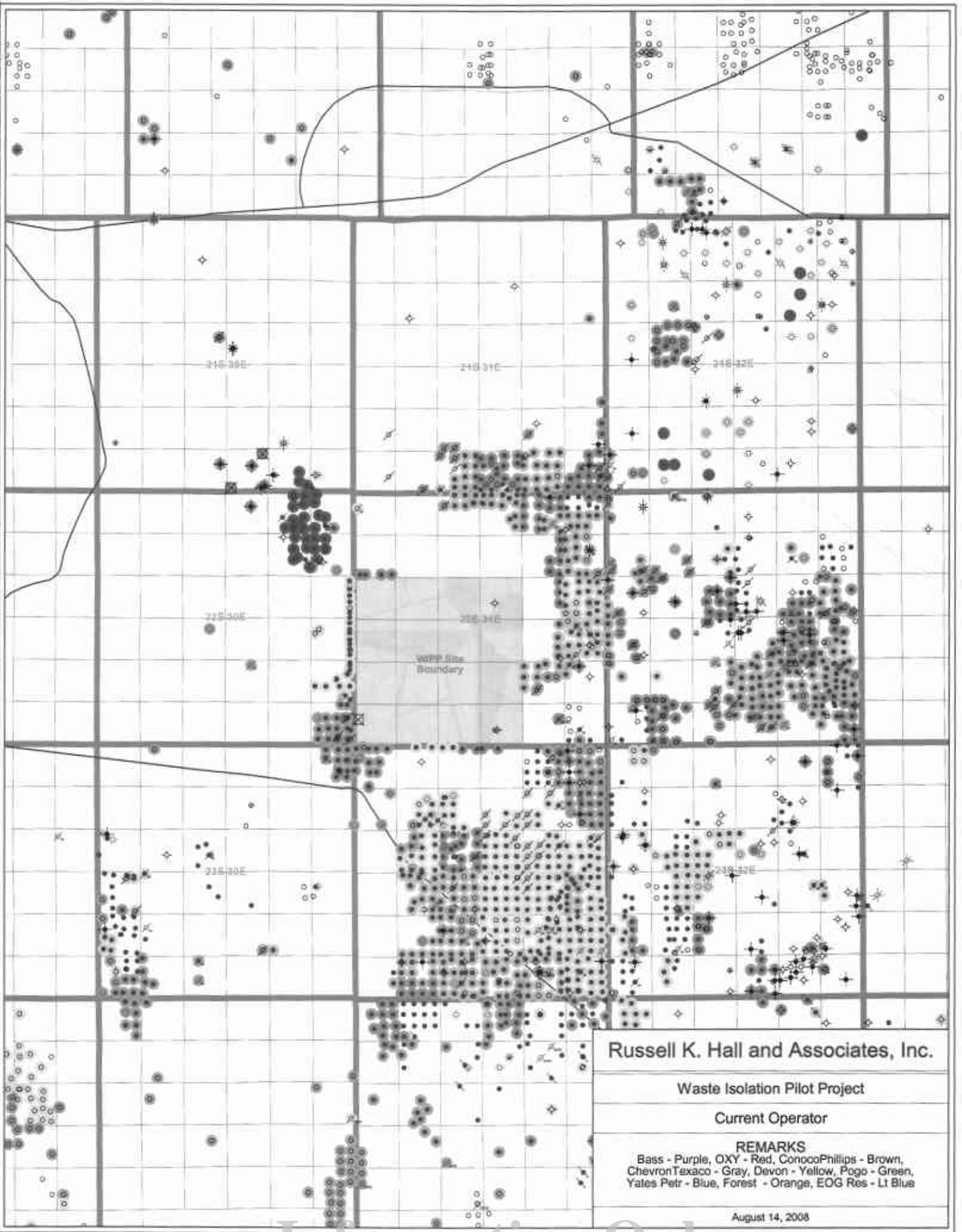
Waste Isolation Pilot Project

First Reported Production

REMARKS

Yellow - 2005 to 2008, Purple - 2000 to 2004,
 Red - 1995 to 1999, Blue - 1990 to 1994,
 Green - 1985 to 1989, Brown - 1980 to 1984

August 14, 2006



Russell K. Hall and Associates, Inc.

Waste Isolation Pilot Project

Current Operator

REMARKS

Bass - Purple, OXY - Red, ConocoPhillips - Brown,
 ChevronTexaco - Gray, Devon - Yellow, Pogo - Green,
 Yates Petr - Blue, Forest - Orange, EOG Res - Lt Blue

August 14, 2008

**APPENDIX III
WELL INVENTORY**

Information Only

WELL INVENTORY - NINE TOWNSHIP STUDY AREA

API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-35669	36 STATE 001	REEF EXPLORATION, L.P.					
30-015-35670	36 STATE 002	REEF EXPLORATION, L.P.					
30-015-35671	36 STATE 003	REEF EXPLORATION, L.P.					
30-015-35672	36 STATE 004	REEF EXPLORATION, L.P.					
30-015-35673	36 STATE 005	REEF EXPLORATION, L.P.					
30-025-31947	AMANDA AMN FEDERAL 001	LIME ROCK RESOURCES A, L.P.	1,488	1,589	31,340		10/2007
30-015-27657	AMAX 24 FEDERAL 005	OXY USA INC	44,771	14,771	719,233		6/1993
30-015-28123	AMAX 24 FEDERAL 012	OXY USA INC	170,124	578,755	407,407		1/1995
30-015-29332	AMAX 24 FEDERAL 013	OXY USA INC	207,592	490,036	403,830		1/1995
30-015-30370	AMAX 24 FEDERAL 014	OXY USA INC	75,797	178,069	224,020		3/1997
30-015-32496	AMAX 24 FEDERAL 015	OXY USA INC	60,539	147,119	216,628		12/1998
30-025-36052	AMAZING BAZ FEDERAL 001	YATES PETROLEUM CORP	31,797	81,033	161,777		1/2003
30-025-36053	AMAZING BAZ FEDERAL 002	YATES PETROLEUM CORP					
30-025-38358	AMAZING BAZ FEDERAL 002	YATES PETROLEUM CORP					
30-025-38450	AMAZING BAZ FEDERAL 003	YATES PETROLEUM CORP					
30-025-38464	AMAZING BAZ FEDERAL 004	YATES PETROLEUM CORP					
30-025-38465	AMAZING BAZ FEDERAL 005	YATES PETROLEUM CORP					
30-025-38466	AMAZING BAZ FEDERAL 006	YATES PETROLEUM CORP					
30-025-38467	AMAZING BAZ FEDERAL 007	YATES PETROLEUM CORP					
30-025-29495	AMOCO '29' FEDERAL 1	HARVARD PETROLEUM CO, LLC	108,320	197,967	435,057		8/1992
30-015-29019	ANABELLE ANB STATE 1	YATES PETROLEUM CORP					
30-025-31821	ANDERSON 1	MANZANO OIL CORP	4,180		28,989		2/1993
30-015-27434	APACHE 13 FED 001	DEVON ENERGY PRODUCTION CO	38,058	5,557,900	5,150		1/1994
30-015-33075	APACHE 13 FED 002	DEVON ENERGY PRODUCTION CO	47,574	115,095	104,329		2/2004
30-015-33076	APACHE 13 FED 003	DEVON ENERGY PRODUCTION CO	56,966	112,408	158,292		12/2003
30-015-33077	APACHE 13 FED 004	DEVON ENERGY PRODUCTION CO	82,866	152,228	76,629		3/2004
30-015-33078	APACHE 13 FED 005	DEVON ENERGY PRODUCTION CO	69,874	151,297	112,372		1/2004
30-015-33730	APACHE 13 FEDERAL 006	DEVON ENERGY PRODUCTION CO	32,047	58,541	102,520		8/2005
30-015-34220	APACHE 13 FEDERAL 007	DEVON ENERGY PRODUCTION CO					
30-015-34221	APACHE 13 FEDERAL 008	DEVON ENERGY PRODUCTION CO	27,502	49,030	68,305		10/2005
30-015-33079	APACHE 24 FEDERAL 002	DEVON ENERGY PRODUCTION CO	80,186	136,819	120,051		2/2004
30-015-33080	APACHE 24 FEDERAL 003	DEVON ENERGY PRODUCTION CO	90,673	181,236	85,692		11/2003
30-015-33081	APACHE 24 FEDERAL 004	DEVON ENERGY PRODUCTION CO	61,924	125,887	88,705		3/2004
30-015-33082	APACHE 24 FEDERAL 005	DEVON ENERGY PRODUCTION CO	49,079	120,518	114,681		12/2003
30-015-34020	APACHE 24 FEDERAL 008	DEVON ENERGY PRODUCTION CO	73,379	146,116	181,776		8/2005
30-015-33616	APACHE 24 FEDERAL 009	DEVON ENERGY PRODUCTION CO	101,838	182,103	205,081		11/2004
30-015-34218	APACHE 24 FEDERAL 010	DEVON ENERGY PRODUCTION CO	86,175	214,552	179,460		2/2006
30-015-34219	APACHE 24 FEDERAL 011	DEVON ENERGY PRODUCTION CO	49,215	81,022	168,190		11/2005
30-015-27587	APACHE 24 FEDERAL CO 001	DEVON ENERGY PRODUCTION CO	19,128	2,738,529	18,571		8/1994
30-015-33248	APACHE 24 FEE 006	DEVON ENERGY PRODUCTION CO					
30-015-34321	APACHE 24 FEE 007A	DEVON ENERGY PRODUCTION CO					
30-015-27410	APACHE 25 FEDERAL 001	DEVON ENERGY PRODUCTION CO	3,298	2,981,118	1,822		6/1994
30-015-27478	APACHE 25 FEDERAL 002	DEVON ENERGY PRODUCTION CO	71,157	577,249	30,231		4/1994
30-015-32719	APACHE 25 FEDERAL 003	DEVON ENERGY PRODUCTION CO	52,716	141,498	93,426		8/2003
30-015-33152	APACHE 25 FEDERAL 004	DEVON ENERGY PRODUCTION CO	39,050	85,455	101,051		4/2004
30-015-32720	APACHE 25 FEDERAL 005	DEVON ENERGY PRODUCTION CO	60,767	159,734	124,886		7/2003
30-015-29894	APACHE 25 FEDERAL 006	DEVON ENERGY PRODUCTION CO	134,480	290,188	232,204		1/1998
30-015-33439	APACHE 25 FEDERAL 008	DEVON ENERGY PRODUCTION CO	18,046	33,678	278,446		8/2004
30-015-32797	APACHE 25 FEDERAL 009	DEVON ENERGY PRODUCTION CO	66,127	118,366	35,594		8/2003
30-015-35597	APACHE 25 FEDERAL 010H	DEVON ENERGY PRODUCTION CO	23,506	24,236	40,779		10/2007
30-015-33112	APACHE 25 FEDERAL 012	DEVON ENERGY PRODUCTION CO	60,913	106,755	96,410		1/2004
30-015-33440	APACHE 25 FEDERAL 013	DEVON ENERGY PRODUCTION CO	36,924	76,354	102,043		7/2004
30-015-33791	APACHE 25 FEDERAL 014	DEVON ENERGY PRODUCTION CO	104,623	191,713	391,465		3/2005
30-015-34328	APACHE 25 FEDERAL 016	DEVON ENERGY PRODUCTION CO	9,324	775,258	6,852		4/2007
30-025-33354	APRIL APZ STATE 001	LIME ROCK RESOURCES A, L.P.	24,904	27,855	476,459		8/1996
30-025-31650	ARACANGA FEDERAL 1	POGO PRODUCING CO	593	360	10,630	3,390,271	11/2000
30-025-31651	ARACANGA FEDERAL 2	STRATA PRODUCTION CO					
30-515-04740	ARCO STATE 001	EL PASO NATURAL GAS					
30-515-04741	ARCO STATE 001	EL PASO NATURAL GAS		164,745			
30-025-34817	AVION FEDERAL 003	ECHO PRODUCTION INC					
30-025-33862	AVION FEDERAL 2	ECHO PRODUCTION INC	49,330		358,544		4/1999
30-025-33318	AXE '25' FEDERAL 1	POGO PRODUCING CO					

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Reservoir Evaluation Engineers
8/14/2008

Information Only

WELL INVENTORY - NINE TOWNSHIP STUDY AREA

API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-33999	AZTEC 14 FEDERAL COM 001	NEARBURG PRODUCING CO	4,847	1,094,594	4,250		10/1997
30-015-20872	BADGER UNIT-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-33487	BAETZ BDU FEDERAL 003	YATES PETROLEUM CORP					
30-015-25419	BARCLAY '11' FEDERA 1	DEVON ENERGY PRODUCTION CO	1,208	1,523	42,213	786,878	9/2003
30-015-27615	BARCLAY 11 B FEDERAL 002	DEVON ENERGY PRODUCTION CO					
30-015-30089	BARCLAY 11 D FEDERAL 004	DEVON ENERGY PRODUCTION CO					
30-015-27622	BARCLAY 11 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	51,412	86,057	295,957		10/1993
30-015-32304	BARCLAY 11 K FEDERAL 011	DEVON ENERGY PRODUCTION CO	49,101	76,060	215,124		1/2002
30-015-32331	BARCLAY 11 L FEDERAL 012	DEVON ENERGY PRODUCTION CO					
30-015-32332	BARCLAY 11 M FEDERAL 013	DEVON ENERGY PRODUCTION CO					
30-015-32333	BARCLAY 11 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	7,119	20,705	112,021		12/2003
30-015-29683	BARCLAY FEDERAL 002	FOREST OIL CORPORATION	54,842	95,117	1,030,604		9/1997
30-015-29694	BARCLAY FEDERAL 003	FOREST OIL CORPORATION	96,981	159,312	500,293		1/1998
30-015-29684	BARCLAY FEDERAL 004	FOREST OIL CORPORATION	129,797	158,102	725,176		5/1998
30-015-29685	BARCLAY FEDERAL 005	FOREST OIL CORPORATION	57,711	104,614	699,511		11/1997
30-015-29785	BARCLAY FEDERAL 007	FOREST OIL CORPORATION	39,294	63,041	371,892		6/1998
30-015-29786	BARCLAY FEDERAL 008	FOREST OIL CORPORATION	76,632	77,933	588,647		8/1998
30-015-29787	BARCLAY FEDERAL 009	FOREST OIL CORPORATION	76,467	176,728	524,325		2/1998
30-015-30239	BARCLAY FEDERAL 010	FOREST OIL CORPORATION	42,031	103,530	545,549		9/1998
30-015-30063	BARCLAY FEDERAL 011	FOREST OIL CORPORATION	155,868	226,077	421,825		11/1999
30-015-29828	BARCLAY FEDERAL 012	FOREST OIL CORPORATION	53,615	93,421	545,865		8/1998
30-015-30090	BARCLAY FEDERAL 013	FOREST OIL CORPORATION	74,537	105,718	697,686		9/1998
30-015-30065	BARCLAY FEDERAL 014	FOREST OIL CORPORATION	37,479	98,826	727,127		5/1998
30-015-30066	BARCLAY FEDERAL 015	FOREST OIL CORPORATION	24,934	41,219	378,703		9/1998
30-015-33653	BARCLAY FEDERAL 016	FOREST OIL CORPORATION	222		7,560		1/2005
30-015-30238	BARCLAY FEDERAL 017	FOREST OIL CORPORATION	39,235	100,896	971,523		9/1998
30-015-30820	BARCLAY FEDERAL 018	FOREST OIL CORPORATION	60,342	148,788	383,570		1/2000
30-015-30284	BARCLAY FEDERAL 019	FOREST OIL CORPORATION	87,637	209,714	763,738		10/1998
30-015-30821	BARCLAY FEDERAL 020	FOREST OIL CORPORATION	97,842	190,228	632,934		1/2000
30-015-30766	BARCLAY FEDERAL 021	FOREST OIL CORPORATION	48,616	117,093	415,889		4/2000
30-015-33654	BARCLAY FEDERAL 022	FOREST OIL CORPORATION	11,582	34,669	209,112		12/2004
30-015-30597	BARCLAY FEDERAL 025	FOREST OIL CORPORATION	41,539	74,133	640,053		10/1999
30-015-30883	BARCLAY FEDERAL 027	FOREST OIL CORPORATION	27,808	106,295	503,917		3/2000
30-015-34226	BARCLAY FEDERAL 028C	FOREST OIL PERMIAN CORP					
30-015-33655	BARCLAY FEDERAL 029	FOREST OIL CORPORATION	21,302	54,261	160,004		3/2005
30-015-33703	BARCLAY FEDERAL 032	FOREST OIL CORPORATION					
30-015-33656	BARCLAY FEDERAL 033	FOREST OIL CORPORATION	5,796	10,914	129,407		4/2005
30-015-34227	BARCLAY FEDERAL 035E	FOREST OIL PERMIAN CORP					
30-015-34228	BARCLAY FEDERAL 038C	FOREST OIL PERMIAN CORP					
30-015-34229	BARCLAY FEDERAL 039E	FOREST OIL PERMIAN CORP					
30-015-24954	BARCLAY FEDERAL 1	FOREST OIL CORPORATION	17,150	3,768,542	398,247		6/1986
30-015-31078	BARCLAY STATE #006A 006A	BP AMERICA PRODUCTION COMPANY					
30-015-30989	BARCLAY STATE #010 010	BP AMERICA PRODUCTION COMPANY					
30-015-25534	BARCLAY STATE 001	FOREST OIL CORPORATION	77,821	353,843	628,773		7/1986
30-015-29590	BARCLAY STATE 002	FOREST OIL CORPORATION	42,634	104,709	3,487,532		9/1997
30-015-29527	BARCLAY STATE 003	FOREST OIL CORPORATION	149,105	216,885	1,219,248		10/1997
30-015-33665	BARCLAY STATE 005	FOREST OIL CORPORATION					
30-015-30809	BARCLAY STATE 007	FOREST OIL CORPORATION	48,227	95,144	2,607,383		10/2000
30-015-29926	BARCLAY STATE 008	FOREST OIL CORPORATION	159,621	166,579	2,659,333		7/1998
30-015-30810	BARCLAY STATE 009	FOREST OIL CORPORATION	13,575	64,410	837,151		10/2000
30-015-29792	BARCLAY STATE WD-4	ARCO PERMIAN	5,108	5,949	102,868	8,052,545	1/1997
30-025-32221	BARR NONE FEDERAL 001	ARKLAND PRODUCING CO INC	35,563	2,299	86,568		1/1994
30-025-32121	BARR NONE FEDERAL 3	WTI 1993 LTD					
30-025-20734	BASS-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-10036	BAUERDORF-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-21529	BIG EDDY UNIT 044	BEPCO, LP	24,314	1,994,365	2,236		8/1976
30-015-22708	BIG EDDY UNIT 067	NADEL AND GUSSMAN PERMIAN, LLC		1,458			
30-515-04269	BIG EDDY UNIT 067	W C BLANKS		1,458			
30-015-21685	BIG EDDY UNIT 45	PRE-ONGARD WELL OPERATOR					
30-015-21723	BIG EDDY UNIT 45X	PRE-ONGARD WELL OPERATOR					
30-015-25009	BIG EDDY UNIT 91	BEPCO, LP					
30-025-27779	BILBERY 29 FEDERAL C 001	CONOCOPHILLIPS CO	1,810	2,667,014	3,590		8/1988

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-30873	BILBREY '22' FEDERA 1	SANTA FE ENERGY OPERATING PARTNE					
30-025-31890	BILBREY 16 STATE 001	BURLINGTON RESOURCES OIL & GAS C					
30-025-31935	BILBREY 16 STATE 002	BURLINGTON RESOURCES OIL & GAS C					
30-025-30757	BILBREY 21 FEDERAL 001	V-F PETROLEUM INC	643	16,912	10,757		11/1997
30-025-31095	BILBREY 27 A FEDERAL 001	DEVON ENERGY PRODUCTION CO	49,757	1,250,113	114,008		5/1991
30-025-30980	BILBREY 27 FEDERAL 001	DEVON ENERGY PRODUCTION CO	30,281	5,224,709	4,627		2/1991
30-025-30664	BILBREY 28 A FEDERAL 001	DEVON ENERGY PRODUCTION CO	75,730	7,063,180	18,656		2/1990
30-025-30495	BILBREY 28 FEDERAL 001	DEVON ENERGY PRODUCTION CO	65,568	8,599,108	7,563		9/1989
30-025-33647	BILBREY 30 FEDERAL 005	CHI OPERATING INC	28,033	3,858	119,960		1/1997
30-025-30886	BILBREY 32 STATE COM 001	CONOCOPHILLIPS CO	84,261	8,458,584	7,573		1/1991
30-025-35946	BILBREY 32 STATE COM 002	CIMAREX ENERGY CO. OF COLORAD	153	270,639	283,609		8/2003
30-025-30781	BILBREY 33 FEDERAL 001	TEXACO EXPLORATION & PRODUCTI	60,256	8,710,143	24,857		1/1991
30-025-32383	BILBREY 33 FEDERAL 002	CONOCOPHILLIPS CO	6,255	1,078,839	27,707		6/1994
30-025-31120	BILBREY 34 FEDERAL 001	COG OPERATING LLC	16,311	2,695,008	60,481		4/1991
30-025-31470	BILBREY 34 FEDERAL C 001	JKM ENERGY, LLC	60	418,326	1,910		12/1995
30-525-07562	BILBREY 5 FEDERAL 001	TEXACO EXPLORATION &	714	2,359	18,417		1/1993
30-025-27620	BILBREY 5 FEDERAL 001	YATES PETROLEUM CORP	916	1,751	22,715	2,669,403	1/1993
30-525-07561	BILBREY FED COM 001	TEXACO PRODUCING INC	1,484	231,465	292		4/1982
30-025-27472	BILBREY FEDERAL COM 001	MARBOC ENERGY CORP	5,829	977,438	6,584		1/1986
30-025-33320	BILBREY NORTH 22 FED 001	PENWELL ENERGY INC	413	178,268	8,292		2/1997
30-025-33398	BITSY FEDERAL 001	TEXAS REEXPLORATION OPER	16,982	112,514	17,765		5/1996
30-025-33222	BLUE QUAIL FEDERAL 001	TEXAS REEXPLORATION OPER	30,025	186,756	19,150		1/1996
30-025-35047	BLUE QUAIL FEDERAL 002	TEXAS REEXPLORATION OPER	26,009	58,093	538,378		8/2000
30-025-02610	BOESCHE 1	PRE-ONGARD WELL OPERATOR					
30-015-27001	BONNEVILLE AKK STATE 002	YATES PETROLEUM CORP	19,227	35,668	141,783		6/1992
30-025-36265	BOOTLEG 11 FEDERAL C 001	OXY USA INC	3,348	1,093,625	1,222		1/2004
30-025-37083	BOOTLEG 11 FEDERAL C 002	OXY USA INC	218	32,137	311		11/2005
30-025-35512	BOOTLEG 24 FEDERAL C 001	OXY USA INC	660	2,779,429	6,002		7/2001
30-025-35530	BOOTLEG RIDGE 14 FED 001	POGO PRODUCING CO					
30-025-35511	BOOTLEG RIDGE 23 FED 001	POGO PRODUCING CO					
30-025-35505	BOOTLEG RIDGE 23 FED 002	POGO PRODUCING CO					
30-025-20810	BOOTLEG RIDGE UNIT 1	STRATA PRODUCTION CO	201,919	213,765	338,037		7/1992
30-025-30590	BOOTLEG-PHILLIPS FE 1	TRAINER C W					
30-025-21081	BRINNINSTOOL P UNIT 1	PRE-ONGARD WELL OPERATOR					
30-025-31394	BW '31' FEDERAL 1	COLLINS & WARE INC	35				5/1994
30-025-31432	BW 31 FEDERAL 002	COLLINS & WARE INC					
30-025-27151	CA LOOMIS FEDERAL 001	BEPCO, LP	16,797	1,176,191	9,201		2/1984
30-525-06175	CA LOOMIS FEDERAL 001	PERRY R. BASS	520	182,353	270		8/1981
30-515-04410	CABANA 001	TROPORO OIL & GAS CO	4,668	1,890,262			9/1974
30-015-21216	CABIN BABY FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-36830	CABIN LAKE 31 FEDERA 001	POGO PRODUCING CO					
30-515-04270	CABIN LAKE 34 FEDERA 001	HARVEY E. YATES CO.	5,914	16,404	63,361		3/1991
30-015-26631	CABIN LAKE 34 FEDERA 001	HARVEY E. YATES CO.	5,914	16,404	63,361		3/1991
30-015-27315	CAL-MON #013 013E	POGO PRODUCING CO					
30-015-25176	CAL-MON 002	POGO PRODUCING CO	53,448	214,079	74,096		1/1992
30-515-04752	CAL-MON 002	POGO PRODUCING CO	2,669	1,033,345	2,602		1/1987
30-015-25405	CAL-MON 003	THUNDERBOLT PETROLEUM, LLC	50,804	1,084,360	90,038		11/1985
30-015-26885	CAL-MON 006	OXY USA INC	87,513	322,877	56,461		3/1992
30-015-27081	CAL-MON 007	OXY USA INC	58,717	205,108	382,597		9/1992
30-015-27113	CAL-MON 008	OXY USA INC	39,811	206,867	87,538		1/1993
30-015-27206	CAL-MON 009	OXY USA INC	65,006	262,694	124,694		1/1993
30-015-27269	CAL-MON 010	OXY USA INC	72,792	210,303	489,383		4/1993
30-015-27223	CAL-MON 011	OXY USA INC	73,621	229,614	219,263		8/1993
30-015-31645	CAL-MON 012Q	OXY USA INC	13,150	72,372	57,281		5/2001
30-015-34970	CAL-MON 013	OXY USA INC					
30-015-34972	CAL-MON 014	OXY USA INC					
30-015-34971	CAL-MON 015	OXY USA INC					
30-015-28024	CAL-MON 017	OXY USA INC	49,564	116,564	87,840		2/1997
30-015-28026	CAL-MON 018	OXY USA INC	105,170	185,830	435,560		11/1994
30-015-27496	CAL-MON 019	OXY USA INC	66,400	167,588	297,720		10/1993
30-015-27549	CAL-MON 020	OXY USA INC	43,496	189,150	87,502		8/1993
30-015-24608	CAL-MON 1	PRE-ONGARD WELL OPERATOR					

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-25640	CAL-MON 5	OXY USA INC				4,819,774	
30-015-21098	CAMPANA 1	DEVON ENERGY PRODUCTION CO				1,760,440	
30-025-36954	CAPER BFE FEDERAL 001	YATES PETROLEUM CORP	25,981	76,651	240,987		4/2005
30-025-37439	CAPER BFE FEDERAL 002	YATES PETROLEUM CORP	67,260	59,489	233,378		1/2006
30-025-37450	CAPER BFE FEDERAL 003	YATES PETROLEUM CORP	20,243	25,837	190,557		8/2006
30-025-37449	CAPER BFE FEDERAL 004	YATES PETROLEUM CORP	38,488	49,392	162,972		11/2006
30-025-37448	CAPER BFE FEDERAL 005	YATES PETROLEUM CORP	20,446	22,096	139,259		10/2006
30-015-05837	CARPER-BOSWORTH 1	PRE-ONGARD WELL OPERATOR					
30-025-29603	CENTRAL SOUTHWEST O 1	PRE-ONGARD WELL OPERATOR					
30-025-31415	CERCION FEDERAL 001	STRATA PRODUCTION CO	103,491	88,774	421,863		1/1992
30-025-31602	CERCION FEDERAL 002	STRATA PRODUCTION CO	144,508	133,122	347,541		7/1992
30-025-31665	CERCION FEDERAL 003	STRATA PRODUCTION CO	33,105	39,730	553,505		10/1992
30-025-31726	CERCION FEDERAL 004	STRATA PRODUCTION CO	45,144	50,507	85,181		3/1993
30-025-31849	CERCION FEDERAL 005	STRATA PRODUCTION CO	19,687	30,353	65,101		3/1993
30-025-31881	CERCION FEDERAL 006	STRATA PRODUCTION CO					
30-025-08110	CERCION FEDERAL 7	STRATA PRODUCTION CO					
30-025-34337	CERCION FEDERAL 8	STRATA PRODUCTION CO					
30-025-27634	CHANEY FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-28808	CHARGER '29' FEDERA 1	COG OPERATING LLC				2,977,555	
30-025-31906	CHECKERBOARD 23 FEDE 001	EOG RESOURCES INC	132,138	258,755	308,353		6/1993
30-025-31907	CHECKERBOARD 23 FEDE 002	EOG RESOURCES INC	210,714	332,918	519,019		4/1993
30-025-32287	CHECKERBOARD 23 FEDE 003	EOG RESOURCES INC	94,086	245,831	71,083		1/1994
30-025-32396	CHECKERBOARD 23 FEDE 004	EOG RESOURCES INC	87,208	215,656	396,726		4/1994
30-025-32376	CHECKERBOARD 23 FEDE 005	EOG RESOURCES INC	49,463	125,021	191,251		2/1994
30-025-32375	CHECKERBOARD 23 FEDE 006	EOG RESOURCES INC	52,541	159,870	142,423		4/1994
30-025-32620	CHECKERBOARD 23 FEDE 007	EOG RESOURCES INC	74,266	259,388	144,481		9/1994
30-025-32626	CHECKERBOARD 23 FEDE 008	EOG RESOURCES INC	81,782	221,900	93,934		10/1994
30-025-32660	CHECKERBOARD 23 FEDE 009	EOG RESOURCES INC	74,058	198,713	41,794		11/1994
30-025-32627	CHECKERBOARD 23 FEDE 010	EOG RESOURCES INC	48,730	87,203	176,970		11/1994
30-025-32628	CHECKERBOARD 23 FEDE 011	EOG RESOURCES INC	96,481	303,122	47,974		11/1994
30-025-32795	CHECKERBOARD 23 FEDE 012	EOG RESOURCES INC	51,386	114,757	300,600		3/1995
30-025-32864	CHECKERBOARD 23 FEDE 013	EOG RESOURCES INC	72,289	142,764	136,356		4/1995
30-025-32885	CHECKERBOARD 23 FEDE 016	EOG RESOURCES INC	28,998	47,944	112,820		5/1995
30-025-32945	CHECKERS 24 FEDERAL 001	DEVON ENERGY PRODUCTION CO	69,980	458,893	1,069		10/1997
30-025-33702	CHECKERS 24 FEDERAL 005	DEVON ENERGY PRODUCTION CO	27,847	52,145	84,222		1/1998
30-025-34023	CHECKERS 24 FEDERAL 007	DEVON ENERGY PRODUCTION CO	38,596	535,763	2,150		5/1998
30-015-27617	CHRISTOPHER FEDERAL 002	PHILLIPS PETROLEUM CO	56,437	123,911	302,853		10/1993
30-025-31926	CLEARY 'AKA' FEDERA 2	YATES PETROLEUM CORP	1,170	2,148	69,517	297,199	3/2005
30-025-31944	CLEARY AKC FEDERAL # 003	YATES PETROLEUM CORP					
30-025-24823	CLEARY AKC FEDERAL 001	YATES PETROLEUM CORP	20,206	221,613	620,083		7/1975
30-025-31978	CODORNIZ FEDERAL 1	STRATA PRODUCTION CO					
30-025-32972	CODORNIZ FEDERAL 2	STRATA PRODUCTION CO					
30-025-31968	COLIBRI FEDERAL 001	STRATA PRODUCTION CO	1,199		68,806		11/1995
30-525-07565	CONNALLY FEDERAL 001	MERCURY EXPLORATION	4,302	1,481,867	2,931		3/1983
30-025-27772	CONNALLY FEDERAL 001	STRATA PRODUCTION CO	4,704	1,777,009	3,154		3/1983
30-025-36049	CONTINENTAL APJ FEDE 003	YATES PETROLEUM CORP	57,307	61,247	645,111		3/2003
30-025-36109	CONTINENTAL APJ FEDE 004	YATES PETROLEUM CORP					
30-025-38283	CONTINENTAL APJ FEDE 004	YATES PETROLEUM CORP					
30-025-36110	CONTINENTAL APJ FEDE 005	YATES PETROLEUM CORP					
30-025-38284	CONTINENTAL APJ FEDE 005	YATES PETROLEUM CORP					
30-025-36111	CONTINENTAL APJ FEDE 006	YATES PETROLEUM CORP	12,361	37,731	351,629		6/2003
30-025-38410	CONTINENTAL APJ FEDE 007	YATES PETROLEUM CORP					
30-025-37089	CONTINENTAL APJ FEDE 008	YATES PETROLEUM CORP	9,087	22,650	90,007		2/2006
30-025-20428	CONTINENTAL FEDERAL 1	YATES PETROLEUM CORP	1,906	1,328	5,473		9/1995
30-025-08125	CONTINENTAL-FED 1	PRE-ONGARD WELL OPERATOR					
30-025-08117	CONTINENTAL-FEDERAL 1-15	PRE-ONGARD WELL OPERATOR					
30-025-08115	CONTINENTAL-FEDERAL 1-9	PRE-ONGARD WELL OPERATOR					
30-015-05844	CONTINENTAL-STATE 1	PRE-ONGARD WELL OPERATOR					
30-025-33531	CORIANDER AOC STATE 001	LIME ROCK RESOURCES A, L.P.	27,573	228,968	143,154		9/1996
30-025-33574	CORIANDER AOC STATE 002	YATES PETROLEUM CORP	5,603	34,891	86,402		10/1996
30-025-35375	CORSAIR '27' FEDERA 4	ECHO PRODUCTION INC	12,226	13,400	44,034		1/2002
30-025-34901	CORSAIR 27 FEDERAL 001	ECHO PRODUCTION INC	67,236	78,223	248,200		1/2000

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-35312	CORSAIR 27 FEDERAL 002	ECHO PRODUCTION INC					
30-025-35924	COVINGTON A FEDERAL 039	POGO PRODUCING CO					
30-025-36627	COVINGTON A FEDERAL 045	POGO PRODUCING CO					
30-525-07568	COVINGTON A FEDERAL 001	CHEVRON U.S.A. INC.	623	571,144	4,226		12/1977
30-025-24947	COVINGTON A FEDERAL 001	OXY USA INC	139,693	458,829	198,726		10/1990
30-025-31850	COVINGTON A FEDERAL 002	OXY USA INC	154,256	188,561	275,071		1/1994
30-025-32445	COVINGTON A FEDERAL 003	OXY USA INC	100,286	117,794	149,828		1/1998
30-025-32290	COVINGTON A FEDERAL 004	OXY USA INC	63,071	146,015	273,532		2/1996
30-025-32446	COVINGTON A FEDERAL 005	OXY USA INC	78,476	180,305	374,019		5/1996
30-025-31851	COVINGTON A FEDERAL 006	OXY USA INC	215,238	254,830	365,396		9/1995
30-025-33614	COVINGTON A FEDERAL 007	OXY USA INC	175,499	260,320	410,428		12/1996
30-025-32023	COVINGTON A FEDERAL 008	POGO PRODUCING CO	209,630	204,072	708,144		7/1994
30-025-32036	COVINGTON A FEDERAL 009	POGO PRODUCING CO	225,615	295,078	764,056		12/1993
30-025-32581	COVINGTON A FEDERAL 010	OXY USA INC	98,976	292,411	306,302		1/1995
30-025-33074	COVINGTON A FEDERAL 011	OXY USA INC	80,307	355,334	146,466		11/1995
30-025-33142	COVINGTON A FEDERAL 013	OXY USA INC	79,913	239,276	345,765		1/1996
30-025-33399	COVINGTON A FEDERAL 014	OXY USA INC	45,441	172,324	396,409		6/1996
30-025-33319	COVINGTON A FEDERAL 015	OXY USA INC	54,435	338,344	117,869		8/1997
30-025-33224	COVINGTON A FEDERAL 016	OXY USA INC	178,253	141,929	634,786		8/1996
30-025-35940	COVINGTON A FEDERAL 017	OXY USA INC	16,720	37,319	116,784		12/2002
30-025-32037	COVINGTON A FEDERAL 018	OXY USA INC	223,833	285,163	472,764		10/1993
30-025-31853	COVINGTON A FEDERAL 019	OXY USA INC	49,654	74,433	717,314		12/1996
30-025-35898	COVINGTON A FEDERAL 020	OXY USA INC	52,710	51,863	142,910		6/2002
30-025-34075	COVINGTON A FEDERAL 021	OXY USA INC	100,552	119,420	184,480		1/1998
30-025-32851	COVINGTON A FEDERAL 025	OXY USA INC	223,403	182,457	1,053,969		5/1995
30-025-34987	COVINGTON A FEDERAL 026	OXY USA INC	45,582	59,609	697,601		11/2000
30-025-34705	COVINGTON A FEDERAL 034	OXY USA INC	99,237	136,369	88,312		11/1999
30-025-34706	COVINGTON A FEDERAL 035	OXY USA INC	34,591	69,421	219,464		12/1999
30-025-34479	COVINGTON A FEDERAL 036	OXY USA INC	167,379	196,379	365,971		9/1998
30-025-34455	COVINGTON A FEDERAL 037	OXY USA INC	35,214	95,094	224,417		10/1999
30-025-34753	COVINGTON A FEDERAL 038	OXY USA INC	40,294	73,823	312,657		12/1999
30-025-35936	COVINGTON A FEDERAL 042	OXY USA INC	27,785	43,458	117,504		12/2002
30-025-36274	COVINGTON A FEDERAL 045C	POGO PRODUCING CO	623	583,886	4,226		12/1977
30-025-31434	CUERVO FEDERAL 002	STRATA PRODUCTION CO	148,688	42,931	335,444		1/1992
30-025-26844	CUERVO FEDERAL WD-1	STRATA PRODUCTION CO	15,798	4,088	38,045	1,446,251	8/1981
30-025-08111	CULBERSON 1	PRE-ONGARD WELL OPERATOR					
30-025-33262	DARIUS ADS FEDERAL 001	EOG RESOURCES INC	98,760	354,190	57,335		4/1996
30-515-04434	DAVID ROSE AIT FEDER 001	YATES PETROLEUM CORP	197		5,928		4/1991
30-015-26629	DAVID ROSS AIT FEDER 001	YATES PETROLEUM CORP	197		5,928	16,238,298	4/1991
30-025-35015	DIAMOND 34 FEDERAL 001	EOG RESOURCES INC	21,287	24,900	11,432		4/2001
30-025-33112	DIAMOND 34 FEDERAL 002	EOG RESOURCES INC	133,099	137,454	408,383		11/1995
30-025-33351	DIAMOND 34 FEDERAL 003	EOG RESOURCES INC	11,632	23,090	400,493		5/1996
30-025-33653	DIAMONDTAIL '23' FE 2	DEVON ENERGY PRODUCTION CO	3,829		2,475	1,384,604	2/1997
30-025-33521	DIAMONDTAIL '24' FE 1	DEVON ENERGY PRODUCTION CO	2,669	820	15,373	1,742,509	11/1996
30-025-33261	DIAMONDTAIL '34' FE 4	EOG RESOURCES INC					
30-025-33344	DIAMONDTAIL 24 FEDER 001	DEVON ENERGY PRODUCTION CO	26,073	54,717	395,870		5/1996
30-025-32879	DIAMONDTAIL 34 FEDER 001	BURLINGTON RESOURCES OIL & GA:	160,754	189,103	222,379		6/1995
30-025-32998	DIAMONDTAIL 34 FEDER 002	EOG RESOURCES INC	195,416	204,200	502,637		8/1995
30-025-33020	DIAMONDTAIL 34 FEDER 003	EOG RESOURCES INC	216,590	206,208	534,241		11/1995
30-025-27762	DIPPEL FEDERAL COM 003	UNION OIL CO OF CALIFORNIA					
30-015-26548	DOLORES AIL FED 002	YATES PETROLEUM CORP	434,628	808,691	400,336		9/1991
30-015-26547	DOLORES AIL FEDERAL 001	YATES PETROLEUM CORP	166,340	330,113	390,146		4/1991
30-015-26722	DOLORES AIL FEDERAL 003	YATES PETROLEUM CORP	202,341	366,632	420,614		7/1991
30-015-26802	DONELL 3 FEDERAL 001	HARVEY E YATES CO	579	729			10/1991
30-015-04733	DUNCAN 1	PRE-ONGARD WELL OPERATOR					
30-025-36380	EAST LIVINGSTON 31 F 001	ECHO PRODUCTION INC	90,389	144,724	306,518		8/2004
30-025-36381	EAST LIVINGSTON 31 F 002	ECHO PRODUCTION INC	77,660	76,904	185,502		3/2004
30-025-36656	EAST LIVINGSTON 31 F 003	ECHO PRODUCTION INC	7,500	12,450	55,581		10/2004
30-025-36912	EAST LIVINGSTON 31 F 005	ECHO PRODUCTION INC	46	61	113		3/2005
30-025-31729	EAST LIVINGSTON RIDG 001	OXY USA INC	70,140	44,060	168,770		3/1993
30-025-31942	EAST LIVINGSTON RIDG 002	POGO PRODUCING CO					
30-025-32149	EAST LIVINGSTON RIDG 003	POGO PRODUCING CO	9,917	8,462	188,144		10/1993

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-34170	EAST LIVINGSTON RIDG 005	OXY USA INC	24,471	18,233	300,413		1/1998
30-025-32464	EAST LIVINGSTON RIDG 006	OXY USA INC	72,528	70,711	261,043		1/1996
30-025-33650	EAST LIVINGSTON RIDG 012	OXY USA INC	67,489	30,890	374,286		12/1996
30-025-31431	EBW 31 FEDERAL 001	COLLINS & WARE INC					
30-025-31977	EMERALD FEDERAL 002	PHILLIPS PETROLEUM CO					
30-025-31976	EMERALD FEDERAL 1	COG OPERATING LLC	49,371		690,509		3/1995
30-025-02614	ETZ 1	PRE-ONGARD WELL OPERATOR					
30-025-02615	ETZ 1	PRE-ONGARD WELL OPERATOR					
30-025-02608	ETZ-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-02617	EVA BROWN 1	PRE-ONGARD WELL OPERATOR					
30-015-26519	EXXON FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-33001	FALCON 32 STATE 001	DEVON ENERGY PRODUCTION CO	185,763	186,388	398,605		10/1995
30-025-35640	FALCON 32 STATE 003	DEVON ENERGY PRODUCTION CO	39,162	70,822	201,667		1/2002
30-025-36555	FALCON 32 STATE 004	DEVON ENERGY PRODUCTION CO	17,518	36,003	119,940		10/2005
30-015-20845	FEDERAL /A/ 1	PRE-ONGARD WELL OPERATOR					
30-015-20947	FEDERAL /B/ 1	PRE-ONGARD WELL OPERATOR					
30-015-25595	FEDERAL '44' 1	POGO PRODUCING CO					
30-015-23896	FEDERAL 'FI' 1	PRE-ONGARD WELL OPERATOR					
30-025-02613	FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-08114	FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-23045	FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-26775	FEDERAL 1 001	OXY USA INC	104,065	226,021	136,191		12/1991
30-015-35796	FEDERAL 1 001	REEF EXPLORATION, L.P.					
30-015-26828	FEDERAL 1 002	OXY USA INC	82,750	172,542	126,691		2/1992
30-015-35795	FEDERAL 1 002	REEF EXPLORATION, L.P.					
30-015-26829	FEDERAL 1 003	OXY USA INC	72,124	186,653	142,238		4/1992
30-015-35794	FEDERAL 1 003	REEF EXPLORATION, L.P.					
30-015-26843	FEDERAL 1 004	OXY USA INC	80,900	161,258	288,801		3/1992
30-015-35793	FEDERAL 1 004	REEF EXPLORATION, L.P.					
30-015-26909	FEDERAL 1 005	OXY USA INC	71,954	167,094	99,892		3/1992
30-015-26910	FEDERAL 1 006	OXY USA INC	82,021	210,062	123,530		4/1992
30-015-26988	FEDERAL 1 007	OXY USA INC	10,430	28,223	37,450		6/1992
30-015-32792	FEDERAL 12 #011 011G	POGO PRODUCING CO					
30-525-06182	FEDERAL 12 001	BELCO PETROLEUM CORP	377	9,543	4,291		5/1977
30-015-26742	FEDERAL 12 001	OXY USA INC	138,297	315,165	188,330		8/1991
30-015-35792	FEDERAL 12 001	REEF EXPLORATION, L.P.					
30-015-26780	FEDERAL 12 002	OXY USA INC	151,124	368,346	130,222		9/1991
30-015-35809	FEDERAL 12 002	REEF EXPLORATION, L.P.					
30-015-26858	FEDERAL 12 003	OXY USA INC	163,287	251,880	110,584		2/1992
30-015-26859	FEDERAL 12 004	OXY USA INC	128,661	302,489	156,950		12/1991
30-015-26860	FEDERAL 12 005	OXY USA INC	105,268	224,736	112,555		1/1992
30-015-26917	FEDERAL 12 006	OXY USA INC	101,351	250,547	112,289		4/1992
30-015-26918	FEDERAL 12 007	OXY USA INC	129,015	320,648	111,366		3/1992
30-015-26942	FEDERAL 12 008	OXY USA INC	161,433	351,863	128,110		4/1992
30-515-04431	FEDERAL 12 008	POGO PRODUCING CO					
30-015-26971	FEDERAL 12 009	OXY USA INC	75,148	125,427	400,451		4/1995
30-015-33887	FEDERAL 12 011	POGO PRODUCING CO					
30-015-35291	FEDERAL 12 012	OXY USA INC					
30-015-35355	FEDERAL 12 013	OXY USA INC					
30-525-07566	FEDERAL 17 001	GRACE PETROLEUM CORP	958	204,185	27,800		7/1975
30-015-23046	FEDERAL 2	POGO PRODUCING CO					
30-015-26377	FEDERAL 23 001	OXY USA INC	166,474	302,639	467,042		8/1990
30-015-26932	FEDERAL 23 002	OXY USA INC	120,037	256,699	358,321		4/1992
30-015-26400	FEDERAL 23 003	OXY USA INC	161,288	271,520	276,089		8/1991
30-015-26681	FEDERAL 23 005	OXY USA INC	224,971	297,605	356,679		5/1991
30-015-25305	FEDERAL 24 001	OXY USA INC	91,234	57,853	111,908		8/1985
30-015-25408	FEDERAL 24 002	OXY USA INC	79,833	66,094	180,939		11/1985
30-015-25407	FEDERAL 24 003	OXY USA INC	31,382	37,495	71,983		3/1986
30-015-32689	FEDERAL 26 #008Q 008Q	POGO PRODUCING CO					
30-015-32759	FEDERAL 26 #010Q 010Q	POGO PRODUCING CO					
30-015-26376	FEDERAL 26 001	OXY USA INC	136,496	205,122	894,609		7/1990
30-015-26638	FEDERAL 26 002	POGO PRODUCING CO	64,099	87,686	384,558		4/1991

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-26788	FEDERAL 26 003	OXY USA INC	165,969	188,878	200,843		8/1991
30-015-26866	FEDERAL 26 004	OXY USA INC	142,915	148,465	542,188		12/1991
30-015-26854	FEDERAL 26 005	OXY USA INC	153,586	153,182	370,484		1/1992
30-015-26940	FEDERAL 26 006	OXY USA INC	96,659	125,156	467,496		4/1992
30-015-26941	FEDERAL 26 007	OXY USA INC	92,084	110,972	614,671		5/1992
30-015-30355	FEDERAL 26 009	OXY USA INC	39,232	45,802	548,398		11/1998
30-015-33826	FEDERAL 26 010A	POGO PRODUCING CO					
30-025-31618	FEDERAL 27 001	OXY USA INC	146,023	196,706	499,199		8/1992
30-025-33652	FEDERAL 27 002	OXY USA INC	98,792	80,926	392,199		7/1998
30-025-33651	FEDERAL 27 003	OXY USA INC	60,504	86,388	285,287		1/1998
30-025-32796	FEDERAL 27 004	OXY USA INC	63,764	77,000	878,785		9/1996
30-025-32797	FEDERAL 27 005	OXY USA INC	65,683	73,862	536,704		12/1996
30-025-32842	FEDERAL 27 006	OXY USA INC	120,045	102,206	745,378		11/1995
30-025-32775	FEDERAL 27 007	OXY USA INC	128,643	124,443	563,069		8/1995
30-025-32755	FEDERAL 27 008	OXY USA INC	61,967	91,154	953,206		7/1995
30-015-27312	FEDERAL 29 004	OXY USA INC	74,109	425,687	165,177		3/1993
30-015-27266	FEDERAL 29 008	OXY USA INC	88,226	380,360	269,150		3/1993
30-025-31089	FEDERAL 31 001	POGO PRODUCING CO	67,314	6,208,597	225,237		9/1991
30-025-31403	FEDERAL 6 001	POGO PRODUCING CO	635				8/1994
30-025-31400	FEDERAL 6 002	OXY USA INC					
30-025-32709	FEDERAL 8 COM 001	OXY USA INC	748	503,948	35,468		4/1997
30-015-32408	FEDERAL BA 001	MARBOB ENERGY CORP	56,274	335,380	181,782		1/2002
30-015-35358	FEDERAL BA 002	MARBOB ENERGY CORP	1,710	2,196	11,478		12/2007
30-025-27473	FEDERAL CK COM 001	KAISER-FRANCIS OIL CO	3,179	640,657	48,602		5/1982
30-025-26898	FEDERAL HM 13 001	CHEVRON MIDCONTINENT, L.P.	2,584	1,684,542	17,988		12/1980
30-525-08814	FEDERAL K 001	UNION OIL COMPANY OF					
30-025-21440	FEDERAL L 001	PRE-ONGARD WELL OPERATOR					
30-025-31791	FEDERAL LR 8 002	POGO PRODUCING CO					
30-025-31742	FEDERAL LR-18 002	POGO PRODUCING CO					
30-025-31743	FEDERAL LR-7 001	POGO PRODUCING CO					
30-025-31744	FEDERAL LR-7 002	POGO PRODUCING CO					
30-025-31772	FEDERAL LR-8 001	POGO PRODUCING CO					
30-025-31792	FEDERAL LR-8 003	POGO PRODUCING CO					
30-025-31518	FEDERAL NL 002	COLLINS & WARE INC	436	3	9,655		8/1992
30-525-08805	FEDERAL SAND 18 001	TEXACO EXPLORATION &					
30-025-08132	FEDERAL WL 001	PRE-ONGARD WELL OPERATOR	54,890	41,522	251,054		2/1970
30-025-08133	FEDERAL WL 002	PRE-ONGARD WELL OPERATOR					
30-025-08123	FEDERAL WL 003	PRE-ONGARD WELL OPERATOR					
30-525-08808	FEDERAL WL 004	GENE A. SNOW	2,319	1,414	8,851		1/1970
30-025-21436	FEDERAL WL 5-7	PRE-ONGARD WELL OPERATOR					
30-025-02611	FEDERAL-AID 1	PRE-ONGARD WELL OPERATOR					
30-025-08118	FEDERAL-ESTILL AE 1	PRE-ONGARD WELL OPERATOR					
30-025-08130	FEDERAL-JAMES 3	PRE-ONGARD WELL OPERATOR					
30-025-08122	FEDERAL-JAMES 4	PRE-ONGARD WELL OPERATOR					
30-025-08107	FEDERAL-JENNINGS 18 1	PRE-ONGARD WELL OPERATOR					
30-025-08121	FED-FIELDS 1	PRE-ONGARD WELL OPERATOR					
30-015-27867	FELINE ALF FEDERAL # 007	YATES PETROLEUM CORP					
30-525-08806	FIELDS 001	HUGH L. JOHNSTON, SR					
30-025-08119	FIELDS 001	PRONGHORN MANAGEMENT CORP	86,023	170,622	741,193		1/1970
30-525-08807	FIELDS 002	CONTINENTAL OIL COMP					
30-025-08120	FIELDS 002	ESTACODO INC					
30-025-25348	FIELDS 004	PRONGHORN MANAGEMENT CORP	52,871	101,014	589,859		11/1976
30-025-25150	FIELDS 3	PRE-ONGARD WELL OPERATOR					
30-025-31076	FLAMENCO FEDERAL WD-1	YATES PETROLEUM CORP				10,085,657	
30-015-26973	FLORA AKF STATE 001	YATES PETROLEUM CORP	161,921	230,409	227,905		11/1994
30-015-26974	FLORA AKF STATE 002	YATES PETROLEUM CORP	164,180	243,851	81,873		4/1995
30-015-32027	FLORA AKF STATE 003	YATES PETROLEUM CORP	83,699	222,984	144,669		7/2002
30-015-32028	FLORA AKF STATE 004	YATES PETROLEUM CORP	101,377	229,442	107,533		1/2003
30-015-30412	FNR 26 FEDERAL 001	OXY USA INC	36,911	63,096	89,132		1/1999
30-015-30413	FNR 27 FEDERAL #001 001	POGO PRODUCING CO					
30-515-04726	FORTY NINER 001	GETTY OIL COMPANY	558	869,557	1,125		2/1975
30-015-20899	FORTY NINER RIDGE UN 001	STRATA PRODUCTION CO	72,126	926,888	458,277	920,677	2/1975

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30-015-21175	FORTY NINER RIDGE UN 002	STRATA PRODUCTION CO	138,108	187,159	343,233		6/1975
30-015-25454	FORTY NINER RIDGE UN 003	STRATA PRODUCTION CO	34,880	62,145	306,143		1/1988
30-015-33743	FORTY NINER RIDGE UN 004	STRATA PRODUCTION CO	35,052	43,114	97,412		3/2005
30-015-33637	FORTY NINER RIDGE UN 006	STRATA PRODUCTION CO	13,149	26,842	48,989		4/2005
30-015-35008	FORTY NINER RIDGE UN 009	STRATA PRODUCTION CO					
30-015-34331	FORTY NINER RIDGE UN 101	MEWBOURNE OIL CO		182,296	32,725		
30-015-35033	FORTY NINER RIDGE UN 102	MEWBOURNE OIL CO	277	73,158	1,160		1/2007
30-015-05847	GARDNER TL 1	PRE-ONGARD WELL OPERATOR					
30-015-26848	GETTY '24' FEDERAL WD-5	CHEVRON U S A INC				8,446,112	
30-015-23348	GETTY 24 FED 001	B BERNARD LANKFORD	198,572	633,571	459,342		2/1981
30-015-26287	GETTY 24 FED 002	CHEVRON U S A INC	77,141	96,271	378,793		4/1990
30-015-26288	GETTY 24 FED 003	CHEVRON U S A INC	170,598	347,830	518,575		6/1990
30-015-26482	GETTY 24 FED 004	CHEVRON U S A INC	138,984	155,242	489,244		3/1991
30-015-27084	GETTY 24 FED 006	CHEVRON U S A INC	150,886	356,135	265,569		7/1996
30-015-27147	GETTY 24 FED 007	CHEVRON U S A INC	88,570	129,864	622,957		7/1996
30-015-29144	GETTY 24 FED 008	CHEVRON U S A INC	110,112	236,494	367,618		12/1996
30-015-29580	GETTY 24 FED 009	CHEVRON U S A INC	137,650	304,515	366,272		7/1997
30-015-29581	GETTY 24 FED 010	CHEVRON U S A INC	174,450	342,776	142,173		7/1997
30-015-31162	GETTY 24 FED 011	OXY USA INC	78,366	60,070	200,335		1/2001
30-015-31803	GETTY 24 FED 015	CHEVRON U S A INC	84,409	135,044	358,402		1/2002
30-015-32780	GETTY 24 FEDERAL #01 017	CHEVRON U S A INC					
30-015-35464	GETTY 24 FEDERAL 012	CHEVRON U S A INC					
30-015-31801	GETTY 24 FEDERAL 013	CHEVRON U S A INC	19,168	27,827	215,921		1/2002
30-015-31802	GETTY 24 FEDERAL 014	CHEVRON U S A INC	49,258	48,253	557,424		1/2002
30-015-32644	GETTY 24 FEDERAL 016	CHEVRON U S A INC	22,272	31,045	340,699		6/2003
30-025-26986	GETTY 32 STATE COM 001	CONOCOPHILLIPS CO	52,503	10,229,232	14,995		2/1981
30-515-04432	GETTY FEDERAL 24 001	TEXACO PRODUCING INC	95	441,192	49,357		2/1981
30-025-08108	GILMORE 1	PRE-ONGARD WELL OPERATOR					
30-025-08109	GILMORE-FEDERAL 1	STRATA PRODUCTION CO				2,939,390	
30-015-35313	GLOW WORM ALX FEDERA 011	YATES PETROLEUM CORP	516	1,537	21,104		12/2007
30-015-35314	GLOW WORM ALX FEDERA 012	YATES PETROLEUM CORP	999	2,403	22,028		12/2007
30-015-35315	GLOW WORM ALX FEDERA 013	YATES PETROLEUM CORP	20,439	18,422	49,494		7/2007
30-015-35316	GLOW WORM ALX FEDERA 014	YATES PETROLEUM CORP	1,079	2,501	26,810		11/2007
30-015-34081	GOLD RUSH 29 FEDERAL 002	COG OPERATING LLC	1,636	22,269	73,118		7/2005
30-015-28032	GOLD RUSH 30 FEDERAL 001	COG OPERATING LLC	76,516	322,137	198,505		3/1995
30-015-29747	GOLD RUSH 30 FEDERAL 002	COG OPERATING LLC	69,804	568,673	114,186		9/1997
30-015-28671	GOLD RUSH 30 FEDERAL 003	COG OPERATING LLC	56,217	288,072	184,048		11/1995
30-015-28872	GOLD RUSH 30 FEDERAL 004	COG OPERATING LLC	73,909	299,350	491,905		5/1996
30-015-28922	GOLD RUSH 30 FEDERAL 005	COG OPERATING LLC	68,098	549,493	118,967		11/1997
30-015-31198	GOLD RUSH 30 FEDERAL 006Q	COG OPERATING LLC	22,843	144,683	87,744		10/2000
30-015-29364	GOLD RUSH 30 FEDERAL 007	COG OPERATING LLC	77,988	366,650	185,747		4/1997
30-015-34254	GOLD RUSH 30 FEDERAL 008	COG OPERATING LLC	13,294	158,981	45,933		7/2005
30-015-29949	GOLD RUSH 30 FEDERAL 008	MARALO LLC					
30-015-29736	GOLD RUSH 31 FEDERAL 001	COG OPERATING LLC	66,342	387,572	191,737		10/1997
30-015-30787	GOLD RUSH 31 FEDERAL 002	COG OPERATING LLC	36,203	254,767	52,060		1/2000
30-015-30822	GOLD RUSH 31 FEDERAL 003	COG OPERATING LLC	29,411	465,409	119,443		11/2001
30-015-32768	GOLD RUSH 31 FEDERAL 004Q	COG OPERATING LLC	9,019	101,613	56,474		6/2005
30-025-24601	GOVERNMENT H COM 001	MERRION OIL & GAS CORP	73,590	4,766,775	3,165		10/1974
30-015-28356	GR 30 STATE 001	COG OPERATING LLC	61,364	356,305	226,517		5/1995
30-015-28931	GR 30 STATE 002	COG OPERATING LLC	60,934	141,901	463,126		11/1996
30-015-31110	GR 30 STATE 003	MARALO LLC	6,814	8,178	193,579		8/2000
30-015-20948	GRACE COTTN BABY FD 1	GRACE MICHAEL P INC					
30-025-24215	GRACE FEDERAL 001	YATES PETROLEUM CORP	1,947	791,905	15,493		5/1974
30-015-26875	GRAHAM AKB STATE 001	YATES PETROLEUM CORP	102,947	215,543	196,579		3/1992
30-015-26876	GRAHAM AKB STATE 002	YATES PETROLEUM CORP	141,670	310,969	497,450		5/1992
30-015-31604	GRAHAM AKB STATE 003	YATES PETROLEUM CORP	25,344	72,928	211,505		7/2001
30-015-31605	GRAHAM AKB STATE 004	YATES PETROLEUM CORP	72,057	161,809	59,179		4/2001
30-015-31911	GRAHAM AKB STATE 005	YATES PETROLEUM CORP	56,156	168,414	50,557		6/2002
30-015-31912	GRAHAM AKB STATE 006	YATES PETROLEUM CORP	68,461	181,267	142,861		2/2003
30-015-31913	GRAHAM AKB STATE 008	YATES PETROLEUM CORP	53,722	197,831	154,414		6/2002
30-015-31606	GRAHAM AKB STATE 009	YATES PETROLEUM CORP	62,696	238,612	157,405		8/2001
30-015-20948	GRCE COTTN BABY-FED 1	PRE-ONGARD WELL OPERATOR					

