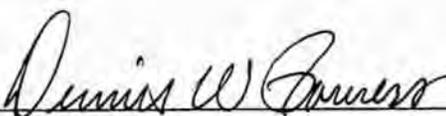


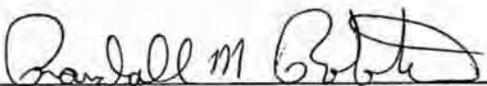
**Addendum 2 to
Analysis Report
Task 1 of AP-088
Construction of Geologic Contour Maps**

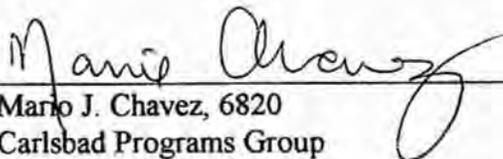
**(AP-088: Analysis Plan for Evaluation of the Effects of
Head Changes on Calibration of Culebra Transmissivity Fields)**

Task Number 1.3.5.3.1.2

Addendum Date: January 13, 2003

Author:  1/13/03
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Consulting Geologist Date

Technical Review:  1/14/03
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QA Review:  1/15/03
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Frank D. Hansen, 6822
Repository Performance and Certification Department Date

Addendum 2 To Analysis Report for Task 1, AP-088, Construction of Geologic Contour Maps

Analysis Plan AP-088 (effective 3/20/02) addresses data and analysis needs for evaluating the effects of head changes on calibration of Culebra transmissivity fields. Task 1 of AP-088 provides for data acquisition, analysis, and construction of geologic maps as a step in the analysis. An original analysis report (dated April 17, 2002) provided geologic maps required for Task 1 on the basis of information available at that time. An Addendum [1] was prepared July 23, 2002, to report minor interpretive changes in one map provided in the original analysis report. No data were changed or added for that addendum.

After the results of the work done for AP-088 were presented to the Environmental Protection Agency (EPA), EPA requested that additional data be acquired, especially from more recent drilling in the area south of WIPP, to find out if dissolution of the upper Salado has developed re-entrants similar to those suggested by the reinterpretation of Addendum [1]. Addendum 2 has been prepared and submitted to meet these requirements as part of Task 1 of AP-088.

The analyst is Dennis W. Powers, Ph.D., Consulting Geologist, Anthony, TX 79821.

Task 1 Revisions for Addendum 2

The purpose of Addendum 2 is to report and archive additional data and interpretive changes to the maps prepared to meet the needs of:

Task 1, Factor A. A contour map of the elevation of the top of the Culebra Dolomite Member (Elevation of the Top of Culebra) has been revised (January 3, 2003) to use in calculating this value as part of Task 2 (Robert M. Holt). New data from potash as well as oil and gas drillholes south of the WIPP site have been added to the original map. Contours have been adjusted south of UTM Y coordinate 3580000 based on these data. A few new data points have been added in the area of T21S, R31E, sections 33 and 34, and the contours have been modestly adjusted to reflect these changes.

Note that a few data points on this map have values followed by "?". These data are considered questionable when original sources were re-examined. Nevertheless, the values remain on the map so it is acknowledged that they exist. Contours have not been adjusted to reflect these values.

Task1, Factor B. A map (dated January 2003) of values of the thickness of the interval between the top of the Culebra Dolomite Member (Rustler Formation) and the base of the Vaca Triste Sandstone Member (Salado Formation) was revised to differentiate areas of upper Salado dissolution south of WIPP. The map included in the original report is a large-format map titled "Thickness from Top of Culebra to Base of Vaca Triste (m)." The map revised January 2003 for

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Addendum 2 includes changes and annotations from the first addendum; annotations show the revisions and date. Changes in data are primarily in the same locations changed for Task 1, Element A.

The map for Factor C, distribution of halite in the Rustler Formation, has not been revised. The data from the potash drillholes do not show Rustler halite. The geophysical logs (generally natural gamma and neutron) from more recently drilled oil and gas wells were, with one or two exceptions, taken within a casing. These logs are not considered to be appropriate for re-interpreting halite distribution in the Rustler for this project because the combined signatures may not uniquely identify halite in combinations with other minerals.

Task 1 Data for Addendum 2

For Addendum 2, geophysical logs were acquired from drillholes south of the WIPP site in parts of T23S, R30-32E, and T24S, R31-32E. About 445 geophysical logs within this area included data acquired above 1000 feet below ground level, a cutoff established to limit acquisition to useful logs. The geophysical logs were interpreted to obtain depth to the top of the Culebra and depth to the base of Vaca Triste. The reference elevation datum was obtained from the geophysical log where available; ground level obtained from topographic maps was used for a few logs. Geological data for 104 potash lithologic logs were examined at BLM-Carlsbad to obtain the same information. The same data were obtained in the vicinity of T21S, R31E, sections 33 and 34, by interpretation of 28 geophysical logs from oil and gas drillholes; companies provided some logs directly because they had not been released yet for public purchase.

The data used in the maps are available in a Microsoft Excel workbook titled "Task 1 Source Data_Rev 01-03." The workbook is arranged in 3 sheets: "ReadMe," "Table-A rev," and "Table-B rev." The "ReadMe" worksheet includes brief notations regarding the information in the other worksheets. "Table-A rev" provides basic information about the drillhole name and location, as well as a unique identification number (ID Number) that is plotted on a large format map identifying particular drillholes (Drillhole ID Numbers rev 1-2-03.pdf). "Table-B rev" provides the basic information used to plot drillhole values for Culebra elevation and thickness of the Culebra-VT interval. The workbook includes all of the data from the original work, with the exception of drillhole ID Number 1243 (Cabin Baby); these data are considered unreliable. New data from geophysical log interpretation is included under drillhole ID Number 9209.

Brief Discussion of Changes to Maps in Addendum 2

Drillhole ID Numbers (Drillhole ID Numbers rev 1-2-03.pdf)

This map is provided for reference only. It is not used directly in developing the contours on the top of Culebra or the thickness values. It can be used to identify the drillhole source for a particular datum on these other maps. It has been revised from the original map provided April 17, 2002, as part of the Analysis Report. New data are color coded for easier identification: the "dots" for drillhole locations are blue or purple, and the hole identifiers are purplish.

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Elevation of the Top of Culebra (Culebra elev rev 1-3-03 B.pdf)

New data have been added to the original Culebra elevation map provided with the original Analysis Report (April 17, 2002). New data are color coded for easier identification: the "dots" for drillhole locations are blue or purple, and the data are blue (oil and gas) or reddish-purple (potash).

The contours south of the WIPP site have been adjusted for the new data and show more local complexity in areas of high data density. The regional shape of the contours and eastward dip are only slightly modified from the original map. There is some additional structural definition in the southeast arm of Nash Draw (southwest of the WIPP site), but some of the potash drillholes in this area are not well described. Uncertain data for the top of Culebra are indicated by a "?" after the value, and several of these locations are in this area. Contours have not been adjusted to reflect values of data marked by a "?".

There are some local sharply defined structures (synclinal) in southern T23S, R31E and northern T24S, R32E. Each structure is defined by more than one drillhole. Drillhole data indicate that the cause must be deeper than upper Salado dissolution. The geophysical logs are mostly obtained inside the casing and the deeper intervals cannot be confidently interpreted at this time to show deformation or dissolution or other potential causes. The lower Salado and Castile Formations may have little distinctive natural gamma signatures (with or without casing) and the neutron log in rather pure halite and anhydrite of these formations shows few distinctions (with or without casing).

New data obtained in the area of sections 33 and 34, T21S, R31E, resulted in minor adjustments to the elevation contours.

Thickness from Top of Culebra to Base of Vaca Triste (Salado Dissolution Line revised 1-3-03.pdf)

Additional data in the vicinity of sections 33 and 34, T21S, R31E, have been used to modify the outline of the dissolution re-entrant in that area. More data points now indicate a change in the thickness across this area. The re-entrant has been extended a little farther south from its previous outline.

Although no new data have been added, the line marking the dissolution margin has been moved slightly in the northeastern part of T21S, R30E, to include a drillhole with a thickness of 156 m in the area of dissolution and to differentiate it from surrounding drillholes with thicker intervals.

Additional data south of the WIPP site indicate that the overall placement of the original line marking Salado dissolution was good. The line is more firmly defined now by changes in thickness and by stratigraphic analysis. Four cross-sections (A-A', B-B', C-C', and D-D') in the vicinity of the boundary (see cross-section locations on the Drillhole ID Numbers map) show clearly where the upper Salado has been dissolved in that area. The line has also been moved west in the southwestern side of T23S, R31E, to reflect a few additional data points.

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The geophysical logs used in the cross-sections have been interpreted for the major stratigraphic markers at top of Rustler Formation, base of Culebra Dolomite Member (of the Rustler Formation), contact between the Rustler and Salado Formations, and base of Vaca Triste Sandstone Member (Salado Formation). In addition, the natural gamma and neutron signatures for the upper Salado have been correlated, and lines have been drawn between different logs to illustrate the correlations. These lines also show where the upper Salado has been thinned; vertical dotted lines with labels on the cross-sections indicate where these units have been thinned or removed.

Computers and Software

The following is a summary of the various personal computer technologies (software and hardware) used in the process of compiling and analyzing the Culebra T field source data for Addendum 2 to Task 1 of Analysis Plan AP-088. Usage parallels work for Task 1 reported in April, 2002. Three software applications were utilized in the creation, identification, and organization of drillhole data records: *Microsoft Access 2002*; *Microsoft Excel 2002*; and *Microrim R:Base 2000*. A conversion program developed by the U.S. Army Corps of Engineers, *Corpscon for Windows 5.11.08*, was used to convert State-Plane coordinates (NAD 27) into UTM (NAD 27) coordinates where location information was available solely in State-Plane coordinates. Plots and graphs were generated using *Grapher 3.03*, a two-dimensional graphing system developed by Golden Software, Inc. The graphic files were then imported into *Adobe Illustrator 8.0* for formatting. Cross-sections were printed directly from *Adobe Illustrator 8.0* using an *HP Designjet 1050C*. Large-format maps were exported as *Adobe Acrobat 3.0* files for printing in the *HP Designjet 1050C*. Word processing needs were accomplished using *Word 2002*. All software was run on a *Dell Inspiron 8200* with an operating system of *Microsoft Windows XP*.

Electronic files attached to this report are in Excel 2002, Acrobat 3.0, or Word 2002 formats.

Routine Calculations

Two routine kinds of calculations were made to support this work. The first is simple subtraction of values in the data table to obtain either an elevation for the Culebra (Reference Elevation - Depth to Culebra) or the thickness of the interval between the base of the Vaca Triste and the top of the Culebra (Base Vaca Triste - Top Culebra). The formulas used are the same as for the original work in April 2002. As Excel 2002 is a standard spreadsheet, no further checking of this function was conducted. Note that the metric units are rounded to the nearest meter, as there is not believed to be any geological significance to the decimals. As in previous reports for Task 1, units in ft were converted to m by multiplying by 0.3048. [See Metric Calculations Checksheet.xls for check of formulas.]

For location data, it was desired to use UTM coordinates for drillholes and other features. A large number of the drillholes added to the data base had locations in NM State Plane (NAD27) coordinates provided by Dave Hughes (Westinghouse). These were accepted as given. All State Plane coordinates were converted to UTM (NAD27) coordinates using *Corpscon for Windows*

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5.11.08. The algorithm was not verifiable. During the initial work (April, 2002), four UTM locations were calculated from the NM State Plane coordinates; map locations for the coordinates are compatible, within the accuracy practical using 7.5 minute quadrangle maps.