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-20432	GULF-FEDERAL AA 1	PRE-ONGARD WELL OPERATOR					
30-025-08134	GULF-STATE 1	PRE-ONGARD WELL OPERATOR					
30-025-25931	HALFWAY FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-21335	HARLEQUIN 1	CORINNE GRACE					
30-015-21336	HARLEQUIN 2	CORINNE GRACE					
30-025-26427	HAT MESA 001	BEPCO, LP	27,026	1,933,252	38,680		7/1980
30-025-24403	HAT MESA 001	NEW TEX OIL CO	30,213	5,216,272	1,863		3/1974
30-025-24890	HAT MESA A 001	CONOCOPHILLIPS CO	63,847	4,844,557	3,500		7/1974
30-025-22131	HAT MESA COM 001	CONOCOPHILLIPS CO	18,469	7,813,499	4,657		1/1973
30-025-24925	HAT MESA COM 002	CONOCOPHILLIPS CO	46,691	4,578,137	3,294		10/1975
30-025-08128	HOLDER-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-36598	HORNET 6 FEDERAL #00 002	DEVON ENERGY PRODUCTION CO					
30-025-36599	HORNET 6 FEDERAL #00 003	DEVON ENERGY PRODUCTION CO					
30-025-36600	HORNET 6 FEDERAL #00 004	DEVON ENERGY PRODUCTION CO					
30-025-36486	HORNET 6 FEDERAL 001	DEVON ENERGY PRODUCTION CO	11,474	18,214	198,428		2/2004
30-015-31513	HUDSON 1 FEDERAL 007	BEPCO, LP	84,505	157,270	204,111		9/1993
30-015-21052	HUDSON FEDERAL COM 001	BEPCO, LP	35,030	985,155	267,552	2,139,635	8/1974
30-025-32878	JACKALOPE 24 FEDERAL 001	EOG RESOURCES INC	54,475	368,251	28,495		4/1997
30-025-35478	JACKALOPE 24 FEDERAL 002	EOG RESOURCES INC	28,070	114,456	10,944		8/2002
30-015-30636	JACQUE AQJ STATE #00 002	YATES PETROLEUM CORP	37,975	129,328	204,205		1/2005
30-015-30637	JACQUE AQJ STATE #00 004	YATES PETROLEUM CORP	12,104	41,555	101,374		4/2006
30-015-30080	JACQUE AQJ STATE 001	YATES PETROLEUM CORP	56,114	187,957	284,558		5/1998
30-015-30635	JACQUE AQJ STATE 003	YATES PETROLEUM CORP	79,072	194,357	334,042		6/1999
30-015-31928	JACQUE AQJ STATE 005	YATES PETROLEUM CORP	67,109	162,923	137,658		11/2001
30-015-31929	JACQUE AQJ STATE 006	YATES PETROLEUM CORP	32,414	96,619	197,660		7/2004
30-015-33335	JACQUE AQJ STATE 007	YATES PETROLEUM CORP	13,778	55,523	216,889		5/2005
30-015-35090	JACQUE AQJ STATE 008	YATES PETROLEUM CORP					
30-015-35091	JACQUE AQJ STATE 009	YATES PETROLEUM CORP					
30-015-35092	JACQUE AQJ STATE 010	YATES PETROLEUM CORP					
30-015-35093	JACQUE AQJ STATE 011	YATES PETROLEUM CORP					
30-015-20934	JAMES 'D' 1	PRE-ONGARD WELL OPERATOR					
30-015-25757	JAMES 'E' 2	PRE-ONGARD WELL OPERATOR					
30-015-27966	JAMES 'E' FEDERAL 16	PHILLIPS PETROLEUM CO					
30-025-35288	JAMES 001	ECHO PRODUCTION INC	4,029		31,278		4/2001
30-025-37786	JAMES 20 FEDERAL 001	HARVARD PETROLEUM CO, LLC	9,896	15,440	49,393		10/2006
30-025-38050	JAMES 20 FEDERAL 002	HARVARD PETROLEUM CO, LLC	7,138	18,875	29,118		1/2007
30-015-25699	JAMES A 002	CONOCOPHILLIPS CO	658,323	384,302	2,059,764		1/1987
30-015-25758	JAMES A 003	PHILLIPS PETROLEUM CO	9,603	14,274	174,073	12,077,326	11/1987
30-015-25768	JAMES A 004	CONOCOPHILLIPS CO	60,424	91,088	566,617		10/1987
30-015-25962	JAMES A 005	CONOCOPHILLIPS CO	280,456	821,645	504,170		1/1973
30-015-26031	JAMES A 006	CONOCOPHILLIPS CO	174,968	185,151	1,915,892		6/1989
30-015-26232	JAMES A 007	CONOCOPHILLIPS CO	287,273	263,595	2,422,350	16,406	4/1990
30-015-26304	JAMES A 008	CONOCOPHILLIPS CO	161,043	183,876	1,760,087		12/1990
30-015-26313	JAMES A 009	CONOCOPHILLIPS CO	234,329	292,810	514,629		1/1991
30-015-26314	JAMES A 010	CONOCOPHILLIPS CO	10,224	15,305	525,083		1/1991
30-015-26510	JAMES A 011	CONOCOPHILLIPS CO	7,705	6,567	83,792		1/1991
30-015-26761	JAMES A 012	CONOCOPHILLIPS CO				14,794,275	
30-015-10806	JAMES A COM 001	CONOCOPHILLIPS CO	160,193	4,333,738	1,665,917		1/1970
30-515-04414	JAMES A COM 001	PHILLIPS PETROLEUM CO	172	1,935	8,415		1/1973
	JAMES C 001	DEVON ENERGY PRODUCTION CO					
30-515-04271	JAMES C 001	PHILLIPS PETROLEUM CO	1,240	1,402,293	10,256		10/1977
30-015-20996	JAMES E 001	CONOCOPHILLIPS CO	100,338	2,865,213	1,679,524		3/1974
30-515-04416	JAMES E 001	PHILLIPS PETROLEUM CO	302	704,319	2,100		1/1975
30-015-26254	JAMES E 003	CONOCOPHILLIPS CO	165,391	122,852	499,348		3/1990
30-015-26371	JAMES E 004	CONOCOPHILLIPS CO	217,923	245,121	608,343		10/1990
30-015-26380	JAMES E 005	CONOCOPHILLIPS CO	274,734	433,248	536,222		12/1990
30-015-26904	JAMES E 006	CONOCOPHILLIPS CO	122,429	86,642	567,603		8/1992
30-515-04417	JAMES E 006	PHILLIPS PETROLEUM CO	1,153	5,365	28,653		3/1992
30-015-27441	JAMES E 008	CONOCOPHILLIPS CO	146,997	177,210	370,376		9/1993
30-015-28056	JAMES E 009	CONOCOPHILLIPS CO	24,050	56,675	91,833		2/1995
30-015-26655	JAMES E 011	CONOCOPHILLIPS CO	234,783	352,609	1,276,789		12/1991
30-015-26644	JAMES E 012	CONOCOPHILLIPS CO	93,929	152,693	894,419		7/1991

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-26645	JAMES E 013	CONOCOPHILLIPS CO	344,728	536,897	493,292		1/1992
30-015-26646	JAMES E 014	CONOCOPHILLIPS CO	23,223	45,038	130,278		2/1992
30-015-27078	JAMES E 015	CONOCOPHILLIPS CO	277,901	334,019	136,709		9/1993
30-025-36665	JAMES FEDERAL #008 008	HARVARD PETROLEUM CO, LLC					
30-025-36773	JAMES FEDERAL #011 011	HARVARD PETROLEUM CO, LLC	24,476	44,227	103,723		1/2005
30-025-36774	JAMES FEDERAL #012 013	HARVARD PETROLEUM CO, LLC					
30-025-08128	JAMES FEDERAL 001	TEMPO ENERGY INC				142,681	
30-025-08129	JAMES FEDERAL 002	PRE-ONGARD WELL OPERATOR	52,374	52,307	19,665		1/1970
30-025-35812	JAMES FEDERAL 003	HARVARD PETROLEUM CO, LLC	78,673	153,040	195,653		7/2002
30-025-35843	JAMES FEDERAL 004	HARVARD PETROLEUM CO, LLC	87,710	169,708	195,278		7/2002
30-025-36721	JAMES FEDERAL 005	HARVARD PETROLEUM CO, LLC	17,471	31,832	196,167		7/2004
30-025-35888	JAMES FEDERAL 006	HARVARD PETROLEUM CO, LLC	64,778	102,808	405,471		10/2002
30-025-36028	JAMES FEDERAL 007	HARVARD PETROLEUM CO, LLC	72,355	114,468	284,940		12/2003
30-025-36031	JAMES FEDERAL 009	HARVARD PETROLEUM CO, LLC	50,723	91,198	444,581		1/2003
30-025-36772	JAMES FEDERAL 010	HARVARD PETROLEUM CO, LLC	41,079	81,523	89,788		10/2004
30-025-37778	JAMES FEDERAL 012	HARVARD PETROLEUM CO, LLC	7,939	18,133	44,354		10/2006
30-025-33085	JAMES FEDERAL 19 001	HARVARD PETROLEUM CO, LLC	76,037	484,681	141,765		11/1995
30-025-33100	JAMES FEDERAL 19 002	HARVARD PETROLEUM CO, LLC	52,901	215,415	467,262		4/1996
30-025-31515	JAMES FEDERAL WI-1	HARVARD PETROLEUM CO, LLC				8,092,815	
30-015-22162	JAMES RANCH 012	BEPCO, LP	4,894	1,070,116	124,291		6/1981
30-015-31026	JAMES RANCH UNIT #02 020	EOG RESOURCES INC					
30-015-27612	JAMES RANCH UNIT #03 032	EOG RESOURCES INC					
30-015-27702	JAMES RANCH UNIT #03 034	EOG RESOURCES INC					
30-015-04735	JAMES RANCH UNIT 001	BEPCO, LP	276,591	27,654,717	15,528		1/1970
30-515-04724	JAMES RANCH UNIT 003	BELCO PETROLEUM CORP	17,772	1,325,045	24,442		3/1973
30-015-20232	JAMES RANCH UNIT 003	BEPCO, LP	34,010	4,464,737	550,040		9/1983
30-015-20803	JAMES RANCH UNIT 004	BEPCO, LP	15,131	8,947,176	5,737		1/1974
30-015-21247	JAMES RANCH UNIT 007	EOG RESOURCES INC	128,420	2,357,033	16,473		11/1974
30-015-23075	JAMES RANCH UNIT 010	BEPCO, LP	53,185	9,108,271	337,309		4/1980
30-015-23377	JAMES RANCH UNIT 011	BEPCO, LP	165,878	1,472,791	12,383		5/1981
30-015-24062	JAMES RANCH UNIT 013	BEPCO, LP	32,087	8,526,825	9,574		1/1985
30-015-24420	JAMES RANCH UNIT 014	BEPCO, LP	12,524	4,159,113	7,015		2/1983
30-515-04737	JAMES RANCH UNIT 015	BEPCO, LP	16	553,203	11,700		2/1991
30-015-24780	JAMES RANCH UNIT 015	BEPCO, LP	189	1,015,436	117,969		2/1991
30-015-28623	JAMES RANCH UNIT 016	BEPCO, LP	159,863	390,633	80,269		2/1996
30-015-27460	JAMES RANCH UNIT 016	EOG RESOURCES INC					
30-015-27784	JAMES RANCH UNIT 017	BEPCO, LP	158,170	377,433	153,871		2/1994
30-015-27208	JAMES RANCH UNIT 018	BEPCO, LP		4,870,890	41,480		
30-015-27357	JAMES RANCH UNIT 019	BEPCO, LP	124,384	324,249	223,390		4/1993
30-015-31033	JAMES RANCH UNIT 027	BEPCO, LP	84,521	286,193	189,455		12/1993
30-015-27735	JAMES RANCH UNIT 029	BEPCO, LP	98,614	185,167	200,691		2/1994
30-015-27704	JAMES RANCH UNIT 030	BEPCO, LP	139,947	239,872	17,370		12/1993
30-015-30829	JAMES RANCH UNIT 031	BEPCO, LP	64,453	159,598	146,129		1/2000
30-015-30830	JAMES RANCH UNIT 032	BEPCO, LP	39,887	120,109	107,255		4/2000
30-015-31207	JAMES RANCH UNIT 033	BEPCO, LP	55,892	138,521	213,923		8/2000
30-015-31064	JAMES RANCH UNIT 034	BEPCO, LP	36,901	113,323	130,601		6/2000
30-015-31167	JAMES RANCH UNIT 035	BEPCO, LP	65,154	119,771	151,201		7/2000
30-015-27686	JAMES RANCH UNIT 036	BEPCO, LP	61,385	153,427	112,945		12/1994
30-015-27703	JAMES RANCH UNIT 037	BEPCO, LP	63,565	231,735	102,221		11/1993
30-015-30856	JAMES RANCH UNIT 038	BEPCO, LP	61,017	131,171	270,145		2/2000
30-015-27734	JAMES RANCH UNIT 041	BEPCO, LP	66,970	141,258	152,775		9/1994
30-015-27791	JAMES RANCH UNIT 048	BEPCO, LP	52,854	106,077	708,627		4/1994
30-015-27589	JAMES RANCH UNIT 055	BEPCO, LP	79,346	393,519	169,249		5/1994
30-015-27886	JAMES RANCH UNIT 056	BEPCO, LP	59,307	275,408	148,672		11/1994
30-015-27887	JAMES RANCH UNIT 057	BEPCO, LP	60,230	234,720	136,009		7/1994
30-015-35340	JAMES RANCH UNIT 062	BEPCO, LP	8,855	13,173	52,154		3/2007
30-015-30857	JAMES RANCH UNIT 063	BEPCO, LP	80,987	298,245	134,025		2/2000
30-015-27995	JAMES RANCH UNIT 065	BEPCO, LP	128,477	289,784	44,197		9/1996
30-015-31065	JAMES RANCH UNIT 066	BEPCO, LP	112,527	215,397	256,410		5/2000
30-015-31004	JAMES RANCH UNIT 067	BEPCO, LP	132,830	236,880	268,919		5/2000
30-015-28012	JAMES RANCH UNIT 070	BEPCO, LP	11,452	3,487,635	9,847		2/1995
30-015-27927	JAMES RANCH UNIT 071	BEPCO, LP	158,313	376,763	107,395		1/1995

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-28979	JAMES RANCH UNIT 073	BEPCO, LP	68,613	202,174	86,059		8/1996
30-015-31168	JAMES RANCH UNIT 074	BEPCO, LP	54,694	144,117	191,841		9/2000
30-015-33114	JAMES RANCH UNIT 075Q	BEPCO, LP	57,801	105,587	163,106		8/2004
30-015-29173	JAMES RANCH UNIT 076	BEPCO, LP	73,953	181,354	107,376		10/1996
30-015-31056	JAMES RANCH UNIT 079	BEPCO, LP	92,478	250,300	163,232		7/2000
30-015-32868	JAMES RANCH UNIT 080	BEPCO, LP	103,748	214,615	115,995		9/2003
30-015-31208	JAMES RANCH UNIT 082	BEPCO, LP	51,156	101,539	239,475		8/2000
30-015-31580	JAMES RANCH UNIT 083	EOG RESOURCES INC	59,485	1,453,339	143,908		3/1973
30-015-31405	JAMES RANCH UNIT 084	BEPCO, LP	30,169	92,981	125,124		3/2001
30-015-35322	JAMES RANCH UNIT 085	BEPCO, LP	9,834	16,930	54,975		3/2007
30-015-34277	JAMES RANCH UNIT 087	BEPCO, LP	45,452	63,001	116,972		11/2005
30-015-33601	JAMES RANCH UNIT 091	BEPCO, LP	39,252	86,912	177,278		11/2004
30-015-33619	JAMES RANCH UNIT 093	BEPCO, LP					
30-015-35542	JAMES RANCH UNIT 101	BEPCO, LP					
30-015-35543	JAMES RANCH UNIT 102	BEPCO, LP					
30-015-26799	JASMINE 'AJI' FEDER 1	YATES PETROLEUM CORP	6,731	31,895	82,179		11/2004
30-025-31362	JOY 'AJO' STATE 1	YATES PETROLEUM CORP					
30-015-26927	JULIA AJL FEDERAL #0 002	YATES PETROLEUM CORP					
30-015-26934	JULIA AJL FEDERAL 004	YATES PETROLEUM CORP	1,727		23,864		5/1992
30-015-27038	KALEIDOSCOPE AKO FED 001	YATES PETROLEUM CORP	2,221	6,420	22,102		8/1992
30-025-31576	KIWI AKX STATE 001	YATES PETROLEUM CORP	211,660	417,796	256,900		5/1992
30-025-31595	KIWI AKX STATE 002	YATES PETROLEUM CORP	138,495	267,766	330,230		6/1992
30-025-31599	KIWI AKX STATE 003	YATES PETROLEUM CORP	79,308	80,511	415,049		7/1992
30-025-31600	KIWI AKX STATE 004	YATES PETROLEUM CORP	84,541	88,378	614,683		7/1992
30-025-31644	KIWI AKX STATE 005	YATES PETROLEUM CORP	98,169	102,713	725,385		8/1992
30-025-31645	KIWI AKX STATE 006	YATES PETROLEUM CORP	82,346	79,388	1,082,079		9/1992
30-025-31762	KIWI AKX STATE 007	YATES PETROLEUM CORP	41,596	42,221	496,938		11/1992
30-025-31889	KIWI AKX STATE 008	YATES PETROLEUM CORP	4,417	6,993	24,484	10,060,238	4/1993
30-025-32255	KIWI AKX STATE 009	YATES PETROLEUM CORP	22,096	27,840	252,965		12/1993
30-025-36006	KIWI AKX STATE 010	YATES PETROLEUM CORP	14,174	24,444	211,092		12/2002
30-015-27624	LEAH 31 FEDERAL 001	OXY USA INC	47,956	154,825	142,219		1/1994
30-025-31495	LECHUZA FEDERAL 001	STRATA PRODUCTION CO	108,202	102,001	219,308		4/1992
30-025-31603	LECHUZA FEDERAL 002	STRATA PRODUCTION CO	194,821	150,740	487,737		7/1992
30-025-31753	LECHUZA FEDERAL 003	STRATA PRODUCTION CO	2,803	4,286	18,325		11/1992
30-025-31800	LECHUZA FEDERAL 004	STRATA PRODUCTION CO	11,089	13,343	54,931		3/1993
30-025-31801	LECHUZA FEDERAL 005	STRATA PRODUCTION CO	16,693	31,003	144,292		1/1993
30-015-04734	LEGG FEDERAL 001	BEPCO, LP				3,974,481	
30-025-02616	LEMON 1	PRE-ONGARD WELL OPERATOR					
30-025-02616	LEMON 1	TODD W L JR					
30-025-31193	LINCOLN FEDERAL UNI 1	COLLINS & WARE INC					
30-515-04272	LITTLE BOX CANYON 002	OXY USA INC.		9,953			
30-025-32145	LITTLE EDDY UNIT 005	CHESAPEAKE OPERATING	108,123	329,513	163,387		1/1994
30-025-32629	LITTLE EDDY UNIT 006	CHESAPEAKE OPERATING	534	2,122	41,354		2/1995
30-025-32602	LITTLE EDDY UNIT 007	CHESAPEAKE OPERATING	16,219	27,113	34,799		2/1995
30-025-32603	LITTLE EDDY UNIT 008	BEPCO, LP					
30-025-32176	LITTLE JACK 30 FEDER 001	EOG RESOURCES INC	155,997	455,422	460,653		2/1994
30-025-32481	LITTLE JACK 30 FEDER 002	EOG RESOURCES INC	49,766	226,872	160,035		6/1994
30-025-32478	LITTLE JACK 30 FEDER 003	EOG RESOURCES INC	252,175	585,556	236,122		6/1994
30-025-32540	LITTLE JACK 30 FEDER 004	EOG RESOURCES INC	32,678	107,493	75,947		12/1994
30-015-35997	LIVINGSTON RIDGE 12 001	SAMSON RESOURCES CO					
30-025-32324	LIVINGSTON RIDGE 18 003	OXY USA INC	4,507	754	64,009		1/1994
30-025-36012	LIVINGSTON RIDGE 18 004	OXY USA INC	83,524	192,501	340,838		5/2003
30-025-36270	LIVINGSTON RIDGE 18 005	POGO PRODUCING CO					
30-025-36295	LIVINGSTON RIDGE 18 006	OXY USA INC	35,654	119,876	396,300		8/2003
30-025-35960	LIVINGSTON RIDGE 19 001	OXY USA INC	82,573	235,531	382,591		2/2003
30-025-36029	LIVINGSTON RIDGE 19 003	OXY USA INC	22,858	55,685	1,233,735		7/2003
30-025-36553	LIVINGSTON RIDGE 19 004A	POGO PRODUCING CO					
30-015-34644	LIVINGSTON RIDGE 36 001	SAMSON RESOURCES CO	250	467,134	4,546		11/2006
30-015-26398	LIVINGSTON RIDGE FED 001	CONOCOPHILLIPS CO	463,848	705,910	2,041,185		1/1991
30-015-26436	LIVINGSTON RIDGE FED 002	CONOCOPHILLIPS CO	136,614	160,586	3,224,247		3/1991
30-015-26437	LIVINGSTON RIDGE FED 003	CONOCOPHILLIPS CO	113,244	148,241	1,501,158		2/1991
30-015-26429	LIVINGSTON RIDGE FED 004	CONOCOPHILLIPS CO	82,998	142,735	1,417,558		11/1991

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30-015-26408	LIVINGSTON RIDGE FED 006	CONOCOPHILLIPS CO	6,887	17,546	140,684		1/1992
30-015-21050	LIVINGSTON RIDGE FED WD-1	TROPORO OIL & GAS COMPANY	55,783	1,996,315	715,569		9/1974
30-015-21289	LIVINGSTON RIDGE U 1	PRE-ONGARD WELL OPERATOR					
30-015-21501	LIVINGSTON RIDGE UNI 001Y	MARBOB ENERGY CORP	116	182,294	132		11/2004
30-015-28093	LLAMA ALL FEDERAL 001	YATES PETROLEUM CORP	116,185	615,516	205,594		1/1995
30-015-34297	LLAMA ALL FEDERAL 004	YATES PETROLEUM CORP	18,500	27,620	266,520		12/2005
30-015-34298	LLAMA ALL FEDERAL 005	YATES PETROLEUM CORP	11,459	33,981	193,089		1/2006
30-015-34299	LLAMA ALL FEDERAL 006	YATES PETROLEUM CORP	2,561	12,050	130,111		3/2006
30-025-38447	LONECAT FEDERAL 001	BC OPERATING, INC.	1,256	3,488	9,212		1/2008
30-015-29988	LOPER 34 STATE 001	OXY USA INC.	49,058	11,767	165,158		8/1998
30-015-29717	LOST TANK 28 FEDERAL 003	POGO PRODUCING CO					
30-015-29718	LOST TANK 28 FEDERAL 004	POGO PRODUCING CO					
30-015-35354	LOST TANK 3 FEDERAL 023	OXY USA INC	49,262	511,567	1,937		3/2007
30-015-29638	LOST TANK 3 FEDERAL 001	OXY USA INC	109,074	386,556	158,152		6/1997
30-015-29682	LOST TANK 3 FEDERAL 002	OXY USA INC	215,366	185,103	133,372		7/1997
30-015-29859	LOST TANK 3 FEDERAL 003	OXY USA INC	121,764	184,770	142,860		11/1997
30-015-30418	LOST TANK 3 FEDERAL 004	OXY USA INC	118,612	300,312	179,074		11/1998
30-015-30586	LOST TANK 3 FEDERAL 005	OXY USA INC	118,682	212,351	132,835		3/2000
30-015-31887	LOST TANK 3 FEDERAL 006	OXY USA INC	62,073	275,663	94,431		8/2001
30-015-32167	LOST TANK 3 FEDERAL 007	OXY USA INC	26,894	138,713	24,813		4/2002
30-015-32168	LOST TANK 3 FEDERAL 008	OXY USA INC	71,678	315,805	9,832		2/2002
30-015-32169	LOST TANK 3 FEDERAL 009	OXY USA INC	35,075	98,839	31,002		6/2002
30-015-32345	LOST TANK 3 FEDERAL 010	OXY USA INC	20,677	84,889	30,929		7/2002
30-015-32725	LOST TANK 3 FEDERAL 011	OXY USA INC	35,602	126,809	18,585		5/2003
30-015-32726	LOST TANK 3 FEDERAL 012	OXY USA INC	88,361	191,910	23,499		5/2003
30-015-29330	LOST TANK 33 FEDERAL 002	OXY USA INC	5,535	20,652	38,518	3,218,834	12/1996
30-015-29338	LOST TANK 33 FEDERAL 004	OXY USA INC	141,970	487,460	190,881		12/1996
30-015-30167	LOST TANK 33 FEDERAL 005	OXY USA INC	84,289	215,339	246,077		3/1998
30-015-29467	LOST TANK 33 FEDERAL 006	OXY USA INC	32,982	83,063	446,332		3/1997
30-015-29468	LOST TANK 33 FEDERAL 007	OXY USA INC	45,945	121,744	197,298		5/1997
30-015-29381	LOST TANK 33 FEDERAL 008	OXY USA INC	33,501	97,890	124,823		10/1997
30-015-29382	LOST TANK 33 FEDERAL 009	OXY USA INC	91,916	374,574	69,440		6/1997
30-015-29744	LOST TANK 33 FEDERAL 010	OXY USA INC	86,240	134,744	175,880		8/1997
30-015-29677	LOST TANK 33 FEDERAL 011	OXY USA INC	13,850	56,025	147,158		4/1998
30-015-29678	LOST TANK 33 FEDERAL 012	OXY USA INC	15,596	62,629	100,785		8/1998
30-015-29679	LOST TANK 33 FEDERAL 013	POGO PRODUCING CO					
30-015-29680	LOST TANK 33 FEDERAL 014	POGO PRODUCING CO					
30-015-29681	LOST TANK 33 FEDERAL 015	OXY USA INC	26,497	85,960	68,177		7/1998
30-015-29193	LOST TANK 33 FEDERAL 1	POGO PRODUCING CO					
30-015-31361	LOST TANK 35 STATE 001	OXY USA INC	18,103	51,958	28,705		11/2000
30-015-32354	LOST TANK 35 STATE 002	OXY USA INC	37,663	81,356	44,103		8/2002
30-015-31608	LOST TANK 35 STATE 003	OXY USA INC	22,297	76,354	32,273		7/2002
30-015-31275	LOST TANK 35 STATE 004	OXY USA INC	68,172	144,697	163,867		10/2000
30-015-33704	LOST TANK 35 STATE 005	OXY USA INC					
30-015-32352	LOST TANK 35 STATE 006	OXY USA INC	34,706	77,166	138,903		11/2002
30-015-31640	LOST TANK 35 STATE 007	OXY USA INC	46,854	110,580	154,676		4/2001
30-015-31641	LOST TANK 35 STATE 008	OXY USA INC	55,487	135,588	171,956		5/2001
30-015-32511	LOST TANK 35 STATE 009	OXY USA INC	8,558	24,113	64,434		3/2005
30-015-32512	LOST TANK 35 STATE 010	OXY USA INC	23,334	51,534	96,299		2/2005
30-015-32240	LOST TANK 35 STATE 011	OXY USA INC	29,951	59,853	60,036		10/2002
30-015-31851	LOST TANK 35 STATE 012	OXY USA INC	54,312	117,959	124,817		10/2001
30-015-33445	LOST TANK 35 STATE 013Q	OXY USA INC	58,849	43,632	57,318		9/2004
30-015-33434	LOST TANK 35 STATE 014	OXY USA INC	30,563	44,212	136,823		8/2004
30-015-33446	LOST TANK 35 STATE 015	OXY USA INC	37,311	65,973	73,198		7/2004
30-015-31926	LOST TANK 35 STATE 016	OXY USA INC	49,804	101,356	120,623		3/2002
30-015-29742	LOST TANK 4 FEDERAL 004	POGO PRODUCING CO					
30-015-28727	LOST TANK 4 FEDERAL 001	OXY USA INC	61,600	191,873	237,043		12/1996
30-015-29611	LOST TANK 4 FEDERAL 002	OXY USA INC	100,222	263,365	123,725		6/1997
30-015-29617	LOST TANK 4 FEDERAL 003	OXY USA INC	128,167	296,071	241,832		4/1997
30-015-29732	LOST TANK 4 FEDERAL 005	OXY USA INC	75,407	158,752	119,071		9/1997
30-015-29733	LOST TANK 4 FEDERAL 006	OXY USA INC	85,808	229,718	82,587		10/1997
30-015-30414	LOST TANK 4 FEDERAL 007	OXY USA INC	62,076	198,737	105,688		1/1999

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-34918	LOST TANK 4 FEDERAL 020	OXY USA INC	64,361	803,040	13,129		11/2006
30-015-26584	LOST TANK AIS STATE 001	YATES PETROLEUM CORP	138,667	332,159	238,992		1/1992
30-015-26585	LOST TANK AIS STATE 002	YATES PETROLEUM CORP	91,099	169,511	249,383		11/1991
30-015-26586	LOST TANK AIS STATE 003	YATES PETROLEUM CORP	80,409	152,716	528,571		3/1991
30-015-26715	LOST TANK AIS STATE 004	YATES PETROLEUM CORP	55,370	130,264	137,242		12/1991
30-015-26716	LOST TANK AIS STATE 005	YATES PETROLEUM CORP	53,003	121,233	155,281		1/1992
30-015-26751	LOST TANK AIS STATE 006	YATES PETROLEUM CORP	37,851	116,305	145,036		12/1991
30-015-32527	LOST TANK AIS STATE 007	YATES PETROLEUM CORP	54,195	107,623	358,521		7/2003
30-015-26794	LOST TANK AIS STATE 008	YATES PETROLEUM CORP	194,860	470,582	387,837		11/1991
30-015-32522	LOST TANK AIS STATE 010	YATES PETROLEUM CORP	44,602	96,958	279,466		4/2003
30-015-26878	LOST TANK AIS STATE 9	YATES PETROLEUM CORP					
30-025-31443	LOST TANK SWD WD-1	PENROC OIL CORP				191,687	
30-025-36556	LOTUS ALT STATE #007 007K	YATES PETROLEUM CORP					
30-025-36611	LOTUS ALT STATE #009 009	YATES PETROLEUM CORP					
30-025-36612	LOTUS ALT STATE #010 010N	YATES PETROLEUM CORP					
30-025-36558	LOTUS ALT STATE #011 011O	YATES PETROLEUM CORP					
30-025-36004	LOTUS ALT STATE 001	YATES PETROLEUM CORP	4,299	19,658	264,344		3/2003
30-025-31694	LOTUS ALT STATE 002	YATES PETROLEUM CORP	13,965	66,389	271,852		10/1992
30-025-36005	LOTUS ALT STATE 003	YATES PETROLEUM CORP	125,660	94,483	339,530		12/2002
30-025-36135	LOTUS ALT STATE 004	YATES PETROLEUM CORP	63,855	62,855	557,121		5/2003
30-025-36136	LOTUS ALT STATE 005	YATES PETROLEUM CORP	25,765	51,553	82,779		7/2003
30-025-36137	LOTUS ALT STATE 006	YATES PETROLEUM CORP					
30-025-36557	LOTUS ALT STATE 008	YATES PETROLEUM CORP	24,195	55,118	354,985		7/2004
30-025-37661	LOTUS ALT STATE 009	YATES PETROLEUM CORP	18,157	21,756	113,214		10/2006
30-025-37799	LOTUS ALT STATE 012	YATES PETROLEUM CORP	2,192	15,780	123,082		9/2006
30-015-31607	LUCY ALC STATE 001	YATES PETROLEUM CORP	122,061	341,103	246,635		5/2001
30-015-31792	LUCY ALC STATE 002	YATES PETROLEUM CORP	85,190	352,455	173,059		8/2001
30-015-31793	LUCY ALC STATE 003	YATES PETROLEUM CORP	68,951	344,652	134,442		9/2001
30-015-32000	LUCY ALC STATE 004	YATES PETROLEUM CORP	36,721	124,565	90,838		1/2002
30-015-32001	LUCY ALC STATE 005	YATES PETROLEUM CORP	53,233	154,788	130,020		4/2003
30-015-32002	LUCY ALC STATE 006	YATES PETROLEUM CORP	84,965	140,472	281,250		5/2003
30-015-32003	LUCY ALC STATE 007	YATES PETROLEUM CORP	37,378	103,099	273,925		7/2003
30-015-35089	LUCY ALC STATE 008	YATES PETROLEUM CORP					
30-025-31442	LUKE FEDERAL 2	POGO PRODUCING CO	7,969	6,218	93,378		1/1992
30-015-26549	MARTHA AIK FEDERAL 001	YATES PETROLEUM CORP	140,604	215,614	200,121		2/1991
30-015-26650	MARTHA AIK FEDERAL 002	YATES PETROLEUM CORP	144,155	266,222	210,902		4/1991
30-015-26723	MARTHA AIK FEDERAL 003	YATES PETROLEUM CORP	122,453	176,583	209,456		6/1991
30-015-26724	MARTHA AIK FEDERAL 004	YATES PETROLEUM CORP	145,583	201,905	480,391		10/1991
30-015-26908	MARTHA AIK FEDERAL 005	YATES PETROLEUM CORP	65,558	168,399	528,956		2/1992
30-015-26960	MARTHA AIK FEDERAL 006	YATES PETROLEUM CORP	74,012	172,353	520,346		4/1992
30-015-26625	MARY AIV STATE 001	YATES PETROLEUM CORP	60,707	59,432	229,225		4/1991
30-015-26729	MARY AIV STATE 003	YATES PETROLEUM CORP	69,251	60,312	675,803		7/1991
30-015-26760	MARY AIV STATE 005	YATES PETROLEUM CORP	30,570	36,466	239,942		1/1992
30-015-26768	MARY AIV STATE 2	YATES PETROLEUM CORP					
30-025-08116	MATTHEWS II 1	PRE-ONGARD WELL OPERATOR					
30-015-29525	MEDANO STATE 002	FOREST OIL CORPORATION	10,974	20,464	1,336,959		7/1997
30-015-26171	MEDANO STATE COM WD-1	ARCO PERMIAN	15,573	186,549	37,147	5,733,706	5/1990
30-015-27174	MEDANO VA STATE #009 009	YATES PETROLEUM CORP					
30-015-33240	MEDANO VA STATE #014 014	YATES PETROLEUM CORP	18,790	47,025	135,194		2/2005
30-015-20423	MEDANO VA STATE 001	E G L RESOURCES INC	104,302	378,638	695,659		4/1983
30-015-26382	MEDANO VA STATE 002	YATES PETROLEUM CORP	85,433	550,626	186,988		4/1991
30-515-04738	MEDANO VA STATE 003	YATES PETROLEUM CORP	14,160	4,777	22,501		2/1991
30-015-26591	MEDANO VA STATE 003	YATES PETROLEUM CORP	134,829	218,773	293,360		2/1991
30-015-26633	MEDANO VA STATE 004	YATES PETROLEUM CORP	106,422	394,573	236,100		5/1993
30-015-27021	MEDANO VA STATE 005	YATES PETROLEUM CORP	125,711	567,744	237,412		6/1993
30-015-27022	MEDANO VA STATE 006	YATES PETROLEUM CORP	98,078	249,192	231,767		9/1993
30-015-32123	MEDANO VA STATE 007Q	YATES PETROLEUM CORP	45,028	109,017	257,988		8/2003
30-015-33401	MEDANO VA STATE 008	YATES PETROLEUM CORP	90,255	142,258	125,958		12/2004
30-015-33406	MEDANO VA STATE 009	YATES PETROLEUM CORP	66,906	137,902	154,008		8/2004
30-015-32044	MEDANO VA STATE 010Q	YATES PETROLEUM CORP	52,313	94,946	303,711		6/2005
30-015-27320	MEDANO VA STATE 012	YATES PETROLEUM CORP	27,275	99,164	247,922		8/1996
30-015-33239	MEDANO VA STATE 013	YATES PETROLEUM CORP	85,631	111,221	336,295		12/2004

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-27323	MEDANO VA STATE 015	YATES PETROLEUM CORP	53,008	117,844	535,938		8/1993
30-015-27324	MEDANO VA STATE 016	YATES PETROLEUM CORP	89,194	424,250	170,608		8/1993
30-015-27325	MEDANO VA STATE 017	YATES PETROLEUM CORP	138,765	598,373	447,091		5/1993
30-025-36836	MESA VERDE 15 FEDERA 001	SAMSON RESOURCES CO	639	40,225	6,119		5/2005
30-025-36883	MICRO BREW BEU FEDER 001	YATES PETROLEUM CORP	30,371	81,405	214,893		5/2005
30-025-35918	MILLS 19 001	OXY USA INC	73,879	115,225	461,095		5/2003
30-025-31640	MILLS FEDERAL 001	C W TRAINER					
30-025-31641	MILLS FEDERAL 002	C W TRAINER					
30-025-31642	MILLS FEDERAL 003	C W TRAINER					
30-025-31643	MILLS FEDERAL 004	C W TRAINER					
30-025-34449	MINIS '2' FEDERAL 1	SAMSON RESOURCES CO	408,600	220,267	243,648		3/2002
30-025-33227	MINIS 1 FEDERAL 002	NEARBURG PRODUCING CO	7,037	1,407,506	978		5/1996
30-025-36956	MINIS 1 FEDERAL 004	COG OPERATING LLC	20,896	7,838	9,892		2/2005
30-025-33506	MINIS 1 FEDERAL COM 003	NEARBURG PRODUCING CO	2,807	216,565	1,376		2/1998
30-025-36059	MINIS 2 FEDERAL COM 002	SAMSON RESOURCES CO	3,705	894,332	20,357		2/2003
30-025-36290	MINIS 2 FEDERAL COM 004	SAMSON RESOURCES CO	6,539	557,806	19,607		9/2003
30-515-04273	MINIS ABO FEDERAL CO 001	NEARBURG PRODUCING C	15,963	832,428	1,484		5/1990
30-025-27659	MINIS FEDERAL 1	NEARBURG PRODUCING CO	23,782	1,589,556	2,635		1/1993
30-015-20751	MOBIL FEDERAL 001	POGO PRODUCING CO	211,491	4,305,161	50,403		3/1992
30-015-27114	MOBIL FEDERAL 004	OXY USA INC	203,384	1,179,443	85,372		2/1993
30-015-27795	MOBIL FEDERAL 006	OXY USA INC	107,568	1,051,402	53,623		10/1994
30-015-27115	MOBIL FEDERAL 007	OXY USA INC	268,529	646,192	312,625		10/1992
30-015-27319	MOBIL FEDERAL 008	OXY USA INC	198,313	922,576	295,837		3/1993
30-015-26815	MOLLY STATE 001	PENROC OIL CORP	57,605	111,704	80,746		2/1992
30-015-26830	MOLLY STATE 002	PENROC OIL CORP	69,810	135,278	67,427		2/1992
30-015-26831	MOLLY STATE 003	PENROC OIL CORP	30,916	58,942	32,429		2/1992
30-015-26855	MOLLY STATE 004	PENROC OIL CORP	74,238	143,849	42,427		2/1992
30-015-06143	MONTGOMERY 1	PRE-ONGARD WELL OPERATOR					
30-015-27225	MR '25' FEDERAL 1	MARALO LLC	69				6/1993
30-025-32837	MULE DEER 36 STATE 001	EOG RESOURCES INC	64,241	257,301	77,778		6/1995
30-025-33014	MULE DEER 36 STATE 002	EOG RESOURCES INC	55,078	251,541	98,234		8/1995
30-025-33093	MULE DEER 36 STATE 003	EOG RESOURCES INC	37,525	232,370			11/1995
30-025-33107	MULE DEER 36 STATE 004	EOG RESOURCES INC	50,440	355,530	51,892		11/1995
30-025-33239	MULE DEER 36 STATE 005	EOG RESOURCES INC	49,746	381,684	32,704		2/1996
30-025-33498	MULE DEER 36 STATE 006	EOG RESOURCES INC	25,573	189,480	2,683		9/1996
30-025-33688	MULE DEER 36 STATE 007	EOG RESOURCES INC	25,078	238,527	56,716		2/1997
30-025-33823	MULE DEER 36 STATE 008	EOG RESOURCES INC	21,305	134,431	1,654		4/1997
30-025-08105	MURRAY 1	PRE-ONGARD WELL OPERATOR					
30-015-05842	MUSE-FEDERAL 1	KAISER-FRANCIS OIL CO					
30-025-38293	N M FEDERAL B 003	SAMSON RESOURCES CO	427	54,008	1,335		12/2007
30-015-21672	NASH UNIT 002	STRATA PRODUCTION CO	1,921	4,707,638	5,534		5/1976
30-515-04727	NASH UNIT 007	MESA OPERATING LIMIT	378	246,950	19,060		7/1980
30-015-22971	NASH UNIT 007	STRATA PRODUCTION CO	378	246,950	19,060		7/1980
30-015-27877	NASH UNIT 020	XTO ENERGY, INC	61,905	485,560	258,337		6/1994
30-015-21803	NASH UNIT 6	XTO ENERGY, INC	100,157	547,277	102,606		6/1993
30-015-25899	NEFF 13 001	OXY USA INC	105,884	161,931	374,199		10/1988
30-015-26164	NEFF 13 FED 003	CHEVRON U S A INC	225,274	346,010	322,381		11/1989
30-015-26979	NEFF 13 FED 008	CHEVRON U S A INC	125,848	320,785	367,101		5/1992
30-015-28708	NEFF 13 FED 010	CHEVRON U S A INC	74,408	163,609	283,695		2/1996
30-015-29247	NEFF 13 FED 012	CHEVRON U S A INC	30,495	92,952	254,976		1/1997
30-015-26165	NEFF 13 FEDERAL 002	CHEVRON U S A INC	101,995	141,201	928,334		10/1989
30-015-26502	NEFF 13 FEDERAL 004	CHEVRON U S A INC	168,211	346,110	259,062		2/1991
30-015-26487	NEFF 13 FEDERAL 005	CHEVRON U S A INC	119,700	251,009	258,538		5/1991
30-015-26857	NEFF 13 FEDERAL 006	CHEVRON U S A INC	184,871	415,283	260,488		12/1991
30-015-26929	NEFF 13 FEDERAL 007	CHEVRON U S A INC	143,486	395,785	170,932		5/1992
30-015-28125	NEFF 13 FEDERAL 009	CHEVRON U S A INC	122,014	294,833	278,424		1/1995
30-015-29582	NEFF 13 FEDERAL 011	CHEVRON U S A INC	75,594	155,937	261,361		3/1998
30-015-32761	NEFF 13 FEDERAL 016	CHEVRON U S A INC	24,021	79,820	450,076		7/2003
30-015-35359	NEFF 13 FEDERAL 017	CHEVRON U S A INC					
30-015-35360	NEFF 13 FEDERAL 018	CHEVRON U S A INC					
30-015-35361	NEFF 13 FEDERAL 019	CHEVRON U S A INC					
30-015-25301	NEFF FED 001	POGO PRODUCING CO	51,282	80,939	332,163		12/1989

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-26639	NEFF FED 002	OXY USA INC	123,807	132,829	404,567		1/1992
30-015-28281	NEFF FED 003	OXY USA INC	1,063	3,646	15,807	8,797,252	3/1995
30-525-06166	NEW MEXICO A FEDERAL 001	STRATA PRODUCTION CO	2,656	1,621	4,277		8/1989
30-025-24374	NEW MEXICO A FEDERAL 001	STRATA PRODUCTION CO	11,190	13,667	10,652		11/1989
30-525-06169	NEW MEXICO A FEDERAL 002	STRATA PRODUCTION CO	10,142	5,798	9,923		1/1989
30-525-06171	NEW MEXICO A FEDERAL 002	STRATA PRODUCTION CO	5,515	356,892	17,866		1/1979
30-025-25751	NEW MEXICO A FEDERAL 002	STRATA PRODUCTION CO	96,558	39,056	224,502		1/1990
30-525-06170	NEW MEXICO A FEDERAL 003	STRATA PRODUCTION CO	1,525	522	228		5/1990
30-025-30833	NEW MEXICO A FEDERAL 003	STRATA PRODUCTION CO	123,368	85,536	89,851		6/1990
30-025-30988	NEW MEXICO A FEDERAL 004	STRATA PRODUCTION CO	14,791	6,092	79,173		11/1990
30-025-31146	NEW MEXICO A FEDERAL 005	STRATA PRODUCTION CO	201,338	375,214	392,400		4/1991
30-025-31377	NEW MEXICO A FEDERAL 006	STRATA PRODUCTION CO	50,031	85,950	270,704		11/1991
30-025-36273	NEW MEXICO A FEDERAL 007	SAMSON RESOURCES CO	535	477,810	206,944		7/2003
30-025-25313	NEW MEXICO B FEDERAL 001	XTO ENERGY, INC	98,558	6,366,871	207,037		11/1976
30-025-36834	NEW MEXICO B FEDERAL 002	SAMSON RESOURCES CO					
30-025-25430	NEW MEXICO C FED 001	SAMSON RESOURCES CO	147,265	11,190,613	15,547		5/1977
30-025-36218	NEW MEXICO C FED 002	SAMSON RESOURCES CO	20,852	2,150,423	76,046		8/2003
30-025-36562	NEW MEXICO D FED #00 002	SAMSON RESOURCES CO					
30-025-25485	NEW MEXICO D FED 001	SAMSON RESOURCES CO	39,987	2,556,731	47,507		9/1977
30-525-06178	NEW MEXICO E FEDERAL 001	SAMSON RESOURCES CO.	17,784	2,512,201	3,959		9/1977
30-025-25534	NEW MEXICO E FEDERAL 001	XTO ENERGY, INC	17,916	2,987,879	12,441		8/1995
30-025-25976	NEW MEXICO F FEDERAL 001	SAMSON RESOURCES CO	4,802	651,433	5,831		9/1995
30-525-06177	NEW MEXICO FED F COM 001	GRACE PETROLEUM CORP	4,756	640,574	5,828		1/1979
30-025-26610	NEW MEXICO G FEDERAL 001	SAMSON RESOURCES CO	4,605	1,731,687	50,111		6/1980
30-015-33438	NORKOTA 19 FEDERAL 001	YATES PETROLEUM CORP	12,831	125,457	189,680		10/2004
30-015-34424	NORKOTA 19 FEDERAL 003	DEVON ENERGY PRODUCTION CO	10,808	105,884	26,540		2/2006
30-025-27373	NORTH BILBREY 18 FED 001	M BRAD BENNETT INC	22,506	52,214	121		12/1981
30-025-27603	NORTH BILBREY 7 FEDE 001	CHEVRON U S A INC	24,745	2,754,858	27,712		5/1982
30-515-04274	NORTH INDIAN BASIN U 008	MARATHON OIL COMPANY	199	233,875	133		9/1990
30-015-33376	NORTH PURE GOLD 10 I 009	DEVON ENERGY PRODUCTION CO					
30-015-33386	NORTH PURE GOLD 10 J 010	DEVON ENERGY PRODUCTION CO	9,963	16,917	123,151		9/2004
30-015-33377	NORTH PURE GOLD 10 L 012	DEVON ENERGY PRODUCTION CO					
30-015-33378	NORTH PURE GOLD 10 M 013	DEVON ENERGY PRODUCTION CO					
30-015-34756	NORTH PURE GOLD 4 FE 002	DEVON ENERGY PRODUCTION CO	176,065	378,612	146,999		11/2006
30-015-35702	NORTH PURE GOLD 4 FE 003	DEVON ENERGY PRODUCTION CO	8,014	10,709	23,722		10/2007
30-015-35664	NORTH PURE GOLD 4 FE 004H	DEVON ENERGY PRODUCTION CO	60,102	84,239	48,972		11/2007
30-015-35761	NORTH PURE GOLD 5 FE 001H	DEVON ENERGY PRODUCTION CO	20,900	24,220	28,222		12/2007
30-015-35892	NORTH PURE GOLD 5 FE 003H	DEVON ENERGY PRODUCTION CO	3,757	3,336	20,396		2/2008
30-015-26296	NORTH PURE GOLD 8 FE 001	DEVON ENERGY PRODUCTION CO	1,593	5,896,604	2,362		1/1991
30-015-27597	NORTH PURE GOLD 8 FE 002	DEVON ENERGY PRODUCTION CO	123,187	610,403	241,199		3/1994
30-015-27610	NORTH PURE GOLD 8 FE 003	DEVON ENERGY PRODUCTION CO	122,905	548,507	233,940		5/1994
30-015-27598	NORTH PURE GOLD 8 FE 005	DEVON ENERGY PRODUCTION CO	62,289	259,048	166,648		11/1993
30-015-27618	NORTH PURE GOLD 8 FE 006	DEVON ENERGY PRODUCTION CO	78,897	218,794	326,778		3/1994
30-015-27599	NORTH PURE GOLD 8 FE 007	DEVON ENERGY PRODUCTION CO					
30-015-27600	NORTH PURE GOLD 8 FE 009	DEVON ENERGY PRODUCTION CO	130,861	709,443	212,988		11/1993
30-015-34594	NORTH PURE GOLD 8 FE 010	DEVON ENERGY PRODUCTION CO	69	226,418	53		10/2006
30-015-32619	NORTH PURE GOLD 8 FE 011	DEVON ENERGY PRODUCTION CO	2,692	7,926	24,035	791,138	5/2003
30-015-27178	NORTH PURE GOLD 9 FE 001	DEVON ENERGY PRODUCTION CO	69,338	190,198	129,028		5/1993
30-015-27479	NORTH PURE GOLD 9 FE 002	DEVON ENERGY PRODUCTION CO	112,125	568,571	111,555		6/1994
30-015-27442	NORTH PURE GOLD 9 FE 003	DEVON ENERGY PRODUCTION CO	149,105	633,689	120,892		8/1993
30-015-27443	NORTH PURE GOLD 9 FE 004	DEVON ENERGY PRODUCTION CO	148,773	637,844	231,406		8/1993
30-015-27914	NORTH PURE GOLD 9 FE 005	DEVON ENERGY PRODUCTION CO	191,763	490,223	173,376		8/1994
30-015-27515	NORTH PURE GOLD 9 FE 007	DEVON ENERGY PRODUCTION CO	80,537	185,744	431,035		2/1994
30-015-34533	NORTH PURE GOLD 9 FE 008	DEVON ENERGY PRODUCTION CO	15,712	19,427	28,858		6/2006
30-015-27517	NORTH PURE GOLD 9 FE 009	DEVON ENERGY PRODUCTION CO	35,718	78,676	157,667		3/1994
30-015-33368	NORTH PURE GOLD 9 FE 017	DEVON ENERGY PRODUCTION CO	1,576	582	16,610	1,019,282	5/2004
30-025-31986	OTTAWA STATE 1	WTI 1993 LTD					
30-015-26509	P G 4 FEDERAL 001	DEVON ENERGY PRODUCTION CO	1,205	381,813	47,857		10/2007
30-025-31512	PAISANO FEDERAL 001	STRATA PRODUCTION CO	153,499	88,908	622,332		4/1992
30-025-31615	PAISANO FEDERAL 002	STRATA PRODUCTION CO	125,895	80,657	431,075		9/1992
30-025-31617	PAISANO FEDERAL 003	STRATA PRODUCTION CO	57,722	48,289	182,367		2/1993
30-025-31952	PAISANO FEDERAL 004	STRATA PRODUCTION CO					

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-33863	PARSLEY ARA FEDERAL 001	YATES PETROLEUM CORP	5,132	8,663	76,237		5/1997
30-015-05848	PAULEY-HARRISON-STA 1	PRE-ONGARD WELL OPERATOR					
30-015-27016	PAULINE ALB STATE 001	YATES PETROLEUM CORP	76,569	294,360	93,922		12/1992
30-015-27017	PAULINE ALB STATE 002	YATES PETROLEUM CORP	81,491	552,835	104,132		3/1993
30-015-27018	PAULINE ALB STATE 003	YATES PETROLEUM CORP	75,676	395,289	94,521		1/1993
30-015-27019	PAULINE ALB STATE 004	YATES PETROLEUM CORP	78,614	326,329	98,248		12/1992
30-015-27020	PAULINE ALB STATE 005	YATES PETROLEUM CORP	73,641	332,681	100,723		12/1992
30-015-27155	PAULINE ALB STATE 007	YATES PETROLEUM CORP	67,014	320,374	93,065		1/1993
30-015-27156	PAULINE ALB STATE 008	YATES PETROLEUM CORP	75,441	463,586	110,897		3/1993
30-025-08127	PAYNE FEDERAL 001	TEMPO ENERGY INC	89,346	88,412	28,771		1/1970
30-025-08131	PAYNE FEDERAL 002	TEMPO ENERGY INC	71,311	78,114	18,744		1/1970
30-025-21296	PAYNE FEDERAL 003	PRE-ONGARD WELL OPERATOR	29,366	33,972	9,434		1/1970
30-025-29337	PAYNE FEDERAL 004	TEMPO ENERGY INC	26,384	14,989	154,575		1/1986
30-025-29338	PAYNE FEDERAL 5	TEMPO ENERGY INC					
30-025-21297	PAYNE-FEDERAL 4	PRE-ONGARD WELL OPERATOR					
30-015-26678	PEAKVIEW 001	CONOCOPHILLIPS CO	99,760	206,489	674,661		1/1992
30-015-33737	PEAKVIEW 002	CONOCOPHILLIPS CO	118,017	346,904	98,332		1/2005
30-015-34196	PEAKVIEW 003	CONOCOPHILLIPS CO	36,480	80,374	66,039		1/2006
30-025-29361	PLATINUM 6 FEDERAL 001	NADEL AND GUSSMAN PERMIAN, LLC	28,794	14,040	13,354		1/1986
30-015-23587	POKER LAKE 32 STATE 001	JOURNEY OPERATING LLC	142,856	2,906,010	133,503		3/1984
30-015-27094	POKER LAKE 32 STATE 002	OXY USA INC	127,268	466,988	113,263		12/1992
30-015-27095	POKER LAKE 32 STATE 003	OXY USA INC	113,390	471,621	119,020		2/1993
30-015-27170	POKER LAKE 32 STATE 004	OXY USA INC	208,900	533,683	123,269		1/1993
30-015-27171	POKER LAKE 32 STATE 005	OXY USA INC	71,856	436,262	141,711		1/1993
30-015-27096	POKER LAKE 32 STATE 006	OXY USA INC	120,772	462,092	126,417		2/1993
30-015-27177	POKER LAKE 32 STATE 007	OXY USA INC	67,125	318,278	181,813		2/1993
30-015-27097	POKER LAKE 32 STATE 008	OXY USA INC	88,582	420,067	130,789		2/1993
30-015-31317	POKER LAKE UNIT #160 160	BEPCO, LP					
30-015-29715	POKER LAKE UNIT 137	BEPCO, LP	35,862	223,691	262,185		9/1997
30-015-29876	POKER LAKE UNIT 140	BEPCO, LP	86,452	302,169	214,229		12/1997
30-015-30039	POKER LAKE UNIT 141	BEPCO, LP	48,771	299,662	147,380		1/2001
30-015-30541	POKER LAKE UNIT 144	BEPCO, LP	71,275	552,276	146,004		12/1999
30-015-31006	POKER LAKE UNIT 145	BEPCO, LP	50,743	417,203	215,659		4/2000
30-015-31007	POKER LAKE UNIT 146	BEPCO, LP	90,485	598,231	125,281		5/2000
30-015-31416	POKER LAKE UNIT 149	BEPCO, LP	37,277	318,790	134,380		1/2001
30-015-31318	POKER LAKE UNIT 161	BEPCO, LP	18,696	130,334	198,038		11/2001
30-015-31334	POKER LAKE UNIT 165	BEPCO, LP	42,885	285,915	116,075		4/2001
30-015-31744	POKER LAKE UNIT 170	BEPCO, LP				3,259,773	
30-015-31973	POKER LAKE UNIT 186	BEPCO, LP	3,190	21,635	41,673		10/2006
30-015-33360	POKER LAKE UNIT 188Q	BEPCO, LP					
30-015-26084	POKER LAKE UNIT 71	BEPCO, LP	1,397	456	10,044	1,869,720	8/2001
30-015-20879	PRE-ONGARD WELL #001 001	PRE-ONGARD WELL OPERATOR					
30-015-24112	PRE-ONGARD WELL #001 001	PRE-ONGARD WELL OPERATOR					
30-025-30593	PRE-ONGARD WELL #001 001	PRE-ONGARD WELL OPERATOR					
30-015-20236	PRE-ONGARD WELL #003 003	PRE-ONGARD WELL OPERATOR					
30-015-20496	PRE-ONGARD WELL #003 003	PRE-ONGARD WELL OPERATOR					
30-015-22029	PRE-ONGARD WELL #008 008	PRE-ONGARD WELL OPERATOR					
30-025-20153	PRE-ONGARD WELL 001	PRE-ONGARD WELL OPERATOR					
30-025-21320	PRE-ONGARD WELL 001	PRE-ONGARD WELL OPERATOR					
30-025-24398	PRE-ONGARD WELL 001	PRE-ONGARD WELL OPERATOR					
30-025-25410	PRE-ONGARD WELL 001	PRE-ONGARD WELL OPERATOR	377	9,543	4,291		5/1977
30-025-08124	PRE-ONGARD WELL 004	PRE-ONGARD WELL OPERATOR	49,847	34,547	51,099		1/1970
30-025-35825	PRIZE FEDERAL #017 017	POGO PRODUCING CO					
30-025-31624	PRIZE FEDERAL 001	POGO PRODUCING CO	225,596	223,502	234,349		6/1995
30-025-31902	PRIZE FEDERAL 002	OXY USA INC	179,319	416,863	223,583		4/1993
30-025-32143	PRIZE FEDERAL 003	OXY USA INC	179,843	269,020	435,232		12/1993
30-025-32436	PRIZE FEDERAL 004	OXY USA INC	31,339	88,622	80,083		11/1994
30-025-32437	PRIZE FEDERAL 005	OXY USA INC	99,131	135,423	919,136		4/1994
30-025-32656	PRIZE FEDERAL 006	OXY USA INC	46,464	102,816	196,764		2/1997
30-025-32657	PRIZE FEDERAL 007	OXY USA INC	55,387	87,089	313,510		8/1996
30-025-32685	PRIZE FEDERAL 008	OXY USA INC	123,803	141,530	787,029		12/1995
30-025-32487	PRIZE FEDERAL 010	OXY USA INC	49,330	151,149	256,459		6/1994

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-34082	PRIZE FEDERAL 011	OXY USA INC	60,756	124,521	232,105		9/1997
30-025-32488	PRIZE FEDERAL 013	OXY USA INC	20,880	49,007	211,024		12/1994
30-025-37228	PROHIBITION 12 FEDER 007	COG OPERATING LLC	20,132	29,543	42,779		11/2005
30-025-37227	PROHIBITION 12 FEDER 008	COG OPERATING LLC	33,034	35,157	61,487		12/2005
30-025-37819	PROHIBITION 12 FEDER 010	COG OPERATING LLC	25,026	42,459	31,440		8/2006
30-025-37821	PROHIBITION 12 FEDER 012	COG OPERATING LLC	27,335	59,475	76,604		9/2006
30-025-31137	PROHIBITION FEDERAL 001	COG OPERATING LLC	74,823	37,462	141,166		1/1992
30-025-32142	PROHIBITION FEDERAL 003	MARALO LLC	26,856	277,805	109,096		3/1994
30-025-32758	PROHIBITION FEDERAL 004	COG OPERATING LLC	61,859	80,579	202,635		2/1995
30-025-32760	PROHIBITION FEDERAL 006	COG OPERATING LLC	58,944	131,323	185,729		6/1995
30-025-31716	PROHIBITION FEDERAL 002	COG OPERATING LLC	2,371		35,802	1,879,688	3/1993
30-025-32759	PROHIBITION FEDERAL 005	MARALO LLC					
30-025-33538	PRONGHORN 12 FEDERAL 001	BURLINGTON RESOURCES OIL & GA'	426		4,662		1/1997
30-025-20423	PROXIMITY '31' FEDE WD-4	OXY USA INC				4,480,119	
30-025-36632	PROXIMITY 30 FEDERAL 002	POGO PRODUCING CO					
30-025-37184	PROXIMITY 30 FEDERAL 003	OXY USA INC	12,999	12,199	82,352		9/2005
30-525-06160	PUBCO FEDERAL 001	GRACE PETROLEUM CORP	2,099	10,323			12/1976
30-025-24404	PUBCO FEDERAL 001	SAMSON RESOURCES CO	24,757	1,682,416	2,712		1/1974
30-025-36505	PUBCO FEDERAL COM 002	SAMSON RESOURCES CO	23,655	1,355,173	2,611		4/2004
30-515-04742	PURE GOLD C FEDERA 001	SANTA FE ENERGY OPER	49	670,817	5,072		7/1984
30-015-28006	PURE GOLD 'A' FEDER 8	KAISER-FRANCIS OIL					
30-015-23175	PURE GOLD A FEDERAL 001	KAISER-FRANCIS OIL CO	318	3,259,582	71,279		10/1983
30-015-27243	PURE GOLD A FEDERAL 002	OXY USA INC	133,491	607,687	184,228		2/1993
30-015-27616	PURE GOLD A FEDERAL 003	POGO PRODUCING CO	104,766	372,927	150,047		11/1993
30-015-27388	PURE GOLD A FEDERAL 004	OXY USA INC	136,197	440,722	254,690		6/1993
30-015-35292	PURE GOLD A FEDERAL 005	OXY USA INC	14,823	19,495			10/2007
30-015-35293	PURE GOLD A FEDERAL 006	OXY USA INC	10,177	39,853	2,396		5/2007
30-015-35294	PURE GOLD A FEDERAL 007	OXY USA INC	22,512	18,594			10/2007
30-015-35296	PURE GOLD A FEDERAL 008	OXY USA INC	14,255	18,322	7,240		4/2007
30-015-35298	PURE GOLD A FEDERAL 009	OXY USA INC	4,292	16,551			9/2007
30-015-35299	PURE GOLD A FEDERAL 010	OXY USA INC					
30-015-35301	PURE GOLD A FEDERAL 011	OXY USA INC	12,882	18,015			9/2007
30-015-35303	PURE GOLD A FEDERAL 012	OXY USA INC					
30-015-35306	PURE GOLD A FEDERAL 013	OXY USA INC	6,275	8,267			9/2007
30-015-35307	PURE GOLD A FEDERAL 014	OXY USA INC					
30-015-35308	PURE GOLD A FEDERAL 015	OXY USA INC	29,682	24,875	12,872		4/2007
30-015-35309	PURE GOLD A FEDERAL 016	OXY USA INC	21,919	25,090	5,822		4/2007
30-015-35310	PURE GOLD A FEDERAL 017	OXY USA INC					
30-015-23739	PURE GOLD B FEDERAL 001	KAISER-FRANCIS OIL CO	605	2,565,944	2,922		7/1982
30-015-27270	PURE GOLD B FEDERAL 002	EOG RESOURCES INC	5,605	2,722,869	46,425		1/1994
30-015-27237	PURE GOLD B FEDERAL 003	ENRON OIL & GAS CO.	121,933	2,149,001	180,989		4/1993
30-015-27238	PURE GOLD B FEDERAL 004	OXY USA INC	150,020	734,230	185,813		3/1993
30-015-27289	PURE GOLD B FEDERAL 005	OXY USA INC	135,920	505,830	103,151		7/1993
30-015-27290	PURE GOLD B FEDERAL 006	OXY USA INC	174,596	556,711	189,974		7/1993
30-015-35295	PURE GOLD B FEDERAL 007	OXY USA INC	17,522	43,596	47,191		5/2007
30-015-35297	PURE GOLD B FEDERAL 008	OXY USA INC	13,832	11,643	52,516		5/2007
30-015-27841	PURE GOLD B FEDERAL 009	OXY USA INC	79,449	322,338	60,493		9/1994
30-015-35300	PURE GOLD B FEDERAL 010	OXY USA INC	7,599	7,584	22,699		8/2007
30-015-35302	PURE GOLD B FEDERAL 011	OXY USA INC	13,519	43,275	26,228		4/2007
30-015-35304	PURE GOLD B FEDERAL 012	OXY USA INC	11,136	37,432	20,304		2/2007
30-015-27902	PURE GOLD B FEDERAL 014	OXY USA INC	94,271	331,212	226,705		10/1995
30-015-35305	PURE GOLD B FEDERAL 017	OXY USA INC	4,047	15,500	34,406		4/2007
30-015-35311	PURE GOLD B FEDERAL 018	OXY USA INC	23,853	71,560	19,992		3/2007
30-015-35312	PURE GOLD B FEDERAL 019	OXY USA INC	9,885	8,186	27,226		8/2007
30-015-30605	PURE GOLD B FEDERAL 020	OXY USA INC				2,910,302	
30-015-23992	PURE GOLD C FEDERAL 001	DEVON ENERGY PRODUCTION CO	1,848	1,926,067	88,877		7/1987
30-015-26021	PURE GOLD C-17 FEDER 002	DEVON ENERGY PRODUCTION CO	1,260	3,345,906	99,383		10/1990
30-015-27152	PURE GOLD C-17 FEDER 003	DEVON ENERGY PRODUCTION CO	92,362	352,906	99,178		4/1993
30-015-27153	PURE GOLD C-17 FEDER 004	DEVON ENERGY PRODUCTION CO	100,621	407,327	113,547		4/1993
30-015-27392	PURE GOLD C-17 FEDER 005	DEVON ENERGY PRODUCTION CO	111,828	476,940	104,486		7/1993
30-015-27899	PURE GOLD C-17 FEDER 006	DEVON ENERGY PRODUCTION CO	108,818	501,955	82,419		5/1994
30-015-27888	PURE GOLD C-17 FEDER 007	DEVON ENERGY PRODUCTION CO	135,130	623,986	204,142		5/1994

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-27420	PURE GOLD C-17 FEDER 008	DEVON ENERGY PRODUCTION CO	143,959	604,562	198,771		7/1993
30-015-27396	PURE GOLD C-17 FEDER 009	DEVON ENERGY PRODUCTION CO	125,778	776,140	228,441		8/1993
30-015-27393	PURE GOLD C-17 FEDER 010	DEVON ENERGY PRODUCTION CO	87,825	595,967	283,993		8/1993
30-015-27397	PURE GOLD C-17 FEDER 011	SANTA FE ENERGY OPERATING PAR	71,840	1,054,304	95,622		7/1984
30-015-27421	PURE GOLD C-17 FEDER 012	DEVON ENERGY PRODUCTION CO	159,508	432,019	112,194		9/1993
30-015-27501	PURE GOLD C-17 FEDER 013	DEVON ENERGY PRODUCTION CO	72,310	234,907	191,300		9/1993
30-015-27422	PURE GOLD C-17 FEDER 014	DEVON ENERGY PRODUCTION CO	88,843	306,606	171,171		8/1993
30-015-27217	PURE GOLD D 006	OXY USA INC	125,495	359,082	313,191		4/1994
30-015-27423	PURE GOLD D 006	OXY USA INC	151,113	663,691	361,498		6/1994
30-015-27129	PURE GOLD D 007	OXY USA INC	201,955	438,379	305,129		8/1993
30-015-27162	PURE GOLD D 008	OXY USA INC	238,394	522,202	320,080		12/1992
30-015-27411	PURE GOLD D 009	OXY USA INC	115,845	370,409	398,791		3/1994
30-015-27412	PURE GOLD D 010	OXY USA INC	101,531	295,015	568,717		10/1993
30-015-27391	PURE GOLD D 011	OXY USA INC	219,955	501,932	647,355		7/1993
30-015-27999	PURE GOLD D 018	OXY USA INC	115,688	384,276	241,917		9/1994
30-015-24069	PURE GOLD D FEDERAL 001	POGO PRODUCING CO	18,496	53,599	82,684		12/1990
30-015-26987	PURE GOLD D FEDERAL 002	OXY USA INC	169,818	866,636	203,772		12/1992
30-015-27139	PURE GOLD D FEDERAL 003	OXY USA INC	139,420	764,190	84,374		12/1992
30-015-27131	PURE GOLD D FEDERAL 004	OXY USA INC	99,254	460,373	518,408		10/1992
30-015-27216	PURE GOLD D FEDERAL 005	OXY USA INC	220,115	512,249	162,330		1/1993
30-015-27218	PURE GOLD D FEDERAL 007	OXY USA INC	157,454	882,623	51,620		7/1993
30-015-27219	PURE GOLD D FEDERAL 008	OXY USA INC	149,351	532,285	242,158		2/1993
30-015-35798	PURE GOLD D FEDERAL 009	POGO PRODUCING CO					
30-015-35799	PURE GOLD D FEDERAL 010	POGO PRODUCING CO					
30-015-27609	PURE GOLD D FEDERAL 011	OXY USA INC	82,878	338,917	64,520		1/1995
30-015-27347	PURE GOLD D FEDERAL 012	OXY USA INC	141,098	410,356	297,342		5/1993
30-015-35800	PURE GOLD D FEDERAL 013	POGO PRODUCING CO					
30-015-35801	PURE GOLD D FEDERAL 014	POGO PRODUCING CO					
30-015-27497	PURE GOLD D FEDERAL 016	OXY USA INC	111,449	497,286	261,929		7/1993
30-015-27112	PURE GOLD D FEDERAL 017	OXY USA INC	111,358	490,583	235,823		4/1993
30-025-33955	RED DEER '24' FEDER 1	BURLINGTON RESOURCES OIL & GAS C					
30-025-34003	RED RUBY '35' FEDER 1	RODNEY B WEBB DBA WEBB OIL CO					
30-025-33010	RED TANK '26' FEDER 8	OXY USA INC	22,066	52,393	179,994		8/1995
30-025-33149	RED TANK '35' FEDER WD-3	OXY USA INC				5,628,741	
30-025-31695	RED TANK 23 FEDERAL 001	POGO PRODUCING CO	120,088	121,770	562,368		12/1992
30-525-07567	RED TANK 23 FEDERAL 001	POGO PRODUCING CO	5,144	4,037	3,235		12/1992
30-025-35689	RED TANK 23 FEDERAL 002	EOG RESOURCES INC	17,009	28,791	11,065		8/2002
30-025-32103	RED TANK 23 FEDERAL 002	OXY USA INC	221,973	132,544	273,534		1/1994
30-025-35260	RED TANK 23-N FEDERA 001	EOG RESOURCES INC	1,741	1,350,547	571		1/2002
30-025-35035	RED TANK 24 FEDERAL 001	EOG RESOURCES INC	5,133	9,599,303	53,697		11/2000
30-025-32326	RED TANK 24 FEDERAL 001	OXY USA INC	126,806	232,024	663,162		1/1995
30-025-32320	RED TANK 24 FEDERAL 002	OXY USA INC	72,436	187,288	350,497		10/1995
30-025-36549	RED TANK 26 FEDERAL 013	POGO PRODUCING CO					
30-025-31855	RED TANK 26 FEDERAL 001	OXY USA INC	199,581	249,888	484,295		5/1993
30-025-32462	RED TANK 26 FEDERAL 002	OXY USA INC	121,228	257,668	455,899		6/1994
30-025-32463	RED TANK 26 FEDERAL 003	OXY USA INC	156,201	376,673	368,252		5/1994
30-025-32386	RED TANK 26 FEDERAL 004	OXY USA INC	152,282	447,756	103,241		4/1994
30-025-32387	RED TANK 26 FEDERAL 005	OXY USA INC	128,361	381,880	267,309		2/1995
30-025-32388	RED TANK 26 FEDERAL 006	OXY USA INC	154,525	351,660	270,021		12/1994
30-025-32681	RED TANK 26 FEDERAL 007	OXY USA INC	211,328	248,168	426,703		2/1995
30-025-32947	RED TANK 26 FEDERAL 009	OXY USA INC	44,784	136,596	162,029		6/1995
30-025-36061	RED TANK 28 FEDERAL 002	POGO PRODUCING CO					
30-025-31661	RED TANK 28 FEDERAL 001	OXY USA INC	140,716	148,318	511,069		2/1993
30-025-31754	RED TANK 28 FEDERAL 003	OXY USA INC	1,656	1,281	5,507	3,088,431	5/1993
30-025-36009	RED TANK 28 FEDERAL 004	OXY USA INC	14,299	39,946	149,387		2/2003
30-025-34221	RED TANK 28 FEDERAL 006	OXY USA INC	40,993	87,280	225,181		11/1998
30-025-32186	RED TANK 28 FEDERAL 009	POGO PRODUCING CO					
30-025-35429	RED TANK 33 FEDERAL 001A	POGO PRODUCING CO					
30-025-36548	RED TANK 33 FEDERAL 002	POGO PRODUCING CO					
30-025-36550	RED TANK 33 FEDERAL 003	POGO PRODUCING CO					
30-025-36551	RED TANK 33 FEDERAL 004	POGO PRODUCING CO					
30-025-36266	RED TANK 33 FEDERAL 006	POGO PRODUCING CO					

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-36269	RED TANK 33 FEDERAL 007	POGO PRODUCING CO					
30-025-31720	RED TANK 34 FEDERAL 001	POGO PRODUCING CO	152,139	1,018,131	212,785		3/1993
30-025-31932	RED TANK 34 FEDERAL 002	OXY USA INC	128,435	109,976	1,376,749		11/1993
30-025-31951	RED TANK 34 FEDERAL 003	OXY USA INC	154,890	137,101	265,152		3/1994
30-025-32136	RED TANK 34 FEDERAL 004	OXY USA INC	69,188	90,168	1,056,939		2/1994
30-025-32359	RED TANK 34 FEDERAL 005	POGO PRODUCING CO					
30-025-35941	RED TANK 34 FEDERAL 007	OXY USA INC	20,268	23,925	176,340		10/2003
30-025-32325	RED TANK 34 FEDERAL 007	POGO PRODUCING CO					
30-025-35834	RED TANK 34 FEDERAL 012	OXY USA INC	30,477	40,326	176,793		5/2002
30-025-32494	RED TANK 34 FEDERAL 012	POGO PRODUCING CO					
30-025-32761	RED TANK 34 FEDERAL 013	OXY USA INC	162,263	154,691	617,868		1/1995
30-025-32655	RED TANK 34 FEDERAL 014	OXY USA INC	113,254	235,063	484,726		10/1994
30-025-32912	RED TANK 34 FEDERAL 015	OXY USA INC	70,255	107,743	688,750		8/1995
30-025-32336	RED TANK 35 FEDERAL 001	OXY USA INC	84,067	60,809	471,520		2/1994
30-025-36372	RED TANK 35 FEDERAL 002	OXY USA INC	7,918	5,746	85,709		12/2003
30-025-32469	RED TANK FEDERAL 001	EOG RESOURCES INC	69,518	166,110	332,298		5/1994
30-025-32507	RED TANK FEDERAL 003	EOG RESOURCES INC	36,460	104,384	386,399		6/1994
30-025-32528	RED TANK FEDERAL 004	EOG RESOURCES INC	69,135	141,783	323,861		7/1994
30-025-32539	RED TANK FEDERAL 005	EOG RESOURCES INC	77,942	262,127	319,112		7/1994
30-025-08113	RED TANK FEDERAL 2SWD	EOG RESOURCES INC				3,985,780	
30-025-32545	RED TANK FEDERAL 7	EOG RESOURCES INC	174,462	453,035	40,628		10/1994
30-025-08110	RED TANK UNIT-FED 2 1	TRIGG JOHN H					
30-025-32764	REDCHECKER 14 FEDERA 001	SUNSET WELL SERVICE INC	51,421	109,904	66,169		2/1995
30-025-32765	REDCHECKER 14 FEDERA 002	EOG RESOURCES INC	114,547	279,709	60,865		2/1995
30-015-28902	REMUDA BASIN 19 FEDE 001	XTO ENERGY, INC	114,393	502,485	251,533		5/1996
30-015-28901	REMUDA BASIN 19 FEDE 002	XTO ENERGY, INC	11,523	32,530	74,012	1,815,529	5/1996
30-015-32224	REMUDA BASIN 19 FEDE 003	CHEVRON U S A INC					
30-015-32225	REMUDA BASIN 19 FEDE 004	CHEVRON U S A INC	25,190	176,812	136,394		5/2002
30-015-28398	REMUDA BASIN 19 FEE 001	XTO ENERGY, INC	99,340	781,277	270,680		3/1996
30-015-35104	REMUDA BASIN 19 STAT 006	BEPCO, LP					
30-015-29549	REMUDA BASIN 20 FEDE 001	DEVON ENERGY PRODUCTION CO	3,173	14,090	67,605	262,342	7/1997
30-015-35006	REMUDA BASIN 30 STAT 012	BEPCO, LP					
30-015-31774	REMUDA BASIN 31 STAT 001	BEPCO, LP		256,929	1,328		
30-015-31316	REMUDA BASIN 31 STAT 002	BEPCO, LP					
30-015-28422	REMUDA BASIN STATE 001	XTO ENERGY, INC	82,435	617,957	291,340		3/1996
30-015-28400	REMUDA BASIN STATE 002	XTO ENERGY, INC	82,339	668,683	325,306		3/1996
30-015-28401	REMUDA BASIN STATE 003	TEXACO EXPLORATION & PRODUCTI	100,649	92,200	422,411		10/1995
30-015-28420	REMUDA BASIN STATE 004	XTO ENERGY, INC	66,146	544,146	302,431		10/1995
30-015-31335	REMUDA BASIN STATE 005Q	XTO ENERGY, INC	22,789	212,492	196,393		2/2001
30-015-28351	REMUDA BASIN STATE 009	TEXACO EXPLORATION & PRODUCTI	21,235	28,566	414,951		1/2000
30-015-30794	REMUDA BASIN STATE 010	CHEVRON U S A INC	30,645	43,677	258,761		1/2000
30-015-31000	REMUDA BASIN STATE 011A	TEXACO EXPLORATION & PRODUCTI	42,605	66,703	252,374		6/2000
30-015-31402	REMUDA BASIN STATE 013	TEXACO EXPLORATION & PRODUCTI	4,398	9,073	71,667		2/2001
30-025-02612	RICHARDS 1	CULBERTSON&IRWIN INC					
30-025-08112	RICHARDSON-BSSATE AQ 1	PRE-ONGARD WELL OPERATOR					
30-025-37646	ROCK RIDGE 29 FEDERA 001	DEVON ENERGY PRODUCTION CO	9,168	9,328	62,609		8/2006
30-025-31227	ROSEMARY AJB FEDERAL 001	YATES PETROLEUM CORP	49,792	44,721	1,173,881		6/1991
30-025-32108	SAFFRON AON STATE 001	YATES PETROLEUM CORP	4,064	121	184,175		12/1993
30-015-26626	SALOMEH 001	CLACO OIL CO	67,170	492	529,464		5/1991
30-025-27492	SALT LAKE SOUTH DEEP 001	CHEVRON MIDCONTINENT, L.P.	16,391	2,954,191	16,421		8/1982
30-025-24663	SALT LAKE SOUTH UNT 1	PRE-ONGARD WELL OPERATOR					
30-025-02618	SAN SIMON UNIT 1	PRE-ONGARD WELL OPERATOR					
30-025-33049	SAND '18' FEDERAL 2	TEXACO EXPLORATION & PRODUCTION					
30-025-25017	SAND 18 FEDERAL 001	TEXACO EXPLORATION & PRODUCTI	82,349	339,302	16,935		8/1975
30-015-26194	SAND DUNES '28' FED 1	OXY USA INC				4,762,060	
30-015-27255	SAND DUNES 34 FEDERA 001	OXY USA INC	56,111	255,754	100,017		2/1993
30-015-27239	SAND DUNES 34 FEDERA 002	OXY USA INC	68,803	273,096	332,710		1/1993
30-015-27240	SAND DUNES 34 FEDERA 003	OXY USA INC	33,939	217,776	97,008		5/1994
30-015-27268	SAND DUNES 34 FEDERA 004	POGO PRODUCING CO	45,629	295,640	205,518		11/1993
30-015-27498	SAND DUNES 34 FEDERA 005	OXY USA INC	67,323	283,109	102,629		12/1993
30-015-27499	SAND DUNES 34 FEDERA 006	OXY USA INC	64,494	324,805	70,897		10/1994
30-015-27500	SAND DUNES 34 FEDERA 007	OXY USA INC	60,067	390,794	70,546		12/1994

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-27548	SAND DUNES 34 FEDERA 008	OXY USA INC	126,443	359,993	315,458		9/1994
30-015-35534	SANDY FEDERAL 003	BOLD ENERGY, L.P.					
30-015-35535	SANDY FEDERAL 005	BOLD ENERGY, L.P.					
30-015-35538	SANDY FEDERAL 006	BOLD ENERGY, L.P.					
30-515-04732	SANDY UNIT 001	PHILLIPS PETROLEUM CO	65	613,737			2/1975
30-015-21126	SANDY UNIT 1	PHILLIPS PETROLEUM CO	4,707	613,737	29,022		2/1975
30-015-24232	SCL FEDERAL 002	OXY USA INC		1,413	433		
30-015-23655	SCL FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-32908	SDE '19' FEDERAL 3	XTO ENERGY, INC	49,382	204,064	196,454		5/1995
30-025-32868	SDE '31' FEDERAL WD-9	XTO ENERGY, INC	4,755	27,317	24,110	1,444,061	4/1995
30-025-25622	SDE 18 FEDERAL 001	STRATA PRODUCTION CO	45,540	324,311	131,388		1/1980
30-525-08803	SDE 18 FEDERAL 001	TEXACO EXPLORATION &	17,681	145,168	2,511		1/1980
30-025-32669	SDE 18 FEDERAL 002	CHEVRON U S A INC	311	3,564	6,787		1/1995
30-025-32909	SDE 19 FEDERAL 004	XTO ENERGY, INC	30,708	228,706	167,070		7/1995
30-025-38130	SDE 19 FEDERAL 005	XTO ENERGY, INC	926	1,102	21,311		11/2007
30-025-32676	SDE 31 FEDERAL 001	XTO ENERGY, INC	67,588	149,070	179,082		3/1995
30-025-32701	SDE 31 FEDERAL 002	XTO ENERGY, INC	119,634	613,088	315,397		11/1994
30-025-32716	SDE 31 FEDERAL 004	XTO ENERGY, INC	89,387	950,109	68,342		2/1995
30-025-32717	SDE 31 FEDERAL 005	CHEVRON U S A INC	26,298	215,530	8,230		4/1995
30-025-32867	SDE 31 FEDERAL 008	XTO ENERGY, INC	75,557	555,222	108,625		5/1995
30-025-32916	SDE 31 FEDERAL 014	XTO ENERGY, INC	114,623	498,885	310,965		6/1995
30-025-32917	SDE 31 FEDERAL 015	XTO ENERGY, INC	60,417	221,492	178,238		2/1997
30-025-38088	SDE 31 FEDERAL 017	XTO ENERGY, INC	2,777	30,643	37,385		6/2007
30-025-33054	SHARBRO FEDERAL 001	TEXAS REEXPLORATION OPER	36,174	266,564	19,653		12/1995
30-025-34867	SHARBRO FEDERAL 002	TEXAS REEXPLORATION OPER	60,076	88,488	323,396		3/2000
30-025-34868	SHARBRO FEDERAL 003	TEXAS REEXPLORATION OPER	60,701	112,007	333,052		4/2000
30-025-34961	SHARBRO FEDERAL 004	TEXAS REEXPLORATION OPER	22,032	58,425	179,866		8/2000
30-025-34962	SHARBRO FEDERAL 005	TEXAS REEXPLORATION OPER	52,107	78,344	507,718		6/2000
30-025-35048	SHARBRO FEDERAL 006	TEXAS REEXPLORATION OPER	35,734	52,533	459,060		9/2000
30-025-35144	SHARBRO FEDERAL 007	TEXAS REEXPLORATION OPER	34,367	48,840	225,419		11/2000
30-025-35154	SHARBRO FEDERAL 008	TEXAS REEXPLORATION OPER	13,721	35,564	252,365		11/2000
30-525-07571	SHELL STATE 001	STRATA PRODUCTION CO	18,340		15,543		7/1992
30-025-32671	SHELL STATE 002	STRATA PRODUCTION CO	112,200	181,267	256,540		1/1995
30-025-33246	SHELL STATE 003	OXY USA INC	83,334	208,398	196,824		9/1996
30-025-34879	SHELL STATE 004	OXY USA INC	21,752	39,667	217,914		4/2000
30-025-35235	SHELL STATE 006	OXY USA INC	8,350	40,647	165,914		12/2000
30-025-02607	SHEPHERD 1	PRE-ONGARD WELL OPERATOR					
30-025-02606	SHEPHERD 1	PRE-ONGARD WELL OPERATOR					
30-025-32093	SILVERTON '31' FEDE 1	ECHO PRODUCTION INC				541,102	
30-015-05840	STATE 'AA-2' WD-1	FOREST OIL CORPORATION				8,315,711	
30-025-27136	STATE 'IG' COM 1	AMOCO PRODUCTION CO	106,473	162,888	894,812		10/1983
30-015-26894	STATE 2 001	OXY USA INC	93,218	159,620	308,050		2/1992
30-015-35678	STATE 2 001	REEF EXPLORATION, L.P.	450	511	19,146		10/2007
30-015-28416	STATE 2 002	OXY USA INC	218,687	271,589	137,488		5/1995
30-015-35674	STATE 2 002	REEF EXPLORATION, L.P.	471	651	31,554		11/2007
30-015-26877	STATE 2 003	OXY USA INC	106,931	172,295	224,003		2/1992
30-015-35675	STATE 2 003	REEF EXPLORATION, L.P.	641	1,004	27,978		11/2007
30-015-28456	STATE 2 004	OXY USA INC	57,556	123,528	143,163		5/1995
30-015-35676	STATE 2 004	REEF EXPLORATION, L.P.	1,437	1,445	28,032		11/2007
30-015-32440	STATE 2 005	OXY USA INC				1,360,005	
30-015-35677	STATE 2 005	REEF EXPLORATION, L.P.	805	1,386	22,616		1/2008
30-015-35748	STATE 2 007	REEF EXPLORATION, L.P.					
30-015-35749	STATE 2 008	REEF EXPLORATION, L.P.	168	260	14,330		1/2008
30-015-35750	STATE 2 009	REEF EXPLORATION, L.P.	344	429	17,227		2/2008
30-025-37176	STATE IG 002	HARVARD PETROLEUM CO, LLC	13,567	22,834	121,424		7/2005
30-025-20407	STECHER 1	PRE-ONGARD WELL OPERATOR					
30-015-33975	STERLING SILVER 33 D 009	OXY USA INC		159,186			
30-015-25639	STERLING SILVER 33 F 001	DEVON ENERGY PRODUCTION CO	437	6,047,305	2,872		6/1990
30-015-25696	STERLING SILVER 33 F 002	OXY USA INC	45	2,259,524	2,061		1/2000
30-015-27425	STERLING SILVER 33 F 003	OXY USA INC	69,154	401,635	70,561		6/1993
30-015-27519	STERLING SILVER 33 F 004	OXY USA INC	66,056	416,975	74,836		8/1993
30-015-27424	STERLING SILVER 33 F 005	OXY USA INC	57,691	357,758	74,945		7/1993

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30-015-27812	STERLING SILVER 33 F 006	OXY USA INC	55,139	206,702	101,284		10/1994
30-015-27588	STERLING SILVER 33 F 007	OXY USA INC	68,575	379,928	76,680		10/1993
30-015-27601	STERLING SILVER 33 F 008	OXY USA INC	54,784	149,984	247,939		10/1993
30-015-27550	STERLING SILVER 33 F 010	OXY USA INC	50,973	226,721	76,554		1/1994
30-015-27611	STERLING SILVER 33 F 011	OXY USA INC	56,718	302,333	59,183		10/1993
30-015-34943	STERLING SILVER 33 F 012	OXY USA INC	6,571	35,560	321		8/2006
30-015-33259	STERLING SILVER 33 F 012Q	POGO PRODUCING CO					
30-015-27552	STERLING SILVER 33 F 014	OXY USA INC	62,405	289,296	100,252		10/1993
30-015-29275	STERLING SILVER 33 F 015	OXY USA INC	60,646	219,853	152,377		1/1997
30-015-31091	STERLING SILVER 33 F 016	OXY USA INC	36,590	229,884	47,281		6/2000
30-015-31644	STERLING SILVER 33 F 017	POGO PRODUCING CO					
30-015-33892	STERLING SILVER 33 F 017T	OXY USA INC	13,006	66,988	31,320		1/2006
30-015-32767	STERLING SILVER 33 F 018	OXY USA INC	15,560	46,668	34,389		11/2003
30-015-35080	STERLING SILVER 33 F 019	OXY USA INC					
30-015-25773	STERLING SILVER 34 F 001	OXY USA INC	31	842,917	712		1/2000
30-015-27936	STERLING SILVER 34 F 002	OXY USA INC	103,054	250,082	241,248		8/1994
30-015-27937	STERLING SILVER 34 F 003	OXY USA INC	128,301	257,073	269,361		11/1994
30-015-31092	STERLING SILVER 34 F 004	OXY USA INC	38,742	74,845	163,595		1/2002
30-015-28240	STERLING SILVER 34 F 005	OXY USA INC	42,026	119,075	204,929		3/1995
30-015-28239	STERLING SILVER 34 F 006	OXY USA INC	72,784	171,842	179,465		1/1995
30-015-31248	STERLING SILVER 34 F 007	OXY USA INC	22,405	86,216	48,393		1/2001
30-015-31093	STERLING SILVER 34 F 008	OXY USA INC	17,273	95,064	31,173		1/2002
30-015-25866	STERLING SILVER 32' 1	YATES PETROLEUM CORP					
30-025-30030	SUN FEDERAL 1	WILSON OPERATING CO INC	89,879	305,877	168,246		8/1992
30-025-08106	TEXACO-WEAVER 1	PRE-ONGARD WELL OPERATOR					
30-025-33370	THYME APY FEDERAL 001	LIME ROCK RESOURCES A, L.P.	49,817	325,339	13,589		5/1996
30-025-33529	THYME APY FEDERAL 002	LIME ROCK RESOURCES A, L.P.	24,124	113,266	20,554		10/1996
30-025-33530	THYME APY FEDERAL 003	LIME ROCK RESOURCES A, L.P.	31,198	197,391	144,358		8/1996
30-025-36192	THYME APY FEDERAL 011	LIME ROCK RESOURCES A, L.P.	10,666	31,716	19,686		8/2003
30-015-21127	TODD /25/ FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-21211	TODD /25/ FEDERAL 1-Y	PRE-ONGARD WELL OPERATOR					
30-015-33379	TODD 10 O FEDERAL 015	DEVON ENERGY PRODUCTION CO					
30-015-32692	TODD 10 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	26,444	61,053	203,718		8/2004
30-015-28903	TODD 13 A FEDERAL #0 001	DEVON ENERGY PRODUCTION CO					
30-015-28904	TODD 13 B FEDERAL 002	DEVON ENERGY PRODUCTION CO	7,509	22,708	59,956	563,655	5/1997
30-015-32632	TODD 13 E FEDERAL 026	DEVON ENERGY PRODUCTION CO	50,449	112,385	264,204		2/2003
30-015-31879	TODD 13 F FEDERAL 027	DEVON ENERGY PRODUCTION CO	21,737	61,421	296,535		12/2001
30-015-31514	TODD 13 G FEDERAL 021	DEVON ENERGY PRODUCTION CO	24,426	89,842	167,476		10/2001
30-015-28646	TODD 13 H FEDERAL 008	DEVON ENERGY PRODUCTION CO	66,395	340,981	128,587		4/1996
30-015-28647	TODD 13 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	169,739	334,638	357,820		11/1995
30-015-27858	TODD 13 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	182,981	355,989	518,165		6/1995
30-015-27859	TODD 13 K FEDERAL 011	DEVON ENERGY PRODUCTION CO	95,591	142,168	517,609		5/1995
30-015-32624	TODD 13 L FEDERAL 012	DEVON ENERGY PRODUCTION CO	45,262	122,011	239,401		2/2003
30-015-32015	TODD 13 M FEDERAL 031	DEVON ENERGY PRODUCTION CO	33,566	126,505	214,284		9/2003
30-015-27860	TODD 13 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	118,652	270,259	593,011		5/1995
30-015-27716	TODD 13 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	267,699	472,380	422,410		3/1995
30-015-28648	TODD 13 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	89,531	266,901	574,988		12/1995
30-015-32866	TODD 14 A FEDERAL 002	DEVON ENERGY PRODUCTION CO	22,713	59,934	154,269		9/2003
30-015-32777	TODD 14 B FEDERAL 003	DEVON ENERGY PRODUCTION CO	25,958	69,897	168,086		7/2003
30-015-33313	TODD 14 E FEDERAL 005	DEVON ENERGY PRODUCTION CO					
30-015-33374	TODD 14 F FEDERAL 006	DEVON ENERGY PRODUCTION CO					
30-015-31115	TODD 14 FEDERAL 011	TEXAS AMERICAN OIL CORPORATION		133,218			
30-015-33213	TODD 14 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	21,484	49,688	129,901		7/2004
30-015-33375	TODD 14 H FEDERAL 008	DEVON ENERGY PRODUCTION CO					
30-015-34303	TODD 14 H FEDERAL 008	DEVON ENERGY PRODUCTION CO	33,786	124,824	67,345		11/2005
30-015-32152	TODD 14 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	124,759	207,105	148,550		1/2002
30-015-32625	TODD 14 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	84,651	160,043	145,448		12/2002
30-015-20298	TODD 14 K FEDERAL 001	DEVON ENERGY PRODUCTION CO	59,446	220,737	103,997		2/1999
30-015-32626	TODD 14 L FEDERAL #0 012	DEVON ENERGY PRODUCTION CO					
30-015-32627	TODD 14 M FEDERAL #0 013	DEVON ENERGY PRODUCTION CO					
30-015-32628	TODD 14 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	40,845	75,445	249,726		2/2003
30-015-32153	TODD 14 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	55,638	144,861	64,236		1/2002

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API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-015-31884	TODD 14 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	105,077	279,293	113,994		12/2001
30-015-32764	TODD 15 A FEDERAL #0 001	DEVON ENERGY PRODUCTION CO					
30-015-33104	TODD 15 B FEDERAL #0 002	DEVON ENERGY PRODUCTION CO	8,727	35,136	98,987		7/2005
30-015-32765	TODD 15 C FEDERAL 003	DEVON ENERGY PRODUCTION CO	43,452	67,784	226,571		4/2004
30-015-27643	TODD 15 D FEDERAL 004	DEVON ENERGY PRODUCTION CO					
30-015-33252	TODD 15 D FEDERAL 004Q	DEVON ENERGY PRODUCTION CO	7,956	33,717	169,303		7/2005
30-015-33143	TODD 15 E FEDERAL 005	DEVON ENERGY PRODUCTION CO	22,692	65,628	194,430		5/2004
30-015-33105	TODD 15 F FEDERAL #0 006	DEVON ENERGY PRODUCTION CO	19,136	53,658	141,916		3/2005
30-015-32659	TODD 15 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	38,922	109,654	228,517		10/2003
30-015-32727	TODD 15 H FEDERAL #0 008	DEVON ENERGY PRODUCTION CO					
30-015-34301	TODD 15 H FEDERAL 008	DEVON ENERGY PRODUCTION CO					
30-015-32949	TODD 15 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	28,915	68,596	126,050		7/2004
30-015-33106	TODD 15 J FEDERAL #0 010	DEVON ENERGY PRODUCTION CO	25,380	59,983	100,935		1/2005
30-015-32154	TODD 15 K FEDERAL 011	DEVON ENERGY PRODUCTION CO	37,891	77,285	237,757		12/2003
30-015-33117	TODD 15 L FEDERAL #0 012Q	DEVON ENERGY PRODUCTION CO	39,942	81,769	107,442		12/2004
30-015-33118	TODD 15 M FEDERAL #0 013	DEVON ENERGY PRODUCTION CO	87,957	88,527	120,739		10/2004
30-015-32733	TODD 15 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	119,895	148,329	193,306		9/2003
30-015-32879	TODD 15 O FEDERAL #0 015	DEVON ENERGY PRODUCTION CO	20,963	50,573	102,567		9/2004
30-015-32728	TODD 15 P FEDERAL #0 016	DEVON ENERGY PRODUCTION CO					
30-015-34304	TODD 15 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	12,131	16,821	46,671		1/2007
30-015-32693	TODD 22 A FEDERAL 001	DEVON ENERGY PRODUCTION CO					
30-015-34302	TODD 22 A FEDERAL 001	DEVON ENERGY PRODUCTION CO					
30-015-32203	TODD 22 B FEDERAL 002	DEVON ENERGY PRODUCTION CO	40,748	87,588	138,557		7/2003
30-015-33120	TODD 22 C FEDERAL 003	DEVON ENERGY PRODUCTION CO	48,696	94,405	222,490		1/2004
30-015-32880	TODD 22 D FEDERAL 004	DEVON ENERGY PRODUCTION CO	87,916	123,529	176,762		1/2004
30-015-33126	TODD 22 E FEDERAL #0 005	DEVON ENERGY PRODUCTION CO	153,286	133,060	138,963		1/2005
30-015-32660	TODD 22 F FEDERAL 006	DEVON ENERGY PRODUCTION CO	43,242	114,498	171,676		12/2003
30-015-32881	TODD 22 G FEDERAL #0 007	DEVON ENERGY PRODUCTION CO	36,695	76,177	145,244		10/2004
30-015-32729	TODD 22 H FEDERAL 008	DEVON ENERGY PRODUCTION CO	42,329	85,132	191,876		11/2003
30-015-32730	TODD 22 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	18,477	61,045	104,030		3/2005
30-015-32731	TODD 22 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	36,023	87,913	111,777		4/2004
30-015-33107	TODD 22 K FEDERAL #0 011	DEVON ENERGY PRODUCTION CO	35,349	60,619	81,894		5/2005
30-015-33135	TODD 22 L FEDERAL 012	DEVON ENERGY PRODUCTION CO	47,302	94,509	136,435		6/2004
30-015-33119	TODD 22 M FEDERAL #0 013	DEVON ENERGY PRODUCTION CO	49,011	77,831	139,947		11/2004
30-015-32734	TODD 22 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	23,889	84,271	177,440		12/2003
30-015-33108	TODD 22 O FEDERAL #0 015	DEVON ENERGY PRODUCTION CO	48,216	80,595	133,928		6/2005
30-015-32735	TODD 22 P FEDERAL #0 016	DEVON ENERGY PRODUCTION CO	39,761	87,127	115,720		8/2004
30-015-31881	TODD 23 A FEDERAL 029	DEVON ENERGY PRODUCTION CO	77,405	227,700	138,575		10/2001
30-015-35076	TODD 23 A FEDERAL 038	DEVON ENERGY PRODUCTION CO	11	468,875	567		4/2007
30-015-32155	TODD 23 B FEDERAL 030	DEVON ENERGY PRODUCTION CO	59,585	101,236	145,881		1/2002
30-015-32629	TODD 23 C FEDERAL 018	DEVON ENERGY PRODUCTION CO	52,088	139,349	197,728		2/2003
30-015-32630	TODD 23 D FEDERAL #0 019	DEVON ENERGY PRODUCTION CO					
30-015-32631	TODD 23 E FEDERAL #0 020	DEVON ENERGY PRODUCTION CO					
30-015-33948	TODD 23 E FEDERAL 020T	DEVON ENERGY PRODUCTION CO	6,572	24,744	25,221		7/2005
30-015-31882	TODD 23 F FEDERAL 031	DEVON ENERGY PRODUCTION CO	66,816	157,401	131,290		11/2001
30-015-32018	TODD 23 G FEDERAL 032	DEVON ENERGY PRODUCTION CO	52,422	115,277	192,740		1/2002
30-015-28182	TODD 23 H FEDERAL 006	DEVON ENERGY PRODUCTION CO	94,527	329,551	258,141		3/1995
30-015-26928	TODD 23 I FEDERAL 004	DEVON ENERGY PRODUCTION CO	153,988	420,529	225,037		4/1992
30-015-28766	TODD 23 I FEDERAL 016	DEVON ENERGY PRODUCTION CO	74,095	112,786	174,262		3/1996
30-015-22473	TODD 23 J FEDERAL 002	DEVON ENERGY PRODUCTION CO	56,860	27,635	66,799		1/1979
30-015-24257	TODD 23 J FEDERAL 003	DEVON ENERGY PRODUCTION CO	140	351,704			1/1984
30-015-27384	TODD 23 J FEDERAL 014	TEXAS AMERICAN OIL CORPORATION	133,748	736,794	329,585		7/1983
30-015-32019	TODD 23 K FEDERAL 034	DEVON ENERGY PRODUCTION CO	44,340	89,854	151,337		6/2003
30-015-35034	TODD 23 L FEDERAL 021	DEVON ENERGY PRODUCTION CO	19,737	26,253	36,575		1/2007
30-015-32800	TODD 23 M FEDERAL #0 022	DEVON ENERGY PRODUCTION CO	29,303	65,995	68,737		5/2006
30-015-32020	TODD 23 N FEDERAL 035	DEVON ENERGY PRODUCTION CO	28,465	68,473	103,502		11/2003
30-015-20796	TODD 23 O FEDERAL 001	DEVON ENERGY PRODUCTION CO	162,182	42,476	136,383		3/1973
30-015-27387	TODD 23 O FEDERAL 005	DEVON ENERGY PRODUCTION CO	70,158	297,381	283,418		10/1993
30-015-27729	TODD 23 P FEDERAL 008	DEVON ENERGY PRODUCTION CO	121,039	496,641	177,222		1/1994
30-015-28342	TODD 23 P FEDERAL 015	DEVON ENERGY PRODUCTION CO	89,786	138,353	106,496		2/1996
30-015-28649	TODD 24 A FEDERAL 001	DEVON ENERGY PRODUCTION CO	167,274	403,443	438,906		4/1996
30-015-27691	TODD 24 B FEDERAL 002	DEVON ENERGY PRODUCTION CO	98,401	304,988	323,137		10/1994

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30-015-27692	TODD 24 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	61,147	264,889	425,738		8/1995
30-015-27693	TODD 24 H FEDERAL 008	DEVON ENERGY PRODUCTION CO	131,007	312,074	427,072		2/1997
30-015-27694	TODD 24 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	19,588	66,648	358,666		3/1997
30-015-27709	TODD 24 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	102,382	260,140	490,529		6/1996
30-015-27718	TODD 24 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	144,556	288,643	400,486		8/1996
30-015-27695	TODD 24 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	66,149	184,234	574,991		6/1997
30-015-27696	TODD 25 A FEDERAL 001	DEVON ENERGY PRODUCTION CO	54,269	139,536	559,567		9/1997
30-015-27705	TODD 25 B FEDERAL 002	DEVON ENERGY PRODUCTION CO	113,863	200,152	301,872		12/1996
30-015-27706	TODD 25 C FEDERAL 003	DEVON ENERGY PRODUCTION CO	67,161	233,855	322,573		1/1994
30-015-27382	TODD 25 D FED 004	DEVON ENERGY PRODUCTION CO	126,220	317,906	357,560		10/1993
30-015-27383	TODD 25 E FEDERAL 005	DEVON ENERGY PRODUCTION CO	118,830	344,188	338,741		10/1993
30-015-27707	TODD 25 F FEDERAL 006	DEVON ENERGY PRODUCTION CO	40,520	175,403	413,677		9/1996
30-015-21229	TODD 25 FEDERAL 001Z	DEVON ENERGY PRODUCTION CO		692,569	30		
30-015-27708	TODD 25 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	76,178	164,643	308,878		2/1997
30-015-28805	TODD 25 H FEDERAL 008	DEVON ENERGY PRODUCTION CO	17,722	86,322	87,856		6/1997
30-015-28807	TODD 25 I FEDERAL 009	DEVON ENERGY PRODUCTION CO	24,663	120,058	173,726		1/1998
30-015-28806	TODD 25 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	45,675	140,106	391,192		1/1997
30-015-27710	TODD 25 K FEDERAL 011	DEVON ENERGY PRODUCTION CO	49,441	151,630	558,683		7/1996
30-015-27385	TODD 25 L FEDERAL 012	DEVON ENERGY PRODUCTION CO	154,244	341,506	400,505		10/1993
30-015-27386	TODD 25 M FEDERAL 013	DEVON ENERGY PRODUCTION CO	73,156	257,103	540,198		12/1993
30-015-28859	TODD 25 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	35,158	95,753	717,081		6/1996
30-015-28860	TODD 25 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	82,219	189,591	301,704		3/1997
30-015-28817	TODD 25 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	25,797	36,568	191,707		6/1997
30-015-21224	TODD 26 A FEDERAL 006	DEVON ENERGY PRODUCTION CO	10,916	11,099	26,240		11/1974
30-015-27103	TODD 26 A FEDERAL 011	DEVON ENERGY PRODUCTION CO	196,838	484,159	254,585		11/1992
30-015-20599	TODD 26 B FEDERAL 004	DEVON ENERGY PRODUCTION CO	200,223	128,791	188,396		1/1973
30-015-27374	TODD 26 B FEDERAL 022	DEVON ENERGY PRODUCTION CO	54,008	340,417	113,391		1/1994
30-015-35077	TODD 26 D FEDERAL 023	DEVON ENERGY PRODUCTION CO	22,500	42,654	28,627		12/2006
30-015-33113	TODD 26 E FEDERAL 018	DEVON ENERGY PRODUCTION CO	24,643	68,696	76,966		3/2004
30-015-20242	TODD 26 G FEDERAL 001	DEVON ENERGY PRODUCTION CO		22,492,549	3,141,423		
30-015-20277	TODD 26 G FEDERAL 002	DEVON ENERGY PRODUCTION CO				4,368,066	
30-015-27101	TODD 26 G FEDERAL 008	DEVON ENERGY PRODUCTION CO	187,666	424,677	407,200		2/1970
30-015-27198	TODD 26 H FEDERAL 019	DEVON ENERGY PRODUCTION CO	169,874	445,502	328,214		6/1993
30-015-27199	TODD 26 I FEDERAL 020	DEVON ENERGY PRODUCTION CO	129,065	401,006	279,118		9/1993
30-015-20986	TODD 26 J FEDERAL 005	DEVON ENERGY PRODUCTION CO	216,354	80,286	462,252		3/1974
30-015-27200	TODD 26 J FEDERAL 021	DEVON ENERGY PRODUCTION CO	68,459	313,169	104,718		5/1993
30-015-27102	TODD 26 K FEDERAL 010	DEVON ENERGY PRODUCTION CO	71,791	326,360	105,786		12/1992
30-015-27075	TODD 26 M FEDERAL 009	DEVON ENERGY PRODUCTION CO	67,021	303,786	72,871		10/1992
30-015-27104	TODD 26 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	67,475	307,997	143,586		2/1993
30-015-21431	TODD 26 O FEDERAL 007	DEVON ENERGY PRODUCTION CO	47,075	51,050	206,473		4/1975
30-015-27105	TODD 26 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	61,015	261,642	334,528		2/1993
30-015-27134	TODD 26 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	113,466	378,691	409,096		4/1993
30-015-35515	TODD 27 A FEDERAL 001	DEVON ENERGY PRODUCTION CO					
30-015-35504	TODD 27 B FEDERAL 002	DEVON ENERGY PRODUCTION CO	14,527	46,781	12,138		5/2007
30-015-35516	TODD 27 C FEDERAL 003	DEVON ENERGY PRODUCTION CO					
30-015-35425	TODD 27 D FEDERAL 004	DEVON ENERGY PRODUCTION CO	12,158	21,140	16,595		4/2007
30-015-35517	TODD 27 E FEDERAL 005	DEVON ENERGY PRODUCTION CO	3,587	6,569	10,444		1/2008
30-015-35518	TODD 27 F FEDERAL 006	DEVON ENERGY PRODUCTION CO	23,843	32,755	35,591		7/2007
30-015-35519	TODD 27 G FEDERAL 007	DEVON ENERGY PRODUCTION CO	5,951	11,986	8,492		1/2008
30-015-35520	TODD 27 H FEDERAL 008	DEVON ENERGY PRODUCTION CO					
30-015-35521	TODD 27 I FEDERAL 009	DEVON ENERGY PRODUCTION CO					
30-015-34430	TODD 27 J FEDERAL 010	DEVON ENERGY PRODUCTION CO	35,347	114,048	45,741		3/2006
30-015-34431	TODD 27 K FEDERAL 011	DEVON ENERGY PRODUCTION CO	22,098	56,726	63,827		5/2006
30-015-27884	TODD 27 L A FEDERAL 012	DEVON ENERGY PRODUCTION CO	51,843	178,836	88,893		10/1994
30-015-27711	TODD 27 M FEDERAL 013	DEVON ENERGY PRODUCTION CO	53,183	210,688	66,014		1/1994
30-015-34186	TODD 27 N FEDERAL 014	DEVON ENERGY PRODUCTION CO	38,840	56,581	103,504		9/2005
30-015-27511	TODD 27 O FEDERAL #0 015	DEVON ENERGY PRODUCTION CO					
30-015-34432	TODD 27 O FEDERAL 015	DEVON ENERGY PRODUCTION CO	24,501	41,336	69,355		3/2006
30-015-27106	TODD 27 P FEDERAL 016	DEVON ENERGY PRODUCTION CO	34,484	115,215	34,727	5,450,383	1/1993
30-015-29294	TODD 36 A STATE 016	DEVON ENERGY PRODUCTION CO	32,046	115,828	57,732		9/1997
30-015-29102	TODD 36 B STATE 015	DEVON ENERGY PRODUCTION CO	68,481	165,904	413,710		10/1996
30-015-28522	TODD 36 C STATE 007	DEVON ENERGY PRODUCTION CO	91,707	220,243	482,693		12/1995

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30-015-27365	TODD 36 D STATE 002	DEVON ENERGY PRODUCTION CO	74,783	190,584	775,496		8/1993
30-015-28005	TODD 36 E STATE 003	DEVON ENERGY PRODUCTION CO	77,639	194,938	461,097		10/1994
30-015-28520	TODD 36 F STATE 006	DEVON ENERGY PRODUCTION CO	71,709	167,833	911,960		1/1996
30-015-29292	TODD 36 G STATE 008	DEVON ENERGY PRODUCTION CO	70,037	143,589	555,738		5/1997
30-015-29293	TODD 36 H STATE 017	DEVON ENERGY PRODUCTION CO	55,991	131,308	232,460		10/1997
30-015-29406	TODD 36 I STATE 018	DEVON ENERGY PRODUCTION CO	67,603	215,658	100,826		11/1997
30-015-29404	TODD 36 J STATE 009	DEVON ENERGY PRODUCTION CO	50,953	107,697	320,517		7/1997
30-015-28521	TODD 36 K STATE 005	DEVON ENERGY PRODUCTION CO	92,281	171,175	485,963		5/1996
30-015-29639	TODD 36 L STATE #020 020	DEVON ENERGY PRODUCTION CO					
30-015-28198	TODD 36 L STATE 004	DEVON ENERGY PRODUCTION CO	133,848	195,493	488,981		4/1995
30-015-28815	TODD 36 M STATE 013	DEVON ENERGY PRODUCTION CO	183,599	257,924	603,250		8/1996
30-015-29640	TODD 36 N STATE #021 021	DEVON ENERGY PRODUCTION CO					
30-015-28762	TODD 36 N STATE 014	DEVON ENERGY PRODUCTION CO	103,166	181,687	465,949		10/1996
30-015-29405	TODD 36 O STATE 010	DEVON ENERGY PRODUCTION CO	84,967	139,044	396,663		8/1997
30-015-29407	TODD 36 P STATE 019	DEVON ENERGY PRODUCTION CO	54,228	121,806	271,132		9/1997
30-015-20341	TODD 36 STATE 001	DEVON ENERGY PRODUCTION CO	1,508	1,787,082	5,247	14,864,536	5/1977
30-015-20302	TODD-FEDERAL 26 WD3	DEVON ENERGY PRODUCTION CO				5,997,730	
30-025-33909	TOMCAT 15 FEDERAL 002	DEVON ENERGY PRODUCTION CO	27,688	31,403	115,765		3/2000
30-025-35524	TOMCAT 15 FEDERAL 003	DEVON ENERGY PRODUCTION CO	7,171	5,391	69,703		7/2001
30-025-33801	TOMCAT 15 FEDERAL CO 001	DEVON ENERGY PRODUCTION CO	972	2,405,588	9,132		11/1997
30-025-34306	TOMCAT 16 STATE 002	DEVON ENERGY PRODUCTION CO	89,180	100,279	117,213		5/1999
30-025-34809	TOMCAT 16 STATE 003	DEVON ENERGY PRODUCTION CO	92,112	109,527	343,193		4/2000
30-025-34810	TOMCAT 16 STATE 004	DEVON ENERGY PRODUCTION CO	54,580	54,198	298,475		10/2000
30-025-34949	TOMCAT 16 STATE 006	DEVON ENERGY PRODUCTION CO	82,833	55,793	75,202		5/2000
30-025-34923	TOMCAT 16 STATE 007	DEVON ENERGY PRODUCTION CO	35,779	71,378	144,413		6/2000
30-025-34924	TOMCAT 16 STATE 008	DEVON ENERGY PRODUCTION CO	29,869	67,990	112,904		6/2000
30-025-35045	TOMCAT 16 STATE 010	DEVON ENERGY PRODUCTION CO	35,936	43,730	292,805		11/2000
30-025-35411	TOMCAT 16 STATE 013	DEVON ENERGY PRODUCTION CO	33,155	58,162	119,521		6/2001
30-025-35210	TOMCAT 17 FEDERAL #0 008	DEVON ENERGY PRODUCTION CO					
30-025-34690	TOMCAT 17 FEDERAL 001	DEVON ENERGY PRODUCTION CO	97,588	146,462	163,315		10/1999
30-025-34691	TOMCAT 17 FEDERAL 002	DEVON ENERGY PRODUCTION CO	64,014	120,356	187,909		7/2000
30-025-34692	TOMCAT 17 FEDERAL 003	DEVON ENERGY PRODUCTION CO	54,538	87,038	249,609		11/1999
30-025-34812	TOMCAT 17 FEDERAL 004	DEVON ENERGY PRODUCTION CO	99,287	131,674	229,235		3/2000
30-025-35069	TOMCAT 17 FEDERAL 005	DEVON ENERGY PRODUCTION CO	28,659	60,009	261,795		1/2001
30-025-35070	TOMCAT 17 FEDERAL 006	DEVON ENERGY PRODUCTION CO	44,680	54,187	186,643		9/2000
30-025-33364	TOMCAT 18 FEDERAL 001	DEVON ENERGY PRODUCTION CO	34,960	340,014	606		6/1996
30-025-34693	TOMCAT 20 FEDERAL 001	DEVON ENERGY PRODUCTION CO	89,114	194,485	208,934		8/2000
30-025-34926	TOMCAT 20 FEDERAL 002	DEVON ENERGY PRODUCTION CO	40,329	74,352	221,320		8/2000
30-025-35145	TOMCAT 20 FEDERAL 003	DEVON ENERGY PRODUCTION CO	121,149	159,910	224,136		1/2001
30-025-35233	TOMCAT 20 FEDERAL 004	DEVON ENERGY PRODUCTION CO	74,845	135,186	234,363		2/2001
30-025-35234	TOMCAT 20 FEDERAL 005	DEVON ENERGY PRODUCTION CO	47,100	123,450	319,817		5/2001
30-025-35525	TOMCAT 20 FEDERAL 006	DEVON ENERGY PRODUCTION CO	48,960	94,878	244,470		6/2001
30-025-37296	TOMCAT 20 FEDERAL 007	DEVON ENERGY PRODUCTION CO	6,900	17,488	64,866		10/2005
30-025-33911	TOMCAT 21 FEDERAL 003	DEVON ENERGY PRODUCTION CO	44,527	84,695	403,110		4/2001
30-025-35103	TOMCAT 21 FEDERAL 004	DEVON ENERGY PRODUCTION CO	83,090	139,725	302,041		12/2000
30-025-35526	TOMCAT 21 FEDERAL 008	DEVON ENERGY PRODUCTION CO	21,154	63,055	483,556		7/2001
30-025-33356	TOMCAT 21 FEDERAL CO 001	DEVON ENERGY PRODUCTION CO	38,872	1,050,544	187,742		1/1997
30-025-35498	TOMCAT 21 FEDERAL CO 005	DEVON ENERGY PRODUCTION CO					
30-025-38367	TOMCAT 8 FEDERAL 001	ROFF OPERATING COMPANY, LLC	1,669		17,205		12/2007
30-025-38342	TOMCAT 9 FEDERAL 001	ROFF OPERATING COMPANY, LLC	3,003		28,432		10/2007
30-025-36336	TORY 3 FEDERAL 001	BEPCO, LP	44,438	482,476	1,051		10/2003
30-025-27478	TRESNOR FEDERAL 001	DEVON ENERGY PRODUCTION CO	112,047	55,811	58,974		8/1982
30-025-32041	TRESNOR FEDERAL 002	DEVON ENERGY PRODUCTION CO	10,374	121,730	1,545		1/1994
30-025-32688	TRESNOR MITCHELL 30 001	DEVON ENERGY PRODUCTION CO	90,461	577,117	242,225		11/1994
30-025-32754	TRESNOR MITCHELL 30 002	DEVON ENERGY PRODUCTION CO	49,558	248,291	82,187		2/1995
30-025-32891	TRESNOR MITCHELL 30 003	DEVON ENERGY PRODUCTION CO	36,092	233,860	20,312		6/1995
30-515-04751	TRIPLE S 33 FEDERA 001	SANTA FE ENERGY OPER	28,048	44,862	8,851		7/1993
30-015-25769	TRIPLE S 33 FEDERAL 001	OXY USA INC	82,589	297,543	51,544		9/1987
30-025-31929	TRISTE DRAW '36' ST WD-1	EOG RESOURCES INC				2,858,751	
30-025-32069	TRISTE DRAW ANH STAT 001	YATES PETROLEUM CORP					
30-525-08801	TRISTE DRAW FEDERAL 001	MOBIL PRODUCING TEXA	4,009	279	639		8/1981
30-025-27708	TRISTE DRAW FEDERAL 002	PRE-ONGARD WELL OPERATOR					8/1982

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WELL INVENTORY - NINE TOWNSHIP STUDY AREA