Equivalent locations were not available for the potash data acquired for this project. The drillholes were plotted on 7.5 minute quadrangle maps using standard township-range-section coordinates, and the UTM (NAD27) coordinates were then read from the map. Locations were spot checked and the coordinates were read without knowledge of the previous coordinates. All checked within ± 20 m, which is about best accuracy to be expected using maps and an engineer's scale. As these geological data are not particularly sensitive to that variation, it was deemed acceptable.

The methods for plotting locations and obtaining coordinates were investigated and reported in more depth in the original report (April 17, 2002).

Personnel

Dennis W. Powers did the geological interpretation and map construction. A resumé is attached for information. Chris Mahoney (B.A., M.Ed.) assisted with data management and some quality checks of data transcription and calculations. Mahoney is employed as Technical Associate to Powers.

Attachments:

Printed Material:

Large-format print map titled: Drillhole ID Numbers [dated January 2003]

Large-format print map titled: Elevation of the Top of Culebra [dated January 2003]

Large-format print map titled: Thickness from Top of Culebra to Base of Vaca Triste (m) [dated January 2003, also shows annotations dated 5/15/02]

Four large-format print cross-sections titled:

- 1) Geophysical log cross-section A-A' in the Vicinity of H-9 illustrating dissolution of the upper Salado Formation
- 2) Geophysical log cross-section B-B' in the Vicinity of H-9 illustrating dissolution of the upper Salado Formation
- 3) Geophysical log cross-section C-C' in the Vicinity of H-9 illustrating dissolution of the upper Salado Formation
- 4) Geophysical log cross-section D-D' in the Vicinity of H-9 illustrating dissolution of the upper Salado Formation

Resumé for Dennis W. Powers, Ph.D., Consulting Geologist.

Electronic files:

Task 1 Analysis Report for AP-088 Addendum 2.doc (Microsoft Word 97/2002)

Task1 Source Data_Rev 01-03.xls (Microsoft Excel 97/2002)

Metric Calculations Checksheet.xls (Microsoft Excel 2002)

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Drillhole ID Numbers rev 1-2-03.pdf (large format map prepared with Illustrator 8.0)
Culebra elev rev 1-03-03 B. pdf (large format map prepared with Illustrator 8.0)
Salado dissolution line revised 1-03-03.pdf (large format map prepared with Illustrator 8.0)
Cul-VT Cross section SW-NE A.ai (large format geophysical log cross-section prepared with
Illustrator 8.0)
Cul-VT Cross section SW-NE B.ai (large format geophysical log cross-section prepared with
Illustrator 8.0)
Cul-VT Cross section SW-NE C.ai (large format geophysical log cross-section prepared with
Illustrator 8.0)
Cul-VT Cross section SW-NE D.ai (large format geophysical log cross-section prepared with
Illustrator 8.0)

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Printed Attachments

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Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
215	NF-23-F	20	32	27	1000s	2640w	617001	3600704	S02
216	D-159	21	30	11	1220n	100w	607180	3595973	S02
217	U-75	21	30	15	450s	690w	605836	3593237	S02
218	MPE-186	21	30	23	1498s	285e	608737	3593026	S02
219	MPE-185	21	30	26	346s	2505e	608078	3590020	S02
220	MPE-179	21	30	27	645n	2486e	606478	3591306	S02
221	MPE-179-A	21	30	27	645n	2480e	606480	3591306	S02
222	MPE-183	21	31	35	183s	136w	616949	3588392	S02
223	K-140	21	32	6	3568n	2777w	620852	3597765	S02
224	IMCC Water Test #3	22	29	12	1764n	1959w	599773	3586090	S02
225	IMCC Water Test #2	22	29	12	1386n	2310w	599790	3586205	S02
226	IMCC Water Test #1	22	29	12	1070n	2604w	599879	3586302	S02
227	I-323	22	30	4	1324s	1518e	605118	3587061	S02
228	U-97	22	30	9	301s	305w	606498	3580247	S02
229	D-250	22	30	35	2700s	2450e	608228	3579469	S02
230	U-30	20	31	14	2140s	500w	608447	3604178	S02
232	U-75-A	21	30	15	450s	700w	605833	3593237	S02
307	K-118	21	31	8	1320s	1320w	613360	3605596	S02
311	K-119	21	31	8	1320s	1320e	613196	3595142	S02
398	K-113	20	32	35	50s	1100e	619139	3598851	S02
400	K-112	20	32	35	100s	1500w	618316	3598861	S02
452	Wills-10-A (W-10A)	21	30	1	1116s	827e	610124	3596707	S02
453	Wills 10	21	30	1	1116s	817e	610127	3596707	S02
454	D-131	21	30	1	2985n	1411w	609172	3597813	S02
455	U-126	21	30	2	180s	2459w	607916	3596419	S02
456	U-144	21	30	2	995.6n	2477.8w	607911	3598438	S02
457	US Potash (U-0)	21	30	2	2691s	250w	607233	3597177	S02
458	D-157	21	30	3	745s	1549w	606026	3596560	S02
459	U-91	21	30	3	4242n	1080w	605891	3597397	S02
460	Wills #13 (W-13)	21	30	3	979s	2434e	606429	3596654	S02
461	Wills-9 (W-09)	21	30	3	3918n	1017e	606843	3597517	S02
462	Wills 14 (W-14)	21	30	3	1259n	1331e	606723	3598331	S02
500	D-158	21	30	10	1776s	1935w	606148	3595280	S02