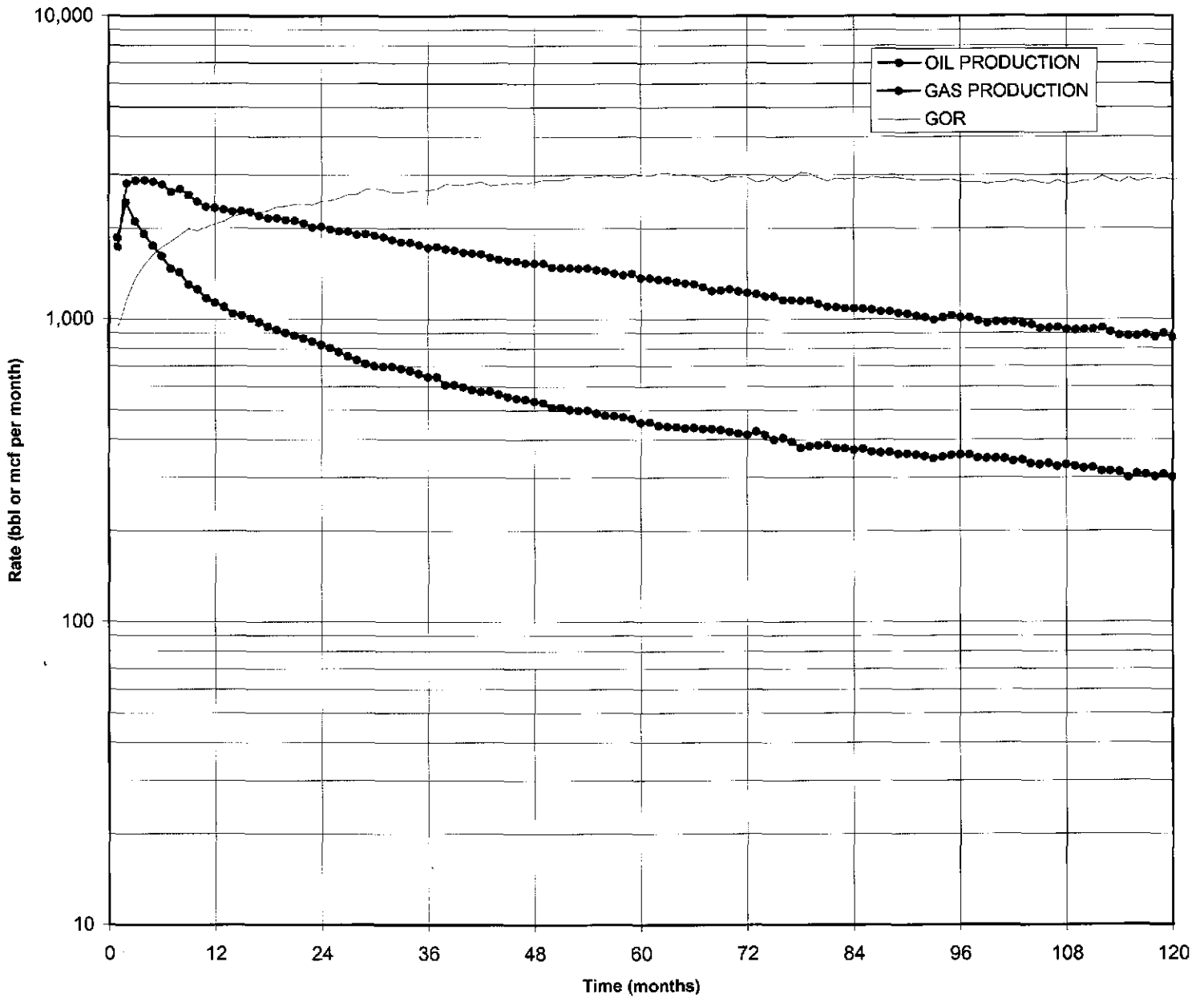
API NO	WELL	OPERATOR	CUM OIL (BBL)	CUM GAS (MCF)	CUM WATER (BBL)	CUM INJ (BBL)	DATE OF FIRST PROD
30-025-27655	TRISTE DRAW FEDERAL 1	SONOMA ENERGY CORPORATION	40,350	62,266	429,104		4/1983
30-525-08798	TRISTE DRAW GULF 001	THE SUPERIOR OIL COM	55	43,799	580		4/1983
30-025-08135	TRISTE-STATE 1	PRE-ONGARD WELL OPERATOR					
30-025-32688	TRUMPETER 4 STATE 001	SANTA FE ENERGY OPERATING PAR	35,605	10,536	194,725		11/1994
30-025-36563	TSS FEDERAL COM #002 002L	SAMSON RESOURCES CO					
30-025-25179	TSS FEDERAL COM 001	SAMSON RESOURCES CO	105,311	6,158,283	5,305		5/1976
30-025-37868	TSS FEDERAL COM 002	SAMSON RESOURCES CO	4,629	548,192	1,031		10/2006
30-025-31412	UNION 'AJS' FEDERAL 1	YATES PETROLEUM CORP				11,113,777	
30-015-27998	UNION FEDERAL 001	OWENS PET INC	2,516		617		8/1994
30-015-28119	UNION FEDERAL 002	OWENS PET INC					
30-025-27280	UNION FEDERAL 1	HAWKINS OIL & GAS INC	1,940	423,685	267		4/1982
30-015-26698	UNOCAL AH U FEDERAL 001	YATES PETROLEUM CORP	130,687	247,637	475,887		5/1991
30-015-26786	UNOCAL AH U FEDERAL 002	YATES PETROLEUM CORP	159,003	337,465	982,147		9/1991
30-015-26774	UNOCAL-HPC FEDERAL 001	MARBOB ENERGY CORP	123,311	328,300	254,288		8/1991
30-015-26849	UNOCAL-HPC FEDERAL 002	MARBOB ENERGY CORP	69,790	174,936	286,752		12/1991
30-025-31625	URRACA FEDERAL 002	STRATA PRODUCTION CO	108,982	28,138	453,034		10/1992
30-025-37687	URRACA FEDERAL 003	STRATA PRODUCTION CO	12,908	851	60,126		1/2007
30-015-04732	VH MCNUTT 1	PRE-ONGARD WELL OPERATOR					
30-025-36552	WBR FEDERAL #006 006	POGO PRODUCING CO					
30-025-35819	WBR FEDERAL #008 008	POGO PRODUCING CO					
30-025-30137	WBR FEDERAL 001	POGO PRODUCING CO	65,619	3,280,835	73,933		10/1988
30-025-32999	WBR FEDERAL 002	OXY USA INC	70,442	134,723	355,686		8/1995
30-025-33026	WBR FEDERAL 003	OXY USA INC	73,638	136,660	259,074		12/1995
30-025-35256	WBR FEDERAL 005	OXY USA INC	90,437	210,783	190,164		7/2001
30-025-35722	WBR FEDERAL 007	OXY USA INC	60,413	147,891	45,189		1/2002
30-025-36063	WBR FEDERAL 009	OXY USA INC	40,341	102,108	34,151		3/2003
30-025-36064	WBR FEDERAL 010	OXY USA INC	49,197	107,725	31,173		7/2003
30-025-37929	WBR FEDERAL 011	OXY USA INC	28,346	36,158	24,812		2/2007
30-025-36415	WBR FEDERAL 012	OXY USA INC	19,153	51,935	33,806		11/2003
30-025-20437	WEHRLI-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-025-32301	WHITE SWAN '9' FEDE 3	DEVON ENERGY PRODUCTION CO					
30-025-32000	WHITE SWAN 9 FEDERAL 001	DEVON ENERGY PRODUCTION CO	93,006	90,332	188,712		8/1993
30-025-32302	WHITE SWAN 9 FEDERAL 004	DEVON ENERGY PRODUCTION CO	234,724	154,258	220,764		6/1995
30-025-32331	WILD TURKEY 10 STATE 001	COG OPERATING LLC	20,877	4,854	159,008		6/1995
30-025-32332	WILD TURKEY 9 STATE 001	COG OPERATING LLC	90,513	54,592	230,260		6/1994
30-015-05838	WILLIAMSON 1	PRE-ONGARD WELL OPERATOR					
30-015-26777	WOLF AJA FEDERAL 004	YATES PETROLEUM CORP	103,137	102,698	390,487		8/1991
30-015-26816	WOLF AJA FEDERAL 005	YATES PETROLEUM CORP	67,835	76,539	439,052		10/1991
30-015-26817	WOLF AJA FEDERAL 007	YATES PETROLEUM CORP	227,179	165,324	498,365		3/1992
30-015-05839	WRIGHT-FED 23 1	PRE-ONGARD WELL OPERATOR					
30-015-05843	WRIGHT-FEDERAL 1	PRE-ONGARD WELL OPERATOR					
30-015-05846	WRIGHT-FEDERAL 3	PRE-ONGARD WELL OPERATOR					
30-015-05845	WRIGHT-FEDERAL E 2	PRE-ONGARD WELL OPERATOR					
30-025-33986	ZEBRA STATE 1	POGO PRODUCING CO					

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**APPENDIX IV
NORM PROD DATA**

NORMALIZED RATE vs TIME CURVE DELAWARE FORMATION



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NORMALIZED DELAWARE PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
1	1,957,708	1,826,315	1,058	1,850	1,726	933
2	2,546,933	2,951,453	1,050	2,426	2,811	1,159
3	2,193,564	2,991,233	1,043	2,103	2,868	1,364
4	1,962,617	2,956,928	1,029	1,907	2,874	1,507
5	1,780,279	2,902,372	1,021	1,744	2,843	1,630
6	1,630,910	2,815,410	1,013	1,610	2,779	1,726
7	1,472,470	2,650,418	1,008	1,461	2,629	1,800
8	1,430,568	2,700,038	1,006	1,422	2,684	1,887
9	1,292,984	2,564,396	998	1,296	2,570	1,983
10	1,236,836	2,420,564	991	1,248	2,443	1,957
11	1,152,324	2,314,745	986	1,169	2,348	2,009
12	1,108,641	2,284,931	980	1,131	2,332	2,061
13	1,073,163	2,254,712	980	1,095	2,301	2,101
14	1,015,436	2,215,282	977	1,039	2,267	2,182
15	992,637	2,204,989	968	1,025	2,278	2,221
16	971,109	2,190,103	967	1,004	2,265	2,255
17	937,273	2,109,968	962	974	2,193	2,251
18	901,036	2,058,952	955	943	2,156	2,285
19	872,163	2,051,499	949	919	2,162	2,352
20	851,003	2,009,925	946	900	2,125	2,362
21	833,075	1,999,104	945	882	2,115	2,400
22	813,972	1,953,198	943	863	2,071	2,400
23	791,784	1,888,839	939	843	2,012	2,386
24	772,066	1,891,174	938	823	2,016	2,449
25	749,390	1,846,953	933	803	1,980	2,465
26	719,879	1,804,919	926	777	1,949	2,507
27	693,454	1,792,990	922	752	1,945	2,586
28	672,968	1,743,011	919	732	1,897	2,590
29	649,882	1,747,424	914	711	1,912	2,689
30	637,186	1,717,260	911	699	1,885	2,695
31	635,201	1,701,742	910	698	1,870	2,679
32	633,047	1,658,526	908	697	1,827	2,620
33	618,879	1,620,525	902	686	1,797	2,618
34	605,768	1,605,476	897	675	1,790	2,650
35	589,834	1,568,612	892	661	1,759	2,659
36	573,141	1,530,877	889	645	1,722	2,671
37	568,671	1,532,086	883	644	1,735	2,694
38	532,449	1,492,101	878	606	1,699	2,802
39	530,205	1,471,003	874	607	1,683	2,774
40	516,023	1,435,036	866	596	1,657	2,781
41	502,420	1,413,494	859	585	1,646	2,813
42	491,435	1,400,454	854	575	1,640	2,850
43	491,067	1,356,625	849	578	1,598	2,763
44	475,367	1,321,681	842	565	1,570	2,780
45	463,417	1,301,806	835	555	1,559	2,809
46	456,217	1,294,594	833	548	1,554	2,838
47	451,528	1,270,532	830	544	1,531	2,814

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**NORMALIZED DELAWARE PRODUCTION
NINE TOWNSHIP STUDY AREA**

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
48	441,782	1,259,899	824	536	1,529	2,852
49	433,721	1,252,752	820	529	1,528	2,888
50	416,399	1,204,530	814	512	1,480	2,893
51	412,496	1,190,201	807	511	1,475	2,885
52	400,544	1,177,670	798	502	1,476	2,940
53	397,093	1,169,334	795	499	1,471	2,945
54	395,048	1,163,902	790	500	1,473	2,946
55	384,467	1,142,460	786	489	1,454	2,972
56	375,887	1,127,188	783	480	1,440	2,999
57	370,132	1,092,560	772	479	1,415	2,952
58	365,289	1,075,780	770	474	1,397	2,945
59	357,256	1,077,544	764	468	1,410	3,016
60	345,978	1,039,545	760	455	1,368	3,005
61	345,458	1,033,140	757	456	1,365	2,991
62	333,165	1,012,021	750	444	1,349	3,038
63	329,899	1,004,488	747	442	1,345	3,045
64	326,804	983,055	742	440	1,325	3,008
65	321,914	969,839	739	436	1,312	3,013
66	321,164	955,792	734	438	1,302	2,976
67	314,970	927,817	727	433	1,276	2,946
68	312,941	894,451	724	432	1,235	2,858
69	309,201	891,535	719	430	1,240	2,883
70	301,360	891,975	712	423	1,253	2,960
71	296,569	874,031	709	418	1,233	2,947
72	293,517	862,988	708	415	1,219	2,940
73	299,552	851,559	705	425	1,208	2,843
74	291,519	835,774	704	414	1,187	2,867
75	280,101	834,213	702	399	1,188	2,978
76	282,034	804,824	697	405	1,155	2,854
77	271,851	798,390	692	393	1,154	2,937
78	258,012	789,520	688	375	1,148	3,060
79	260,272	788,876	684	381	1,153	3,031
80	259,879	762,577	680	382	1,121	2,934
81	258,976	742,681	676	383	1,099	2,868
82	251,024	734,481	672	374	1,093	2,926
83	250,445	727,509	670	374	1,086	2,905
84	246,561	723,173	667	370	1,084	2,933
85	246,389	715,896	662	372	1,081	2,906
86	237,843	702,970	654	364	1,075	2,956
87	234,989	689,423	650	362	1,061	2,934
88	233,213	682,250	644	362	1,059	2,925
89	229,069	671,599	641	357	1,048	2,932
90	228,293	662,901	638	358	1,039	2,904
91	225,379	647,325	633	356	1,023	2,872
92	220,513	635,232	627	352	1,013	2,881
93	215,715	620,234	624	346	994	2,875
94	216,831	626,164	619	350	1,012	2,888

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NORMALIZED DELAWARE PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
95	218,167	631,723	615	355	1,027	2,896
96	217,237	617,154	610	356	1,012	2,841
97	215,602	612,267	605	356	1,012	2,840
98	208,182	591,819	600	347	986	2,843
99	206,292	576,880	595	347	970	2,796
100	204,653	579,653	591	346	981	2,832
101	203,673	576,552	589	346	979	2,831
102	198,886	574,444	587	339	979	2,888
103	199,874	565,423	585	342	967	2,829
104	194,408	560,102	585	332	957	2,881
105	193,188	545,500	585	330	932	2,824
106	194,254	544,247	583	333	934	2,802
107	188,291	542,739	578	326	939	2,882
108	188,540	527,743	571	330	924	2,799
109	184,966	522,886	567	326	922	2,827
110	181,598	521,367	565	321	923	2,871
111	181,626	521,076	562	323	927	2,869
112	176,170	523,887	560	315	936	2,974
113	176,212	508,448	560	315	908	2,885
114	174,068	491,460	557	313	882	2,823
115	165,554	486,281	554	299	878	2,937
116	168,945	480,876	548	308	878	2,846
117	166,821	483,060	545	306	886	2,896
118	163,642	472,958	543	301	871	2,890
119	165,841	484,518	540	307	897	2,922
120	161,201	465,527	537	300	867	2,888
121	157,156	456,488	531	296	860	2,905
122	154,705	445,920	531	291	840	2,882
123	155,305	441,344	525	296	841	2,842
124	157,625	434,399	520	303	835	2,756
125	153,663	433,708	515	298	842	2,822
126	152,536	425,245	509	300	835	2,788
127	147,566	419,119	504	293	832	2,840
128	147,400	406,825	496	297	820	2,760
129	140,563	392,483	491	286	799	2,792
130	143,647	384,213	487	295	789	2,675
131	135,454	383,589	481	282	797	2,832
132	134,056	377,994	476	282	794	2,820
133	136,148	380,670	471	289	808	2,796
134	128,942	373,024	461	280	809	2,893
135	130,088	359,691	458	284	785	2,765
136	127,244	342,474	456	279	751	2,691
137	128,925	348,969	452	285	772	2,707
138	123,757	337,868	448	276	754	2,730
139	122,719	326,812	445	276	734	2,663
140	124,088	320,648	441	281	727	2,584
141	121,676	319,065	435	280	733	2,622

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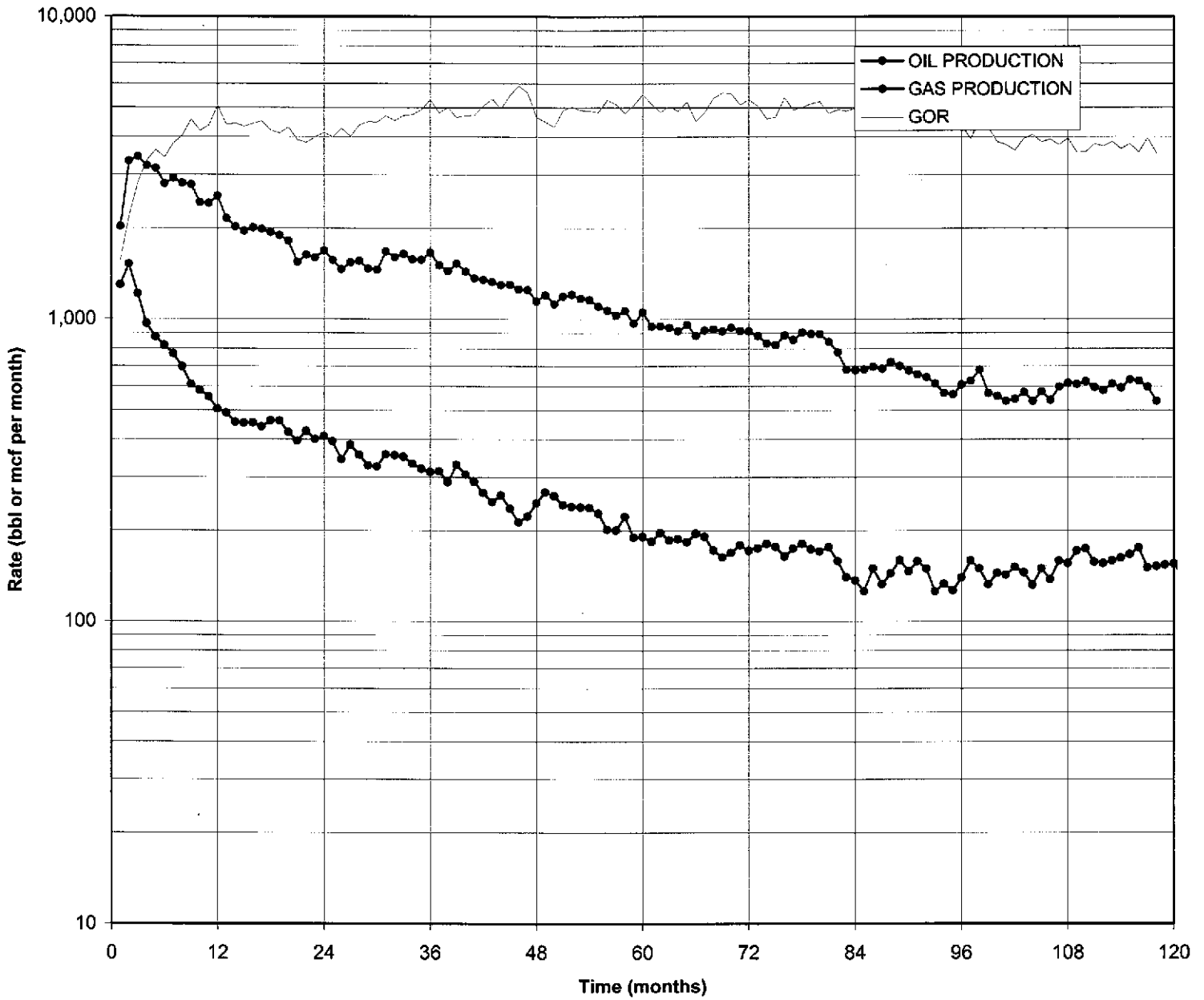
NORMALIZED DELAWARE PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
142	123,504	312,945	434	285	721	2,534
143	121,655	310,254	431	282	720	2,550
144	120,290	299,352	426	282	703	2,489
145	117,833	285,404	422	279	676	2,422
146	115,405	292,976	420	275	698	2,539
147	113,175	285,281	414	273	689	2,521
148	114,752	285,947	409	281	699	2,492
149	109,974	281,773	404	272	697	2,562
150	109,561	268,805	399	275	674	2,453
151	110,450	268,879	396	279	679	2,434
152	110,255	266,899	391	282	683	2,421
153	106,033	255,838	388	273	659	2,413
154	102,169	252,970	380	269	666	2,476
155	101,497	250,998	373	272	673	2,473
156	102,459	245,524	366	280	671	2,396
157	98,812	235,413	352	281	669	2,382
158	95,855	239,089	344	279	695	2,494
159	93,797	231,718	336	279	690	2,470
160	91,476	223,749	331	276	676	2,446
161	87,120	220,705	323	270	683	2,533
162	86,086	220,437	314	274	702	2,561
163	80,858	214,709	311	260	690	2,655
164	78,477	208,131	306	256	680	2,652
165	77,171	205,325	299	258	687	2,661
166	76,790	195,692	290	265	675	2,548
167	77,193	184,162	283	273	651	2,386
168	72,680	179,750	277	262	649	2,473
169	68,635	183,283	268	256	684	2,670
170	71,917	179,281	263	273	682	2,493
171	64,880	164,964	243	267	679	2,543
172	62,170	159,786	236	263	677	2,570
173	64,286	162,123	234	275	693	2,522
174	69,789	155,862	225	310	693	2,233
175	64,044	139,961	211	304	663	2,185
176	57,336	131,932	201	285	656	2,301
177	55,412	121,407	194	286	626	2,191
178	53,187	112,046	186	286	602	2,107
179	46,916	106,483	176	267	605	2,270
180	44,812	94,437	164	273	576	2,107
181	42,502	88,826	153	278	581	2,090
182	41,285	79,882	146	283	547	1,935
183	38,639	73,910	143	270	517	1,913
184	37,901	67,771	136	279	498	1,788
185	36,512	63,714	134	272	475	1,745
186	37,012	65,966	131	283	504	1,782
187	37,323	64,164	128	292	501	1,719
188	34,358	60,479	124	277	488	1,760

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NORMALIZED RATE vs TIME CURVE BONE SPRING FORMATION



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NORMALIZED BONE SPRING PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
1	179,747	281,246	139	1,293	2,023	1,565
2	206,704	452,499	136	1,520	3,327	2,189
3	159,847	453,293	132	1,211	3,434	2,836
4	126,346	420,790	131	964	3,212	3,330
5	113,252	409,179	130	871	3,148	3,613
6	105,646	360,935	129	819	2,798	3,416
7	96,751	367,872	126	768	2,920	3,802
8	87,666	354,331	126	696	2,812	4,042
9	76,117	347,667	125	609	2,781	4,568
10	71,414	298,716	123	581	2,429	4,183
11	68,017	296,959	123	553	2,414	4,366
12	61,051	308,944	121	505	2,553	5,060
13	59,232	260,361	121	490	2,152	4,396
14	55,210	244,478	121	456	2,020	4,428
15	54,776	236,827	121	453	1,957	4,324
16	54,913	242,970	121	454	2,008	4,425
17	52,875	238,147	120	441	1,985	4,504
18	54,418	228,798	118	461	1,939	4,204
19	53,908	221,468	117	461	1,893	4,108
20	48,928	210,285	116	422	1,813	4,298
21	45,821	179,164	116	395	1,545	3,910
22	48,598	186,132	114	426	1,633	3,830
23	45,651	182,171	114	400	1,598	3,991
24	46,609	192,508	114	409	1,689	4,130
25	44,432	177,515	113	393	1,571	3,995
26	38,421	163,798	112	343	1,462	4,263
27	42,975	172,371	112	384	1,539	4,011
28	38,779	169,653	109	356	1,556	4,375
29	35,702	160,197	109	328	1,470	4,487
30	34,791	155,890	107	325	1,457	4,481
31	38,112	179,031	107	356	1,673	4,697
32	37,917	171,750	107	354	1,605	4,530
33	37,482	176,127	107	350	1,646	4,699
34	35,208	166,881	106	332	1,574	4,740
35	33,853	166,652	106	319	1,572	4,923
36	33,091	175,902	106	312	1,659	5,316
37	33,254	159,939	106	314	1,509	4,810
38	30,317	151,566	105	289	1,443	4,999
39	34,259	158,883	104	329	1,528	4,638
40	31,793	149,422	104	306	1,437	4,700
41	30,143	142,155	104	290	1,367	4,716
42	26,923	136,429	101	267	1,351	5,067
43	25,071	134,016	101	248	1,327	5,345
44	26,451	130,925	101	262	1,296	4,950
45	23,658	130,075	100	237	1,301	5,498
46	20,864	123,157	98	213	1,257	5,903
47	21,839	122,551	98	223	1,251	5,612

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NORMALIZED BONE SPRING PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
48	24,156	112,355	98	246	1,146	4,651
49	25,972	116,588	97	268	1,202	4,489
50	25,219	108,919	97	260	1,123	4,319
51	23,332	114,351	96	243	1,191	4,901
52	22,782	114,553	95	240	1,206	5,028
53	22,468	110,000	94	239	1,170	4,896
54	22,358	109,032	94	238	1,160	4,877
55	20,983	101,262	92	228	1,101	4,826
56	18,133	96,196	90	201	1,069	5,305
57	18,046	92,658	90	201	1,030	5,135
58	19,997	95,794	90	222	1,064	4,790
59	16,897	86,092	89	190	967	5,095
60	16,601	91,707	87	191	1,054	5,524
61	15,992	82,313	87	184	946	5,147
62	17,097	82,571	87	197	949	4,830
63	16,146	81,649	87	186	938	5,057
64	16,123	78,464	86	187	912	4,867
65	15,568	81,408	85	183	958	5,229
66	16,614	74,887	85	195	881	4,507
67	16,216	78,085	85	191	919	4,815
68	13,926	74,929	81	172	925	5,381
69	13,197	73,869	81	163	912	5,597
70	13,663	75,961	81	169	938	5,560
71	14,481	74,045	81	179	914	5,113
72	13,553	72,042	79	172	912	5,316
73	13,774	69,575	79	174	881	5,051
74	14,108	64,872	78	181	832	4,598
75	13,776	64,097	78	177	822	4,653
76	12,796	69,078	78	164	886	5,398
77	13,580	66,644	78	174	854	4,908
78	14,092	70,515	78	181	904	5,004
79	13,190	67,933	76	174	894	5,150
80	12,945	67,758	76	170	892	5,234
81	13,399	64,099	76	176	843	4,784
82	11,870	58,382	75	158	778	4,918
83	10,507	51,135	75	140	682	4,867
84	10,248	50,960	75	137	679	4,973
85	9,300	50,580	74	126	684	5,439
86	10,924	50,840	73	150	696	4,654
87	9,672	50,034	73	132	685	5,173
88	10,372	52,067	72	144	723	5,020
89	11,488	50,434	72	160	700	4,390
90	10,395	48,027	71	146	676	4,620
91	11,050	45,933	70	158	656	4,157
92	10,305	44,412	69	149	644	4,310
93	8,668	42,258	69	126	612	4,875
94	9,048	38,753	68	133	570	4,283

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NORMALIZED BONE SPRING PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
95	8,468	37,822	67	126	565	4,466
96	9,337	40,693	67	139	607	4,358
97	10,640	41,938	67	159	626	3,942
98	10,017	45,595	67	150	681	4,552
99	8,872	38,103	67	132	569	4,295
100	9,539	36,719	66	145	556	3,849
101	9,392	35,358	66	142	536	3,765
102	9,969	35,938	66	151	545	3,605
103	9,571	37,854	66	145	574	3,955
104	8,692	35,304	66	132	535	4,062
105	9,707	37,386	65	149	575	3,851
106	8,944	35,093	65	138	540	3,924
107	10,310	38,809	65	159	597	3,764
108	10,106	39,953	65	155	615	3,953
109	10,945	38,933	64	171	608	3,557
110	11,147	39,776	64	174	622	3,568
111	9,744	36,880	62	157	595	3,785
112	9,648	36,004	62	156	581	3,732
113	9,830	37,916	62	159	612	3,857
114	10,053	36,711	62	162	592	3,652
115	10,324	39,078	62	167	630	3,785
116	10,695	38,056	61	175	624	3,558
117	9,029	35,787	60	150	596	3,964
118	9,111	32,146	60	152	536	3,528
119	9,078	33,435	59	154	567	3,683
120	8,990	35,576	58	155	613	3,957
121	8,148	32,388	58	140	558	3,975
122	8,754	32,477	56	156	580	3,710
123	9,674	32,119	56	173	574	3,320
124	7,607	35,729	56	136	638	4,697
125	8,938	38,508	56	160	688	4,308
126	8,268	34,939	54	153	647	4,226
127	9,267	37,895	54	172	702	4,089
128	8,441	44,297	54	156	820	5,248
129	8,162	38,397	54	151	711	4,704
130	7,852	34,130	54	145	632	4,347
131	7,979	34,153	54	148	632	4,280
132	7,983	31,032	53	151	586	3,887
133	8,014	34,449	53	151	650	4,299
134	8,859	34,785	52	170	669	3,927
135	8,603	34,069	52	165	655	3,960
136	7,768	30,863	52	149	594	3,973
137	9,430	30,373	51	185	596	3,221
138	8,751	32,564	49	179	665	3,721
139	7,297	29,937	46	159	651	4,103
140	7,601	28,985	45	169	644	3,813
141	7,714	28,206	45	171	627	3,656

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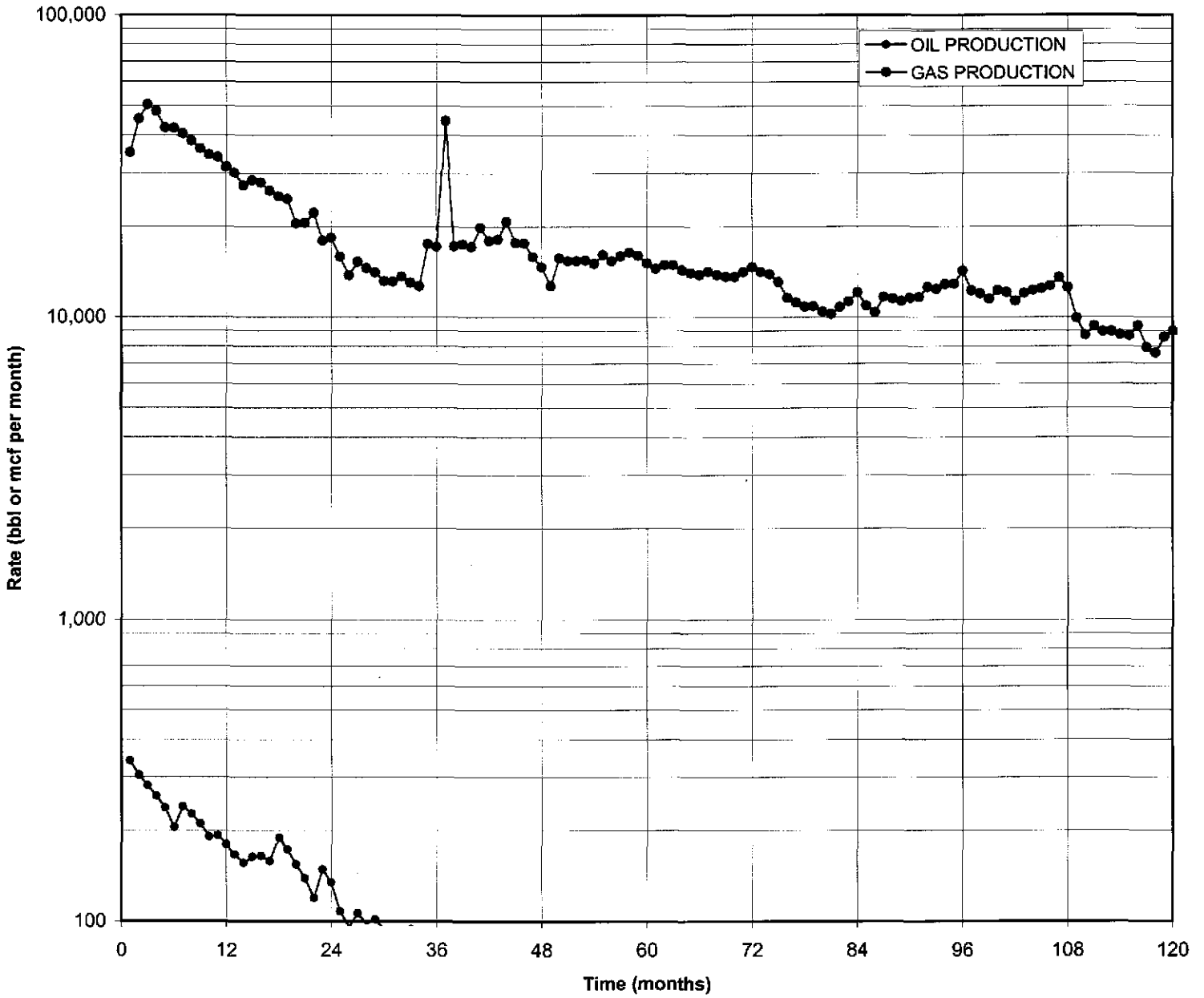
NORMALIZED BONE SPRING PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL	GOR
142	8,430	28,133	44	192	639	3,337
143	8,059	24,058	40	201	601	2,985
144	7,614	25,019	38	200	658	3,286
145	6,481	27,277	38	171	718	4,209
146	6,544	25,179	36	182	699	3,848
147	5,703	21,829	34	168	642	3,828
148	5,682	20,053	31	183	647	3,529
149	4,391	16,308	28	157	582	3,714
150	4,971	14,532	28	178	519	2,923
151	4,104	13,589	26	158	523	3,311
152	4,411	12,506	26	170	481	2,835
153	4,648	15,184	25	186	607	3,267
154	3,770	14,231	23	164	619	3,775
155	3,858	10,134	20	193	507	2,627
156	3,128	9,574	19	165	504	3,061
157	3,662	9,025	18	203	501	2,465
158	2,708	6,887	16	169	430	2,543
159	2,957	8,274	16	185	517	2,798
160	2,941	7,626	15	196	508	2,593
161	2,839	6,058	13	218	466	2,134
162	2,397	5,329	13	184	410	2,223
163	2,340	4,911	13	180	378	2,099
164	2,299	5,588	13	177	430	2,431
165	2,118	5,356	13	163	412	2,529
166	2,030	5,185	13	156	399	2,554
167	2,350	5,055	13	181	389	2,151
168	2,293	4,731	13	176	364	2,063
169	2,937	4,657	12	245	388	1,586
170	2,329	3,706	11	212	337	1,591
171	2,178	3,055	9	242	339	1,403
172	1,644	2,114	8	206	264	1,286
173	1,756	2,001	7	251	286	1,140
174	1,605	2,087	7	229	298	1,300
175	1,674	1,981	7	239	283	1,183
176	1,581	1,873	7	226	268	1,185
177	1,546	2,309	7	221	330	1,494
178	1,306	2,240	6	218	373	1,715
179	1,204	2,047	6	201	341	1,700
180	1,220	2,113	5	244	423	1,732
181	1,057	1,916	5	211	383	1,813
182	1,069	2,434	5	214	487	2,277
183	1,154	1,987	5	231	397	1,722
184	1,210	2,281	5	242	456	1,885
185	1,300	2,013	5	260	403	1,548
186	717	1,838	5	143	368	2,563
187	797	1,893	5	159	379	2,375
188	1,080	1,530	4	270	383	1,417

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NORMALIZED RATE vs TIME CURVE ATOKA FORMATION



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NORMALIZED ATOKA PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
1	17,691	1,826,235	52	340	35,120
2	15,550	2,312,845	51	305	45,350
3	14,360	2,573,754	51	282	50,466
4	12,998	2,398,687	50	260	47,974
5	11,638	2,072,982	49	238	42,306
6	10,040	2,072,029	49	205	42,286
7	11,733	1,982,416	49	239	40,457
8	11,121	1,879,918	49	227	38,366
9	10,318	1,772,939	49	211	36,182
10	9,336	1,693,736	49	191	34,566
11	9,430	1,661,234	49	192	33,903
12	8,812	1,541,983	49	180	31,469
13	7,999	1,442,627	48	167	30,055
14	7,503	1,313,351	48	156	27,361
15	7,863	1,365,188	48	164	28,441
16	7,745	1,314,343	47	165	27,965
17	7,291	1,207,682	46	159	26,254
18	8,506	1,132,045	45	189	25,157
19	7,621	1,086,058	44	173	24,683
20	6,485	859,464	42	154	20,463
21	5,699	842,039	41	139	20,538
22	4,909	910,235	41	120	22,201
23	6,098	735,853	41	149	17,948
24	5,251	715,720	39	135	18,352
25	4,220	619,588	39	108	15,887
26	3,748	537,470	39	96	13,781
27	4,147	596,283	39	106	15,289
28	3,829	567,907	39	98	14,562
29	3,960	548,908	39	102	14,075
30	3,666	513,313	39	94	13,162
31	3,493	511,473	39	90	13,115
32	3,595	518,203	38	95	13,637
33	3,667	495,036	38	97	13,027
34	3,622	481,809	38	95	12,679
35	3,545	665,607	38	93	17,516
36	3,141	651,607	38	83	17,148
37	3,164	1,652,969	37	86	44,675
38	2,935	634,953	37	79	17,161
39	3,378	629,391	36	94	17,483
40	2,946	617,076	36	82	17,141
41	3,149	713,648	36	87	19,824
42	2,786	627,650	35	80	17,933
43	2,754	634,949	35	79	18,141
44	2,915	726,856	35	83	20,767
45	3,260	618,738	35	93	17,678
46	2,899	615,975	35	83	17,599
47	2,632	556,262	35	75	15,893

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**NORMALIZED ATOKA PRODUCTION
NINE TOWNSHIP STUDY AREA**

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
48	2,624	514,673	35	75	14,705
49	2,600	445,503	35	74	12,729
50	2,502	535,054	34	74	15,737
51	2,408	523,034	34	71	15,383
52	1,979	508,125	33	60	15,398
53	1,980	510,172	33	60	15,460
54	2,057	496,807	33	62	15,055
55	2,073	531,197	33	63	16,097
56	2,027	507,193	33	61	15,369
57	2,245	510,025	32	70	15,938
58	2,266	507,566	31	73	16,373
59	2,202	496,622	31	71	16,020
60	1,858	468,056	31	60	15,099
61	1,478	449,018	31	48	14,484
62	1,679	461,810	31	54	14,897
63	1,806	461,679	31	58	14,893
64	1,390	442,727	31	45	14,282
65	1,570	420,706	30	52	14,024
66	1,629	414,897	30	54	13,830
67	1,498	424,634	30	50	14,154
68	1,708	413,746	30	57	13,792
69	1,596	409,412	30	53	13,647
70	1,674	408,690	30	56	13,623
71	1,762	423,563	30	59	14,119
72	1,987	439,720	30	66	14,657
73	1,713	424,212	30	57	14,140
74	1,905	402,968	29	66	13,895
75	2,213	379,979	29	76	13,103
76	1,876	336,511	29	65	11,604
77	1,543	324,769	29	53	11,199
78	1,767	303,368	28	63	10,835
79	1,842	304,536	28	66	10,876
80	1,692	282,043	27	63	10,446
81	1,341	276,749	27	50	10,250
82	1,471	292,126	27	54	10,819
83	1,767	304,290	27	65	11,270
84	1,624	314,479	26	62	12,095
85	1,533	284,198	26	59	10,931
86	1,324	259,718	25	53	10,389
87	1,380	292,068	25	55	11,683
88	1,611	287,947	25	64	11,518
89	1,528	282,348	25	61	11,294
90	1,439	289,610	25	58	11,584
91	1,387	291,637	25	55	11,665
92	1,606	314,852	25	64	12,594
93	1,762	310,205	25	70	12,408
94	1,988	321,734	25	80	12,869

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NORMALIZED ATOKA PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
95	1,802	322,422	25	72	12,897
96	1,775	356,198	25	71	14,248
97	1,513	306,350	25	61	12,254
98	1,726	299,580	25	69	11,983
99	1,516	287,381	25	61	11,495
100	1,848	307,227	25	74	12,289
101	1,675	301,998	25	67	12,080
102	1,601	282,974	25	64	11,319
103	1,725	300,443	25	69	12,018
104	1,632	294,531	24	68	12,272
105	1,587	298,936	24	66	12,456
106	1,732	304,447	24	72	12,685
107	1,696	324,849	24	71	13,535
108	1,788	301,185	24	75	12,549
109	1,273	228,424	23	55	9,931
110	1,087	200,280	23	47	8,708
111	1,285	214,873	23	56	9,342
112	1,194	205,962	23	52	8,955
113	1,237	205,956	23	54	8,955
114	1,151	200,845	23	50	8,732
115	1,029	198,801	23	45	8,644
116	1,016	205,907	22	46	9,359
117	999	174,204	22	45	7,918
118	1,080	166,870	22	49	7,585
119	1,035	188,633	22	47	8,574
120	830	197,438	22	38	8,974
121	1,100	187,516	22	50	8,523
122	1,052	186,397	22	48	8,473
123	992	194,448	22	45	8,839
124	1,046	188,167	22	48	8,553
125	843	166,983	22	38	7,590
126	1,074	219,262	22	49	9,966
127	1,135	208,842	22	52	9,493
128	1,035	182,806	21	49	8,705
129	801	171,515	21	38	8,167
130	1,056	168,780	21	50	8,037
131	878	166,215	21	42	7,915
132	1,315	199,978	21	63	9,523
133	998	194,251	21	48	9,250
134	1,047	265,121	21	50	12,625
135	976	198,588	21	46	9,457
136	1,145	226,753	21	55	10,798
137	677	162,238	21	32	7,726
138	788	167,458	21	38	7,974
139	849	207,845	21	40	9,897
140	884	192,802	21	42	9,181
141	843	198,895	21	40	9,471

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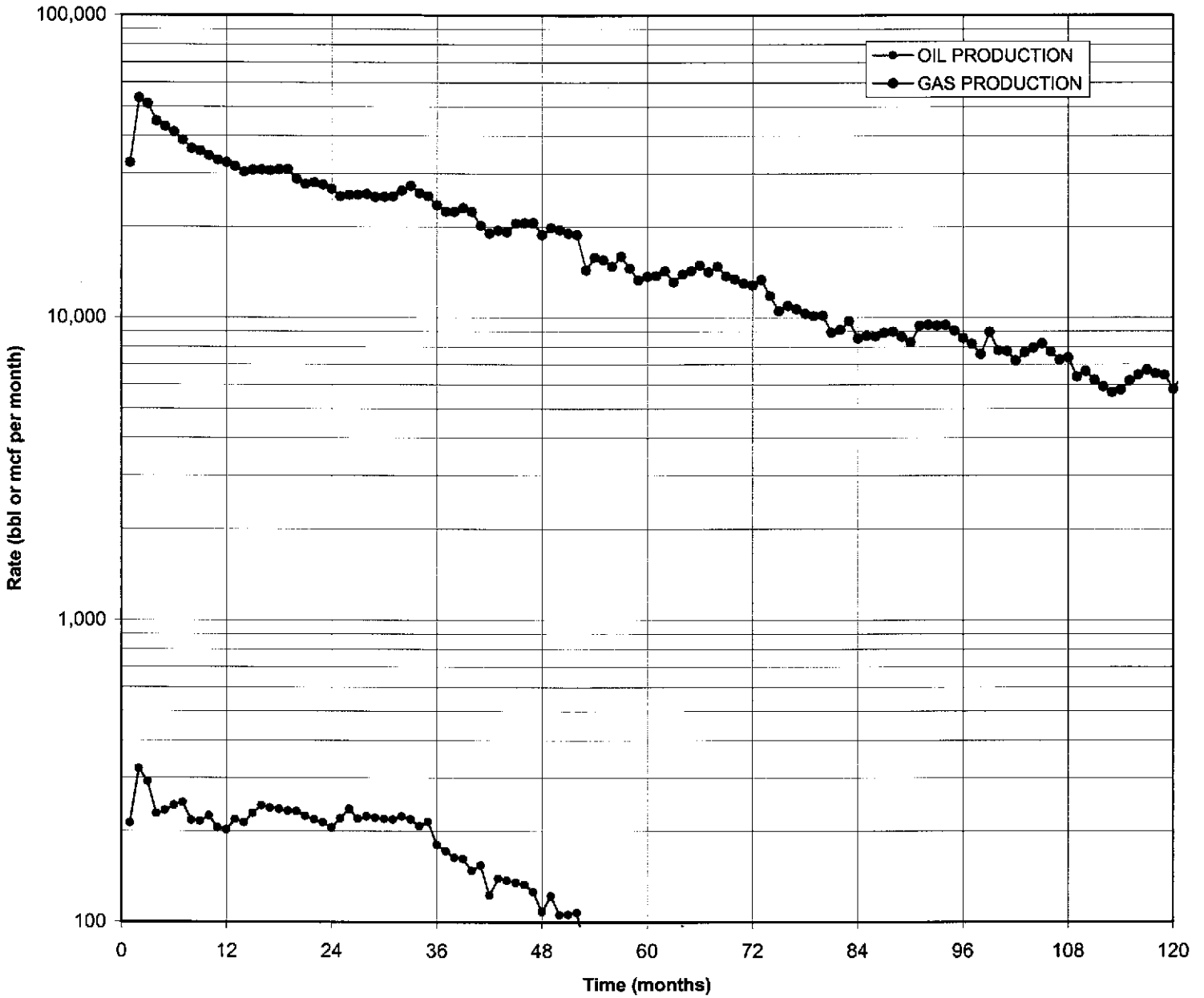
NORMALIZED ATOKA PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
142	919	212,631	21	44	10,125
143	871	192,678	21	41	9,175
144	934	191,333	21	44	9,111
145	924	183,569	21	44	8,741
146	684	175,949	20	34	8,797
147	579	180,334	20	29	9,017
148	1,110	186,115	20	56	9,306
149	959	169,759	20	48	8,488
150	607	179,940	20	30	8,997
151	1,133	186,179	20	57	9,309
152	917	193,545	20	46	9,677
153	790	185,832	20	40	9,292
154	769	185,374	20	38	9,269
155	777	181,863	20	39	9,093
156	740	161,019	20	37	8,051
157	597	144,211	20	30	7,211
158	171	111,123	19	9	5,849
159	827	119,010	18	46	6,612
160	641	140,240	17	38	8,249
161	528	157,261	17	31	9,251
162	675	155,131	17	40	9,125
163	567	152,179	17	33	8,952
164	463	161,641	17	27	9,508
165	674	180,205	17	40	10,600
166	536	149,900	17	32	8,818
167	449	172,704	17	26	10,159
168	588	183,601	17	35	10,800
169	617	176,811	17	36	10,401
170	456	165,198	17	27	9,718
171	488	153,000	17	29	9,000
172	443	126,188	16	28	7,887
173	385	107,873	16	24	6,742
174	370	117,791	16	23	7,362
175	416	142,470	16	26	8,904
176	426	130,666	16	27	8,167
177	436	117,238	16	27	7,327
178	462	123,039	16	29	7,690
179	481	137,528	16	30	8,596
180	300	109,082	16	19	6,818
181	396	103,020	16	25	6,439
182	283	86,179	16	18	5,386
183	294	93,108	16	18	5,819
184	245	84,339	16	15	5,271
185	241	76,786	16	15	4,799
186	34	58,934	16	2	3,683
187	140	86,694	16	9	5,418
188	67	52,883	16	4	3,305

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NORMALIZED RATE vs TIME CURVE MORROW FORMATION



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NORMALIZED MORROW PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
1	24,654	3,775,499	116	213	32,547
2	37,332	6,193,684	116	322	53,394
3	33,270	5,815,864	114	292	51,016
4	25,802	5,047,674	113	228	44,670
5	25,517	4,679,254	109	234	42,929
6	26,522	4,492,135	109	243	41,212
7	27,061	4,215,361	109	248	38,673
8	23,694	3,955,926	109	217	36,293
9	23,256	3,850,964	108	215	35,657
10	24,061	3,677,416	107	225	34,368
11	21,775	3,522,432	106	205	33,230
12	21,234	3,427,126	105	202	32,639
13	22,493	3,262,328	103	218	31,673
14	22,001	3,129,981	103	214	30,388
15	23,597	3,171,553	103	229	30,792
16	25,001	3,181,518	103	243	30,889
17	24,327	3,129,596	102	239	30,682
18	23,879	3,126,972	101	236	30,960
19	23,290	3,098,653	100	233	30,987
20	22,551	2,790,024	97	232	28,763
21	21,306	2,630,757	95	224	27,692
22	20,739	2,657,988	95	218	27,979
23	20,048	2,584,904	94	213	27,499
24	19,311	2,504,857	94	205	26,647
25	20,240	2,317,530	92	220	25,191
26	21,772	2,340,167	92	237	25,437
27	20,006	2,321,837	91	220	25,515
28	19,914	2,283,821	89	224	25,661
29	19,683	2,231,982	89	221	25,078
30	19,521	2,236,657	89	219	25,131
31	19,454	2,244,494	89	219	25,219
32	19,925	2,339,845	89	224	26,290
33	19,461	2,427,766	89	219	27,278
34	18,502	2,297,394	89	208	25,813
35	18,901	2,221,741	88	215	25,247
36	15,675	2,054,038	87	180	23,610
37	14,764	1,932,005	86	172	22,465
38	14,057	1,926,908	86	163	22,406
39	13,927	1,986,851	86	162	23,103
40	12,715	1,928,316	86	148	22,422
41	13,251	1,735,727	86	154	20,183
42	10,312	1,597,479	84	123	19,018
43	11,592	1,612,978	83	140	19,433
44	11,396	1,594,553	83	137	19,211
45	10,957	1,664,232	81	135	20,546
46	10,795	1,668,962	81	133	20,604
47	10,086	1,652,144	80	126	20,652

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NORMALIZED MORROW PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
48	8,658	1,504,795	80	108	18,810
49	9,650	1,570,230	79	122	19,876
50	8,249	1,522,639	78	106	19,521
51	8,160	1,466,433	77	106	19,045
52	8,284	1,450,882	77	108	18,843
53	6,080	1,107,564	77	79	14,384
54	6,855	1,219,785	77	89	15,841
55	6,440	1,197,967	77	84	15,558
56	6,283	1,110,400	75	84	14,805
57	6,522	1,197,564	75	87	15,968
58	5,735	1,078,574	74	78	14,575
59	5,204	973,239	73	71	13,332
60	5,170	1,000,478	73	71	13,705
61	5,218	991,368	72	72	13,769
62	4,269	1,029,826	72	59	14,303
63	3,761	931,686	71	53	13,122
64	6,928	988,780	71	98	13,926
65	4,092	985,487	69	59	14,282
66	4,481	1,027,339	69	65	14,889
67	4,348	976,409	69	63	14,151
68	4,361	1,005,759	68	64	14,791
69	3,747	933,932	68	55	13,734
70	3,919	911,757	68	58	13,408
71	3,716	882,693	68	55	12,981
72	4,154	857,079	67	62	12,792
73	4,019	894,150	67	60	13,346
74	3,158	791,831	67	47	11,818
75	2,538	704,512	67	38	10,515
76	3,191	733,889	67	48	10,954
77	3,222	704,950	66	49	10,681
78	3,167	680,272	66	48	10,307
79	4,029	648,560	64	63	10,134
80	3,385	640,206	63	54	10,162
81	2,796	562,174	63	44	8,923
82	2,791	573,900	63	44	9,110
83	3,061	613,429	63	49	9,737
84	2,240	537,241	63	36	8,528
85	2,878	549,008	63	46	8,714
86	3,071	546,166	63	49	8,669
87	2,793	560,702	63	44	8,900
88	3,067	564,909	63	49	8,967
89	2,571	543,986	63	41	8,635
90	2,247	521,966	63	36	8,285
91	3,411	590,862	63	54	9,379
92	2,987	595,713	63	47	9,456
93	3,222	592,626	63	51	9,407
94	2,689	585,311	62	43	9,441

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NORMALIZED MORROW PRODUCTION NINE TOWNSHIP STUDY AREA

TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
95	2,315	560,284	62	37	9,037
96	2,590	529,725	62	42	8,544
97	2,048	507,895	62	33	8,192
98	1,952	460,773	61	32	7,554
99	3,173	546,485	61	52	8,959
100	2,336	466,933	60	39	7,782
101	2,009	463,827	60	33	7,730
102	1,712	432,114	60	29	7,202
103	2,081	460,056	60	35	7,668
104	2,586	475,786	60	43	7,930
105	2,322	492,497	60	39	8,208
106	2,229	462,660	60	37	7,711
107	1,527	427,637	59	26	7,248
108	2,056	434,457	59	35	7,364
109	1,667	375,601	59	28	6,366
110	1,987	391,785	59	34	6,640
111	1,983	366,842	59	34	6,218
112	1,700	349,064	59	29	5,916
113	1,860	333,421	59	32	5,651
114	1,585	340,336	59	27	5,768
115	2,213	365,009	59	38	6,187
116	2,349	381,648	59	40	6,469
117	2,426	395,577	59	41	6,705
118	2,166	385,515	59	37	6,534
119	2,152	380,922	59	36	6,456
120	3,109	342,098	59	53	5,798
121	2,081	356,245	56	37	6,362
122	1,708	364,835	55	31	6,633
123	1,567	353,121	55	28	6,420
124	1,486	322,044	55	27	5,855
125	1,464	294,351	54	27	5,451
126	1,345	320,228	54	25	5,930
127	2,081	323,485	54	39	5,990
128	1,933	328,312	52	37	6,314
129	2,102	378,795	52	40	7,285
130	1,908	389,149	52	37	7,484
131	1,779	340,597	52	34	6,550
132	1,595	323,118	51	31	6,336
133	1,282	328,542	50	26	6,571
134	1,266	331,237	49	26	6,760
135	1,357	324,714	49	28	6,627
136	1,339	308,670	49	27	6,299
137	1,746	308,443	49	36	6,295
138	1,377	324,924	48	29	6,769
139	1,861	302,348	47	40	6,433
140	1,584	334,161	47	34	7,110
141	1,893	330,144	47	40	7,024

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TIME	OIL	GAS	WELLS	OIL/WELL	GAS/WELL
142	2,072	326,092	46	45	7,089
143	1,354	266,261	45	30	5,917
144	1,582	292,215	45	35	6,494
145	1,736	327,567	45	39	7,279
146	973	282,730	44	22	6,426
147	1,318	259,399	44	30	5,895
148	1,391	294,232	44	32	6,687
149	1,481	282,405	43	34	6,568
150	1,499	294,589	43	35	6,851
151	1,290	240,428	43	30	5,591
152	1,584	233,655	42	38	5,563
153	1,040	221,741	41	25	5,408
154	998	231,954	41	24	5,657
155	1,165	239,307	41	28	5,837
156	1,833	240,389	41	45	5,863
157	1,180	215,253	41	29	5,250
158	1,260	241,444	41	31	5,889
159	1,351	238,242	40	34	5,956
160	1,027	237,656	40	26	5,941
161	1,290	223,551	40	32	5,589
162	1,007	214,434	40	25	5,361
163	1,208	207,883	40	30	5,197
164	1,881	303,081	40	47	7,577
165	2,232	340,846	40	56	8,521
166	1,647	314,820	39	42	8,072
167	1,633	239,683	39	42	6,146
168	1,116	205,932	39	29	5,280
169	1,217	214,275	39	31	5,494
170	899	172,388	39	23	4,420
171	1,254	228,666	37	34	6,180
172	1,139	220,829	36	32	6,134
173	1,111	217,792	36	31	6,050
174	1,474	248,727	36	41	6,909
175	1,571	258,573	36	44	7,183
176	1,029	216,612	36	29	6,017
177	1,246	200,348	36	35	5,565
178	984	209,075	36	27	5,808
179	1,332	201,092	36	37	5,586
180	1,042	219,300	36	29	6,092
181	1,240	216,391	36	34	6,011
182	864	222,071	34	25	6,532
183	1,309	212,944	34	39	6,263
184	1,668	254,885	34	49	7,497
185	1,408	226,826	34	41	6,671
186	1,445	225,527	34	43	6,633
187	1,320	228,637	34	39	6,725
188	833	223,591	32	26	6,987

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**APPENDIX V
NM REGULATIONS**

**TITLE 19 NATURAL RESOURCES AND WILDLIFE
CHAPTER 15 OIL AND GAS**

**PART 9 SECONDARY OR OTHER ENHANCED RECOVERY, PRESSURE MAINTENANCE,
SALT WATER DISPOSAL, AND UNDERGROUND STORAGE**

19.15.9.1 ISSUING AGENCY: Energy, Minerals and Natural Resources Department.

[2-1-96; 19.15.9.1 NMAC - Rn, 19 NMAC 15.I.1, 11-30-00; A, 11-30-00]

19.15.9.2 SCOPE: All persons/entities engaged in oil and gas development and production within New Mexico.

[2-1-96; 19.15.9.2 NMAC - Rn, 19 NMAC 15.I.2, 11-30-00]

19.15.9.3 STATUTORY AUTHORITY: Sections 70-2-1 through 70-2-38 NMSA 1978 sets forth the Oil and Gas Act, which grants the Oil Conservation Division jurisdiction and authority over all matters relating to the conservation of oil and gas, the prevention of waste of oil and gas and of potash as a result of oil and gas operations, the protection of correlative rights and the disposition of wastes resulting from oil and gas operations.

[2-1-96; 19.15.9.3 NMAC - Rn, 19 NMAC 15.I.3, 11-30-00]

19.15.9.4 DURATION: Permanent.

[2-1-96; 19.15.9.4 NMAC - Rn, 19 NMAC 15.I.4, 11-30-00]

19.15.9.5 EFFECTIVE DATE: February 1, 1996, unless a later date is cited at the end of a section.

[2-1-96; 19.15.9.5 NMAC - Rn, 19 NMAC 15.I.5, 11-30-00; A, 11-30-00]

19.15.9.6 OBJECTIVE: To regulate secondary or other enhanced recovery, pressure maintenance, salt water disposal and underground storage to prevent waste, protect correlative rights and protect public health and the environment pursuant to the Oil and Gas Act.

[2-1-96; 19.15.9.6 NMAC - Rn, 19 NMAC 15.I.6, 11-30-00]

19.15.9.7 DEFINITIONS: Reserved.

[2-1-96; 19.15.9.7 NMAC - Rn, 19 NMAC 15.I.7, 11-30-00]

19.15.9.8-700 [RESERVED]

[2-1-96; 19.15.9.8-700 NMAC - Rn, 19 NMAC 15.I.7-700, 11-30-00]

19.15.9.701 INJECTION OF FLUIDS INTO RESERVOIRS:

A. Permit for injection required. The injection of gas, liquefied petroleum gas, air, water or any other medium into any reservoir for the purpose of maintaining reservoir pressure or for the purpose of secondary or other enhanced recovery or for storage or the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the division after notice and hearing, unless otherwise provided herein. The division shall grant a permit for injection under 19.15.9.701 NMAC only to an operator who is in compliance with Subsection A of 19.15.1.40 NMAC. The division may revoke a permit for injection issued under 19.15.9.701 NMAC after notice and hearing if the operator is not in compliance with Subsection A of 19.15.1.40 NMAC.

B. Method of making application.

(1) The operator shall apply for authority to inject gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of water flood projects, enhanced recovery projects, pressure maintenance projects and salt water disposal, by submitting form C-108 complete with all attachments.

(2) The applicant shall furnish, by certified or registered mail, a copy of the application to each owner of the surface of the land on which each injection or disposal well is to be located and to each leasehold operator or other "affected person" within any tract wholly or partially contained within one-half mile of the well. Affected person shall mean the (a) division designated operator; (b) in the absence of an operator, any lessee whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date he files the application; and (c) in the absence of an operator or lessee, any mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date he filed the application.

C. Administrative approval.

(1) If the application is for administrative approval rather than for a hearing, it shall also be accompanied by a copy of a legal publication the applicant published in a newspaper of general circulation in the county in which the proposed injection well is located. The legal publication's contents shall include the (a) name, address, phone number and contact party for the applicant; (b) the injection well's intended purpose, with the exact location of single wells or the section, township and range location of multiple wells; (c) the formation name and depth with

expected maximum injection rates and pressures; and (d) a notation that interested parties must file objections or requests for hearing with the division within 15 days.

(2) The division shall not approve an application for administrative approval until 15 days following the division's receipt of form C-108 complete with all attachments including evidence of mailing as required under Paragraph (2) of Subsection B of 19.15.9.701 NMAC and proof of publication as required by Paragraph (1) of Subsection C of 19.15.9.701 NMAC.

(3) If the division does not receive an objection within said 15-day period, and a hearing is not otherwise required, the division may approve the application administratively.

D. Hearings. If a written objection to any application for administrative approval of an injection well is filed within 15 days after receipt of a complete application, or if a hearing is required pursuant to 19.15.9.701 NMAC or deemed advisable by the division director, the division shall set the application for hearing and give notice of the hearing.

E. Salt water disposal wells.

(1) The division director shall have authority to grant an exception to the hearing requirements of Subsection A of 19.15.9.701 NMAC for water disposal wells only when the waters to be disposed of are mineralized to such a degree as to be unfit for domestic, stock, irrigation or other general use, and when said waters are to be disposed of into a formation older than Triassic (Lea county only) and provided the division receives no objections pursuant to Subsection C of 19.15.9.701 NMAC.

(2) The division shall not permit disposal into zones containing waters having total dissolved solids concentrations of 10,000 mg/l or less except after notice and hearing, provided however, that the division may establish exempted aquifers for such zones wherein the division may administratively approve such injection.

(3) Notwithstanding the provisions of Paragraph (2) of Subsection E of 19.15.9.701 NMAC, the division director may authorize disposal into such zones if the waters to be disposed of are of higher quality than the native water in the disposal zone.

F. Pressure maintenance projects.

(1) Pressure maintenance projects are defined as those projects in which fluids are injected into the producing horizon in an effort to build up or maintain the reservoir pressure in an area that has not reached the advanced or "stripper" state of depletion.

(2) The division shall set all applications for establishment of pressure maintenance projects for hearing. The division shall fix the project area and the allowable formula for any pressure maintenance project on an individual basis after notice and hearing.

(3) The division may authorize an operator to expand a pressure maintenance projects and place additional wells on injection only after notice and hearing or by administrative approval.

(4) The division director shall have authority to grant an exception to the hearing requirements of Subsection A of 19.15.9.701 NMAC for the conversion to injection of additional wells within a project area provided that any such well is necessary to develop or maintain efficient pressure maintenance within such project and provided that the division receives no objections pursuant to Subsection C of 19.15.9.701 NMAC.

(5) An established pressure maintenance project shall have only one designated operator. Any application for exception must be set for hearing.

G. Water flood projects.

(1) Water flood projects are defined as those projects in which water is injected into a producing horizon in sufficient quantities and under sufficient pressure to stimulate the production of oil from other wells in the area, and shall be limited to those areas in which the wells have reached an advanced state of depletion and are regarded as what is commonly referred to as "stripper" wells.

(2) The division shall set all applications for establishment of water flood projects for hearing.

(3) The project area of a water flood project shall comprise the proration units a given operator owns or operates upon which injection wells are located plus all proration units the same operator owns or operates that directly or diagonally offset the injection tracts and have producing wells completed on them in the same formation; provided however, that the division may include in the project area additional proration units not directly or diagonally offsetting an injection tract if, after notice and hearing, the operator has established that such additional units have wells completed thereon that have experienced a substantial response to water injection.

(4) The allowable the division assigns to wells in a water flood project area shall be equal to the wells' ability to produce and shall not be subject to the depth bracket allowable for the pool nor to the market demand percentage factor.

(5) Nothing herein contained shall be construed as prohibiting the assignment of special allowables to wells in buffer zones after notice and hearing. The division may assign special allowables in the limited instances where it is established at a hearing that it is imperative for the protection of correlative rights to do so.

(6) The division shall authorize the expansion of water flood projects and the placement of additional wells on injection only after notice and hearing or by administrative approval.

(7) The division director shall have authority to grant an exception to the hearing requirements of Subsection A of 19.15.9.701 NMAC for conversion to injection of additional wells provided that any such well is necessary to develop or maintain thorough and efficient water flood injection for any authorized project and provided that the division receives no objections pursuant to Subsection C of 19.15.9.701 NMAC.

(8) An established water flood project shall have only one designated operator. The division shall set for hearing any application for exception.

H. Storage wells.

(1) The division director shall have authority to grant an exception to the hearing requirements of Subsection A of 19.15.9.701 NMAC for the underground storage of liquefied petroleum gas or liquid hydrocarbons in secure caverns within massive salt beds, and provided the division receives no objections pursuant to Subsection C of 19.15.9.701 NMAC.

(2) In addition to the filing requirements of Subsection B of 19.15.9.701 NMAC, the applicant for approval of a storage well under 19.15.9.701 NMAC shall file the following:

(a) with the division director, a financial assurance in accordance with the provisions of 19.5.3.101 NMAC;

(b) with the appropriate district office of the division:

(i) form C-101, application for permit to drill, deepen or plug back;

(ii) form C-102, well location and acreage dedication plat; and

(iii) form C-105, well completion or recompletion report and log.

[1-1-50...2-1-96; 19.15.9.701 NMAC - Rn, 19 NMAC 15.I.701, 11-30-00; A, 5-31-05; A, 12/15/05]

19.15.9.702 CASING AND CEMENTING OF INJECTION WELLS:

Wells used for injection of gas, air, water or any other medium into any formation shall be cased with safe and adequate casing or tubing so as to prevent leakage, and such casing or tubing shall be so set and cemented as to prevent the movement of formation or injected fluid from the injection zone into any other zone or to the surface around the outside of any casing string.

[1-1-50...2-1-96; 19.15.9.702 NMAC - Rn, 19 NMAC 15.I.702, 11-30-00]

19.15.9.703 OPERATION AND MAINTENANCE:

A. Injection wells shall be equipped, operated, monitored and maintained to facilitate periodic testing and to assure continued mechanical integrity which will result in no significant leak in the tubular goods and packing materials used and no significant fluid movement through vertical channels adjacent to the well bore.

B. Injection project, including injection wells and producing wells and all related surface facilities shall be operated and maintained at all times in such a manner as will confine the injected fluids to the interval or intervals approved and prevent surface damage or pollution resulting from leaks, breaks or spills.

C. Failure of any injection well, producing well or surface facility, which failure may endanger underground sources of drinking water, shall be reported under the "immediate notification" procedure of Rule 116.

D. Injection well or producing well failures requiring casing repair or cementing are to be reported to the division prior to commencement of workover operations.

E. Injection wells or projects which have exhibited failure to confine injected fluids to the authorized injection zone or zones may be subject to restriction of injection volume and pressure, or shut-in, until the failure has been identified and corrected.

[7-1-81...2-1-96; 19.15.9.703 NMAC - Rn, 19 NMAC 15.I.703, 11-30-00]

19.15.9.704 TESTING, MONITORING, STEP-RATE TESTS, NOTICE TO THE DIVISION, REQUESTS FOR PRESSURE INCREASES:

A. Testing.

(1) Prior to commencement of injection and any time tubing is pulled or the packer is resealed, wells shall be tested to assure the integrity of the casing and the tubing and packer, if used, including pressure testing of the casing-tubing annulus to a minimum of 300 psi for 30 minutes or such other pressure and/or time as may be approved by the appropriate district supervisor. A pressure recorder shall be used and copies of the chart shall be submitted to the appropriate division district office within 30 days following the test date.

(2) At least once every five years thereafter, injection wells shall be tested to assure their continued mechanical integrity. Tests demonstrating continued mechanical integrity shall include the following:

(a) measurement of annular pressures in wells injecting at positive pressure under a packer or a balanced fluid seal; or,

(b) pressure testing of the casing-tubing annulus for wells injecting under vacuum conditions; or,

(c) such other tests which are demonstrably effective and which may be approved for use by the division.

(3) Notwithstanding the test procedures outlined above, the division may require more comprehensive testing of the injection wells when deemed advisable, including the use of tracer surveys, noise logs, temperature logs or other test procedures or devices.

(4) In addition, the division may order special tests to be conducted prior to the expiration of five years if conditions are believed to so warrant. Any such special test which demonstrates continued mechanical integrity of a well shall be considered the equivalent of an initial test for test scheduling purposes, and the regular five-year testing schedule shall be applicable thereafter.

(5) The injection well operator shall advise the division of the date and time any initial, five-year or special tests are to be commenced in order that such tests may be witnessed.

B. Monitoring. Injection wells shall be so equipped that the injection pressure and annular pressure may be determined at the wellhead and the injected volume may be determined at least monthly.

C. Step-rate tests, notice to the division, requests for injection pressure limit increases.

(1) Whenever an operator shall conduct a step-rate test for the purpose of increasing an authorized injection or disposal well pressure limit, notice of the date and time of such test shall be given in advance to the appropriate division district office.

(2) Copies of all injection or disposal well pressure-limit increase applications and supporting documentation shall be submitted to the division director and to the appropriate district office.

[7-1-81...2-1-96; 19.15.9.704 NMAC - Rn, 19 NMAC 15.I.704, 11-30-00]

19.15.9.705 COMMENCEMENT, DISCONTINUANCE, AND ABANDONMENT OF INJECTION OPERATIONS:

A. The following provisions apply to all injection projects, storage projects, salt water disposal wells and special purpose injection wells:

B. Notice of commencement and discontinuance.

(1) Immediately upon the commencement of injection operations in any well, the operator shall notify the division of the date such operations began.

(2) Within 30 days after permanent cessation of gas or liquefied petroleum gas storage operations or within 30 days after discontinuance of injection operations into any other well, the operator shall notify the division of the date of such discontinuance and the reasons therefore.

(3) Before any injection well is temporarily abandoned or plugged, the operator shall obtain approval from the appropriate district office of the division in the same manner as when temporarily abandoning or plugging oil and gas wells or dry holes.

C. Abandonment of injection operations.

(1) Whenever there is a continuous one year period of non-injection into any injection project, storage project, salt water disposal well, or special purpose injection well, such project or well shall be considered abandoned, and the authority for injection shall automatically terminate ipso facto.

(2) For good cause shown, the division director may grant an administrative extension or extensions of injection authority as an exception to Subsection C, Paragraph (1) above of 19.15.9.705 NMAC.

[1-1-50...2-1-96; 19.15.9.705 NMAC - Rn, 19 NMAC 15.I.705, 11-30-00; A, 11-30-00; A, 07-15-00]

19.15.9.706 RECORDS AND REPORTS:

A. The operator of an injection well or project for secondary or other enhanced recovery, pressure maintenance, natural gas storage, salt water disposal or injection of any other fluids shall keep accurate records and shall report monthly to the division gas or fluid volumes injected, stored and/or produced as required on the appropriate form listed below:

- (1) Secondary or other enhanced recovery on form C-115;
- (2) Pressure maintenance on form C-115 and as otherwise prescribed by the division;
- (3) Salt water disposal on form C-120-A;
- (4) Natural gas storage on form C-131-A; and
- (5) Injection of other fluids on a form prescribed by the division.

B. The operator of a liquefied petroleum gas storage project shall report annually on form C-131-B, annual LPG storage report.

[1-1-50...2-1-96; 19.15.9.706 NMAC - Rn, 19 NMAC 15.I.706, 11-30-00]

19.15.9.707 RECLASSIFICATION OF WELLS:

The division director shall have authority to reclassify an injection well from any category defined in Subsection B of 19.15.9.701 NMAC to any other category without notice and hearing upon request and proper showing by the operator thereof.

[7-1-81...2-1-96; 19.15.9.707 NMAC - Rn, 19 NMAC 15.I.707, 11-30-00]

19.15.9.708 TRANSFER OF AUTHORITY TO INJECT:

A. Authority to inject granted under any order of the division is not transferable except upon approval of the division. Approval of transfer of authority to inject may be obtained by filing form C-104 in accordance with Rule 1104 E.

B. The division may require a demonstration of mechanical integrity prior to approving transfer of authority to inject.

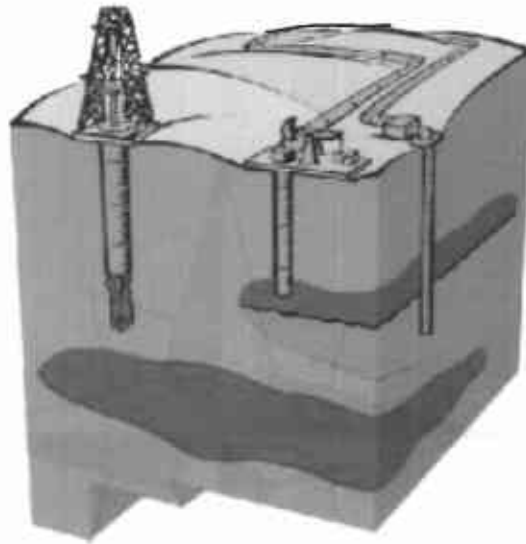
[1-1-50...2-1-96; 19.15.9.708 NMAC - Rn, 19 NMAC 15.I.708, 11-30-00]

**APPENDIX VI
UIC PROGRAM**

NEW MEXICO'S

Underground Injection
Control (UIC) Program

CLASS II WELL FACTS



Injection Wells Related
To Oil and Gas Activity

Oil Conservation Division
Energy, Minerals and Natural Resources Department
Santa Fe, New Mexico

Information Only

INTRODUCTION

Regulated by the Oil Conservation Division for several decades, underground injection has been an essential production practice utilized by the petroleum industry in New Mexico to dispose of produced liquid and to enhance the recovery of oil in producing fields (Please see Figure 1). In the past, the realization that subsurface injection could contaminate ground water prompted New Mexico and other states to develop State programs or methods to protect subsurface sources of usable water. Additionally, to increase ground water protection, a Federal Underground Injection Control (UIC) program was established under the provisions of the Safe Water Drinking Act of 1974 for the purpose of establishing minimum requirements for effective state UIC programs. Since ground water is a major source of drinking water in New Mexico, the UIC program requirements were designed to prevent contamination of underground sources of drinking water (USDW) by the operation on injection wells.

Since the passage of the Safe Drinking Water Act, New Mexico has modified existing and developed new strategies to protect ground water by establishing more effective regulation and rules to control the permitting, construction, operation, monitoring, and abandonment of injection wells.

The United States Environmental Protection Agency (USEPA) has delegated primary regulatory authority (primacy) to those states, including New Mexico, that have implemented UIC programs that meet USEPA requirements. Many states like New Mexico have had oil and gas programs in place for decades. We have been able to demonstrate that our existing programs for Class II wells represent an effective measure to prevent endangerment of drinking water sources by underground injection well practices.

A well, as defined in Title 40 of the Code of Federal Regulations, is either a dug hole or a bored, drilled or driven shaft the depth of which is greater than its largest surface dimension. Injection is defined as the subsurface emplacement of fluids in a well, where a fluid is any material that flows or moves whether it is semi-solid, liquid, sludge or gas.



Figure 1

Major Waterflood Injection Areas of the State

Waterflooding and disposal are most often associated with oil production. The southeast portion of New Mexico accounts for approximately 95% of the injection activity as well as oil production. The northwest portion produces the majority of New Mexico's natural gas; consequently there is substantially less underground injection going on.

INJECTION WELL CLASSIFICATION

Injection wells covered by the UIC program are divided into the following five groups:

Class I: Subclassifications: Hazardous and Non-Hazardous. Wells used to inject liquid [non] hazardous wastes or dispose of industrial and municipal waste waters beneath the lower-most USDW.

Class II: Wells used to dispose of fluids associated with the production of oil and natural gas (hydrocarbons); to inject fluids for enhanced oil recovery; or for the storage of liquid hydrocarbons.

Class III: Wells used to inject fluids for the extraction of minerals (i.e. solution mining).

Class IV: Wells used to dispose of hazardous or radioactive wastes into or above a USDW. The USEPA has banned the use of these wells.

Class V: Wells not included in the other classes used generally to inject non-hazardous fluid into or above a USDW.

CLASS II INJECTION WELL TYPES

Class II injection wells have been used in oil field related activities since the 1930's. Today, there are approximately 6,000 active Class II wells located in New Mexico.

Class II injection wells are categorized into three main groups. They are (1) Salt Water Disposal Wells, (2) Enhanced Oil Recovery (EOR) Wells, and (3) Hydrocarbon Storage Wells.

SALT WATER DISPOSAL WELLS

The production of oil and gas is often accompanied by salt water. On average, approximately 10 barrels of salt water are produced with every barrel of crude oil. This water is reinjected into authorized geologic formations through disposal wells and EOR wells. One of the common forms of liquid waste disposal by the oil and gas industry is injection into non-hydrocarbon bearing geologic formations. These disposal wells have been used extensively to return the salt water associated with oil and gas production to the subsurface. Industry sources state that 30% of salt water produced with oil and gas onshore in the United States is disposed of via salt water disposal wells.

ENHANCED OIL RECOVERY WELLS

Enhanced Oil Recovery (EOR) injection wells are used to increase and prolong oil production from depleting oil producing fields. SECONDARY RECOVERY is an EOR process, commonly referred to as waterflooding. In this process salt water co-produced with oil and gas is reinjected into the oil producing horizon to drive oil into pumping wells, resulting in greater recovery of oil. TERTIARY RECOVERY is an EOR process which is employed after secondary recovery methods become inefficient or uneconomical. Tertiary recovery methods include the injection of gases, enhanced waters and steam in order to maintain and extend oil production. Approximately 60% of salt water produced with oil and gas onshore in the United States is injected into EOR wells. New Mexico is a leader in legislating tax incentives that encourage oil companies to institute these types of projects to boost the nation's supply of oil.

HYDROCARBON STORAGE WELLS

These wells are used for the underground storage of crude oil, liquified petroleum gas (LPG), and other liquid hydrocarbon products in naturally occurring rock formations. Often the same wells are designed for both injection and removal of the stored hydrocarbon storage wells are vital to our nation's strategic reserves.

CONSTRUCTION OF CLASS II WELLS

Construction of new Class II injection wells is subject to State and Federal regulations. Construction design must adequately confine injected fluids to the authorized zone as well as prevent the migration of fluids into USDWs. Through the permitting process for Class II injection wells, site-specific construction regulations can be imposed to meet any unusual circumstances.

Injection wells are drilled in to geologic rock formations that will accept the injected fluids. The fluid pressure, fracture pressure, and geological characteristics of the injection zone must be considered when evaluating a zone that may be suitable for injection. Confining zones generally overlie the injection zones. Confining zones are non-permeable zones that add to the environmental security of the well by restricting the upward movement of the injected fluids.

New injection wells are drilled and cased with steel pipe. The pipe is cemented in place to prevent the migration of fluids into USDWs. Figure 2 depicts an injection well construction diagram. It should be noted that the surface casing is commonly set below the base of the lowermost USDW and cemented back to the surface, preventing the movement of fluids into USDWs. Secondly, cement is placed behind the long string casing for several hundred feet above the injection zone to prevent injected fluids from migrating upward into the USDW. The long string casing and cement sheath are perforated in the injection zone to allow for fluid emplacement.

As shown in Figure 2, a typical injection well also has an interior string of pipe called tubing through which injection takes place. A packer is used to isolate the injection zone from the casing above the packer, and also helps to facilitate the detection of any leakage.

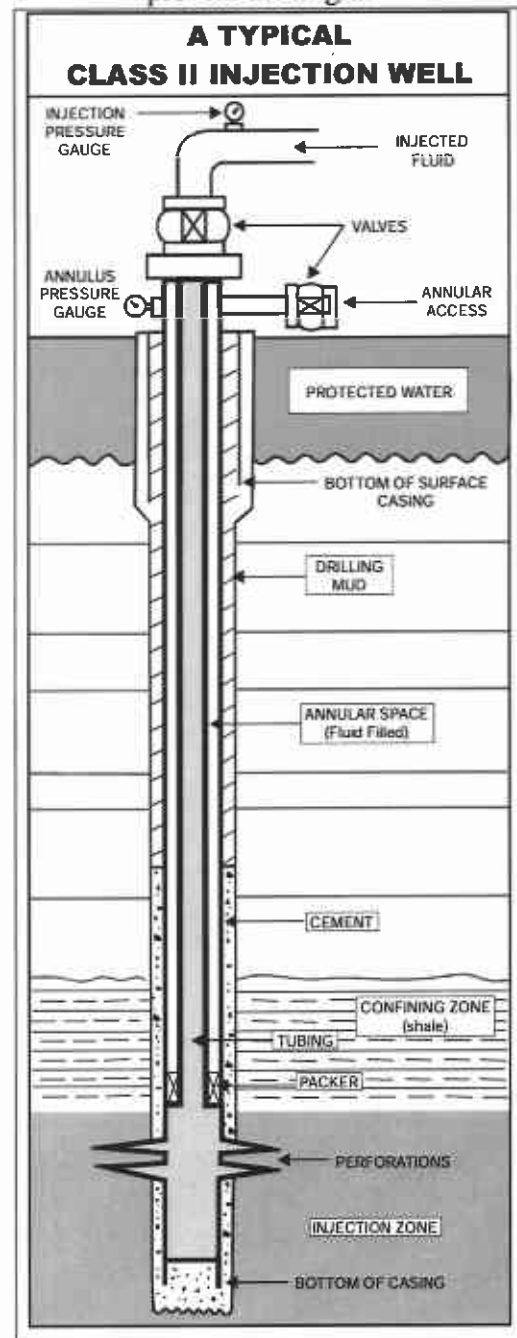


Figure 2

OPERATIONS

Injection well operations must be directed in such a manner as to prevent the contamination of USDWs and to ensure fluid emplacement and confinement within the authorized injection zone.

Typically, the oil, gas and salt water are separated at the oil and gas production facility. The salt water is then either piped or trucked to the injection site for disposal or EOR operations. There, the salt water is transferred to holding tanks and pumped down the injection well. For EOR, the salt water may be treated or augmented by other fluids prior to injection to maximize oil recovery in some EOR operations.

New Mexico, as well as other primacy states, has adopted its own regulations, which meet or exceed federal standards, concerning injection well operations in terms of maximum allowable injection pressures, mechanical integrity testing, pressure monitoring and reporting.

TESTING AND MONITORING

Continuous ground water protection is accomplished by testing and monitoring the injection wells after placing them in service. Injection pressures and volumes are monitored as a valuable indicator of well performance.

Downhole problems normally can be recognized through the monitoring of injection well pressures. Effective monitoring is important so that corrective action can be taken quickly to prevent endangerment of USDWs. Monitoring reports must be submitted to the appropriate State or Federal Agency for review.

Mechanical Integrity Tests (MITs) are required prior to initial injection and at a minimum of once every five years thereafter. Variations of acceptable tests and frequencies of the tests are determined on a state-by-state basis. For example, New Mexico utilizes a bradenhead test on an annual basis in addition to the pressure test every five years. These tests are utilized to evaluate the operational integrity of the well so that USDWs will not be endangered.

New Mexico's newest tool for monitoring operations and conditions of injection wells, in addition to scheduling all MITs, is known as the Risk Based Data Management System (RBDMS). The core system was developed by the Ground Water Protection Council, a national organization made up of State and Federal regulatory agencies, industry representatives and municipal officials. RBDMS New Mexico has been highly customized to meet the needs of New Mexico's program. It is used on notebook computers by inspectors in the field to record and track all relevant data in the constant business of protecting New Mexico's underground sources of drinking water.

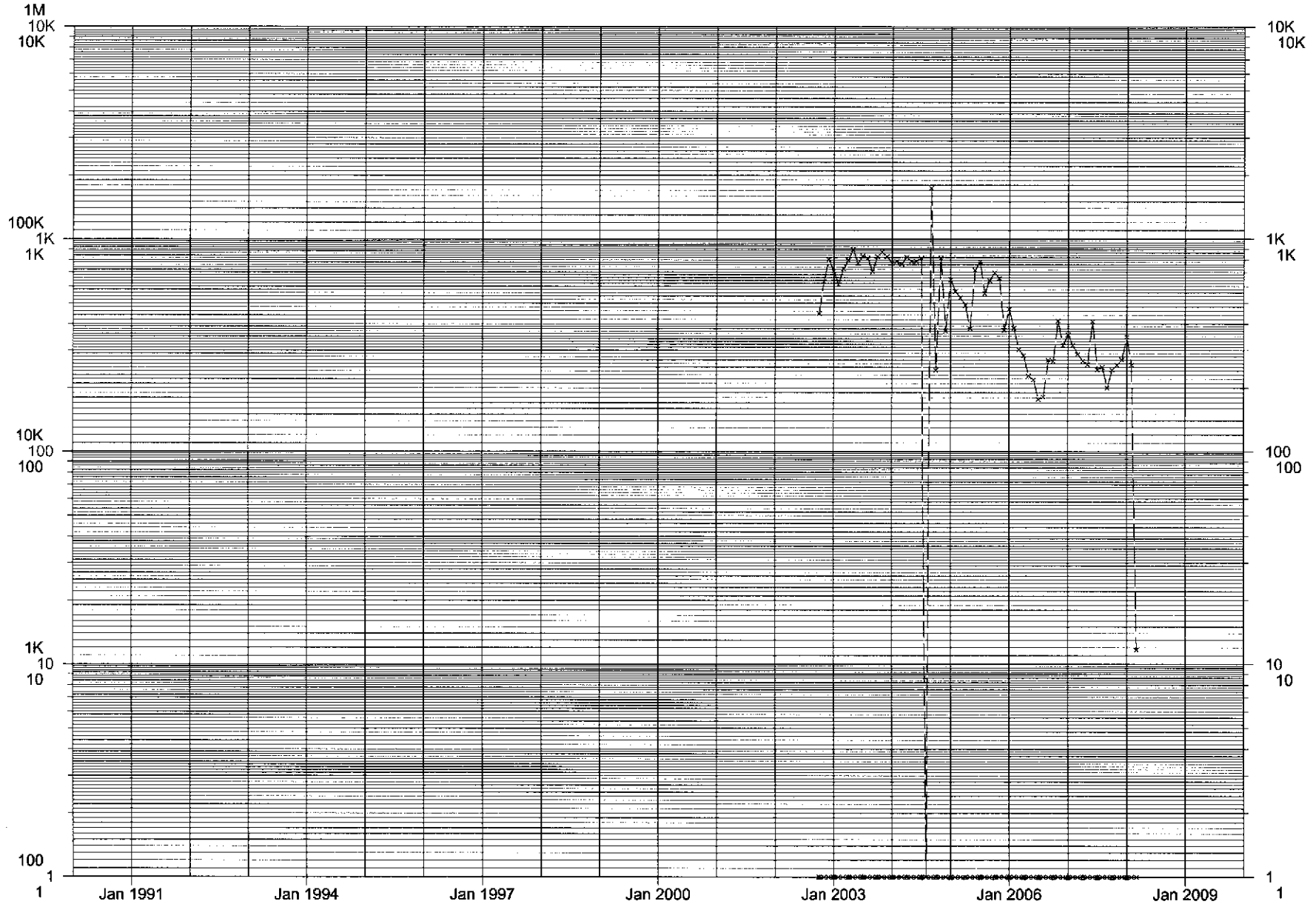
For More Information:

Oil Conservation Division
P. O. Box 6429
Santa Fe, New Mexico 87505
(505) 476-3466

**APPENDIX VII
RATE TIME GRAPHS**

Field: SWD (DELAWARE) 96100
 Operator: OXY USA INC 016696
 Lease Name: ARACANGA FEDERAL 001
 LPD ID: 300253165096100
 Location: 23S32E04O

County, State: LEA, NM
 Status and Date: ACT 2008/03/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲
 Monthly Number of Total Producing Wells ×

Rate Vs Time Graph All Data - Gas, Oil, Water

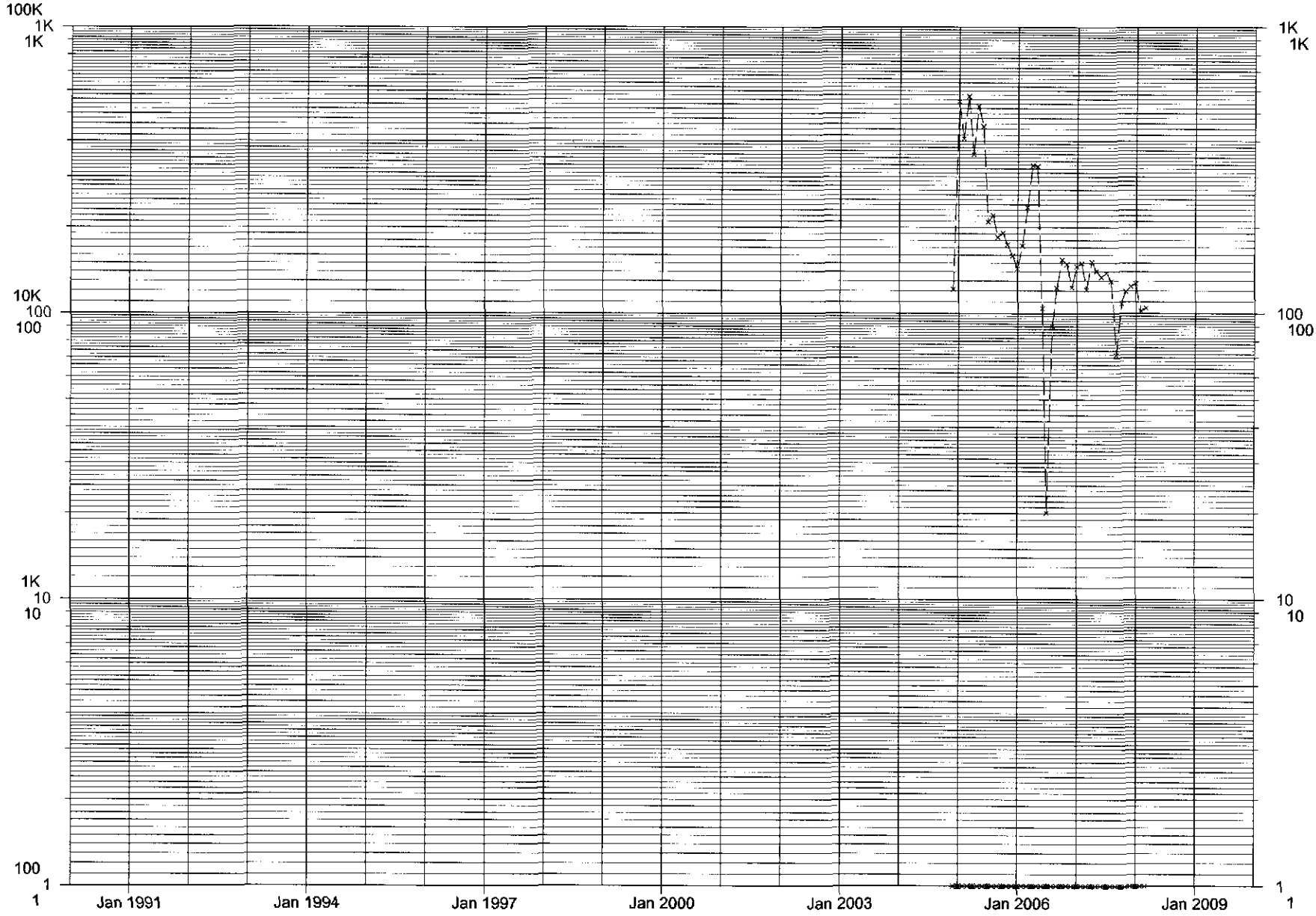
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: BARCLAY 11 H FEDERAL 001
 LPD ID: 300152541996100
 Location: 23S31E11H

County, State: EDDY, NM
 Status and Date: ACT 2004/12/16
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x-x

Rate Vs Time Graph All Data- Gas, Oil, Water

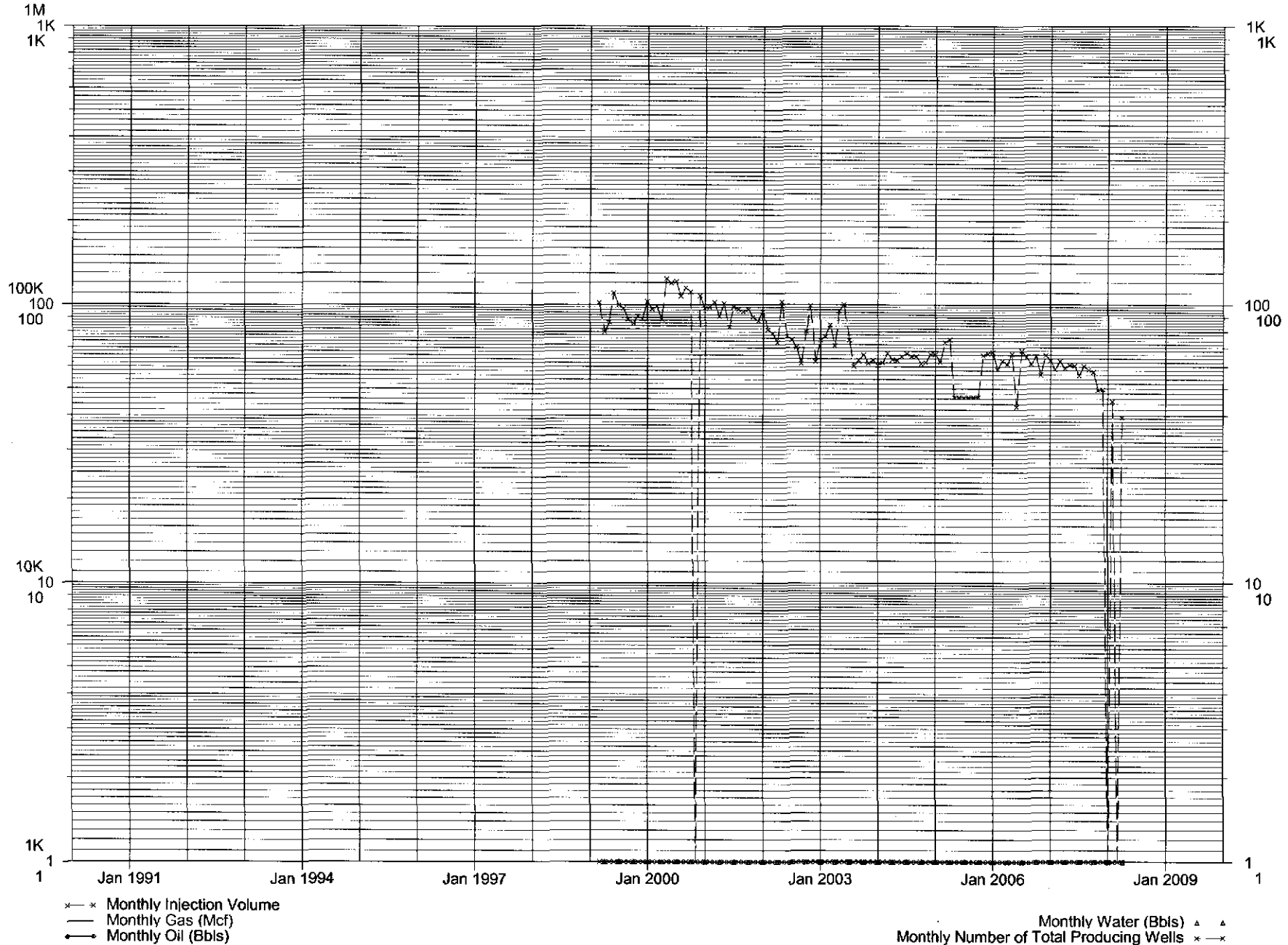
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Field: SWD (DELAWARE) 96100
Operator: FOREST OIL CORPORATION 008041
Lease Name: BARCLAY STATE 004
LPD ID: 300152979296100
Location: 23S31E020

County, State: EDDY, NM
Status and Date: ACT 2003/08/01
District: 2, Phase: GAS
Gas Cum: 0, Oil Cum: 0



Rate Vs Time Graph All Data- Gas, Oil, Water

CD Date: 200803

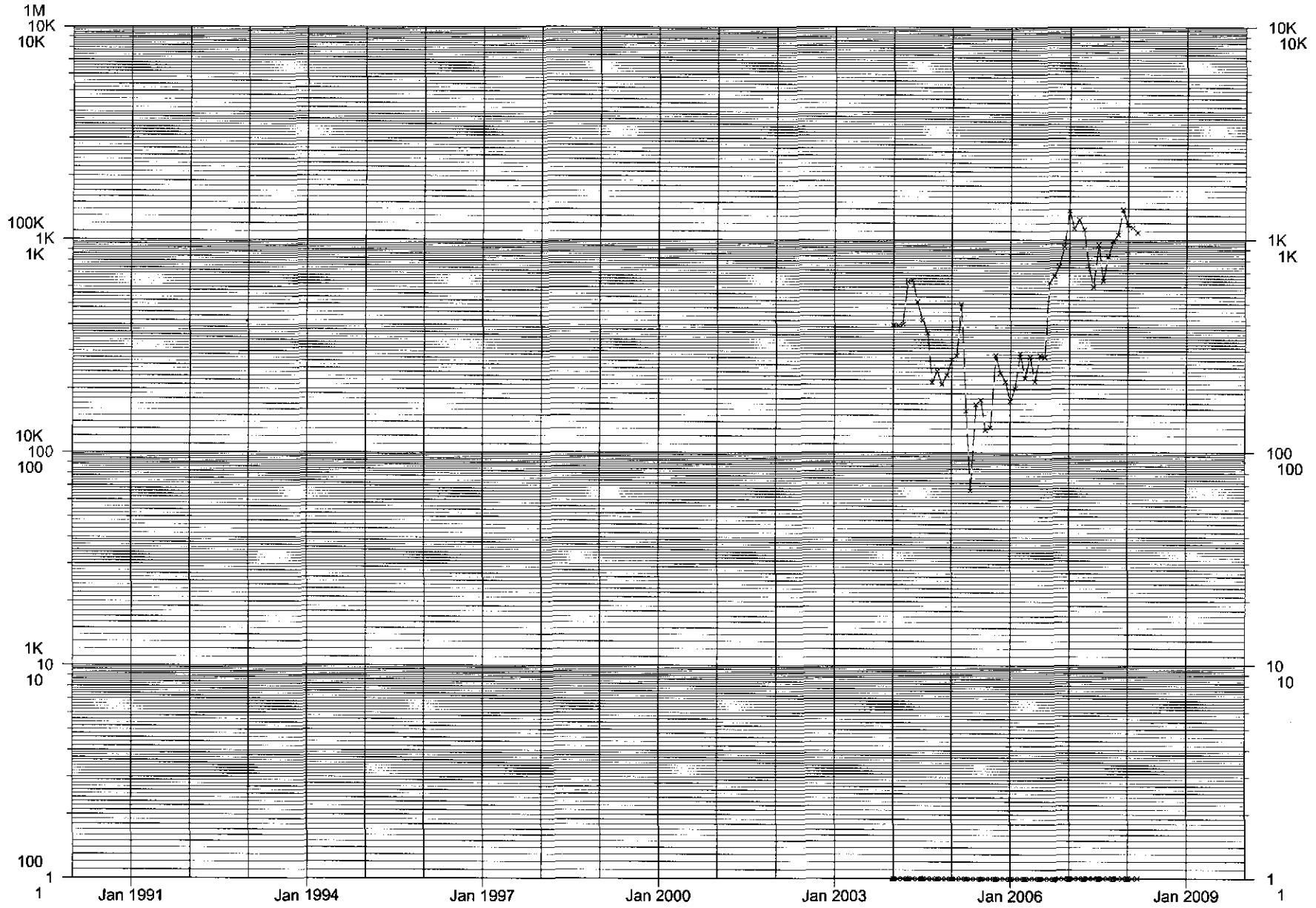
Monthly Water (Bbls) ▲ —
Monthly Number of Total Producing Wells x — x

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Field: SWD (DELAWARE) 96100
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: BILBREY SWD 001
 LPD ID: 300252762096100
 Location: 22S32E052

County, State: LEA, NM
 Status and Date: ACT 2004/01/06
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x-x

Rate Vs Time Graph All Data- Gas, Oil, Water

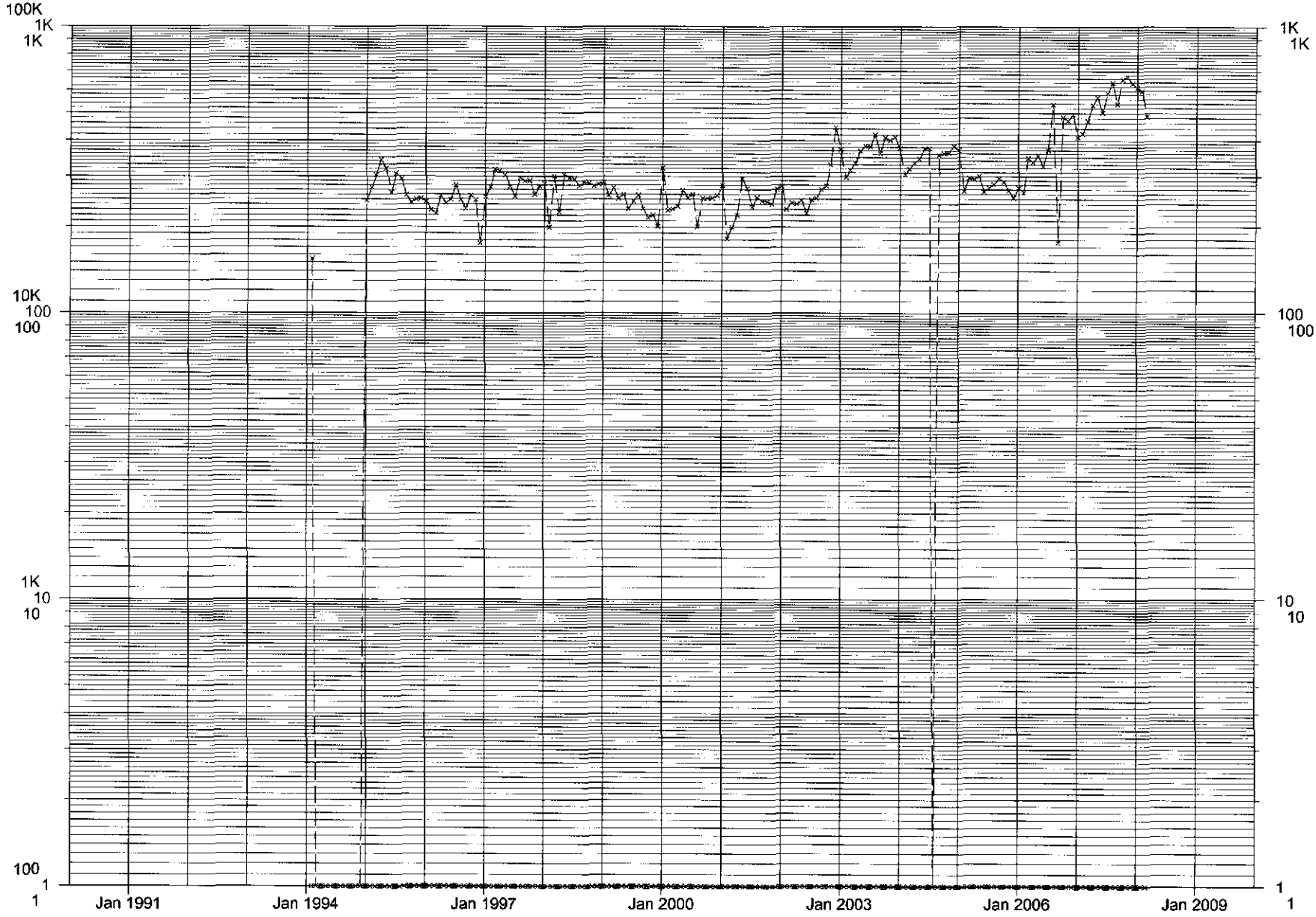
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Field: SWD (DELAWARE) 96100
 Operator: OXY USA INC 016696
 Lease Name: CAL-MON 005
 LPD ID: 300152564096100
 Location: 23S31E35G

County, State: EDDY, NM
 Status and Date: ACT 2008/03/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x * Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells * —

Rate Vs Time Graph All Data- Gas, Oil, Water

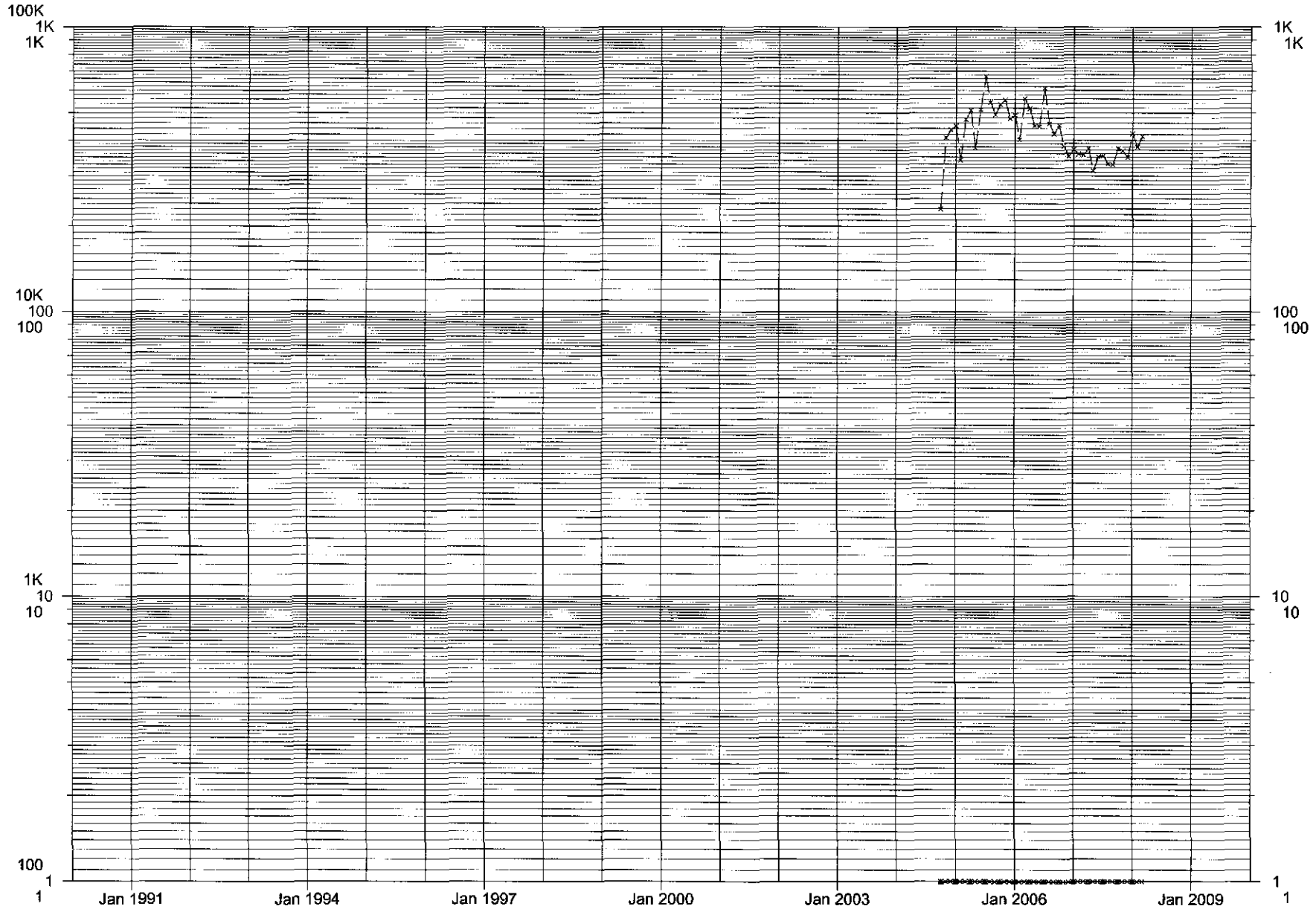
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Field: WC (MORROW (GAS)) 96070
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: CAMPANA 001
 LPD ID: 300152109896070
 Location: 22S31E065

County, State: EDDY, NM
 Status and Date: ACT 2004/08/12
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



* Monthly Injection Volume
 — Monthly Gas (Mcf)
 — Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells * —

Rate Vs Time Graph All Data- Gas, Oil, Water

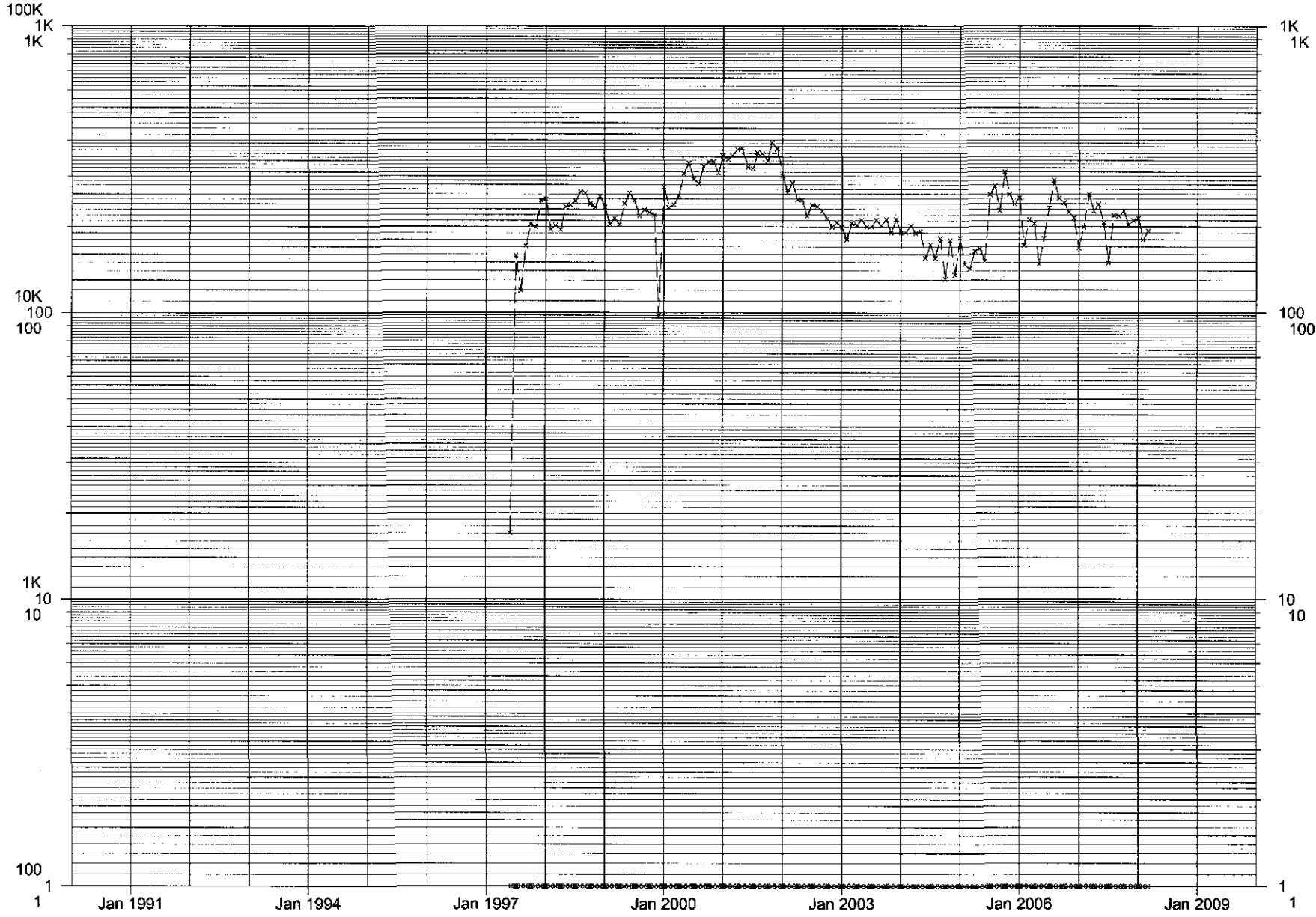
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Field: SWD (DELAWARE) 96100
 Operator: COG OPERATING LLC 229137
 Lease Name: CHARGER 29 FEDERAL 001
 LPD ID: 300152880896100
 Location: 23S30E29E

County, State: EDDY, NM
 Status and Date: ACT 2004/12/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x x

Rate Vs Time Graph All Data- Gas, Oil, Water

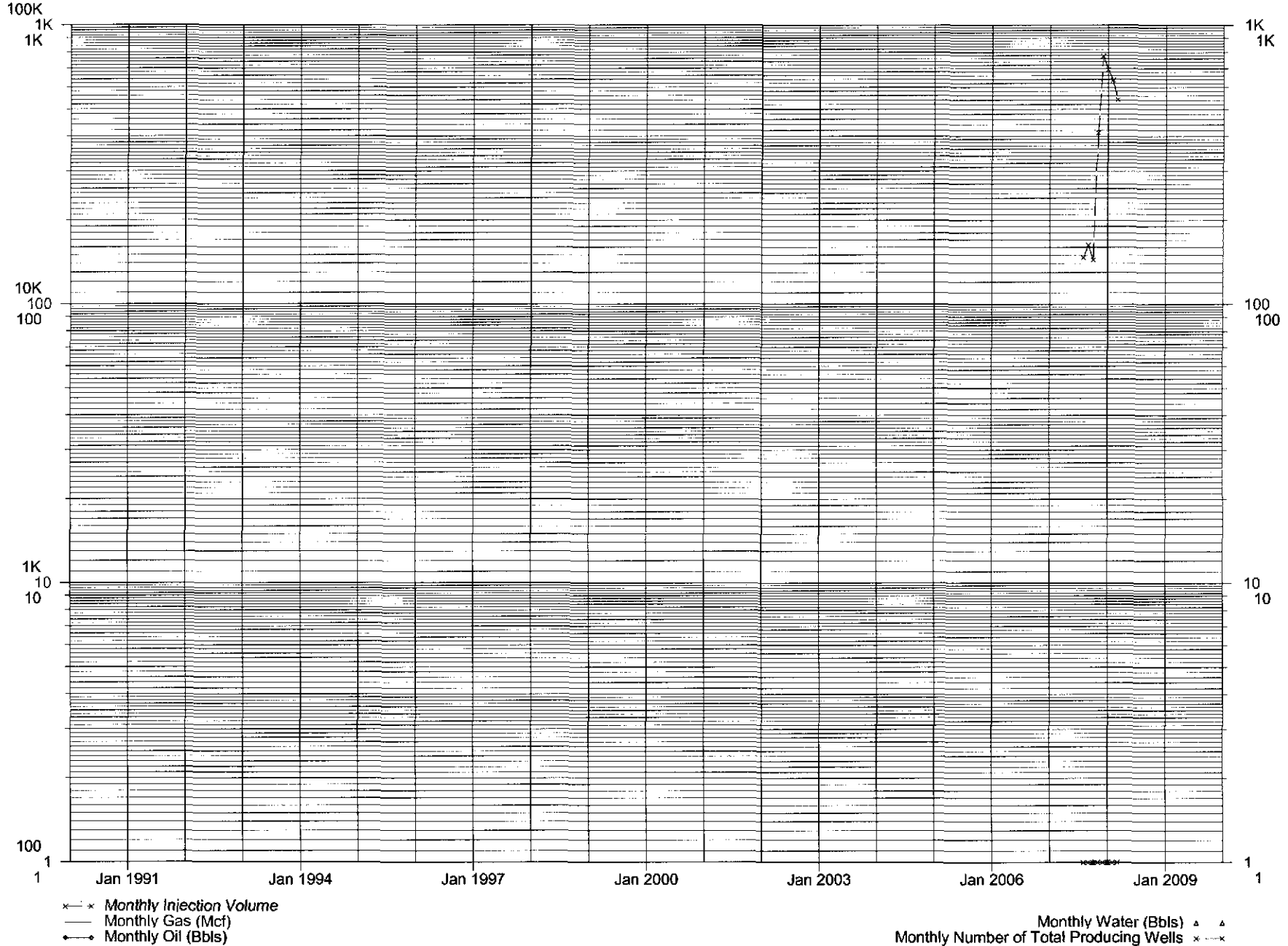
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Field: SWD (BELL CANYON-CHERRY CANYON) 96802
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: CLEARY FEDERAL SWD 002
 LPD ID: 300253192696802
 Location: 22S32E17D

County, State: LEA, NM
 Status and Date: ACT 2007/08/21
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x — x Monthly Injection Volume
 — Monthly Gas (Mcf)
 —◆— Monthly Oil (Bbls)

Monthly Water (Bbls) —▲—
 Monthly Number of Total Producing Wells —x—x

Rate Vs Time Graph All Data- Gas, Oil, Water

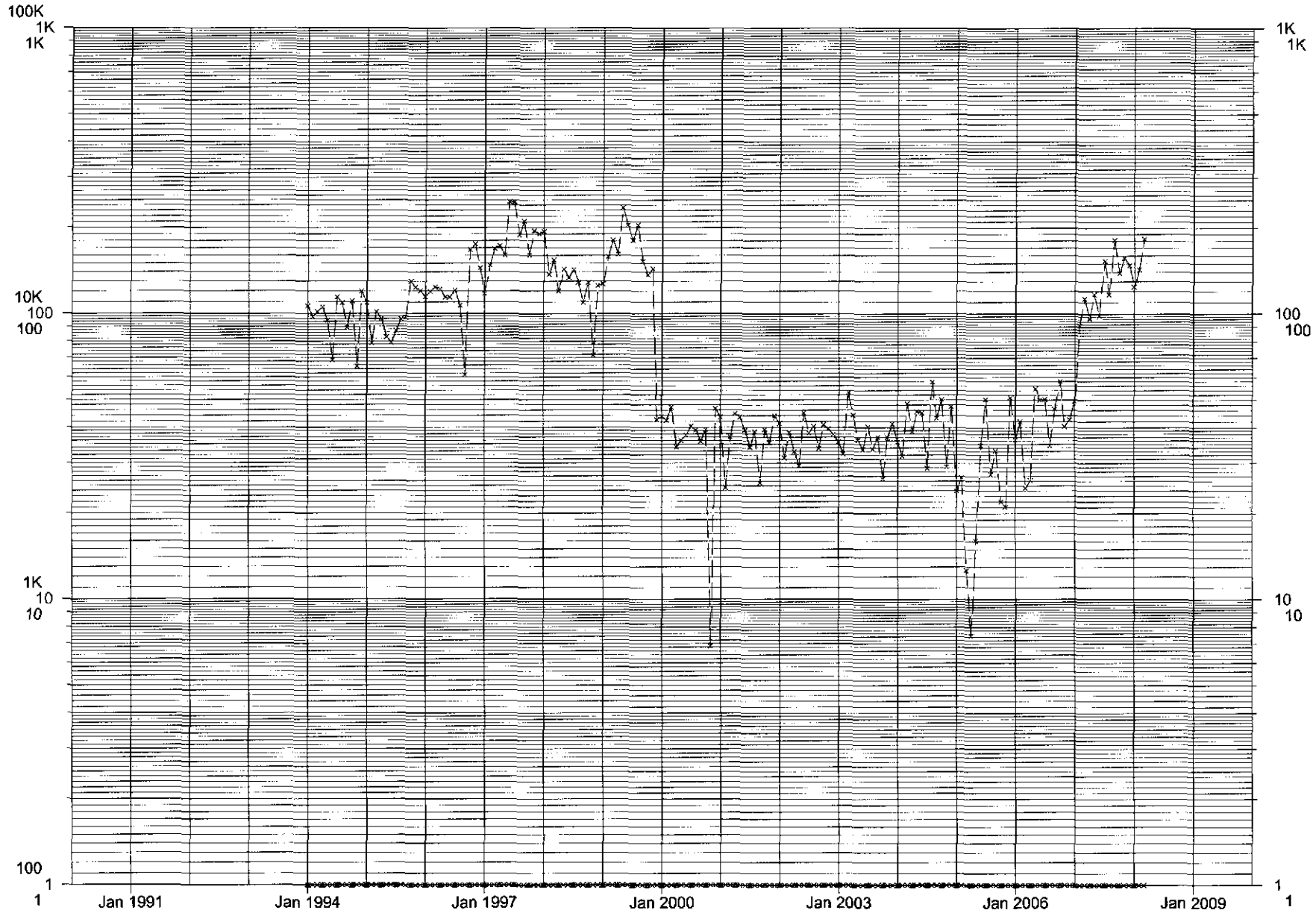
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Field: SWD (DELAWARE) 96100
 Operator: STRATA PRODUCTION CO 021712
 Lease Name: CUERVO FEDERAL 001
 LPD ID: 300252684496100
 Location: 23S32E14J

County, State: LEA, NM
 Status and Date: ACT 1994/06/07
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
 - - - Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × ×