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Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
501	Wills 12 (W-12)	21	30	10	2170n	1457e	606717	3595680	S02
502	US Potash #1 Aray McNutt J (U-S)	21	30	10	2340.82s	150w	605606	3595445	S02
503	FC-62	21	30	10	707s	707e	606958	3594958	S02
504	D-112	21	30	10	1083n	810w	605801	3595994	S02
505	Wills 11	21	30	11	2595s	1940e	608188	3595537	S02
507	D-152	21	30	11	1261s	1417w	607604	3595137	S02
508	D-156	21	30	11	1237n	1268w	607553	3595982	S02
510	U-63	21	30	13	2960n	340w	608915	3593835	S02
523	K-159	21	30	13	1200s	200e	602297	3593420	S02
550	FC-80	21	30	24	580n	470e	610307	3592998	S02
551	Crosby #1 (RC-01)	21	30	25	1098s	969w	609136	3590255	S02
552	Crosby #2 (RC-02)	21	30	26	983n	1364w	607652	3591221	S02
583	I-123	21	30	34	1320n	2640w	606443	3589492	S02
584	K-109	21	31	1	500n	500e	619841	3598695	S02
585	K-138	21	31	1	5351n	50e	619995	3597211	S02
586	K-137	21	31	1	3650n	25e	619999	3597714	S02
588	K-133	21	31	1	1320n	1320w	618791	3598422	S02
589	NF-51-F	21	31	2	2640s	2640w	617610	3597196	S02
590	FC-58	21	31	2	3500n	700w	617005	3597710	S02
591	K-107	21	31	2	750n	2050w	617426	3598597	S02
592	NMP-163	21	31	21	50s	2600w	617608	3596381	S02
593	K-111	21	31	2	4000n	100e	618339	3597612	S02
594	K-102	21	31	3	4040s	1350e	616396	3597622	S02
595	NF-50-F	21	31	3	2550s	2640w	615995	3597132	S02
596	K-100	21	31	3	0s	2540e	616046	3596363	S02
597	K-101	21	31	3	2640s	50e	616787	3597175	S02
598	FC-57	21	31	3	2600n	2640w	615990	3598009	S02
599	FC-55	21	31	3	3960s	50w	615193	3597577	S02
600	K-99	21	31	3	2100s	900w	615501	3596985	S02
601	K-103	21	31	3	1600n	350e	616704	3598333	S02
602	FC-64	21	31	4	680s	2560e	614402	3598584	S02
603	FC-54	21	31	4	50s	2640w	614400	3596368	S02
604	FC-83	21	31	4	1500s	700e	614976	3596821	S02

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Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
605	FC-85	21	31	4	1317s	1302w	613971	3596754	S02
606	NF-49-F	21	31	4	2642s	2640w	614373	3597130	S02
607	FC-64-A	21	31	4	700s	2560e	614402	3598578	S02
608	NF-53-F	21	31	4	2640n	2643w	614344	3597991	S02
609	FC-74	21	31	4	1026s	2549e	614413	3596673	S02
610	NF-22-F	21	31	5	875s	350w	612083	3596605	S02
611	FC-87	21	31	5	2010s	755e	613345	3596956	S02
612	NF-21-F	21	31	5	3960s	300e	613463	3597536	S02
613	NF-41-F	21	31	5	100n	60e	613502	3598740	S02
614	NF-19-F	21	31	5	100s	100w	612008	3596353	S02
615	FC-60	21	31	5	2600n	2625w	612752	3597965	S02
616	FC-56	21	31	5	1980s	2640w	612766	3596937	S02
617	NF-8-F	21	31	5	100s	100e	613562	3596386	S02
618	NF-03-F	21	31	5	125n	2639e	612717	3598735	S02
619	FC-90	21	31	5	1102s	1642e	613088	3596680	S02
620	NF-24-F	21	31	5	3960n	1000w	612259	3597551	S02
623	NF-48-F	21	31	6	3960n	1500e	611498	3597546	S02
624	NF-37-F	21	31	7	2641s	100e	611952	3595500	S02
625	NF-39-F	21	31	7	2641s	2640e	611175	3595495	S02
626	K-117	21	31	7	1320s	1320e	611597	3595109	S02
627	K-115	21	31	7	1320n	1320e	611592	3595893	S02
628	FC-88	21	31	8	1375n	1395e	613153	3595926	S02
629	NF-30-F	21	31	8	2640n	2640e	612806	3595512	S02
630	FC-89	21	31	8	200n	2600e	612786	3596259	S02
631	K-116	21	31	8	1320n	1320w	612392	3595883	S02
632	NF-35-F	21	31	8	238s	238w	612079	3594792	S02
633	FC-61	21	31	9	50s	2642w	614410	3594783	S02
634	FC-86	21	31	9	968n	1676w	614105	3596046	S02
635	K-95	21	31	9	1260s	1000e	614903	3595137	S02
636	FC-84	21	31	9	558n	1241e	614813	3596195	S02
637	NF-32-F	21	31	9	1983n	330w	613703	3595731	S02
638	NF-31-F	21	31	9	2000n	2000e	614587	3595737	S02
640	NF-44-F	21	31	10	2640s	2640w	616020	3595571	S02

Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
641	NF-42-F	21	31	10	330n	320w	615300	3596259	S02
642	K-94	21	31	10	2240n	0w	615204	3595695	S02
643	NF-38-F	21	31	10	228s	2644e	616002	3594839	S02
645	FC-59	21	31	11	300n	300w	616900	3596277	S02
646	K-139	21	31	12	800n	600w	618615	3596166	S02
649	NMP-153 (K-153)	21	31	13	70s	70e	620027	3593234	S02
650	FC-72	21	31	14	2640s	2640w	617668	3593973	S02
651	FC-71	21	31	14	141n	141w	617466	3594711	S02
652	FC-67	21	31	14	141s	141w	616873	3593184	S02
653	FC-73	21	31	14	141s	141e	618397	3593216	S02
656	NF-36-F	21	31	15	2590n	2642e	615985	3593925	S02
657	NF-33-A	21	31	15	70n	528w	615408	3594736	S02
660	NF-46-F	21	31	16	2640n	2640e	614385	3593922	S02
661	FC-75	21	31	16	250s	250w	613674	3593164	S02
662	KP-96	21	31	16	1300n	1000e	614908	3594329	S02
663	KP-97	21	31	16	1400s	500e	615080	3593569	S02
664	NF-45-F	21	31	17	318n	84e	613588	3594641	S02
665	FC-77	21	31	17	2600s	2600e	612831	3593905	S02
666	NMP-161	21	31	18	2500s	2500e	611368	3593850	S02
667	NMP-160 (K-160)	21	31	18	1700n	1300w	610818	3594152	S02
668	FC-79	21	31	19	2400s	2400e	611302	3592212	S02
669	NMP-165	21	31	20	20s	2640e	612853	3591513	S02
670	FC-78	21	31	20	2450s	2450e	612879	3592244	S02
671	NMP-166	21	31	20	50s	50w	612053	3591508	S02
673	K-98	21	31	21	160n	2282e	614543	3593062	S02
674	FC-76	21	31	21	2640n	2626w	614441	3592308	S02
676	NMP-164	21	31	21	50s	50w	613668	3591533	S02
677	NFU-40-F	21	31	22	200n	668w	615449	3593053	S02
678	NF-43-F	21	31	22	2640n	2640w	616079	3592287	S02
682	NMP-156 (K-156)	21	31	23	250s	250e	618391	3591654	S02
683	NMP-155 (K-155)	21	31	24	1700s	70e	620043	3591984	S02
684	KP-93	21	31	24	2740n	200w	618524	3592364	S02
685	NMP-154 (K-154)	21	31	24	1800n	2500e	619284	3592650	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
686	NMP-157 (K-157)	21	31	26	500s	2000w	617479	3590094	S02
688	NMP-167	21	31	27	2630n	2650e	616066	3590725	S02
689	FC-66	21	31	27	300n	200w	615284	3591437	S02
690	NMP-168	21	31	28	2640n	2640e	614458	3590693	S02
691	USP-135	21	31	28	300s	600w	613868	3590034	S02
692	NMP-170	21	31	29	2640n	20e	613651	3590710	S02
693	NMP-169	21	31	29	2640s	2640e	612851	3590705	S02
694	Wills-8 (W-8)	21	31	30	2667s	206w	610504	3590691	S02
695	Wills-7	21	31	31	264n	471w	610601	3589792	S02
696	FC-63	21	31	32	300n	2540w	612841	3589806	S02
697	FC-68	21	31	32	141s	141e	613658	3588349	S02
698	FC-65	21	31	34	100s	100w	615319	3588328	S02
699	NF-52-F	21	31	34	250n	2208e	616201	3589858	S02
700	FC-69	21	31	34	141n	150w	615317	3589860	S02
702	D-96	22	30	3	693n	977e	606925	3588078	S02
703	U-168	22	30	3	1320s	300e	607144	3587089	S02
704	Gypsy #3 (GO-03)	22	30	4	150n	400e	605461	3588214	S02
707	U-167	22	30	4	1320s	200e	605552	3587056	S02
737	NM Potash #1 / Lomasson 1 (I-A)	22	30	6	1998.1s	2193.3w	601932	3587270	S02
741	NM Potash #3A / Lomasson Test #3 (I-C)	22	30	6	3413s	4645w	602074	3587697	S02
742	NM Potash #2/Lomasson #2 (I-B)	22	30	6	3311.4s	2561.7w	601442	3587663	S02
755	Gypsy Oil #4 (GO-04)	22	30	8	756s	756w	602569	3585278	S02
764	U-163-S	22	30	9	1320n	2640w	604757	3586289	S02
766	U-97-A	22	30	9	315s	291w	604071	3585165	S02
767	I-322	22	30	9	2406n	578w	604104	3585927	S02
769	I-326	22	30	9	215n	783w	604199	3586613	S02
770	D-82	22	30	10	1883n	2574e	606457	3586094	S02
771	D-121	22	30	11	1247s	1302w	607642	3585454	S02
773	D-120	22	30	13	1562n	1565w	609361	3584611	S02
774	D-48	22	30	14	134s	2039e	608263	3583523	S02
783	I-147	22	30	20	1320s	1320e	603578	3582218	S02
784	NM Potash & Chemical #1 (I-D)	22	30	20	754.5n	1568.9w	602734	3583191	S02
785	IMCC #145 (I-145)	22	30	20	1320n	1320e	603589	3583044	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
786	IMCC # 143 (I-143)	22	30	20	1320n	1320w	602758	3583039	S02
787	I-114	22	30	20	1320s	1320w	602786	3582201	S02
788	D-33	22	30	21	109s	81e	605622	3581883	S02
789	I-111	22	30	21	1320n	2640e	604815	3583036	S02
790	I-112	22	30	21	1320s	1320w	604432	3582242	S02
791	D-263	22	30	22	2563n	272e	607187	3582693	S02
792	D-264	22	30	22	2585n	2551e	606500	3582849	S02
794	D-259	22	30	23	1873s	1144e	608544	3582465	S02
795	D-261	22	30	23	407n	1513w	607731	3583352	S02
796	D-262	22	30	23	213n	70w	607289	3583425	S02
797	D-202	22	30	23	1289.12s	1202.48w	607624	3582231	S02
798	D-260	22	30	23	1093n	789e	608654	3583167	S02
799	D-255	22	30	23	104s	1303e	608502	3581886	S02
800	D-258	22	30	23	1508n	2677e	608084	3583011	S02
802	D-104	22	30	24	2585n	1394e	610097	3582719	S02
806	D-235	22	30	25	2878s	789w	609154	3581174	S02
807	D-203	22	30	26	2650s	1276.3e	608538	3581048	S02
808	D-254	22	30	26	300n	2100w	607939	3581761	S02
809	D-233	22	30	26	4810s	13w	607299	3581757	S02
810	D-234	22	30	26	188s	4712w	608741	3580318	S02
811	D-200	22	30	27	540s	20w	605692	3580436	S02
812	D-198	22	30	27	38s	2643w	606493	3580251	S02
813	D-181	22	30	27	2664s	2625e	606526	3581082	S02
814	D-231	22	30	27	2370s	224e	607243	3580995	S02
815	D-232	22	30	27	1326s	1366w	606102	3580652	S02
816	D-224	22	30	28	1377n	1390e	605229	3581432	S02
817	D-219	22	30	28	1221s	1237e	605310	3580602	S02
818	D-216	22	30	28	1199.5s	1421.1w	604472	3580581	S02
819	D-185	22	30	28	2593n	16e	605689	3581046	S02
820	D-167	22	30	28	2447s	2652e	604881	3580965	S02
821	D-225	22	30	28	1822n	1351w	604468	3581252	S02
822	D-278	22	30	28	1200s	100w	604076	3580579	S02
850	D-199	22	30	33	2477n	2539e	604906	3579487	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
851	D-218	22	30	33	1246n	1441e	605239	3579839	S02
852	D-196	22	30	33	3077n	2540e	604937	3579304	S02
853	D-221	22	30	33	1351s	1331e	605335	3579032	S02
854	D-195	22	30	33	2777.16n	2539.67e	604967	3579411	S02
855	D-194	22	30	33	270.6n	1464.9e	605267	3580190	S02
856	D-217	22	30	33	1294n	1321w	604477	3579819	S02
857	D-170	22	30	33	2698.76n	2543.21e	604937	3579426	S02
858	D-38	22	30	33	97n	2551w	604856	3580187	S02
859	D-168	22	30	33	178.5n	243.5e	605633	3580177	S02
860	D-169	22	30	33	21.8n	69.7w	604079	3580183	S02
861	D-228	22	30	33	1777s	2504w	604847	3579174	S02
862	D-226	22	30	33	2591s	1302w	604510	3579408	S02
863	D-180	22	30	34	2944n	2681e	606522	3579344	S02
864	D-188	22	30	34	2621n	67w	605744	3579461	S02
865	D-230	22	30	34	1505n	2672w	606072	3580622	S02
866	D-36	22	30	34	280n	325e	607218	3580156	S02
867	USGS 3 (GS 3)	22	30	34	252s	247w	605810	3578715	S02
868	D-229	22	30	34	618n	1334w	606121	3580066	S02
870	D-250-A	22	30	35	2810s	2503e	608211	3579503	S02
871	D-249	22	30	35	2627n	306w	607428	3579434	S02
873	D-160-S	22	30	36	2464s	1117w	609279	3579407	S02
907	D-227	23	30	3	1278n	1184w	606095	3578229	S02
1072	Pan American Petroleum Corp., Big Eddy Unit #11	20	31	7	1650s	660e	603066	3605638	S02
1095	Perry R. Bass, Big Eddy Unit #61	21	29	15	1980s	1980w	596399	3593637	S02
1096	Pan American Petroleum Corp., Big Eddy Unit #16	21	29	18	1980s	1980e	591981	3593595	S02
1097	Perry R. Bass, Big Eddy Unit No. 40	21	29	22	1980n	1980e	596810	3592435	S02
1098	Bass Enterprises Prod. Co., Big Eddy Unit No. 38	21	29	34	660n	1980w	596431	3589626	S02
1099	WIPP 27	21	30	21	90n	1485w	604426	3593079	S02
1103	WIPP 30	21	31	33	668n	177w	613721	3589701	S02
1104	ERDA 6	21	31	35	2152s	910e	618219	3589008	S02
1105	Phillips Petroleum Company, ETZ Federal #1	21	32	1	3255n	1972e	629087	3597969	S02
1106	Kimball Production Company, Federal #1	21	32	1	660s	1980w	628706	3596747	S02
1107	Phillips Petroleum Company, Hat Mesa A #1	21	32	2	660s	1980e	627502	3596724	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1108	Amini Oil Company, Pubco Federal #1	21	32	2	3300n	660w	626664	3597908	S02
1109	Amini Oil Company, New Mexico Federal #1	21	32	4	1683n	1650w	623751	3598347	S02
1110	Holly Energy, Inc., Salt Lake Deep No. 1	21	32	6	2189n	500e	621490	3598180	S02
1111	The Superior Oil Company, Government H Com. #1	21	32	10	1980n	1980e	625923	3595922	S02
1112	Gackle Drilling Company, Federal #1	21	32	11	660s	660e	627939	3595142	S02
1113	Phillips Petroleum Company, Hat Mesa 2-#2	21	32	11	660s	1980w	627116	3595137	S02
1114	Phillips Petroleum Company, Hat Mesa #1	21	32	11	1980n	1980e	627507	3595932	S02
1116	Gulf Oil Corporation, San Simon #1	21	32	26	1980n	660e	627949	3591135	S02
1137	WIPP 32	22	29	33	1673s	29e	595903	3579080	S02
1138	WIPP 29	22	29	34	407s	1828e	596981	3578694	S02
1142	WIPP 33	22	30	13	1762s	2427w	609626	3584023	S02
1143	WIPP 25	22	30	15	1853s	2838e	606385	3584028	S02
1144	P-14	22	30	24	312s	613w	609084	3581976	S02