Rate Vs Time Graph All Data- Gas, Oil, Water

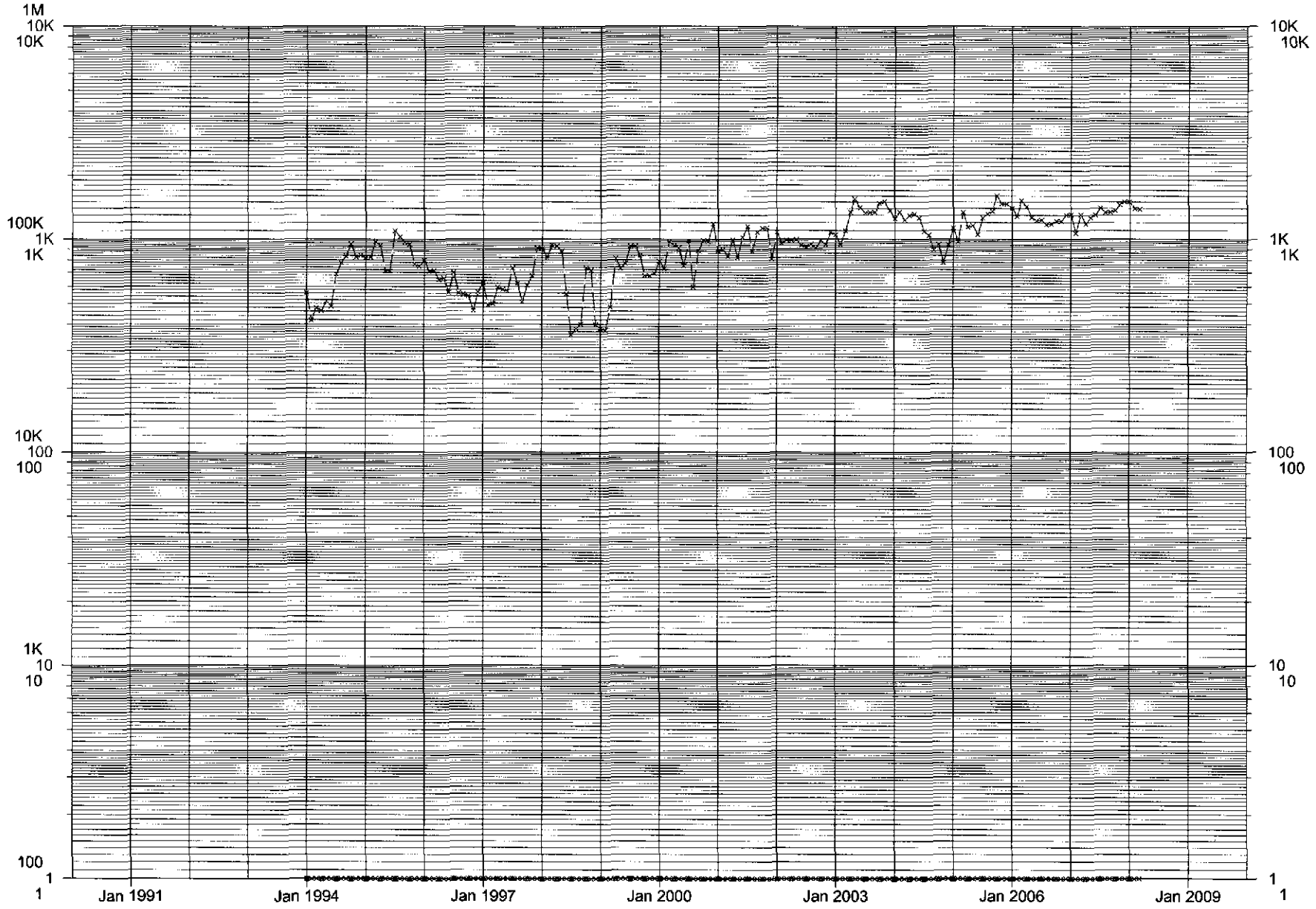
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Field: SWD (DELAWARE) 96100
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: DAVID ROSS FEDERAL SWD 001
 LPD ID: 300152662996100
 Location: 22S31E35H

County, State: EDDY, NM
 Status and Date: ACT 2007/09/25
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲
 Monthly Number of Total Producing Wells ×

Rate Vs Time Graph All Data- Gas, Oil, Water

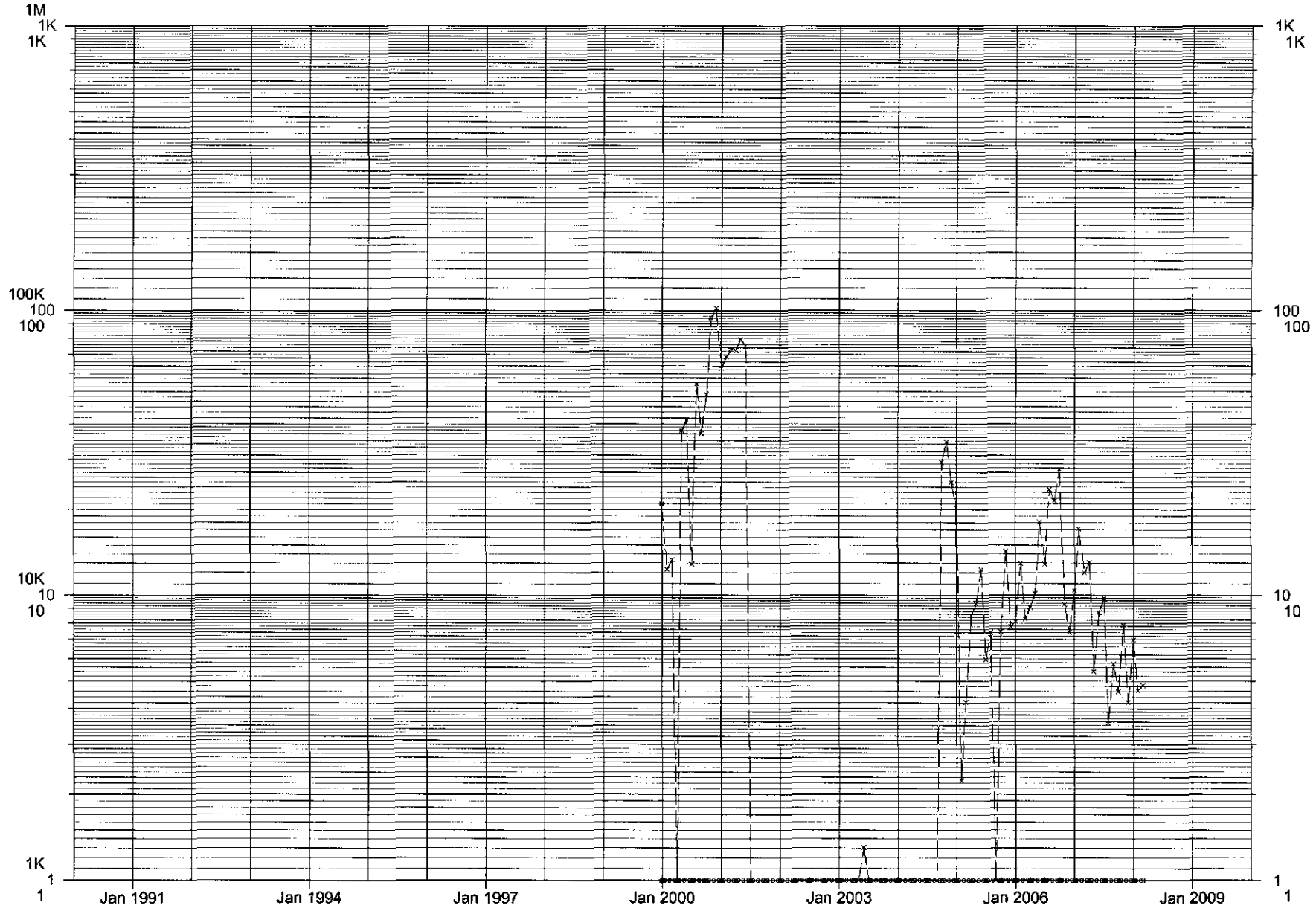
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Field: SWD (CHERRY CANYON) 97003
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: DIAMONDTAIL 23 FEDERAL 002
 LPD ID: 300253365397003
 Location: 23S32E23H

County, State: LEA, NM
 Status and Date: ACT 2001/07/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x —x

Rate Vs Time Graph All Data- Gas, Oil, Water

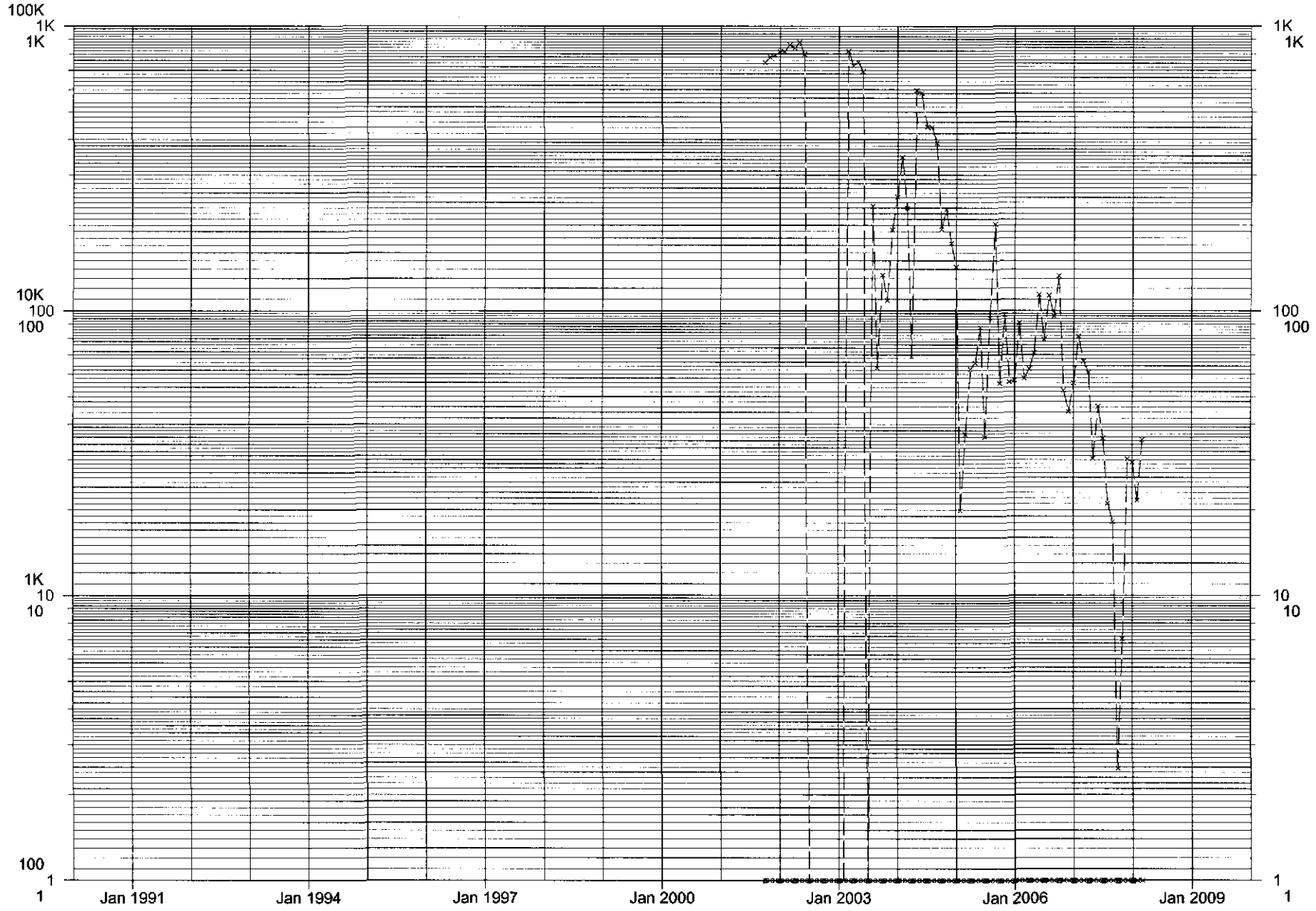
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Field: SWD (CHERRY CANYON) 97003
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: DIAMONDTAIL 24 FEDERAL A 001
 LPD ID: 300253352197003
 Location: 23S32E24E

County, State: LEA, NM
 Status and Date: ACT 2001/07/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× × Monthly Injection Volume
 ····· Monthly Gas (Mcf)
 ●—● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data - Gas, Oil, Water

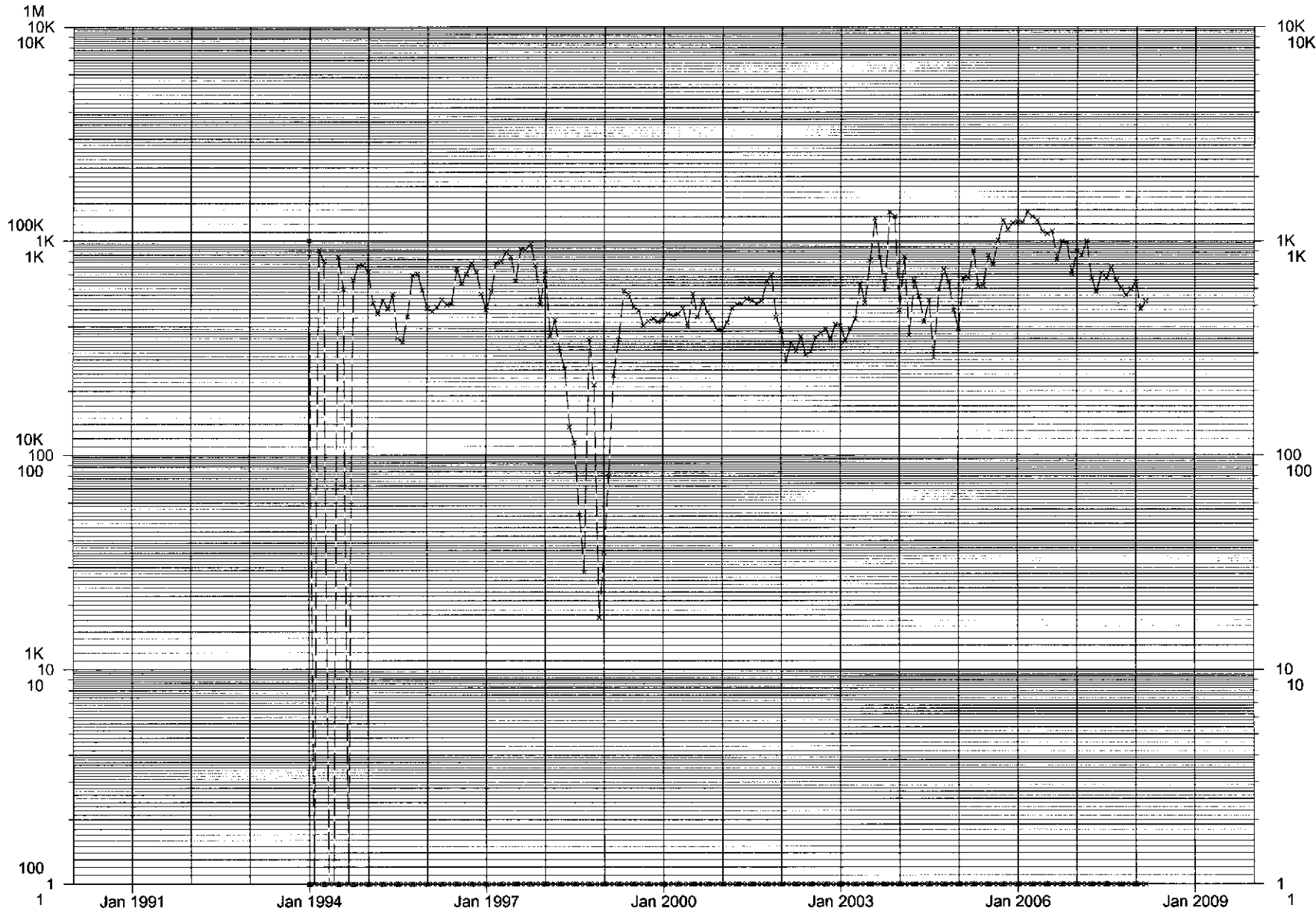
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Field: SWD (DELAWARE) 96100
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: FLAMENCO FEDERAL 001
 LPD ID: 300253107696100
 Location: 22S32E073

County, State: LEA, NM
 Status and Date: ACT 1994/05/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



—x— Monthly Injection Volume
 — Monthly Gas (Mcf)
 —●— Monthly Oil (Bbls)

—▲— Monthly Water (Bbls)
 —x— Monthly Number of Total Producing Wells

Rate Vs Time Graph All Data- Gas, Oil, Water

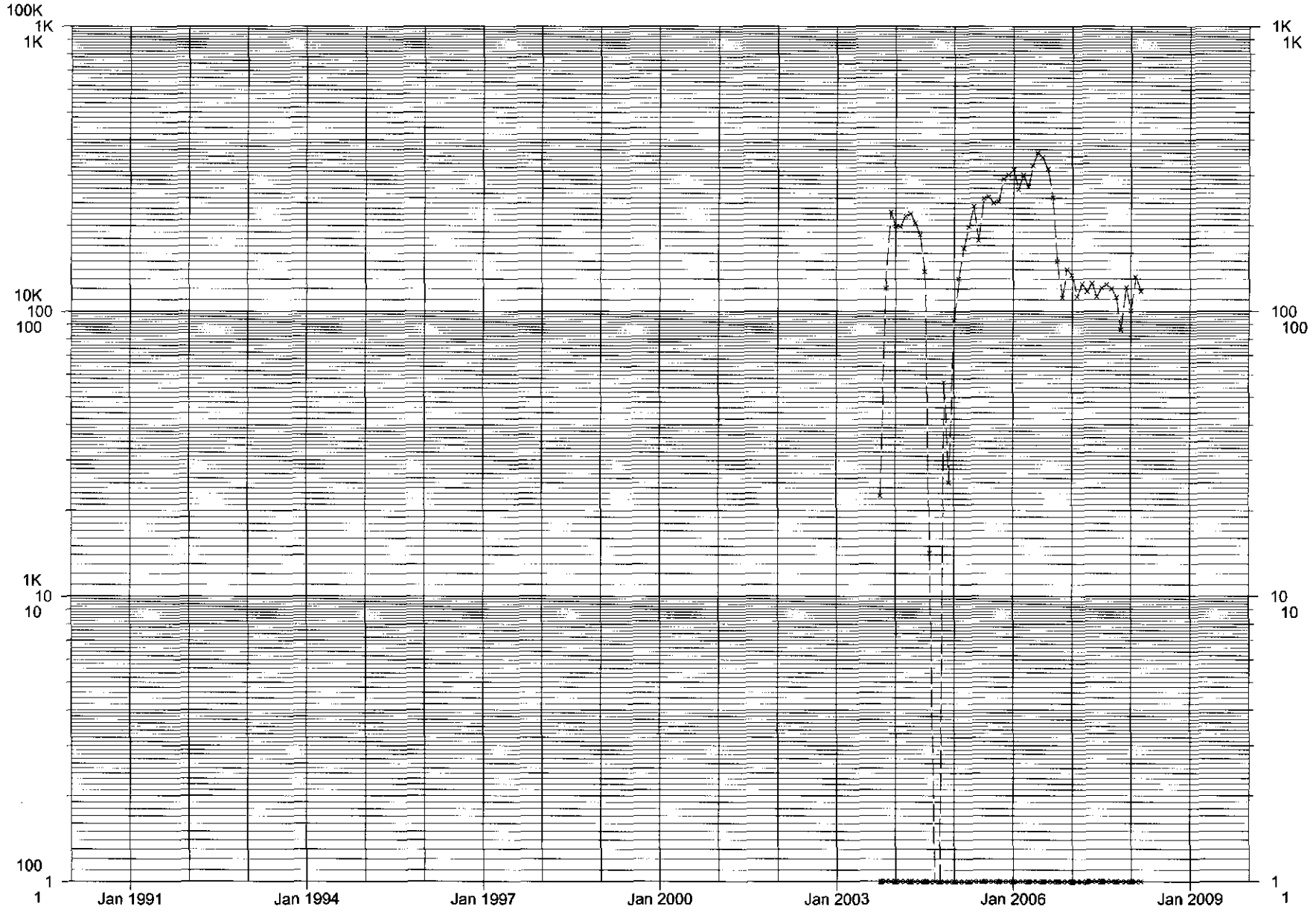
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Field: SWD (DELAWARE) 96100
Operator: STRATA PRODUCTION CO 021712
Lease Name: FORTY NINER RIDGE UNIT 001
LPD ID: 300152089996100
Location: 23S30E16J

County, State: EDDY, NM
Status and Date: ACT 2003/03/01
District: 2, Phase: GAS
Gas Cum: 0, Oil Cum: 0



— x Monthly Injection Volume
— Monthly Gas (Mcf)
— o Monthly Oil (Bbls)

— Δ Monthly Water (Bbls) Δ
— x Monthly Number of Total Producing Wells x —

Rate Vs Time Graph All Data- Gas, Oil, Water

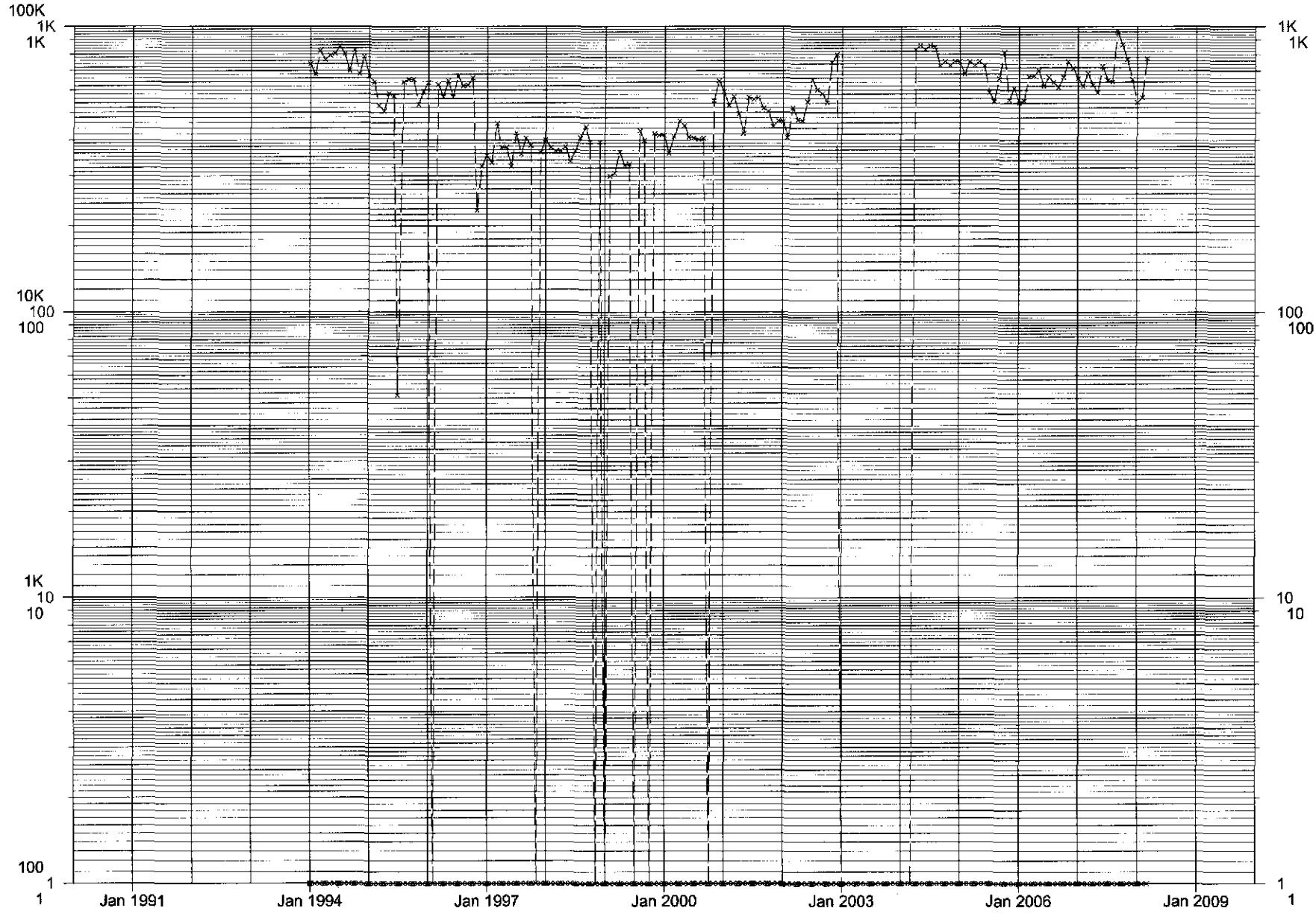
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Field: SWD (DELAWARE) 96100
 Operator: CHEVRON U S A INC 004323
 Lease Name: GETTY 24 FEDERAL 005
 LPD ID: 300152684896100
 Location: 22S31E24C

County, State: EDDY, NM
 Status and Date: ACT 2002/05/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ
 Monthly Number of Total Producing Wells ×

Rate Vs Time Graph All Data- Gas, Oil, Water

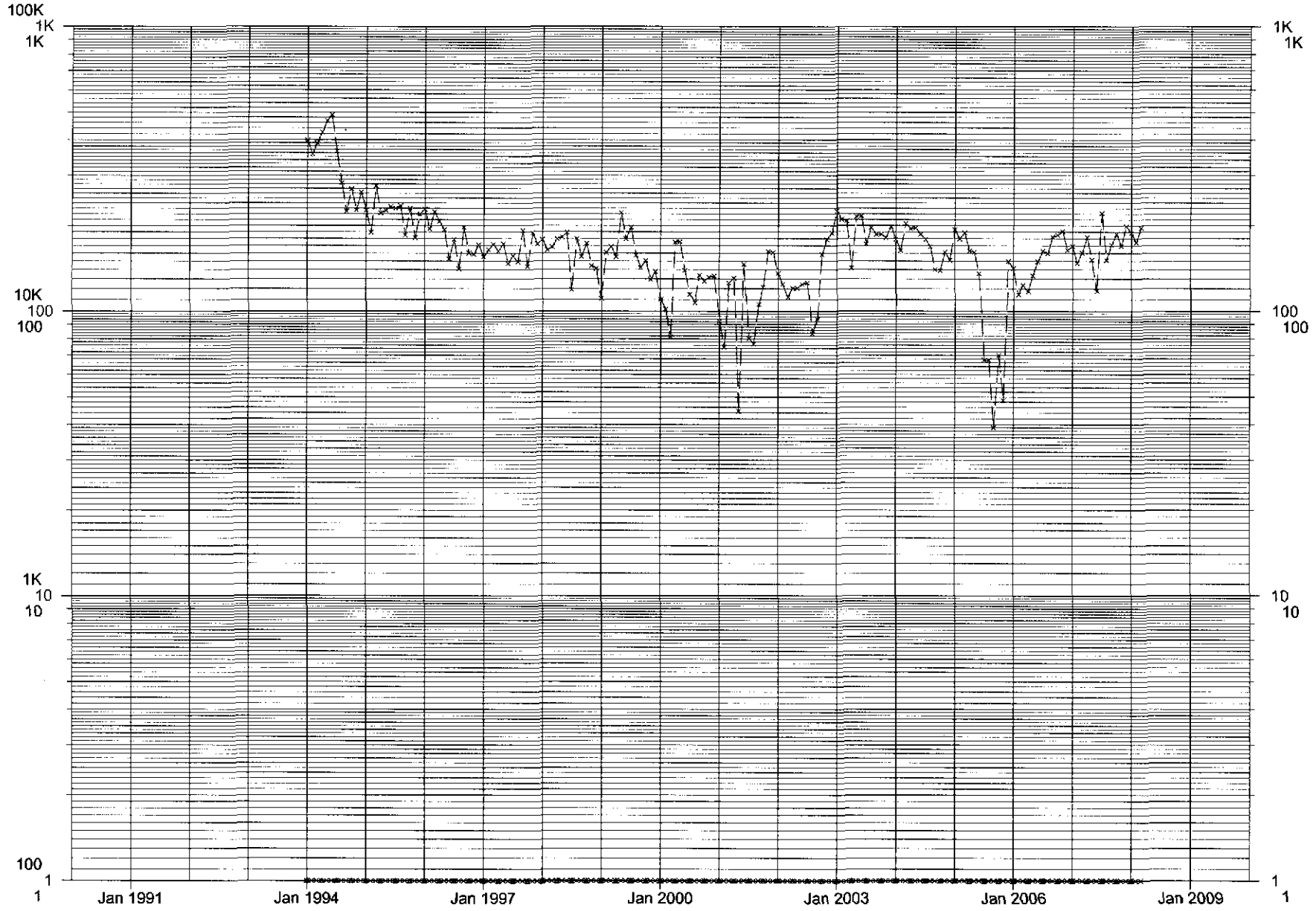
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: STRATA PRODUCTION CO 021712
 Lease Name: GILMORE 001
 LPD ID: 300250810996100
 Location: 22S32E21I

County, State: LEA, NM
 Status and Date: ACT 1992/08/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x Monthly Injection Volume
 . Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲
 Monthly Number of Total Producing Wells *

Rate Vs Time Graph All Data - Gas, Oil, Water

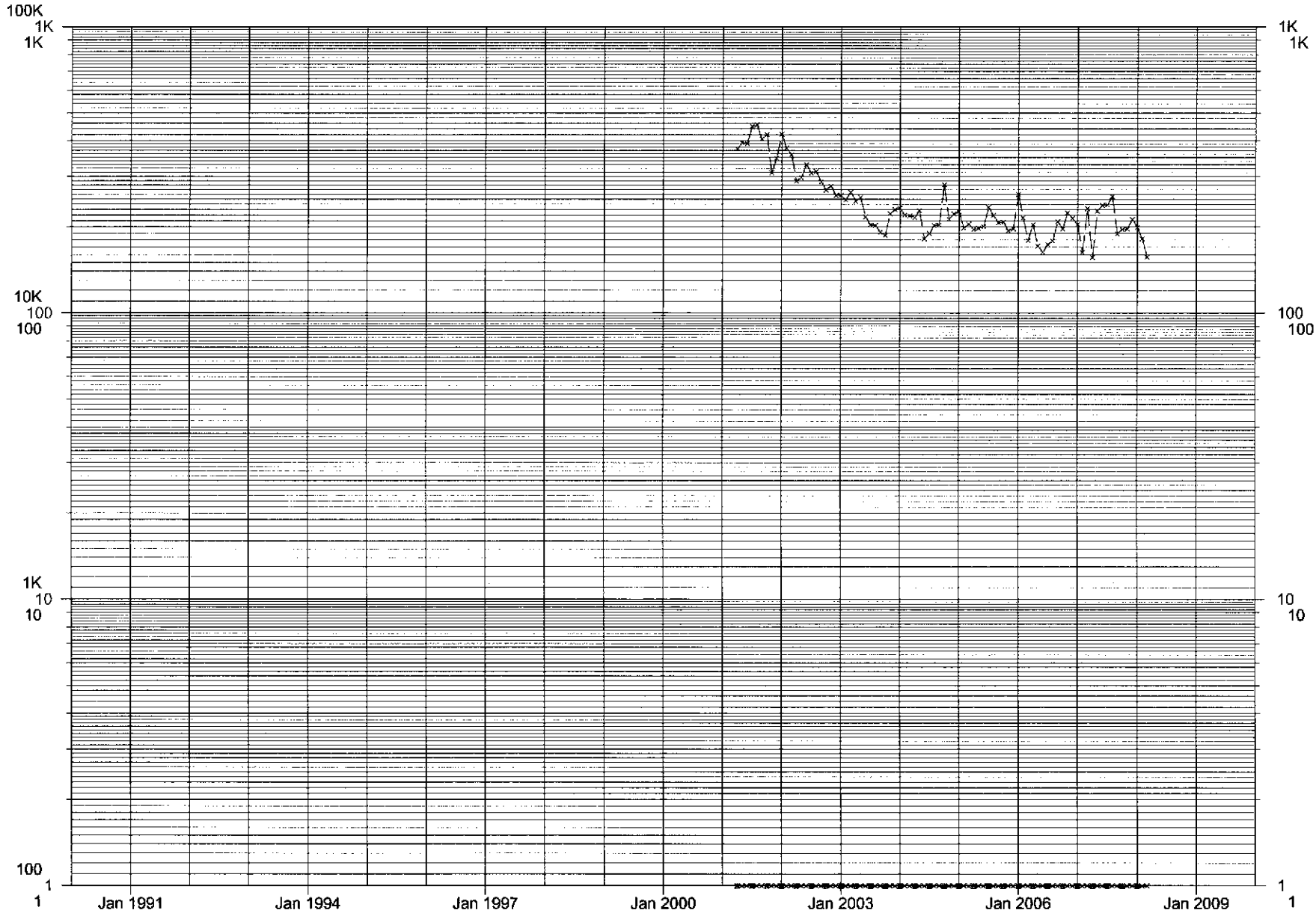
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: BEPCO, LP 001801
 Lease Name: HUDSON FEDERAL 001
 LPD ID: 300152105296100
 Location: 23S30E01F

County, State: EDDY, NM
 Status and Date: ACT 2001/04/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x * Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x * x

Rate Vs Time Graph All Data- Gas, Oil, Water

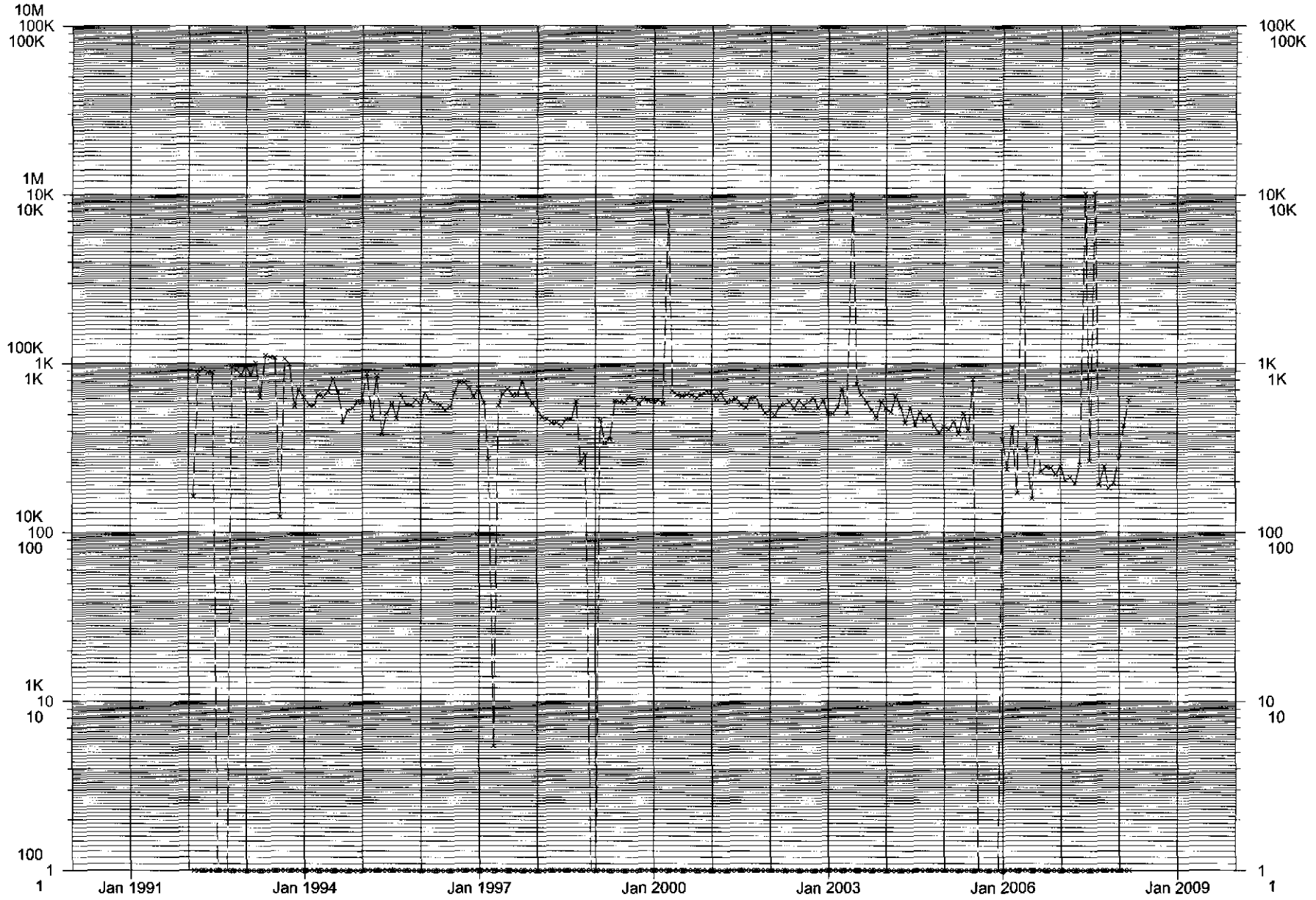
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Information Only

Field: CABIN LAKE (DELAWARE) 08435
 Operator: CONOCOPHILLIPS COMPANY 217817
 Lease Name: JAMES A 012
 LPD ID: 300152676108435
 Location: 22S30E02P

County, State: EDDY, NM
 Status and Date: ACT 2003/01/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ
 Monthly Number of Total Producing Wells x

Rate Vs Time Graph All Data- Gas, Oil, Water

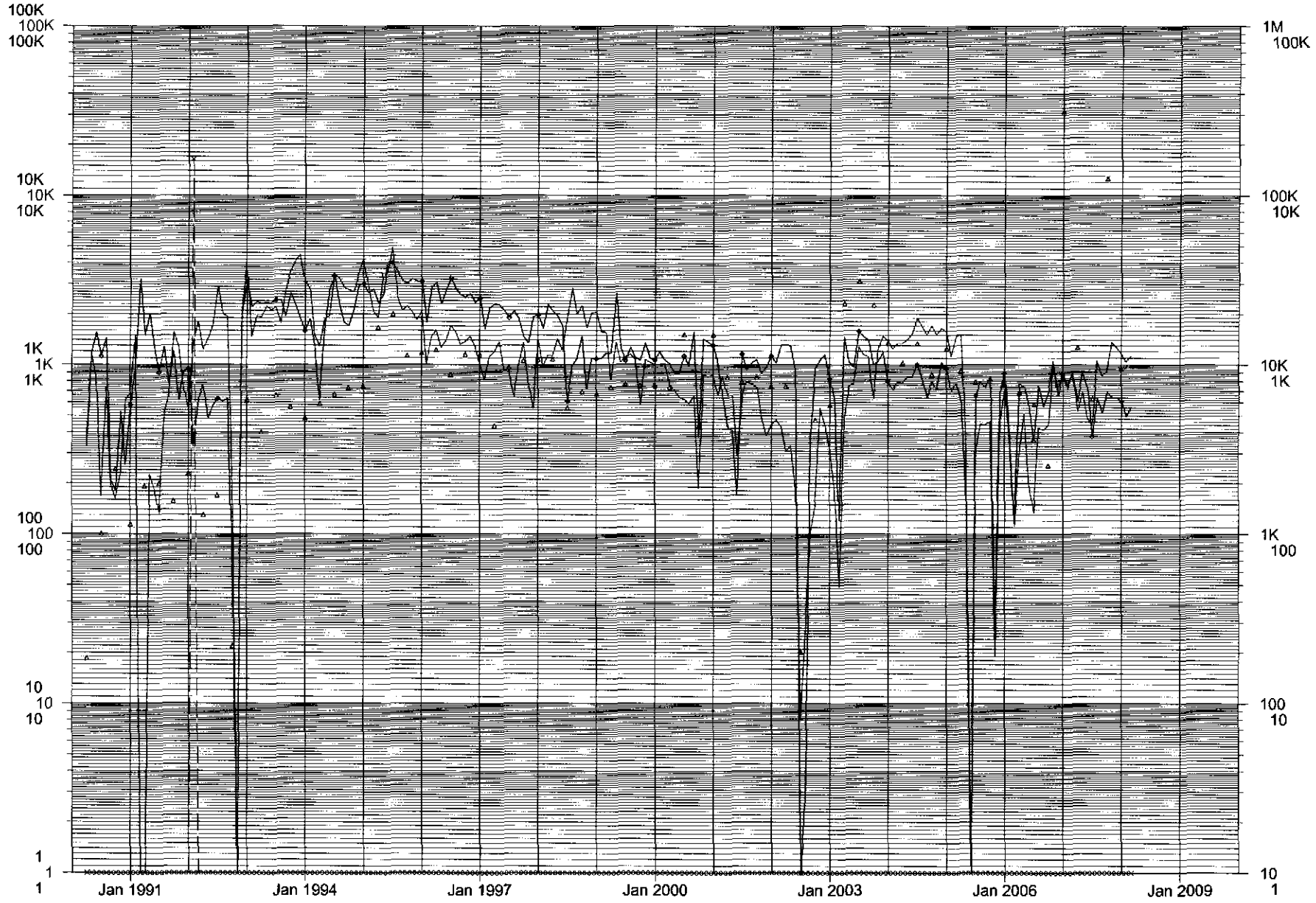
CD Date: 200803

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Information Only

Field: CABIN LAKE (DELAWARE) 08435
 Operator: CONOCOPHILLIPS COMPANY 217817
 Lease Name: JAMES A 007
 LPD ID: 300152623208435
 Location: 22S30E02P

County, State: EDDY, NM
 Status and Date: ACT 2003/01/01
 District: 2, Phase: OIL
 Gas Cum: 264721, Oil Cum: 287836



× × Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data- Gas, Oil, Water

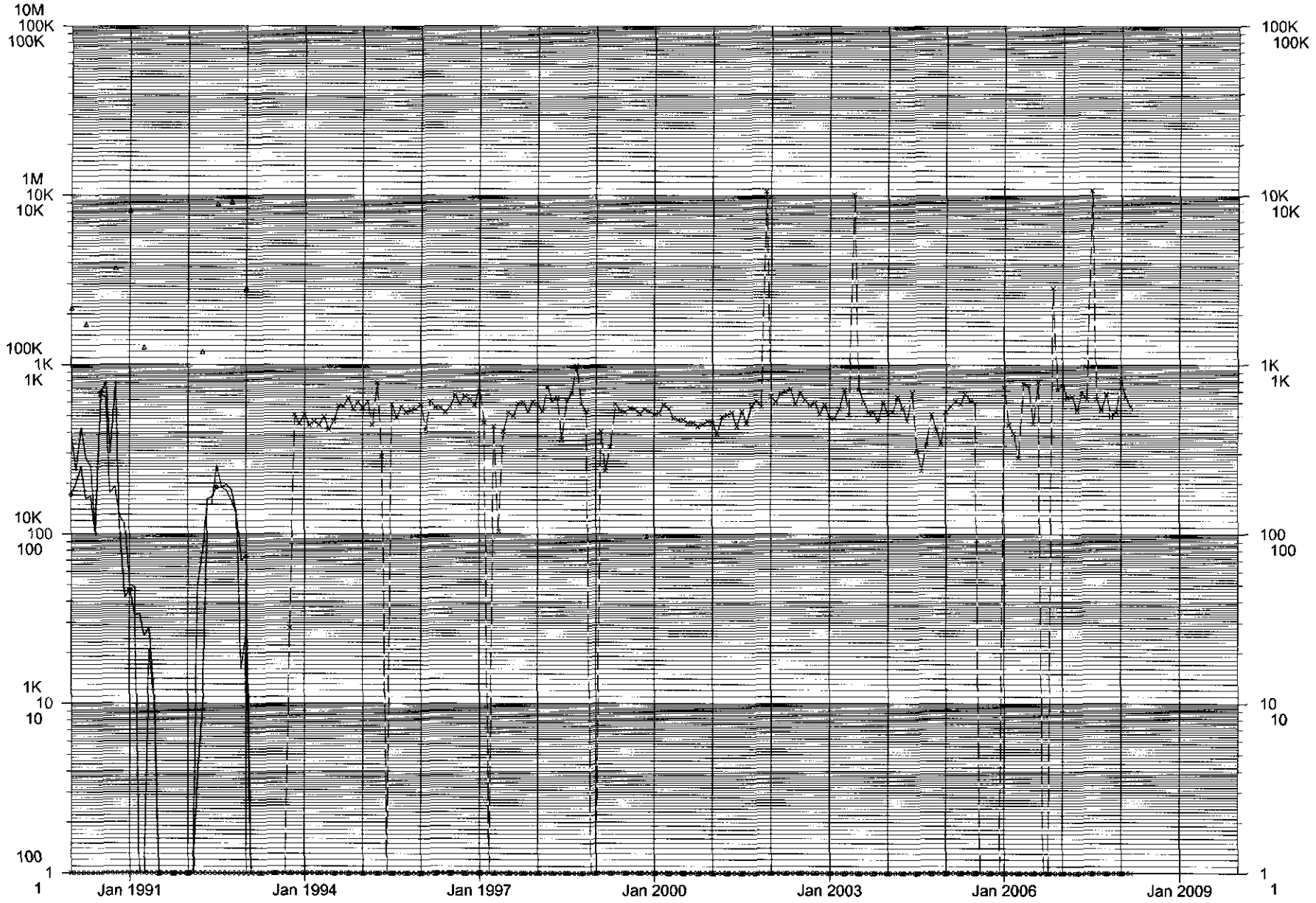
CD Date: 200803

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Information Only

Field: CABIN LAKE (DELAWARE) 08435
 Operator: CONOCOPHILLIPS COMPANY 217817
 Lease Name: JAMES A 003
 LPD ID: 300152575808435
 Location: 22S30E02K

County, State: EDDY, NM
 Status and Date: ACT 2003/01/01
 District: 2, Phase: GAS
 Gas Cum: 14274, Oil Cum: 9603



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x-x

Rate Vs Time Graph All Data- Gas, Oil, Water

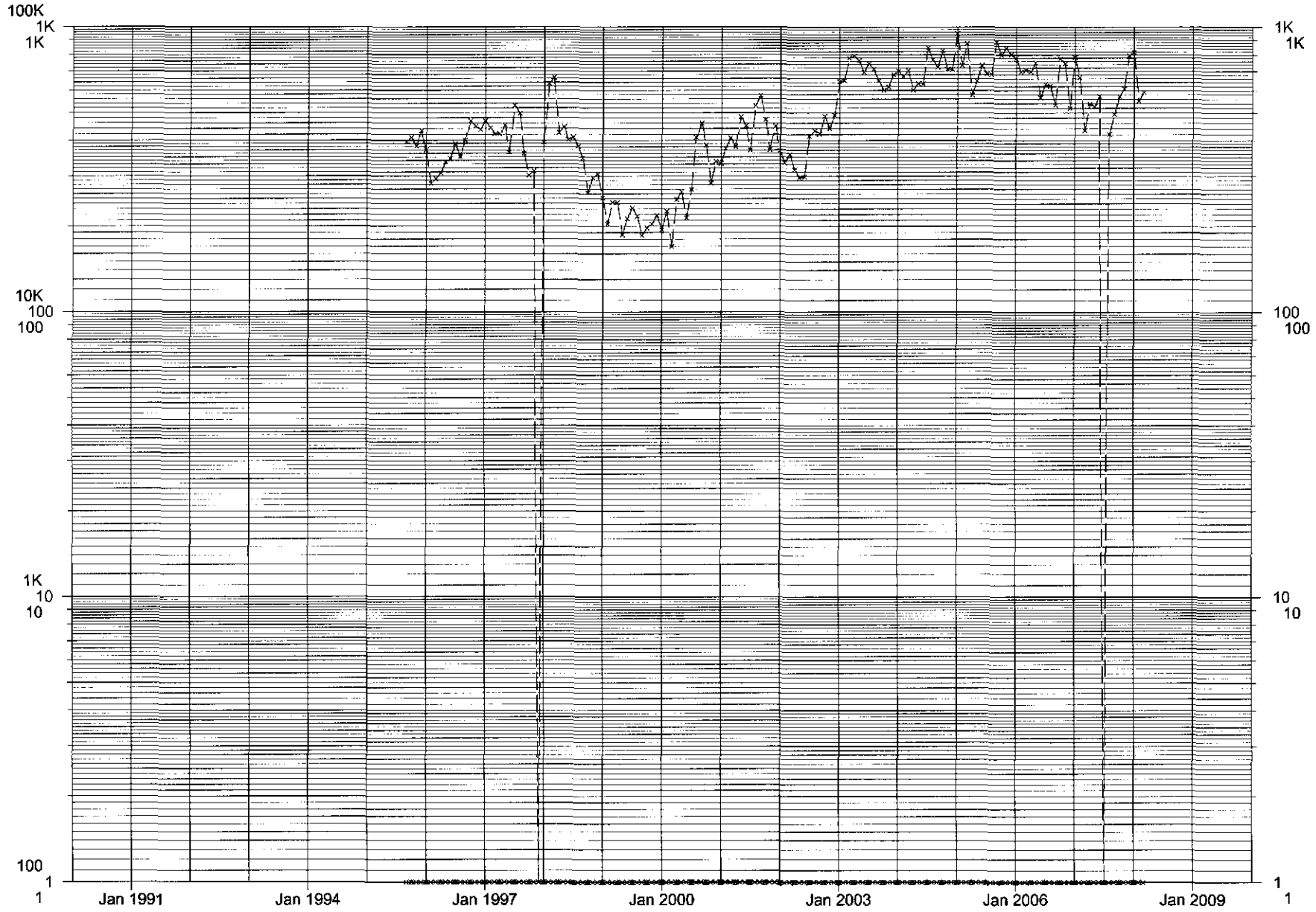
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: HARVARD PETROLEUM COMPANY, LLC 010155
 Lease Name: JAMES FEDERAL 001
 LPD ID: 300253151596100
 Location: 23S32E290

County, State: LEA, NM
 Status and Date: ACT 1994/01/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x x

Rate Vs Time Graph All Data - Gas, Oil, Water

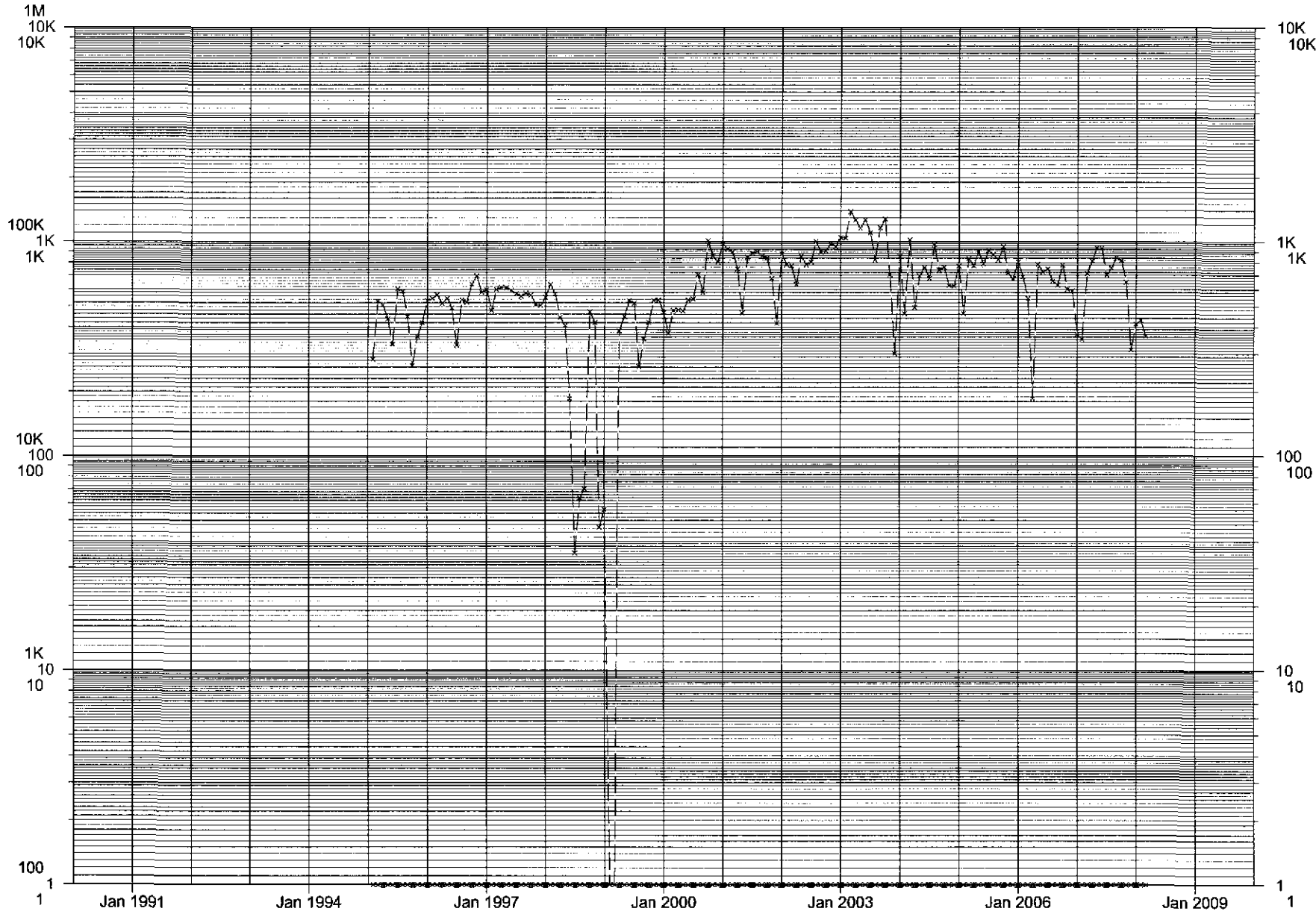
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: KIWI SWD 008
 LPD ID: 300253188996100
 Location: 22S32E16F

County, State: LEA, NM
 Status and Date: ACT 1994/11/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× * Monthly Injection Volume
 — Monthly Gas (Mcf)
 • Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data - Gas, Oil, Water

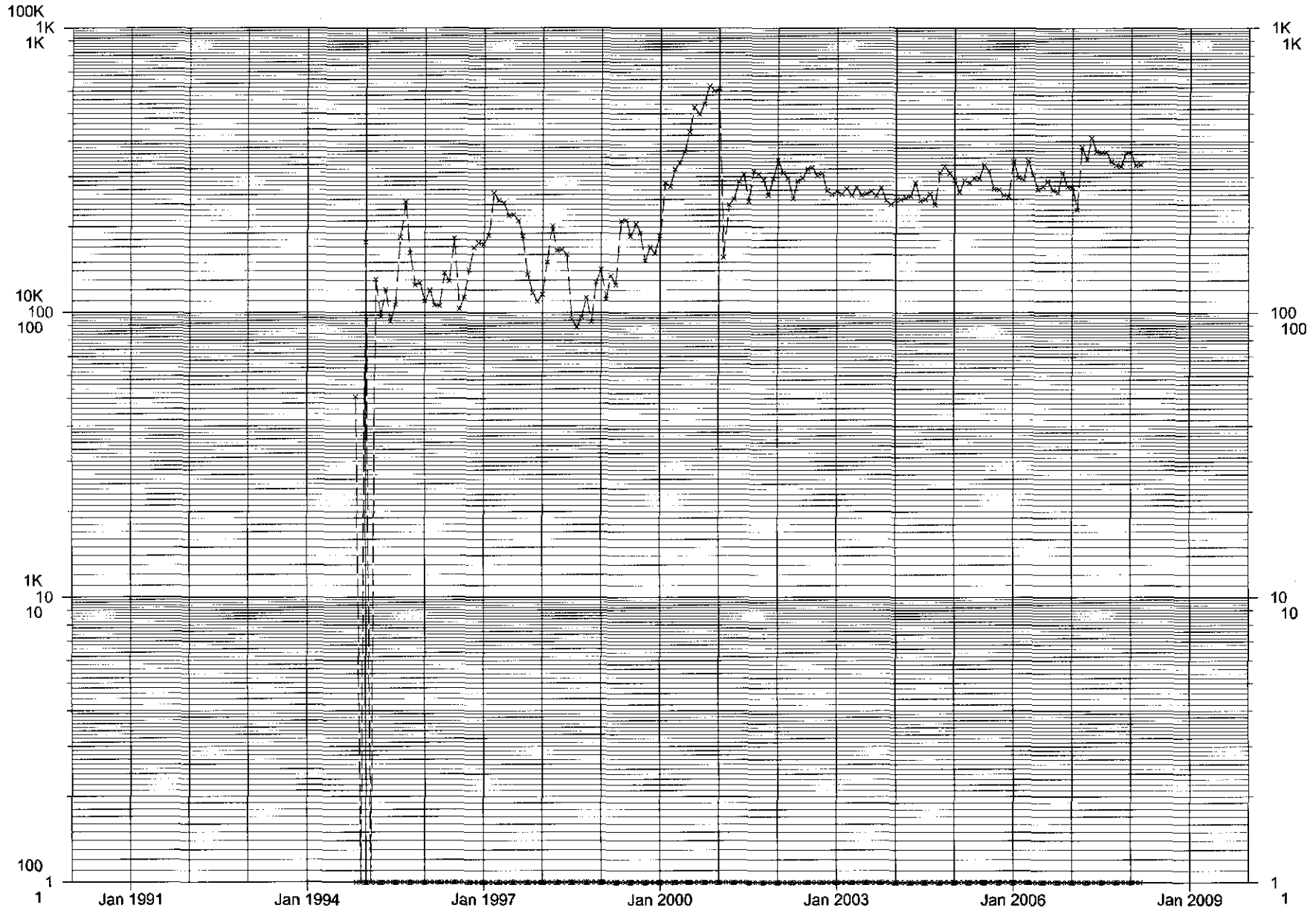
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: BEPCO, LP 001801
 Lease Name: LEGG FEDERAL 001
 LPD ID: 300150473496100
 Location: 22S30E27B

County, State: EDDY, NM
 Status and Date: ACT 1993/09/16
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



— x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ··· Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

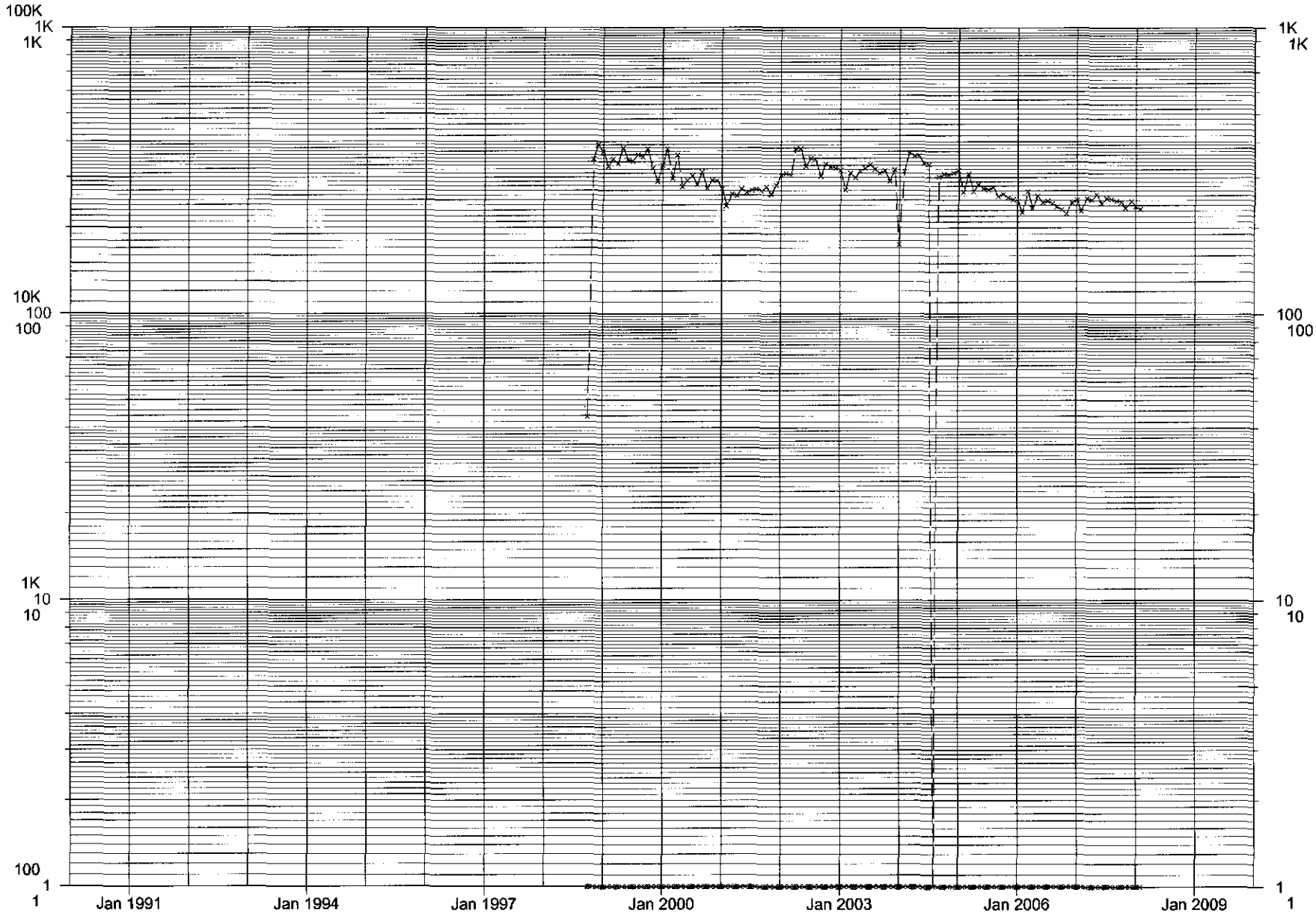
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Information Only

Field: SWD (BELL CANYON-CHERRY CANYON) 96802
 Operator: OXY USA INC 016696
 Lease Name: LOST TANK 33 FEDERAL 002
 LPD ID: 300152933096802
 Location: 21S31E33M

County, State: EDDY, NM
 Status and Date: ACT 2008/03/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