1145	P-12	22	30	24	167n	195e	610456	3583451	S02
1147	WIPP 26	22	30	29	2232n	12e	604014	3581162	S02
1149	DOE 2	22	31	8	704s	128e	613683	3585294	S02
1150	WIPP 11	22	31	9	712n	294w	613791	3586475	S02
1151	WIPP 34	22	31	9	202s	2000w	614333	3585145	S02
1152	WIPP 14	22	31	9	99s	2112e	613080	3585102	S02
1153	AEC 8	22	31	11	935n	1979w	617525	3586443	S02
1154	P-20	22	31	14	794s	103e	618531	3583767	S02
1155	Fenix & Scisson, WIPP HYDRO H-5c	22	31	15	1007n	134e	616903	3584802	S02
1156	P-21	22	31	15	852n	150e	616898	3584849	S02
1158	Fenix & Scisson, WIPP #13	22	31	17	2566s	1731w	612644	3584247	S02
1159	WIPP 12	22	31	17	148s	84e	613710	3583524	S02
1160	P-5	22	31	17	202s	165e	613684	3583540	S02
1161	P-13	22	31	18	125n	116w	610531	3585019	S02
1162	Fenix and Scisson, Inc., WIPP H-6c	22	31	18	281n	375w	610610	3584983	S02
1163	P-3	22	31	20	103s	3122e	612799	3581897	S02
1164	Fenix & Scisson, Inc., WIPP #18	22	31	20	4306s	50e	613735	3583179	S02
1165	Fenix & Scisson, Inc., WIPP #22	22	31	20	2547s	50e	613739	3582653	S02
1166	Fenix & Scisson, Inc., WIPP #21	22	31	20	1451s	10e	613743	3582319	S02
1167	Fenix & Scisson, Inc., WIPP #19	22	31	20	2986s	50e	613739	3582782	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1168	ERDA 9	22	31	20	267s	177e	613696	3581958	S02
1169	P-11	22	31	23	175n	177w	617015	3583457	S02
1170	P-19	22	31	23	1652s	2330w	617680	3582419	S02
1172	P-18	22	31	26	134s	797e	618367	3580350	S02
1173	P-10	22	31	26	2315n	339w	617088	3581203	S02
1174	P-4	22	31	28	146s	1487e	614935	3580317	S02
1175	DOE-1	22	31	28	182s	608e	615203	3580333	S02
1176	P-2	22	31	28	125n	172e	615316	3581848	S02
1177	H-1	22	31	29	623n	1083e	613423	3581684	S02
1178	Department of Energy, H-14	22	31	29	372s	562w	612341	3580354	S02
1179	ERDA, Hydrological H-2c	22	31	29	770n	3584e	612666	3581668	S02
1180	Sandia National Laboratories, Hydrological No. 3	22	31	29	3200n	140e	613728	3580895	S02
1181	P-1	22	31	29	327s	551w	612338	3580341	S02
1182	P-6	22	31	30	2767s	199w	610608	3581073	S02
1183	P-15	22	31	31	398s	184w	610624	3578747	S02
1184	H-11b3	22	31	33	1502s	105e	615345	3579130	S02
1185	P-9	22	31	33	1493s	143e	615354	3579125	S02
1226	Mesa Petroleum Company, Nash Unit #3	23	29	12	1980s	1980w	599781	3575965	S02
1227	Mesa Petroleum, Nash Unit #5	23	29	13	2310s	330e	600711	3574446	S02
1228	Mesa Petroleum Company, Nash Unit #4	23	29	13	990n	330e	600703	3575056	S02
1229	Mesa Petroleum Company, Nash Unit #1	23	29	13	1980n	660e	600606	3574755	S02
1230	Fenix & Scisson, Inc., WIPP H-7c	23	30	14	2595n	2471w	608095	3574640	S02
1231	Skelly Oil Company, Forty-Niner Rdige Unit #1	23	30	16	1980s	1980e	605113	3574370	S02
1232	Mesa Petroleum Company, Nash Unit #6	23	30	18	1980n	330w	600908	3574754	S02
1234	Skelly Oil Company, Forty Niner Ridge Unit 2	23	30	21	1980n	1980e	605129	3573163	S02
1236	ERDA 10	23	30	34	200n	2327e	606686	3570514	S02
1237	Atomic Energy Commission, U.S.G.S. Test Hole #1	23	30	34	2640n	2640w	606462	3569459	S02
1239	P-17	23	31	4	1351s	395w	613926	3577466	S02
1240	P-8	23	31	4	642n	96w	613830	3578467	S02
1241	Fenix & Scisson, WIPP No. H-4C	23	31	5	447n	719w	612406	3578499	S02
1242	P-7	23	31	5	513n	396w	612309	3578341	S02
1243	MP Grace Cabin Baby Federal No. 1	23	31	5	1980n	1980e	613191	3578048	S02
1244	P-16	23	31	5	951s	1629w	612695	3577322	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1246	Texas American Oil Corp., Todd Federal 14 No. 1	23	31	14	1980s	1980w	617669	3574470	S02
1247	H-12	23	31	15	23n	92e	617023	3575452	S02
1248	El Paso Natural Gas Company, Arco State #1-16	23	31	16	1980s	1980w	614449	3574431	S02
1249	Patoil Corporation, Muse Federal #1	23	31	21	660s	660e	615274	3572428	S02
1250	Texas American Oil Corporation, Todd Federal 23 #3	23	31	23	1980s	1800e	618137	3572856	S02
1251	Texas American Oil Corp., Todd 23 Federal No. 1	23	31	23	660s	1650e	618189	3572454	S02
1252	Skelly Oil Company, Todd 25 Federal #1-Z	23	31	25	1980n	1970w	619302	3571663	S02
1253	Texas American Oil Corp., Todd Federal #2	23	31	26	1980n	1650e	618199	3571649	S02
1254	Texas American Oil Corp., Todd Federal 26 No. 1	23	31	26	1980n	1980e	618099	3571649	S02
1255	Texas American Oil Corporation, Todd Federal #4	23	31	26	660n	1980e	618094	3572051	S02