— x Monthly Injection Volume
 — Monthly Gas (Mcf)
 — o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x —x

Rate Vs Time Graph All Data- Gas, Oil, Water

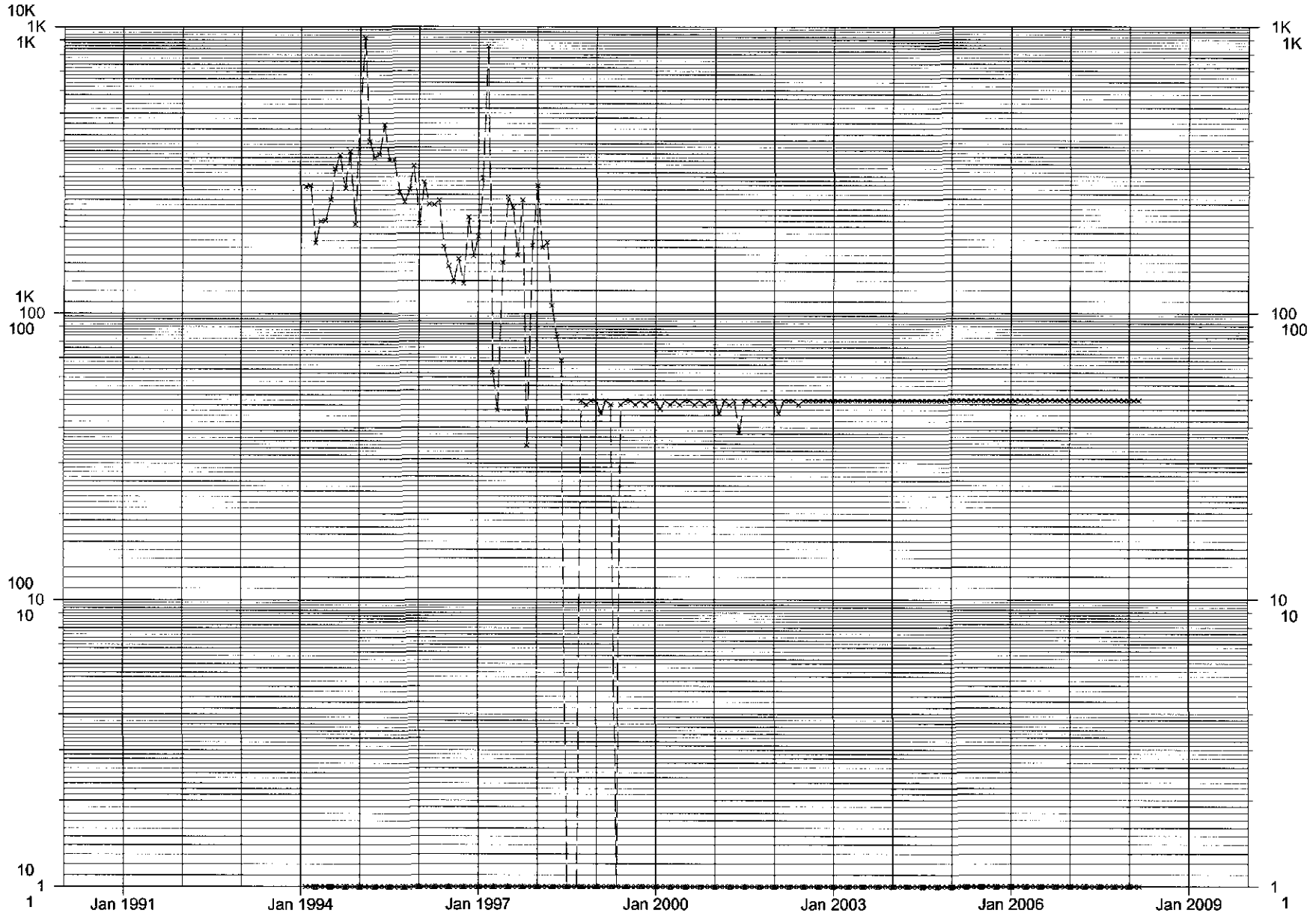
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: PENROC OIL CORP 017213
 Lease Name: LOST TANK SWD 001
 LPD ID: 300253144396100
 Location: 21S32E312

County, State: LEA, NM
 Status and Date: ACT 2003/08/13
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



—x— Monthly Injection Volume
 — Monthly Gas (Mcf)
 —o— Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x —x

Rate Vs Time Graph All Data - Gas, Oil, Water

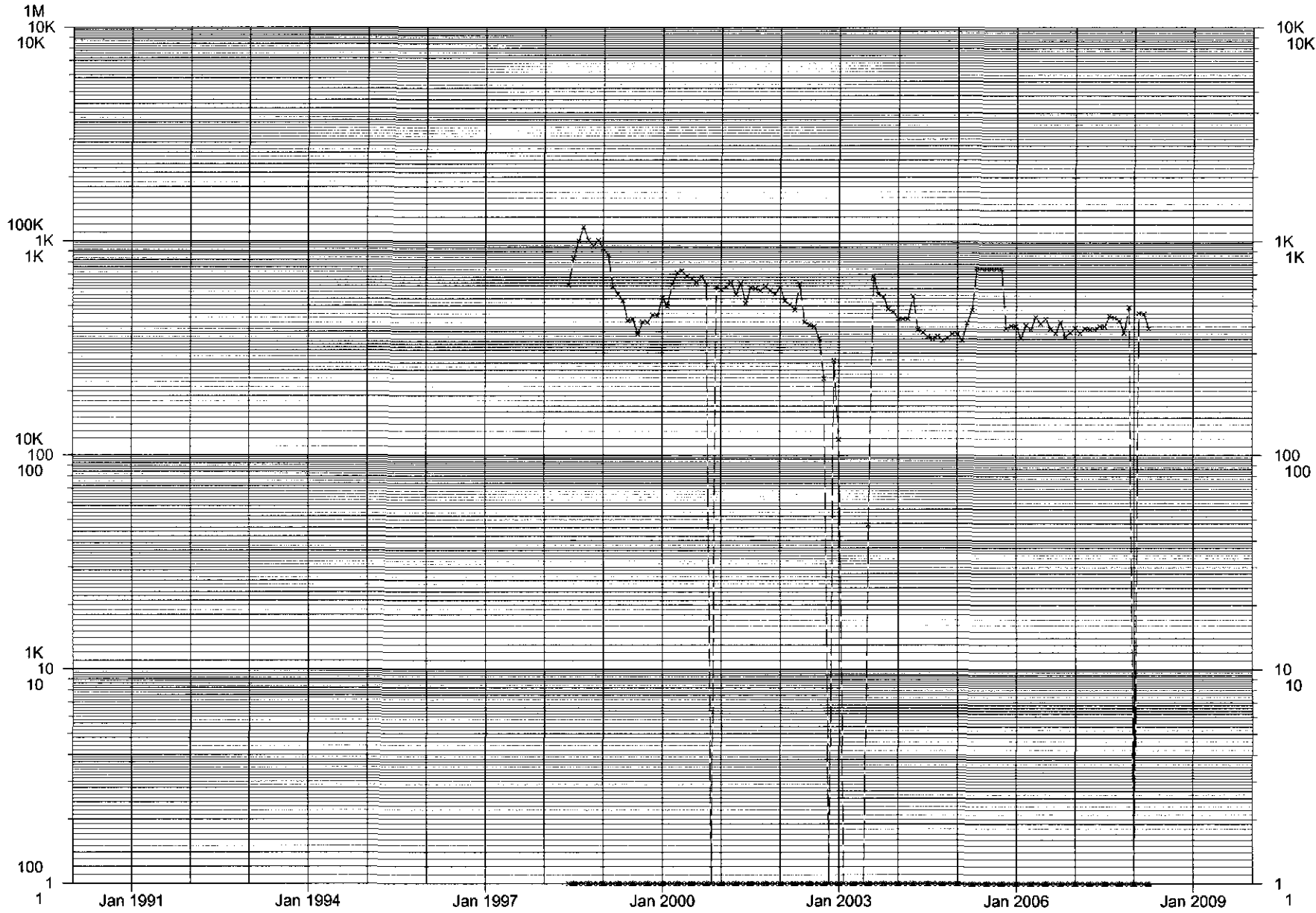
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: FOREST OIL CORPORATION 008041
 Lease Name: MEDANO STATE 001
 LPD ID: 300152617196100
 Location: 22S31E36K

County, State: EDDY, NM
 Status and Date: ACT 2003/08/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data- Gas, Oil, Water

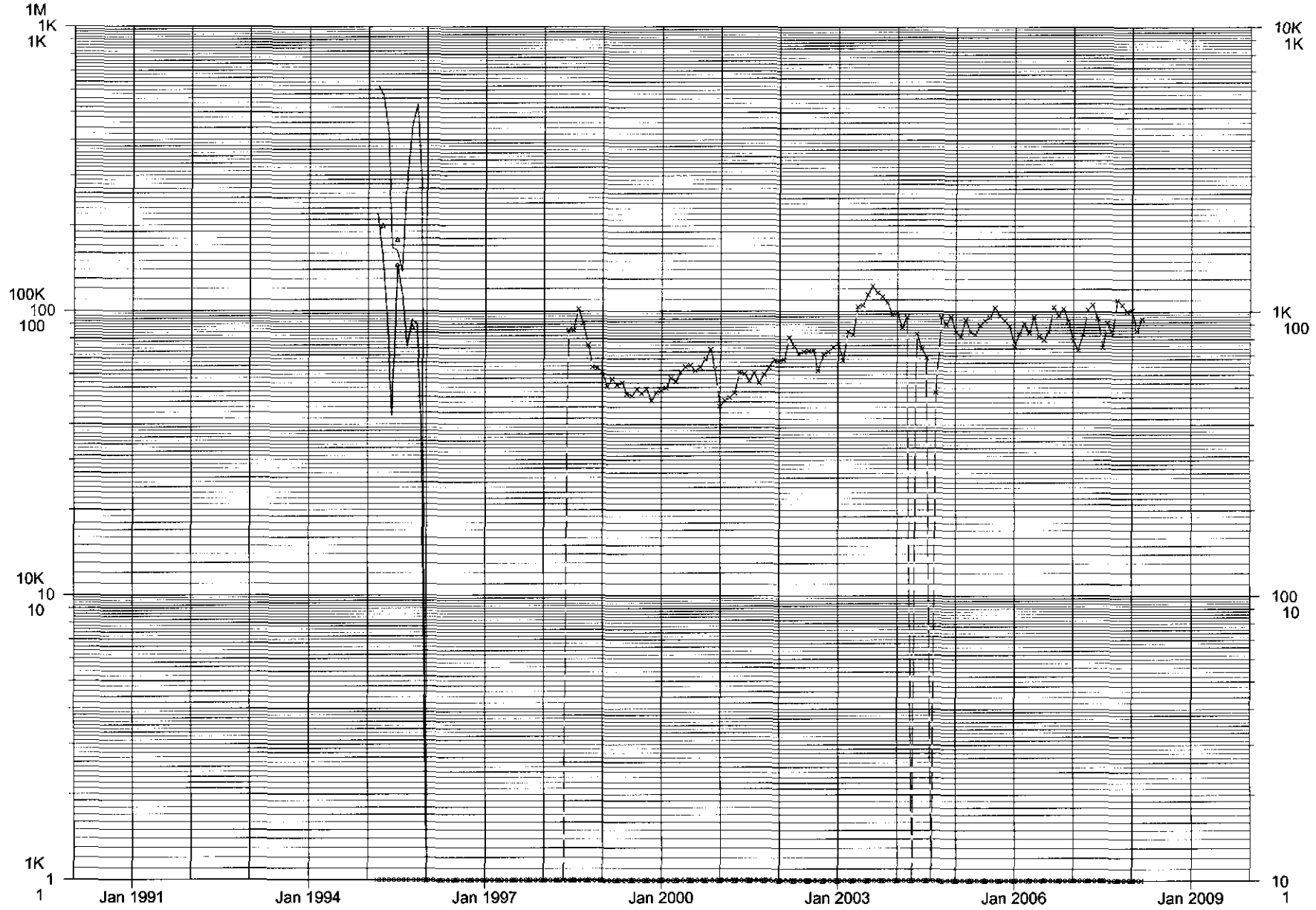
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Information Only

Field: LIVINGSTON RIDGE (DELAWARE) 39360
 Operator: OXY USA INC 016696
 Lease Name: NEFF FEDERAL 003
 LPD ID: 300152828139360
 Location: 22S31E25D

County, State: EDDY, NM
 Status and Date: ACT 2008/03/01
 District: 2, Phase: GAS
 Gas Cum: 3646, Oil Cum: 1063



x--x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ●— Monthly Oil (Bbls)

Monthly Water (Bbls) ▲—
 Monthly Number of Total Producing Wells x—x

Rate Vs Time Graph All Data- Gas, Oil, Water

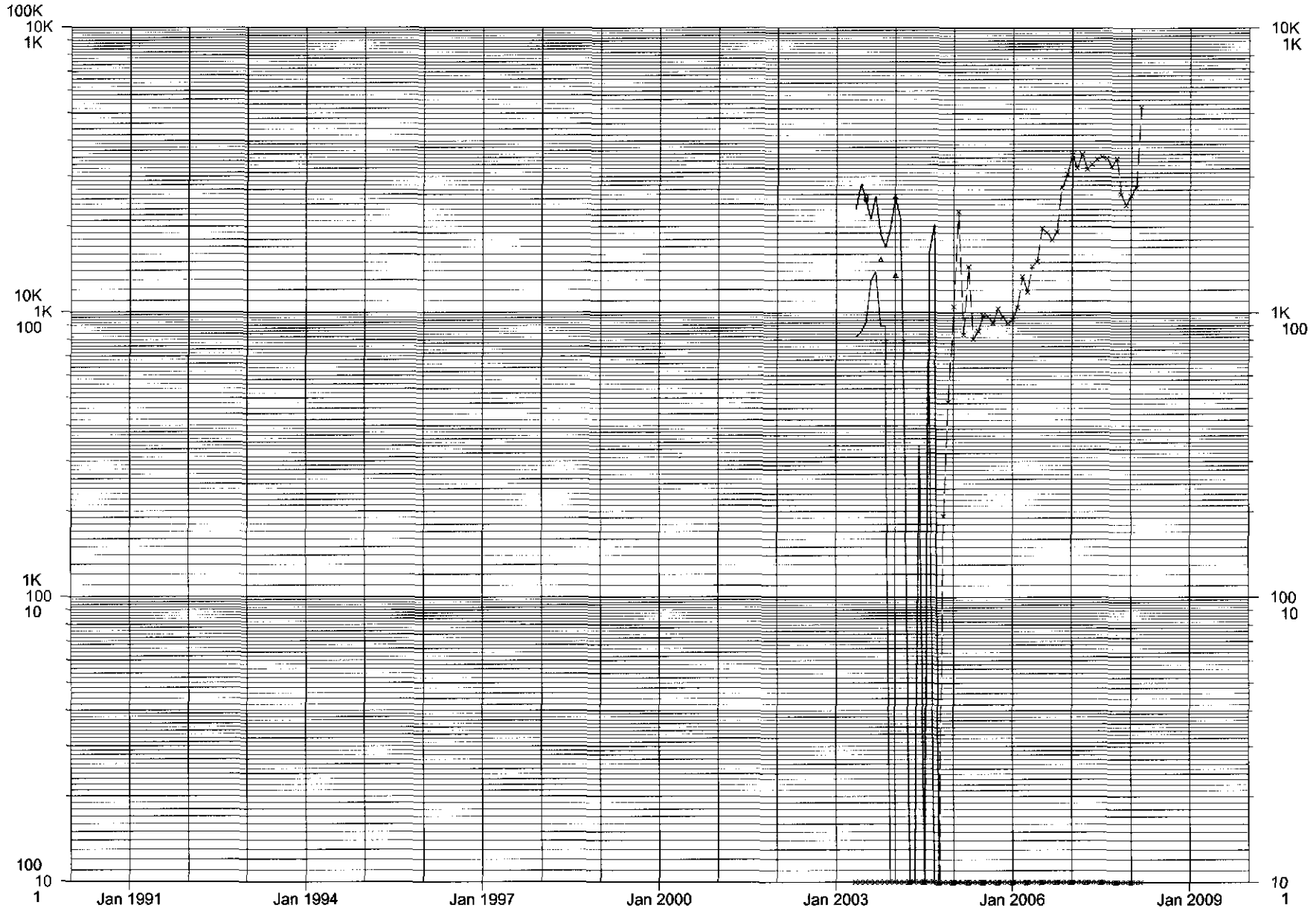
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Information Only

Field: LOS MEDANOS (DELAWARE) 40297
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: NORTH PURE GOLD 8 FEDERAL 011
 LPD ID: 300153261940297
 Location: 23S31E08J

County, State: EDDY, NM
 Status and Date: ACT 2004/05/23
 District: 2, Phase: GAS
 Gas Cum: 7926, Oil Cum: 2692



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) ^ ^
 Monthly Number of Total Producing Wells * —*

Rate Vs Time Graph All Data- Gas, Oil, Water

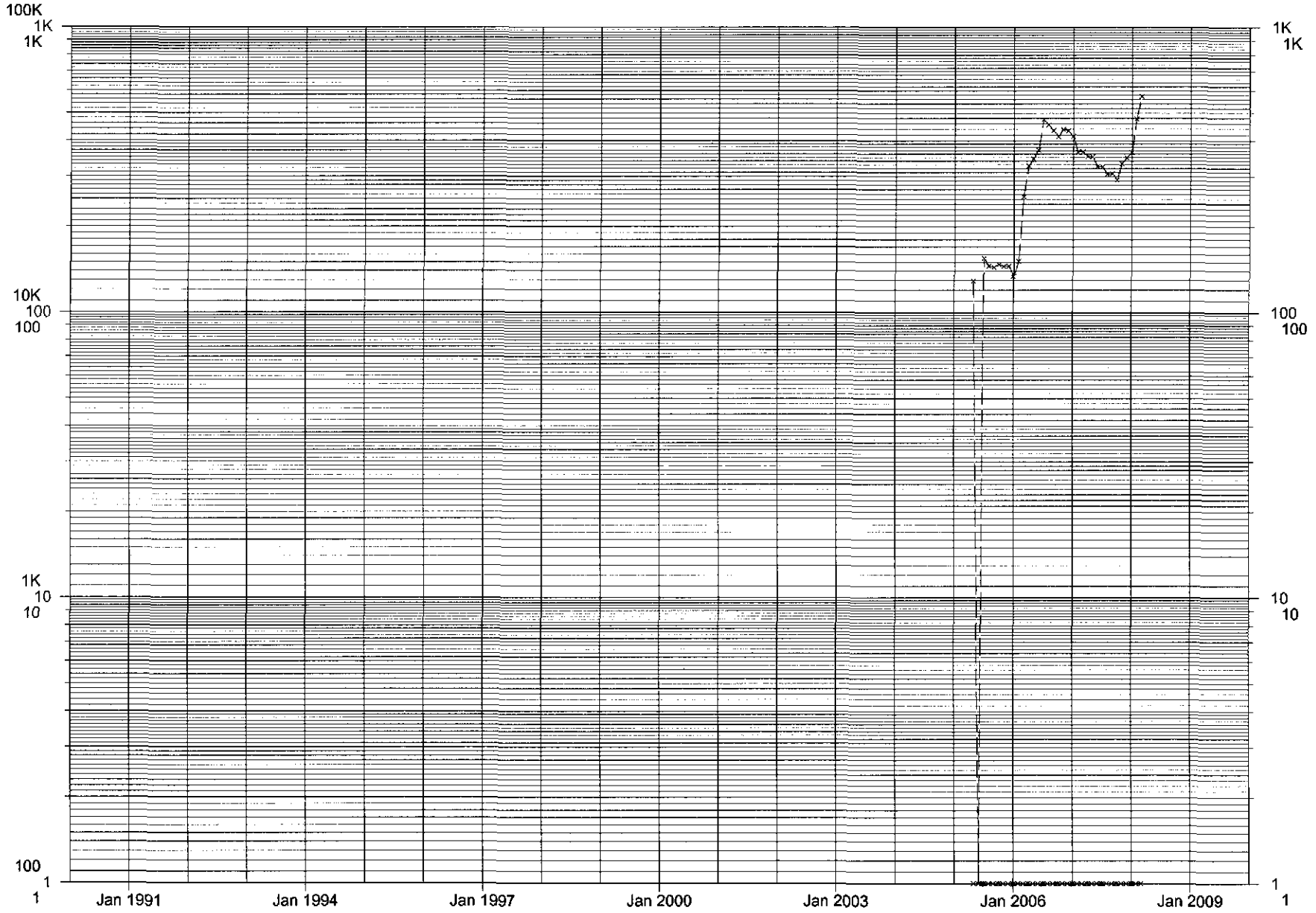
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: NORTH PURE GOLD 9 FEDERAL 017
 LPD ID: 300153336896100
 Location: 23S31E09M

County, State: EDDY, NM
 Status and Date: ACT 2005/04/11
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



---x Monthly Injection Volume
 — Monthly Gas (Mcf)
 —o Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x ---x

Rate Vs Time Graph All Data - Gas, Oil, Water

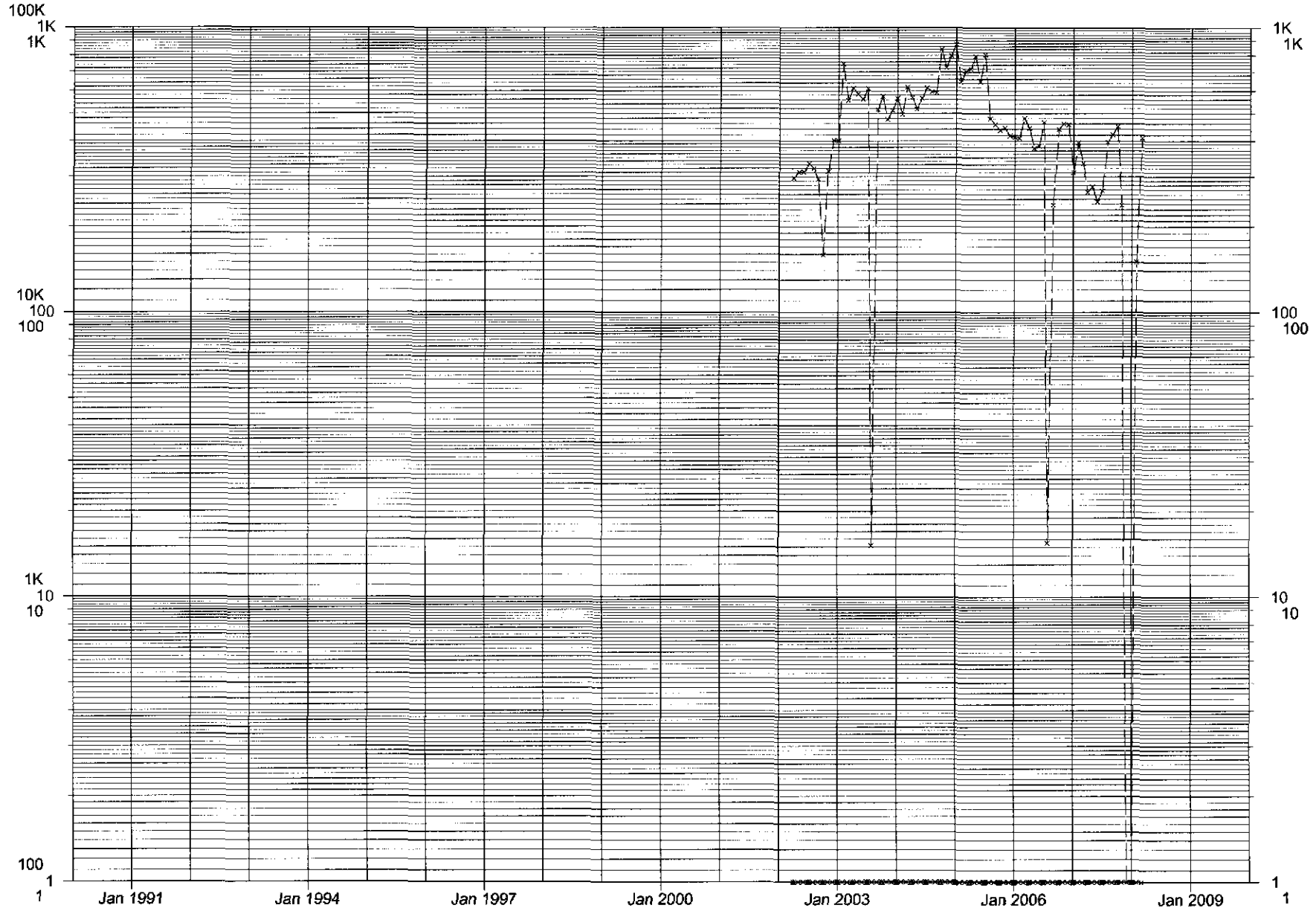
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Information Only

Field: SWD (DELAWARE) 96100
Operator: BEPCO, LP 001801
Lease Name: POKER LAKE UNIT 170
LPD ID: 300153174496100
Location: 23S30E33K

County, State: EDDY, NM
Status and Date: ACT 2002/03/12
District: 2, Phase: GAS
Gas Cum: 0, Oil Cum: 0



x * Monthly Injection Volume
— Monthly Gas (Mcf)
● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
Monthly Number of Total Producing Wells x * x

Rate Vs Time Graph All Data- Gas, Oil, Water

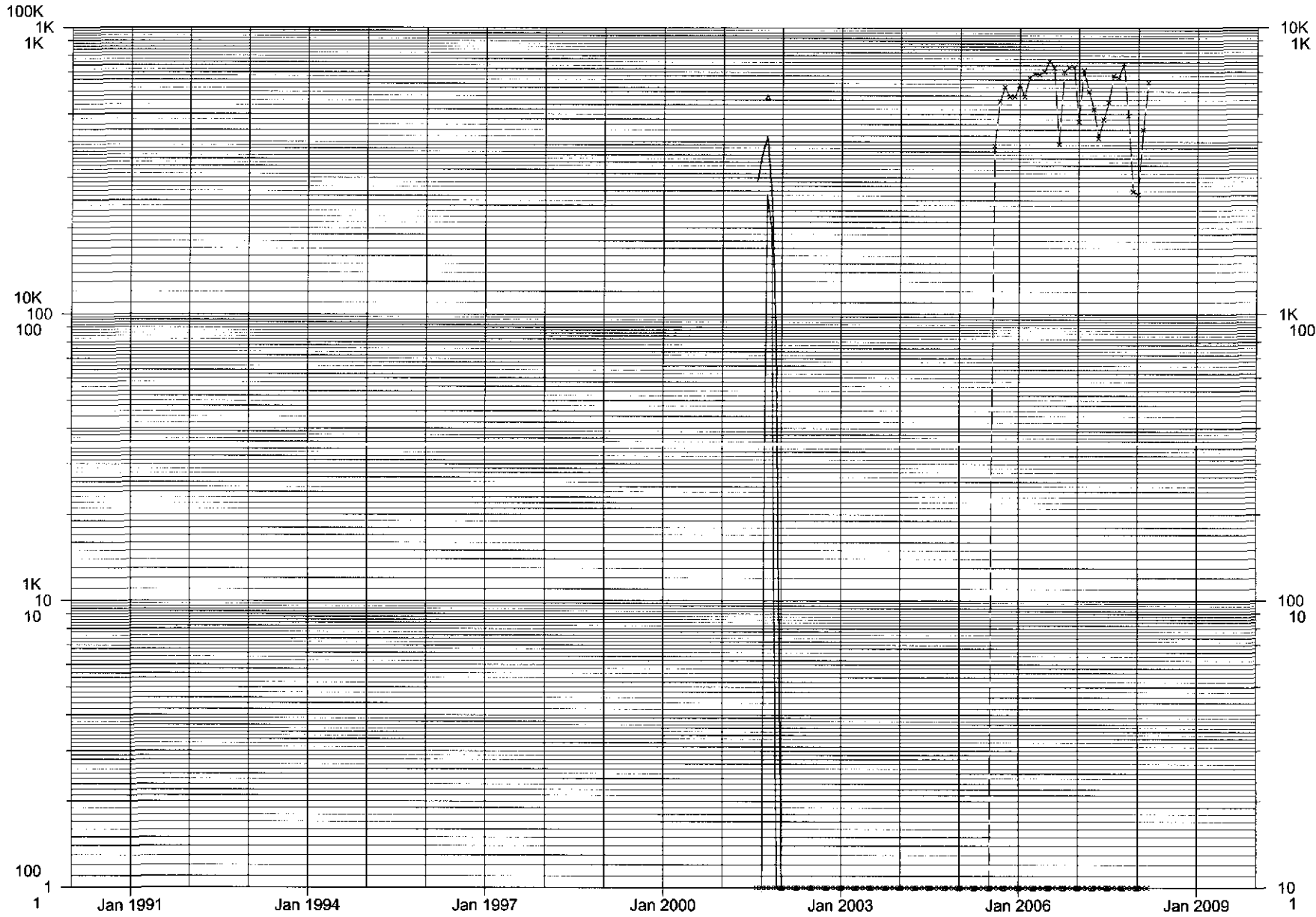
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Field: NASH DRAW (DELAWARE/BS (AVALON SAND)) 47545
 Operator: BEPCO, LP 001801
 Lease Name: POKER LAKE UNIT 071
 LPD ID: 300152608447545
 Location: 23S30E33C

County, State: EDDY, NM
 Status and Date: ACT 2001/08/22
 District: 2, Phase: GAS
 Gas Cum: 456, Oil Cum: 1397



× Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ
 Monthly Number of Total Producing Wells ×

Rate Vs Time Graph All Data - Gas, Oil, Water

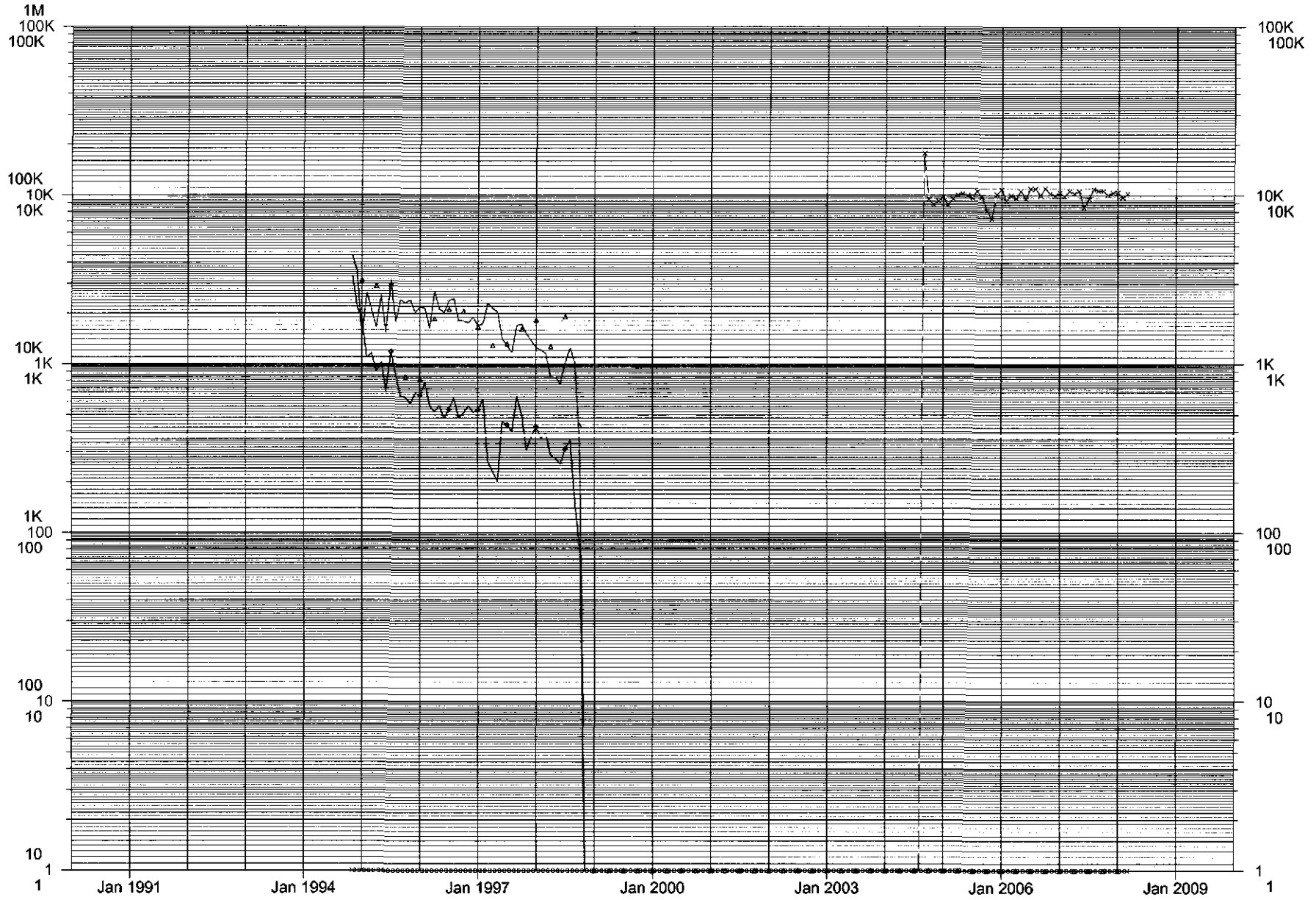
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Information Only

Field: RED TANK (DELAWARE, WEST) 51689
 Operator: OXY USA INC 016696
 Lease Name: PRIZE FEDERAL 004
 LPD ID: 300253243651689
 Location: 22S32E27H

County, State: LEA, NM
 Status and Date: ACT 2008/03/01
 District: 1, Phase: GAS
 Gas Cum: 88622, Oil Cum: 31339



× × Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × — ×

Rate Vs Time Graph All Data- Gas, Oil, Water

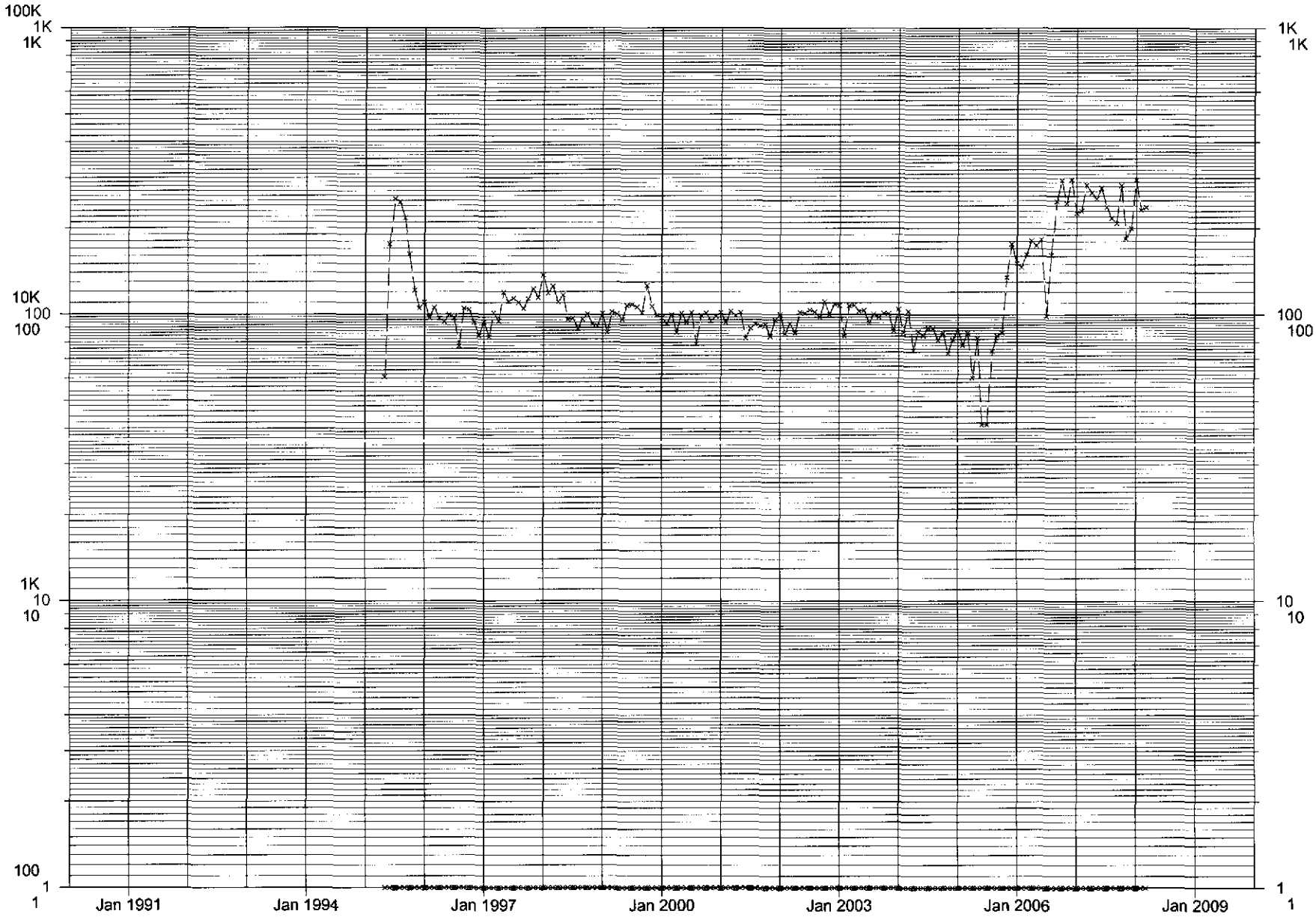
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: COG OPERATING LLC 229137
 Lease Name: PROHIBITION FEDERAL UNIT 002
 LPD ID: 300253171696100
 Location: 22S32E11K

County, State: LEA, NM
 Status and Date: ACT 2004/12/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



— x — Monthly Injection Volume
 — Monthly Gas (Mcf)
 — o — Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

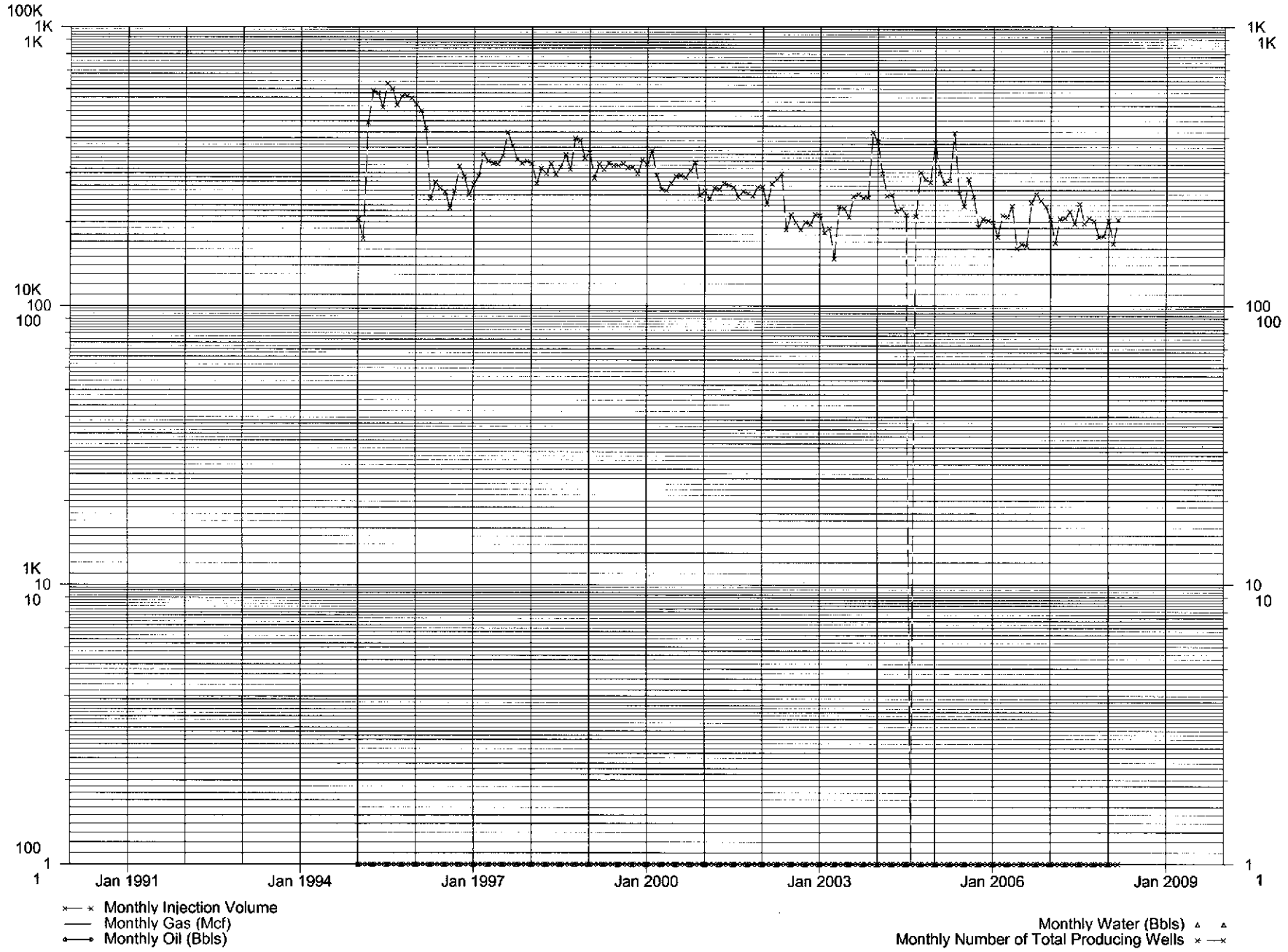
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: OXY USA INC 016696
 Lease Name: PROXIMITY 31 FEDERAL 004
 LPD ID: 300252042396100
 Location: 22S32E31B

County, State: LEA, NM
 Status and Date: ACT 2008/03/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x x

Rate vs Time Graph All Data- Gas, Oil, Water

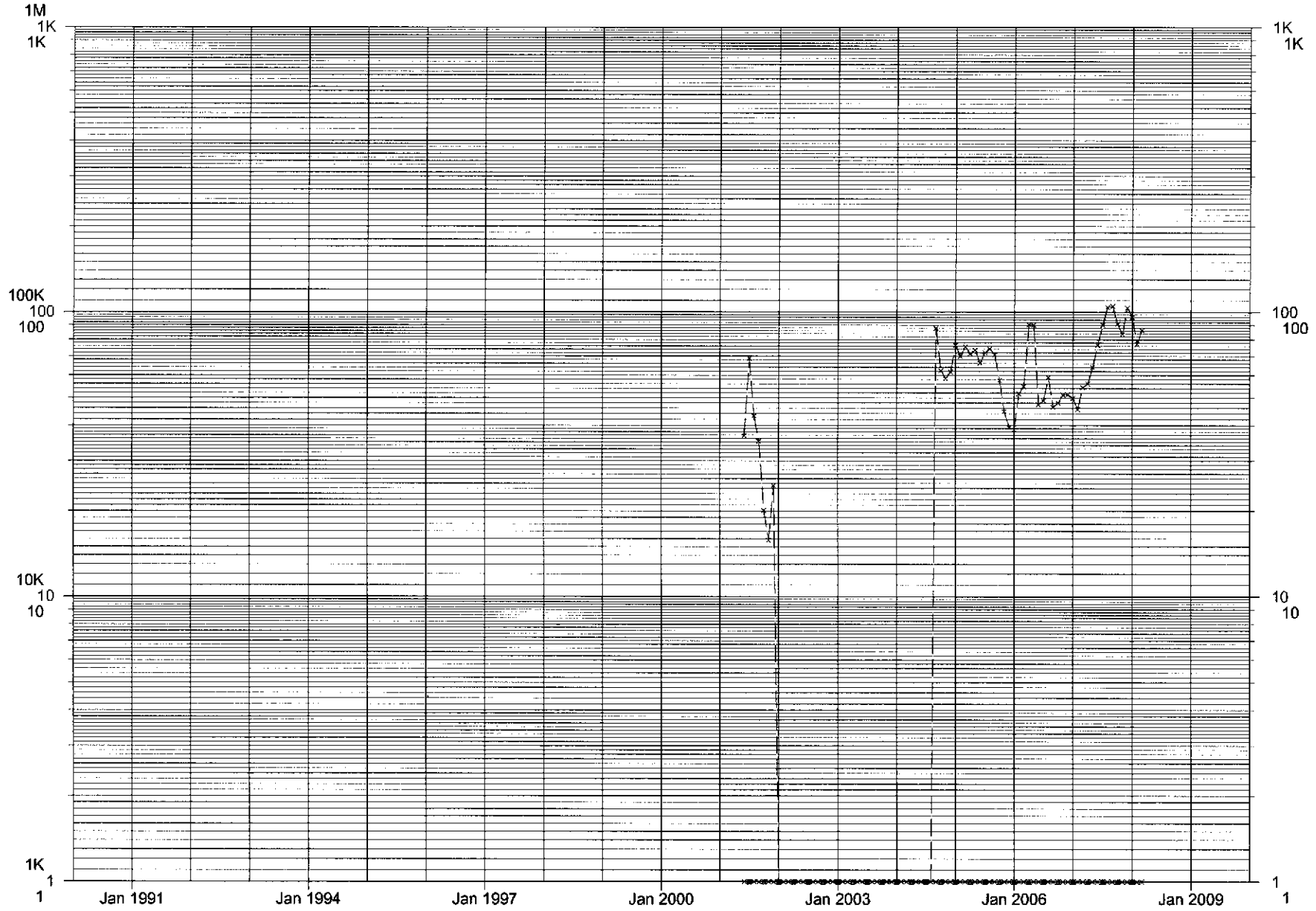
CD Date: 200803

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Information Only

Field: SAND DUNES (DELAWARE, WEST) 53815
 Operator: OXY USA INC 016696
 Lease Name: PURE GOLD B FEDERAL 020
 LPD ID: 300153060553815
 Location: 23S31E20P

County, State: EDDY, NM
 Status and Date: ACT 2008/03/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x x

Rate Vs Time Graph All Data- Gas, Oil, Water

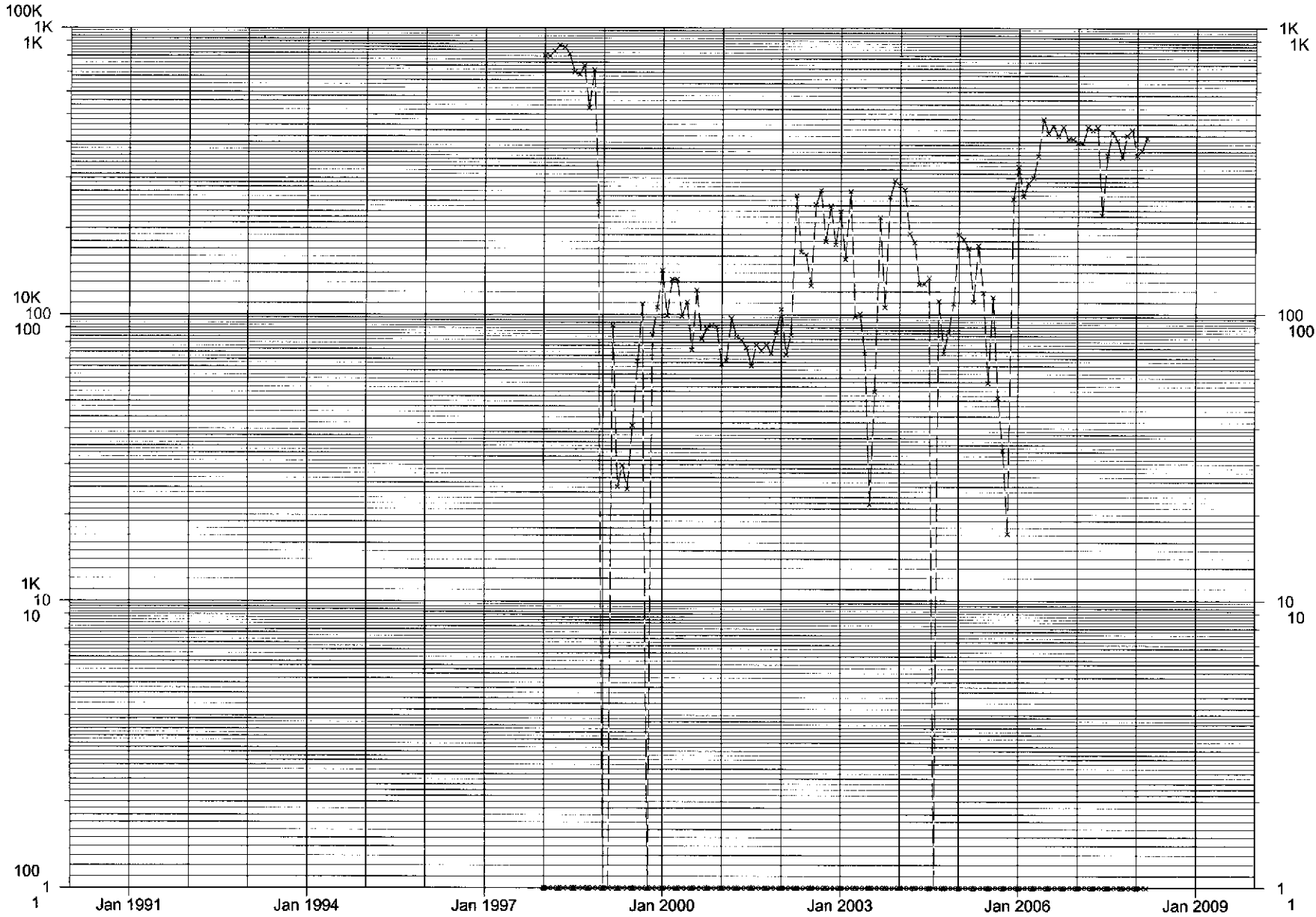
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: OXY USA INC 016696
 Lease Name: RED TANK 28 FEDERAL 003
 LPD ID: 300253175496100
 Location: 22S32E28B

County, State: LEA, NM
 Status and Date: ACT 2008/03/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x - x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

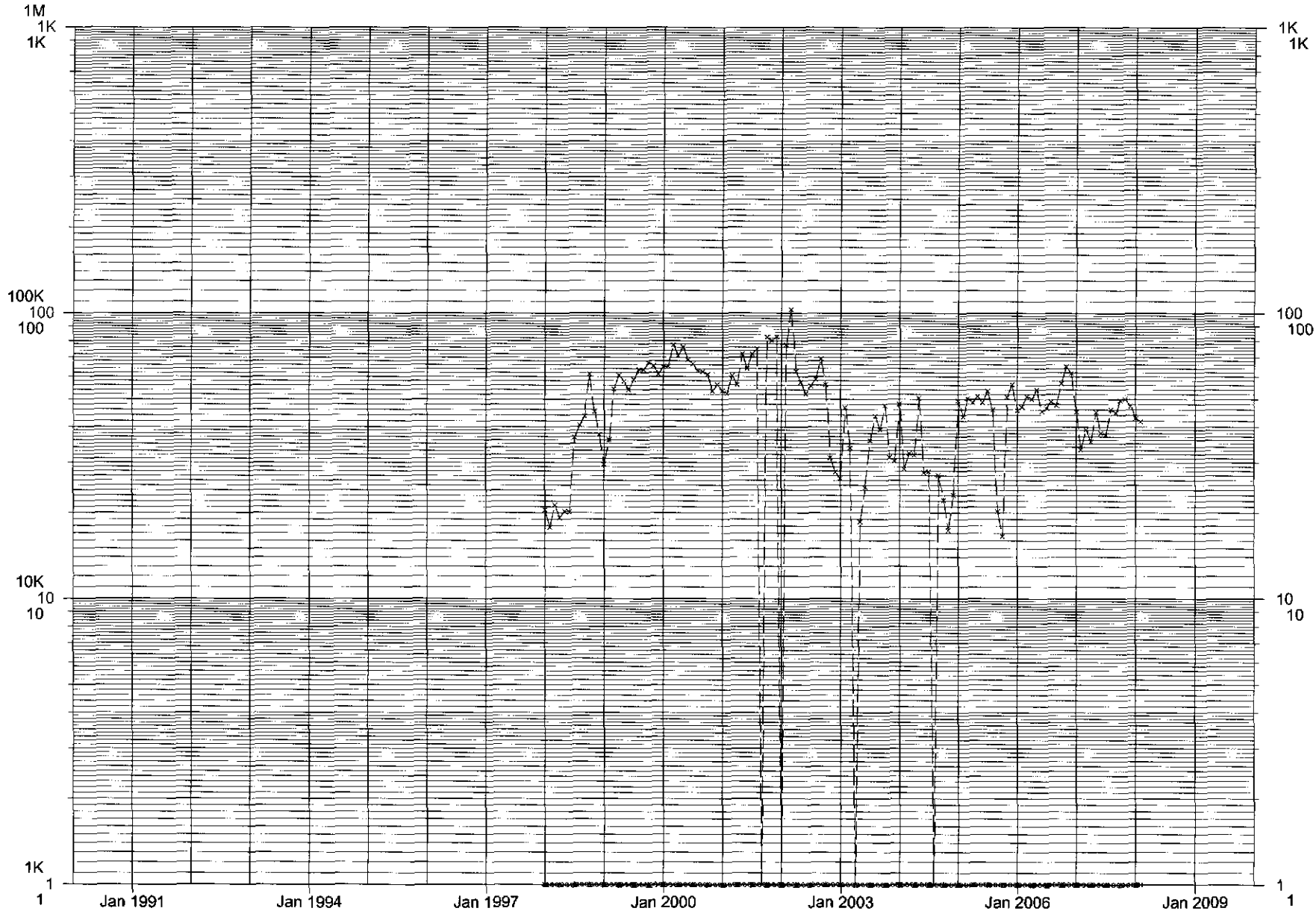
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: OXY USA INC 016696
 Lease Name: RED TANK 35 FEDERAL 003
 LPD ID: 300253314996100
 Location: 22S32E35L

County, State: LEA, NM
 Status and Date: ACT 2008/03/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 • Monthly Oil (Bbls)

Monthly Water (Bbls) △ △
 Monthly Number of Total Producing Wells x x

Rate Vs Time Graph All Data- Gas, Oil, Water

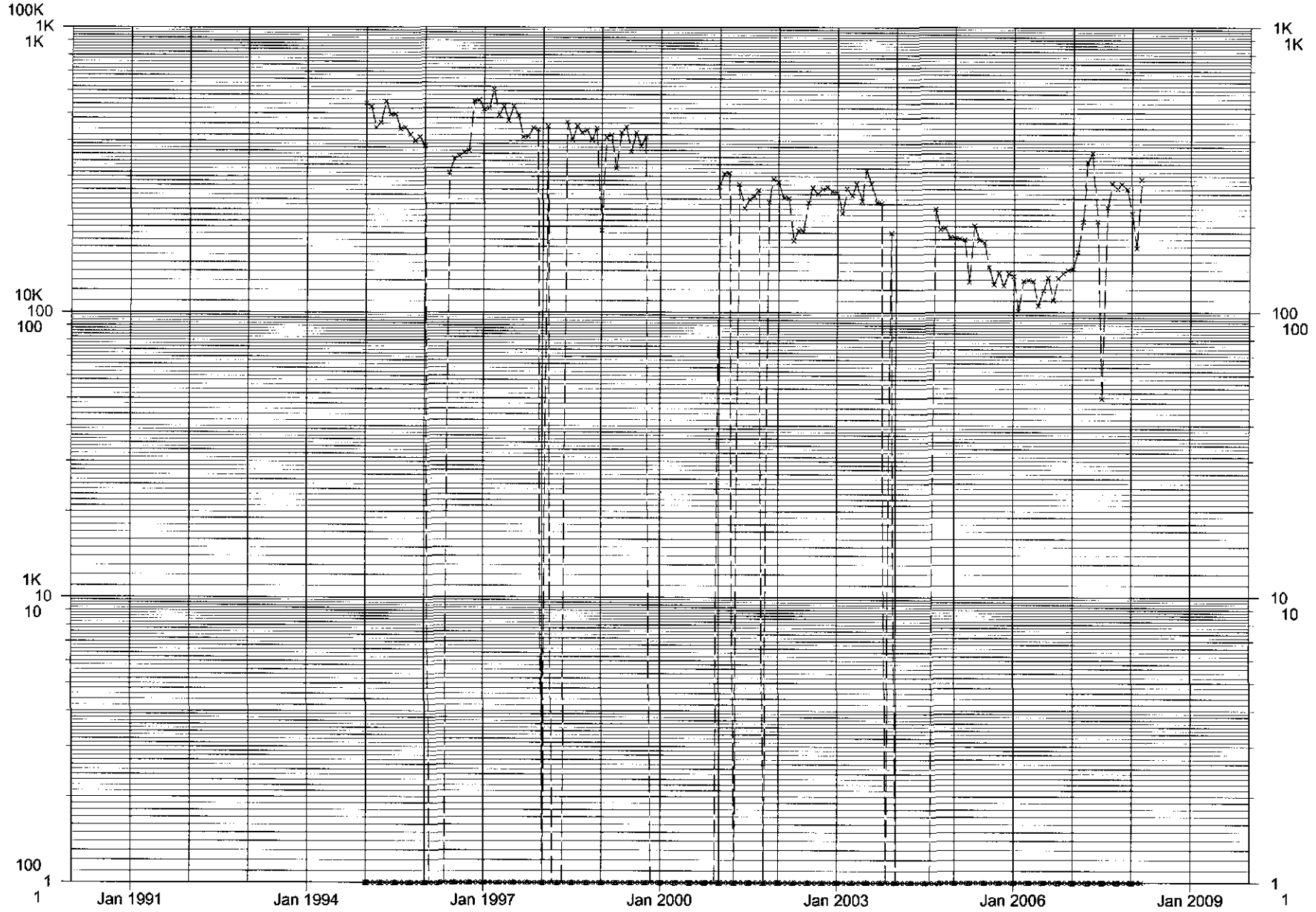
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: EOG RESOURCES INC 007377
 Lease Name: RED TANK FEDERAL 002
 LPD ID: 300250811396100
 Location: 22S32E14N

County, State: LEA, NM
 Status and Date: ACT 2007/11/09
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells * —*

Rate Vs Time Graph All Data- Gas, Oil, Water

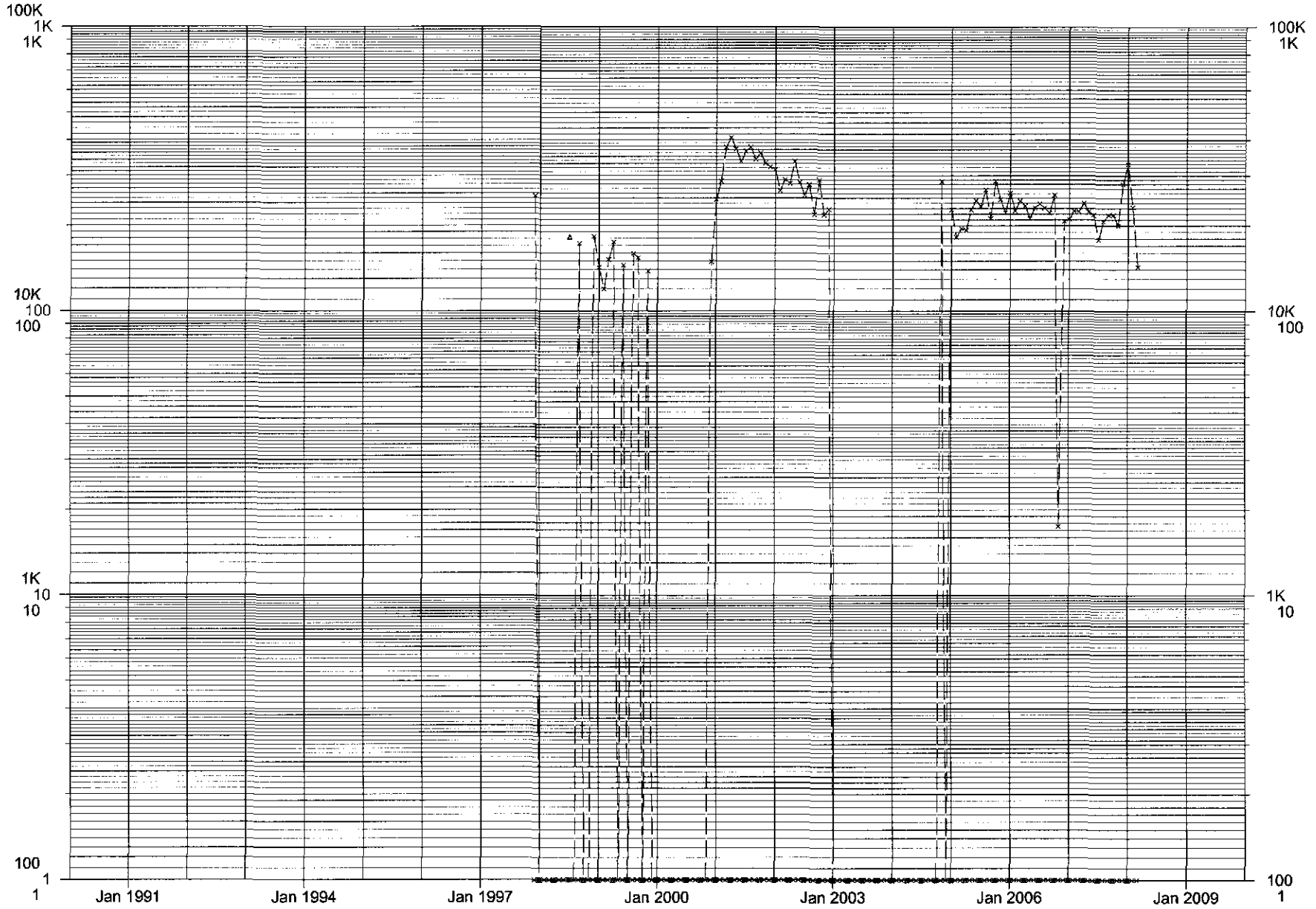
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Information Only

Field: SWD (BELL CANYON) 96769
 Operator: XTO ENERGY, INC 005380
 Lease Name: REMUDA BASIN 19 FEDERAL 002
 LPD ID: 300152890196769
 Location: 23S30E19B

County, State: EDDY, NM
 Status and Date: ACT 2004/08/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x-x

Rate Vs Time Graph All Data- Gas, Oil, Water

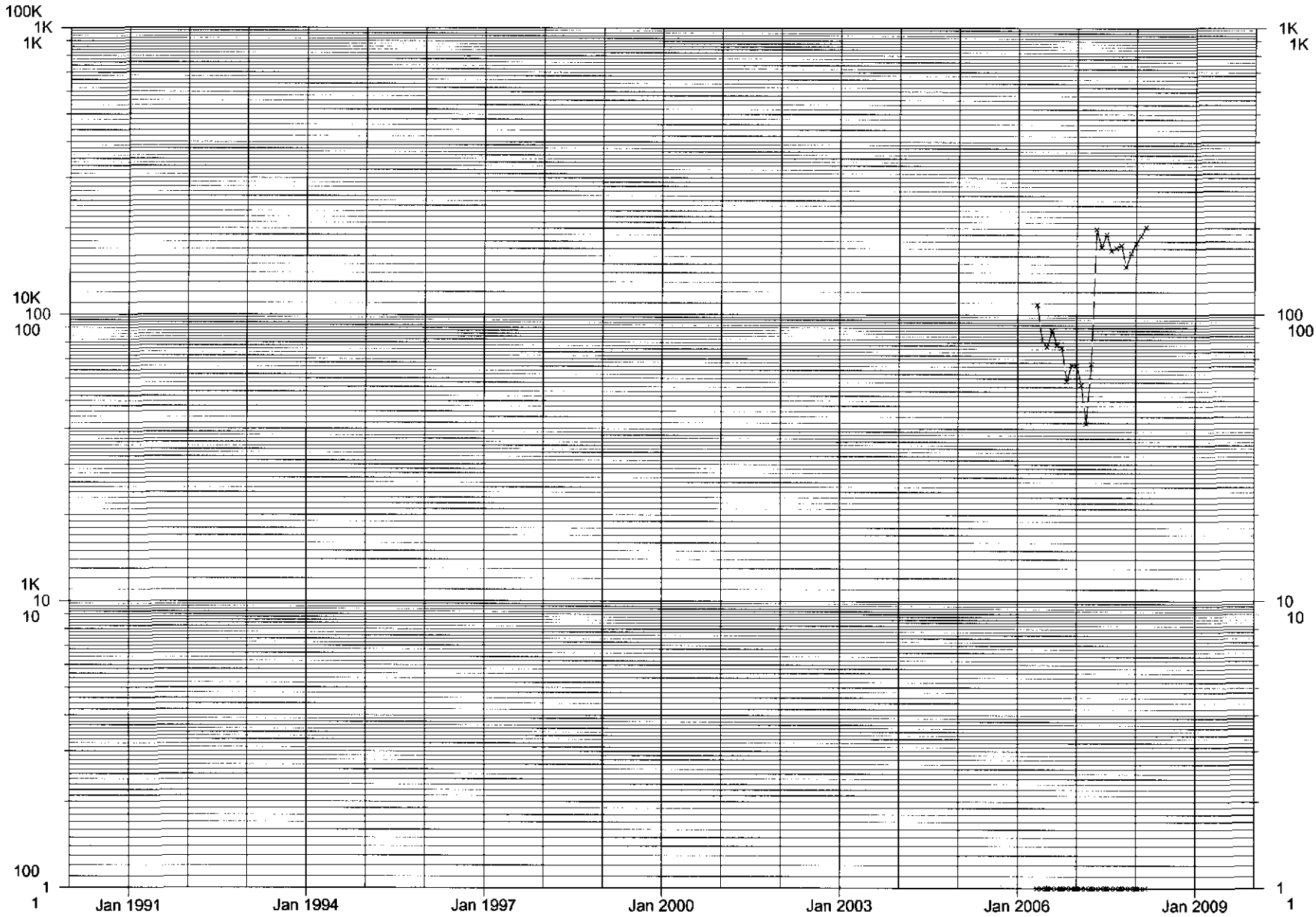
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: REMUDA BASIN SWD 001
 LPD ID: 300152954996100
 Location: 23S30E20D

County, State: EDDY, NM
 Status and Date: ACT 2005/09/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x-x

Rate Vs Time Graph All Data - Gas, Oil, Water

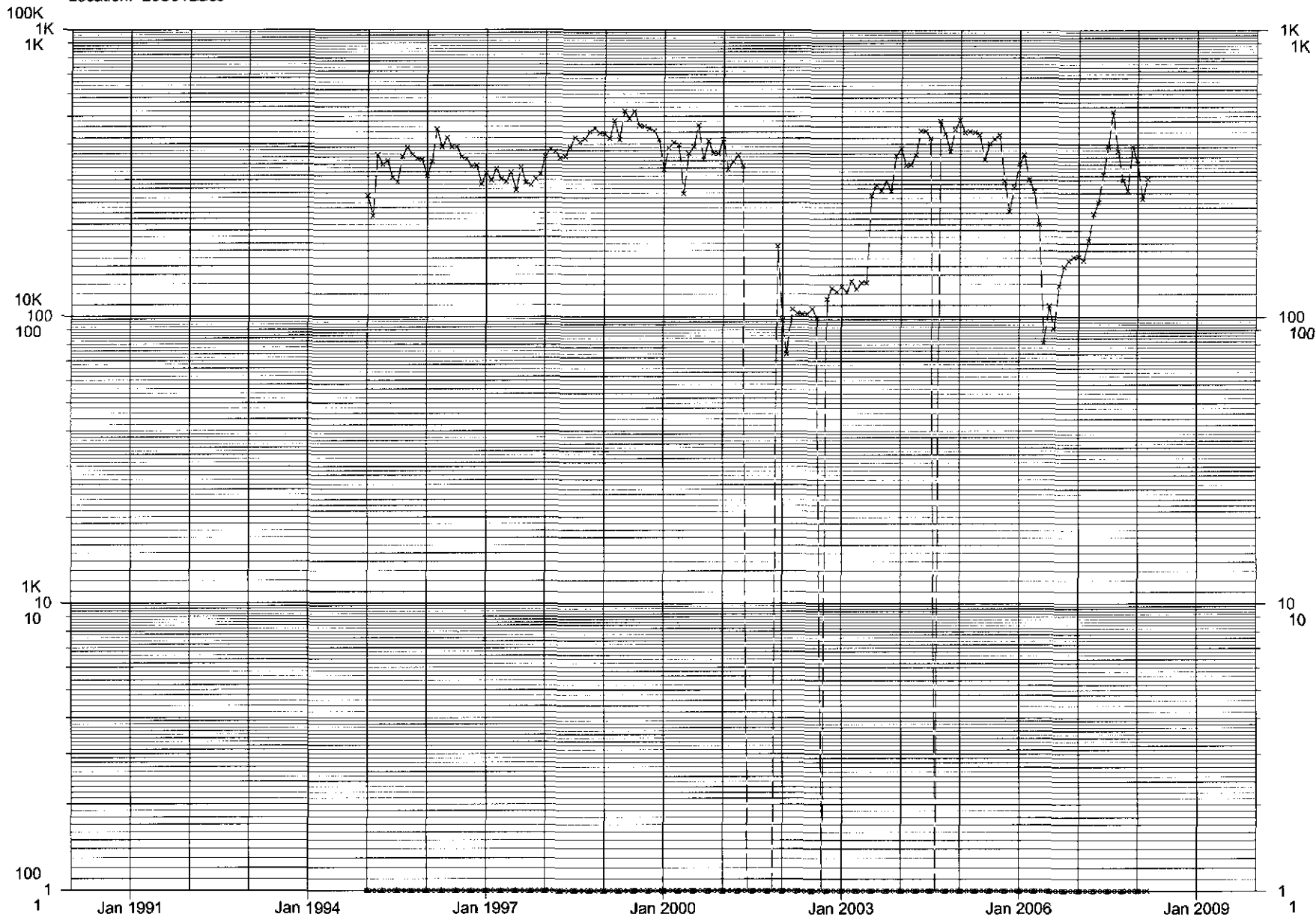
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Information Only

Field: SWD (DELAWARE) 96100
Operator: OXY USA INC 016696
Lease Name: SAND DUNES 28 FEDERAL 001
LPD ID: 300152619496100
Location: 23S31E28J

County, State: EDDY, NM
Status and Date: ACT 2008/03/01
District: 2, Phase: GAS
Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
— Monthly Gas (Mcf)
● Monthly Oil (Bbls)

▲ Monthly Water (Bbls)
× Monthly Number of Total Producing Wells

Rate Vs Time Graph All Data- Gas, Oil, Water

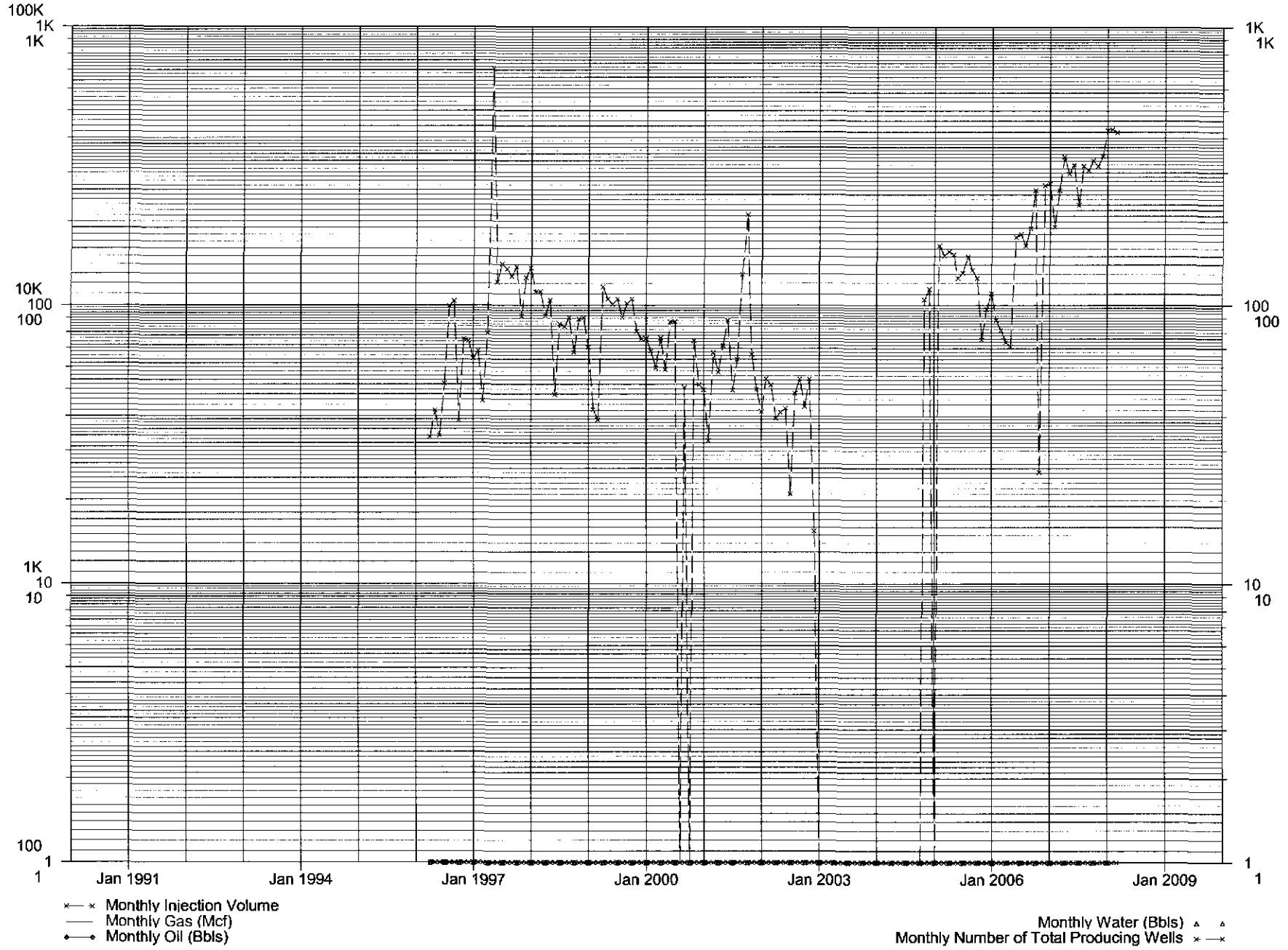
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Information Only

Field: SWD (DELAWARE) 96100
 Operator: XTO ENERGY, INC 005380
 Lease Name: SDE 31 FEDERAL 009
 LPD ID: 300253286896100
 Location: 23S32E31J

County, State: LEA, NM
 Status and Date: ACT 2004/08/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× × Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × — ×

Rate Vs Time Graph All Data- Gas, Oil, Water

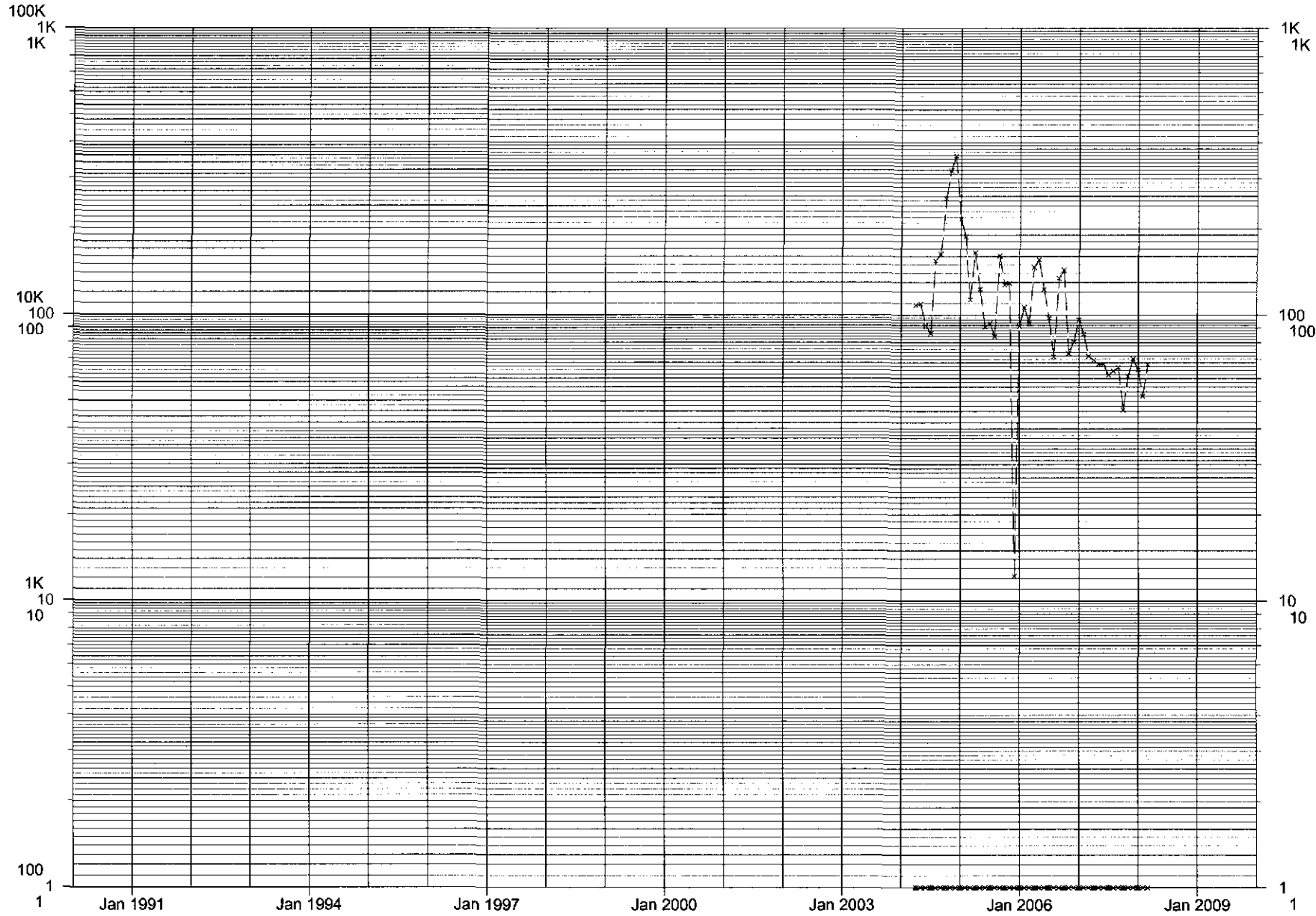
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Information Only

Field: SWD (BELL CANYON) 96769
 Operator: ECHO PRODUCTION INC 006742
 Lease Name: SILVERTON 31 FEDERAL 001
 LPD ID: 300253209396769
 Location: 22S32E312

County, State: LEA, NM
 Status and Date: ACT 2004/02/10
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x—x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ●— Monthly Oil (Bbls)

Monthly Water (Bbls) ▲—▲
 Monthly Number of Total Producing Wells x—x

Rate Vs Time Graph All Data- Gas, Oil, Water

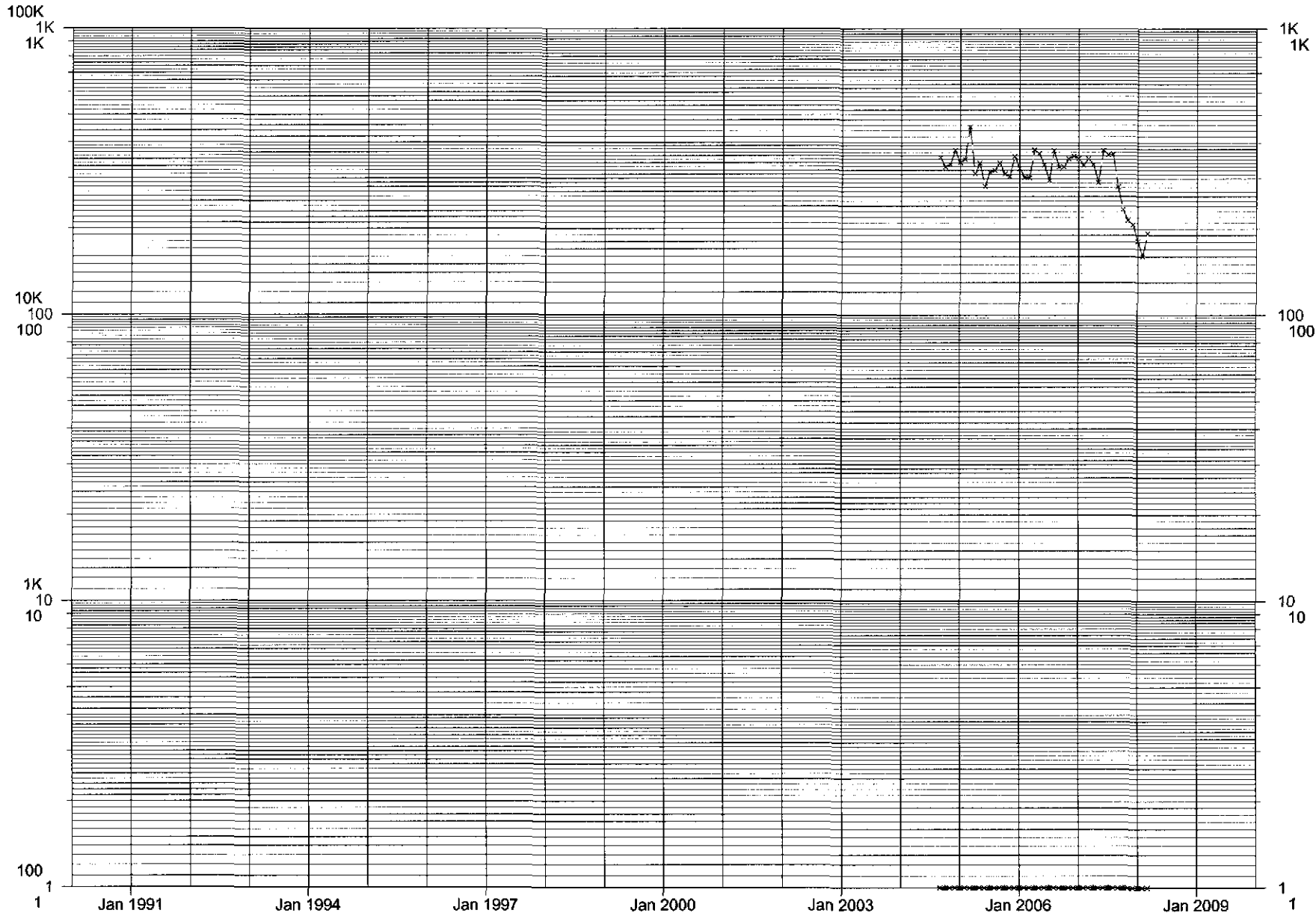
CD Date: 200803

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Information Only

Field: LOST TANK (DELAWARE) 40299
 Operator: OXY USA INC 016696
 Lease Name: STATE 2 005
 LPD ID: 300153244040299
 Location: 22S31E02P

County, State: EDDY, NM
 Status and Date: ACT 2008/03/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data - Gas, Oil, Water

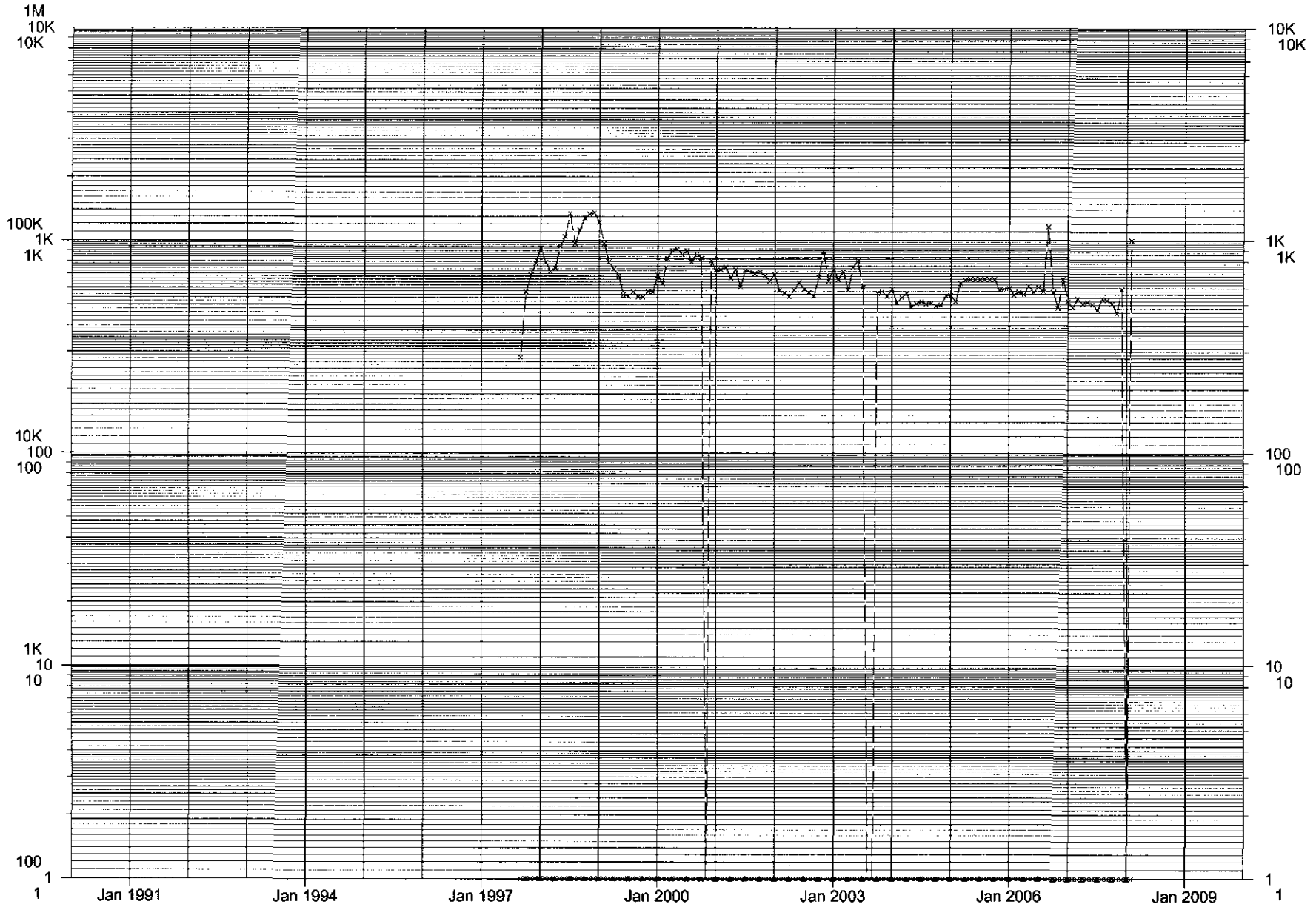
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: FOREST OIL CORPORATION 008041
 Lease Name: STATE AA-2 001
 LPD ID: 300150584096100
 Location: 23S31E021

County, State: EDDY, NM
 Status and Date: ACT 2003/08/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x — x Monthly Injection Volume
 — Monthly Gas (Mcf)
 o — Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

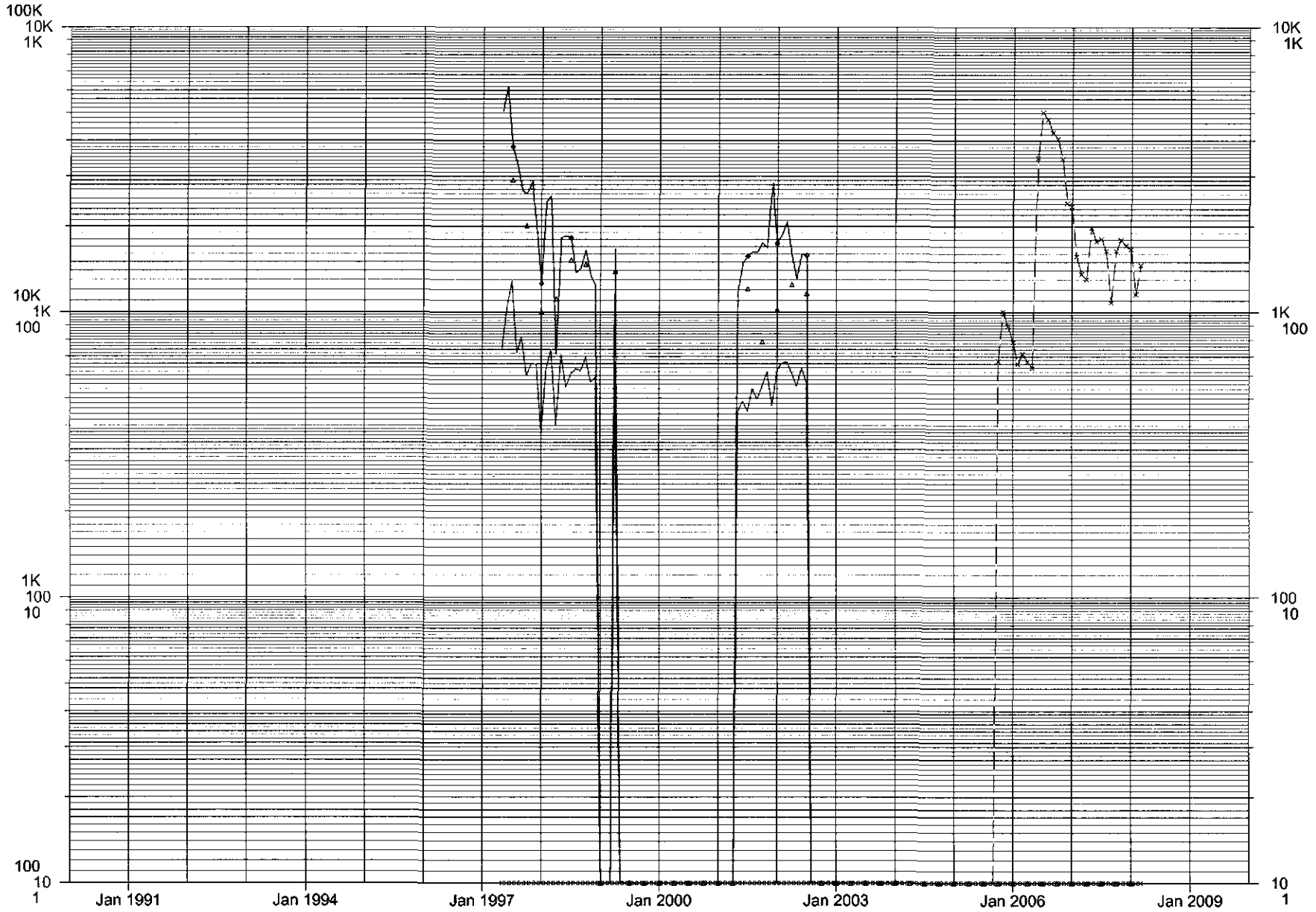
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Information Only

Field: INGLE WELLS (DELAWARE) 33745
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 13 B FEDERAL 002
 LPD ID: 300152890433745
 Location: 23S31E13B

County, State: EDDY, NM
 Status and Date: ACT 2005/10/19
 District: 2, Phase: GAS
 Gas Cum: 22708, Oil Cum: 7509



x x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x x

Rate Vs Time Graph All Data- Gas, Oil, Water

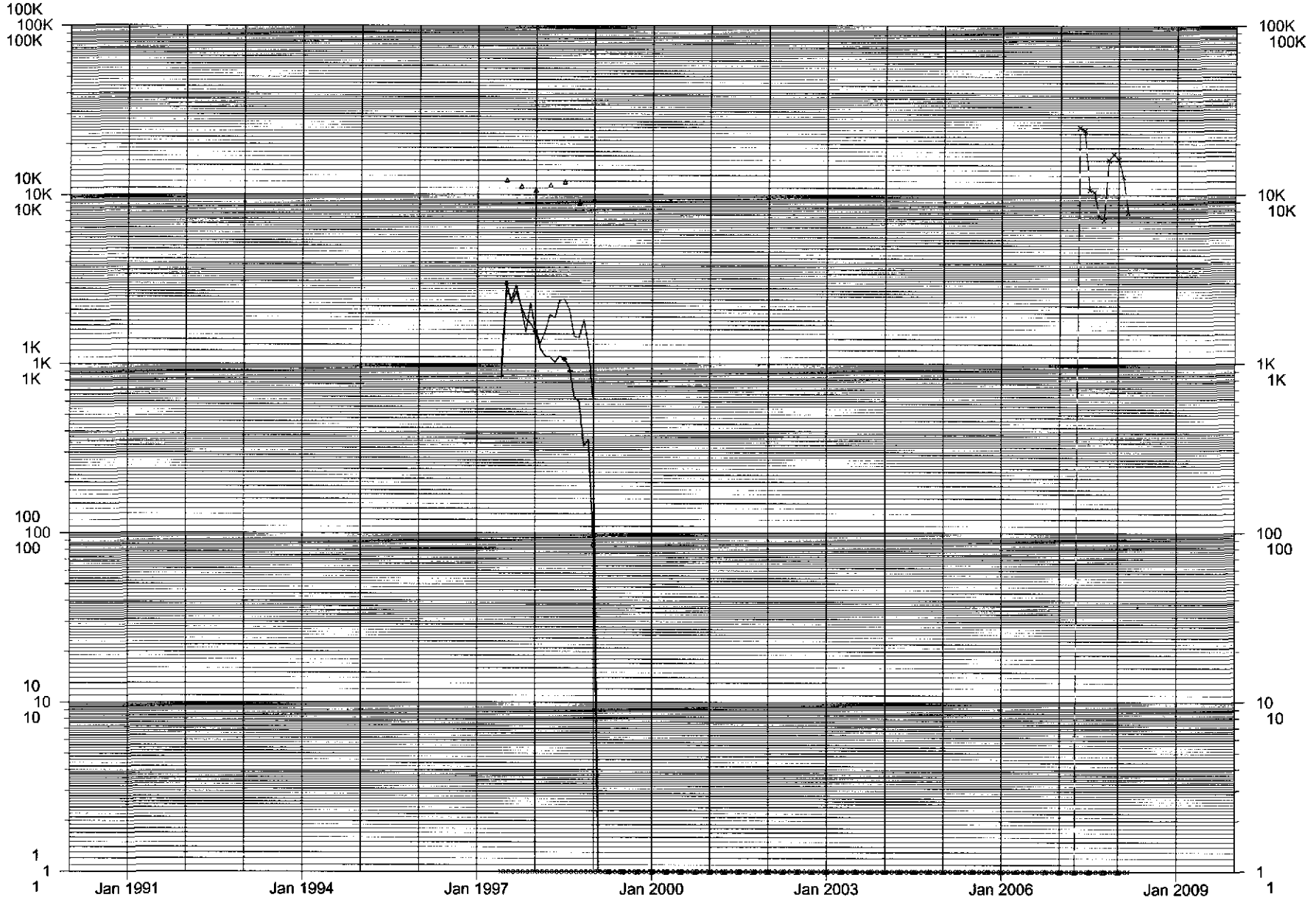
CD Date: 200803

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Information Only

Field: INGLE WELLS (DELAWARE) 33745
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 25 P FEDERAL 016
 LPD ID: 300152881733745
 Location: 23S31E25P

County, State: EDDY, NM
 Status and Date: TMP 2007/05/20
 District: 2, Phase: GAS
 Gas Cum: 36568, Oil Cum: 25797



× × Monthly Injection Volume
 Monthly Gas (Mcf)
 —●— Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

Rate Vs Time Graph All Data - Gas, Oil, Water

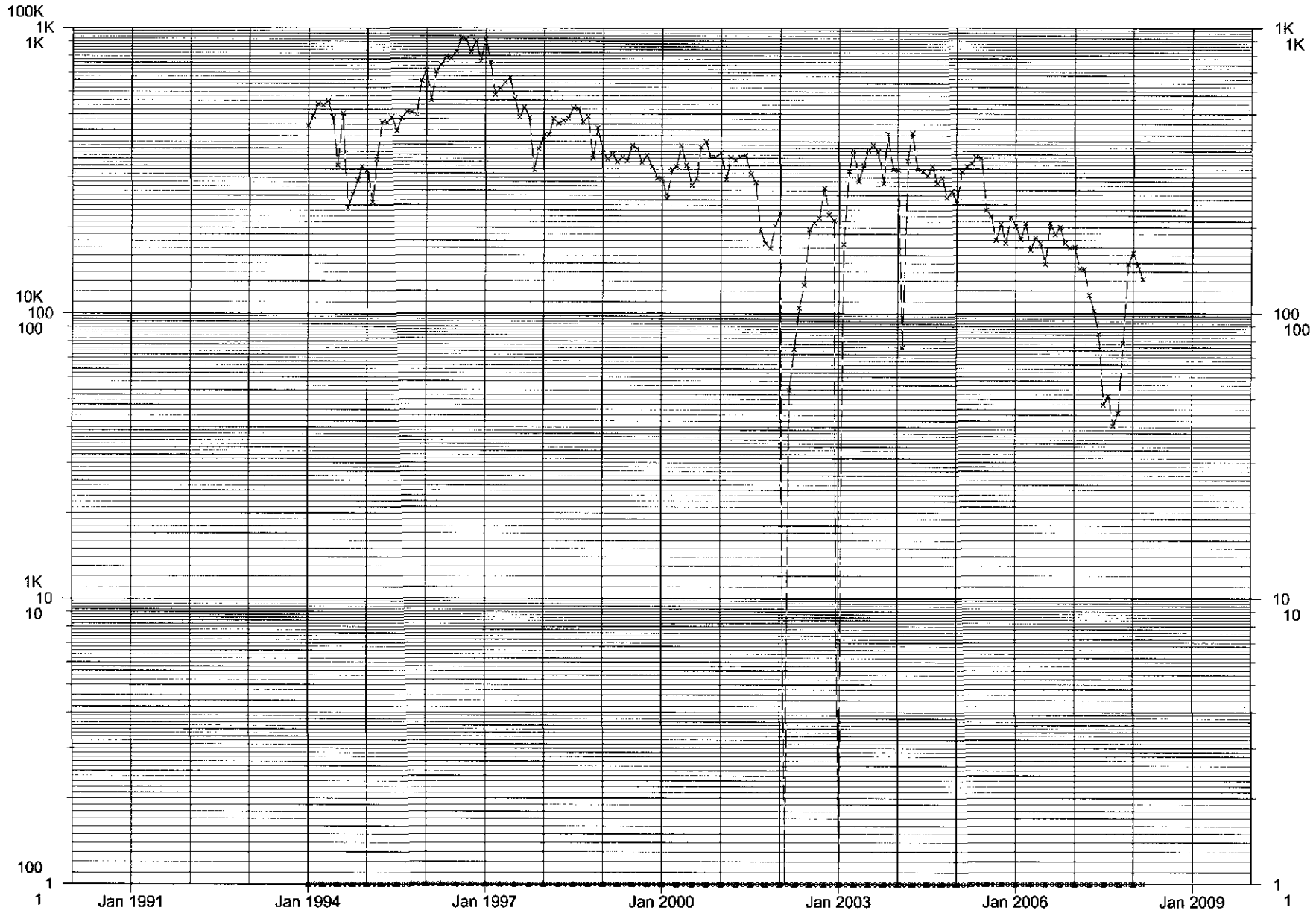
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 26 F FEDERAL 003
 LPD ID: 300152030296100
 Location: 23S31E26F

County, State: EDDY, NM
 Status and Date: ACT 1971/06/17
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲
 Monthly Number of Total Producing Wells x

Rate Vs Time Graph All Data- Gas, Oil, Water

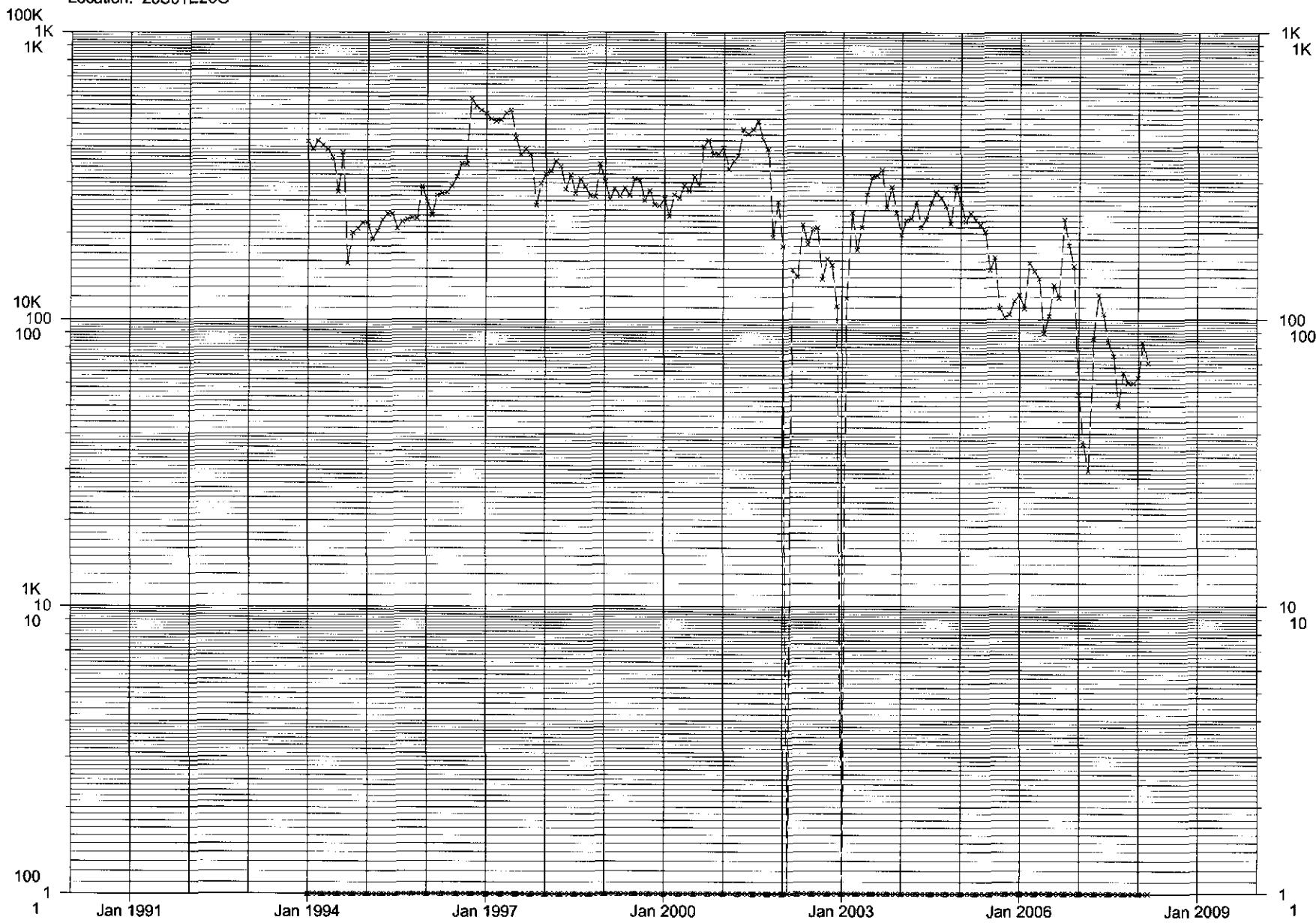
CD Date: 200803

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Information Only

Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 26 G FEDERAL 002
 LPD ID: 300152027796100
 Location: 23S31E26G

County, State: EDDY, NM
 Status and Date: ACT 1993/02/01
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



× × Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells × —×

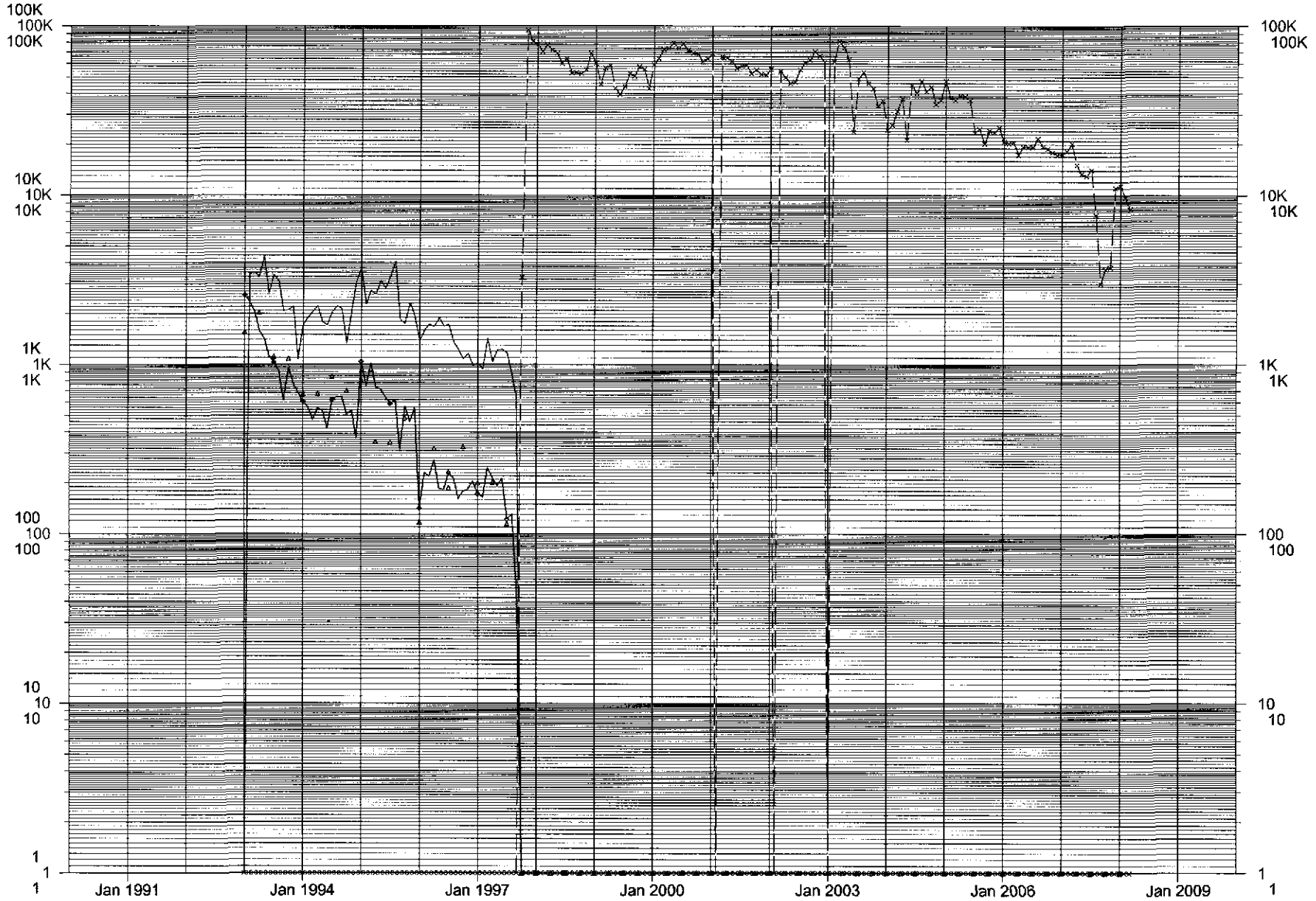
Rate Vs Time Graph All Data- Gas, Oil, Water

CD Date: 200803

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Field: INGLE WELLS (DELAWARE) 33745
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 27 P FEDERAL 016
 LPD ID: 300152710633745
 Location: 23S31E27P

County, State: EDDY, NM
 Status and Date: ACT 1997/10/30
 District: 2, Phase: GAS
 Gas Cum: 115215, Oil Cum: 34484



— x — Monthly Injection Volume
 — Monthly Gas (Mcf)
 —●— Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data- Gas, Oil, Water

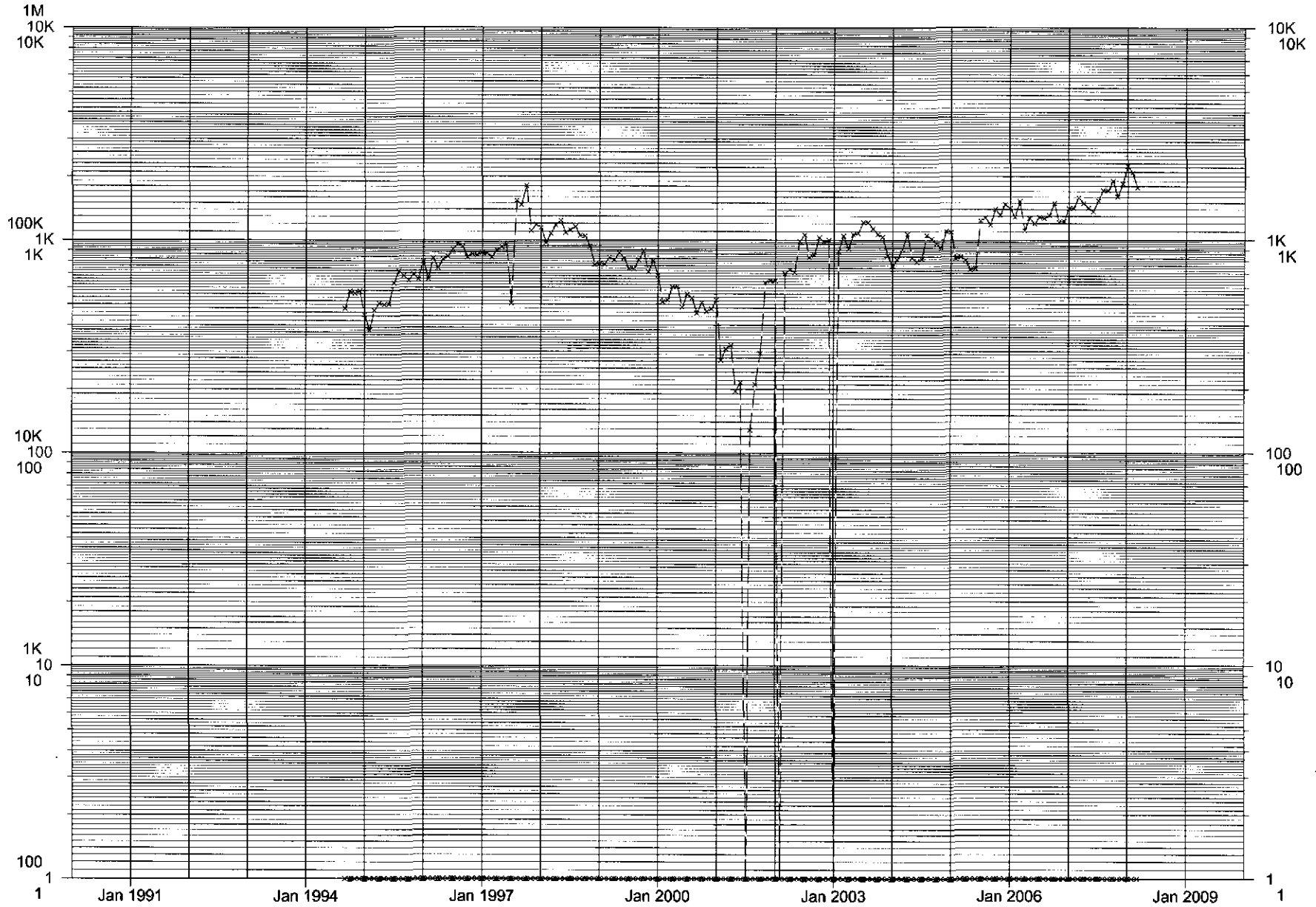
CD Date: 200803

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Field: SWD (DELAWARE) 96100
 Operator: DEVON ENERGY PRODUCTION COMPANY, 006137
 Lease Name: TODD 36 STATE 001
 LPD ID: 300152034196100
 Location: 23S31E36F

County, State: EDDY, NM
 Status and Date: ACT 1994/07/28
 District: 2, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x — x Monthly Injection Volume
 — Monthly Gas (Mcf)
 - - - Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

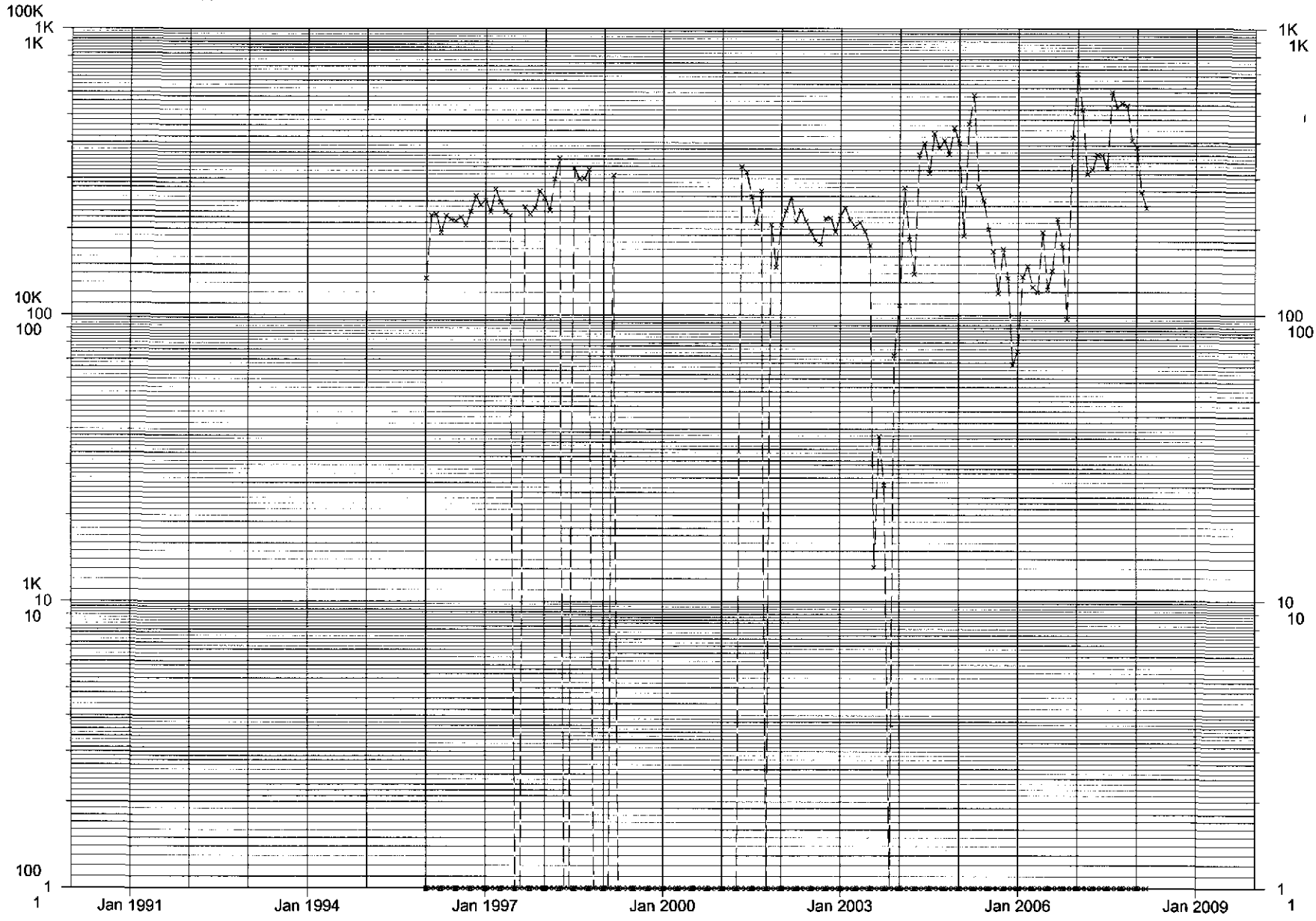
CD Date: 200803

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Field: SWD (DEVONIAN) 96101
 Operator: EOG RESOURCES INC 007377
 Lease Name: TRISTE DRAW 36 STATE 001
 LPD ID: 300253192996101
 Location: 23S32E36E

County, State: LEA, NM
 Status and Date: ACT 2000/03/01
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



x-x Monthly Injection Volume
 — Monthly Gas (Mcf)
 ● Monthly Oil (Bbls)

Monthly Water (Bbls) ▲ ▲
 Monthly Number of Total Producing Wells x —

Rate Vs Time Graph All Data- Gas, Oil, Water

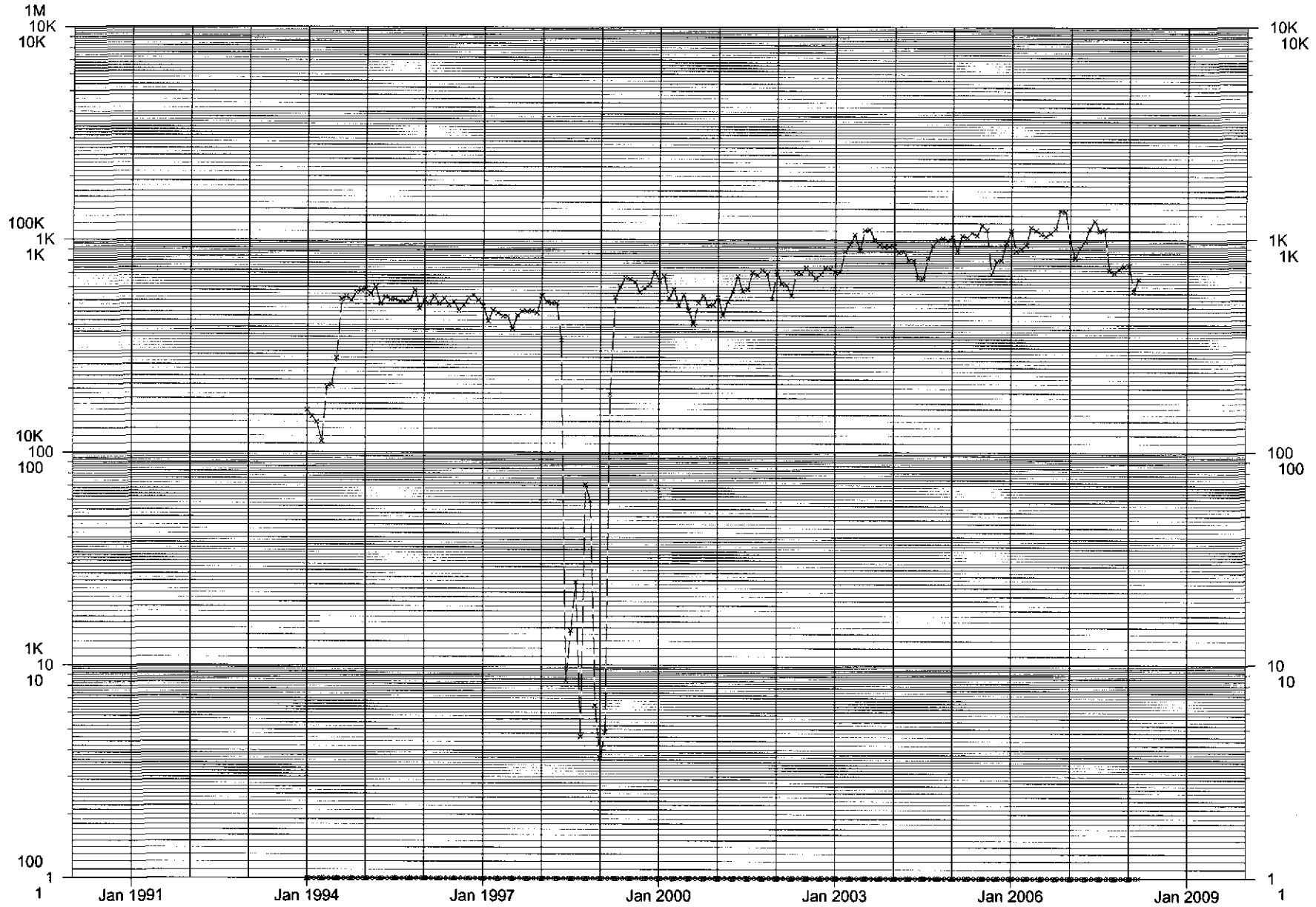
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Field: SWD (DELAWARE) 96100
 Operator: YATES PETROLEUM CORPORATION 025575
 Lease Name: UNION AJS FEDERAL 001
 LPD ID: 300253141296100
 Location: 21S32E08J

County, State: LEA, NM
 Status and Date: ACT 1994/02/04
 District: 1, Phase: GAS
 Gas Cum: 0, Oil Cum: 0



— x Monthly Injection Volume
 — Monthly Gas (Mcf)
 — o Monthly Oil (Bbls)

Monthly Water (Bbls) Δ Δ
 Monthly Number of Total Producing Wells x — x

Rate Vs Time Graph All Data - Gas, Oil, Water

CD Date: 200803

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