1256	Patoil Corporation, Wright-Federal #1	23	31	27	1980s	660w	615691	3571224	S02
1257	El Paso Natural Gas Company, Mobil-Federal #1	23	31	29	1980s	1980e	613281	3571198	S02
1258	J.A. Leonard, Continental State No. 1	23	31	32	660n	660w	612478	3570381	S02
1259	Patoil Corporation, Wright-Federal #2	23	31	33	1980n	660w	614097	3570001	S02
1260	Charles P. Miller, Pauley Harrison State #1	23	31	36	660s	660w	618937	3569256	S02
1263	Hill & Meeker & Ambass. Oil Corp., Matthews 11 #1	23	32	11	1980n	1980e	627748	3576625	S02
1264	John H. Trigg, Federal Continental 1-15	23	32	15	1980n	1980e	626165	3574992	S02
1265	Skelly Oil Company, Federal Sand 18-1	23	32	18	1980n	660e	621742	3574918	S02
1266	Kirklín Drilling Company, Federal Estill AF-1	23	32	20	660s	1980e	622975	3572523	S02
1267	Fenix & Scisson, Inc., WIPP No. H-10c	23	32	20	381s	1978e	622976	3572441	S02
1268	Curtis Hankamer, Gulf-Federal A-A #1	23	32	21	660n	1980e	624575	3573773	S02
1269	H.L. Johnston, Sr., Conoco-Fields-Federal #1	23	32	24	1650s	330e	629920	3572944	S02
1270	Continental Oil Company, Fields Federal No. 1	23	32	24	660s	660e	629825	3572639	S02
1271	Continental Oil Company, Fields No. 2	23	32	25	990s	330w	628520	3571097	S02
1272	H.L. Johnston, Sr., Wehrli-Federal #1	23	32	25	990n	2310w	629111	3572119	S02
1273	John H. Trigg, Federal WL #3-26	23	32	26	330s	330e	628334	3570856	S02
1274	P.M. Drilling Company, Federal James No. 4	23	32	26	1980s	330e	628315	3571394	S02
1275	P.M. Drilling Company, Federal Field #1	23	32	26	660s	1980w	627418	3570976	S02
1276	John H. Trigg Company, No. 4-26 Federal WL	23	32	26	330s	1650e	627920	3570884	S02
1277	Max Wilson, Continental Federal No. 1	23	32	28	660n	1980w	624187	3572138	S02
1278	Curtis Hankamer, Hankamer No.1 Continental Federal	23	32	31	660s	660w	620573	3569284	S02
1279	Curtis Hankamer, Holder Federal #1	23	32	33	1980n	660e	625017	3570139	S02
1280	The Pure Oil Company, Federal K No. 1	23	32	34	1980s	330e	626729	3569760	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1281	PM Drilling Company, Federal James No. 3	23	32	35	1980s	1980e	627835	3569778	S02
1282	John H. Trigg, Federal WL 1-35	23	32	35	1650n	2310e	627727	3570277	S02
1283	P.M. Drilling Company, Federal-James No. 1	23	32	35	660n	660e	628225	3570588	S02
1284	P-M Drilling Company, Payne No. 2	23	32	35	990n	2310w	627525	3570475	S02
1285	John H. Trigg, Federal WL No. 2-35	23	32	35	1650n	990e	628132	3570321	S02
1286	P.M. Drilling Company, Payne Federal No. 4	23	32	35	1980n	660w	627026	3570164	S02
1287	P-M Drilling Company, Federal-Payne No. 1	23	32	35	2310n	2310w	627530	3570073	S02
1288	P.M. Drilling Co., Federal James No. 2	23	32	35	660n	1980e	627823	3570581	S02
1289	P.M. Drilling Company, Federal Payne No. 3	23	32	35	1980s	330w	626930	3569763	S02
1290	Penroc Oil Corporation, Triste State #1	23	32	36	330n	330w	628526	3570694	S02
1291	The Pure Oil Company, Brinninstool Deep Unit #1	23	32	36	1980s	1980e	629457	3569817	S02
1292	David Fasken, Gulf State #1	23	32	36	1980n	660w	628633	3570194	S02
1296	P-M Oil Company, Texaco State No. 1	23	33	17	660s	660w	631788	3574265	S02
1297	Helbing & Podpechan, #1 A Shell State	23	33	18	660s	660w	630201	3574251	S02
1298	Tenneco Oil Company, Skelly State #1	23	33	18	660n	1980e	630963	3575466	S02
1299	Continental Oil Company, Marshall #3	23	33	19	660s	1980w	630578	3572637	S02
1300	Continental Oil Company, I.J. Marshall 19-1	23	33	19	660s	660w	630227	3572646	S02
1301	Continental Oil Company, Marshall #4	23	33	19	1980s	625w	630209	3573048	S02
1302	Continental Oil Company, Marshall #19-2	23	33	19	1980s	1910w	630601	3573052	S02
1303	American Quasar, Brinninstool #1	23	33	20	1980n	1980e	632608	3573470	S02
1304	Continental Oil Company, Levick Federal #1	23	33	20	660s	660e	633020	3572672	S02
1305	Kirklin Drilling Company, Lea State #1	23	33	31	660n	660e	631438	3570648	S02
1306	El Cinco Production Co., Ltd., Humble State 1-32	23	33	32	660n	1980e	632647	3570658	S02
1307	George L. Buckles Company, State 1-35	23	33	35	660s	660w	636679	3569506	S02
1323	Chase Petroleum Company, Valley #1	24	29	5	1650s	660w	593014	3567718	S02
1324	El Capitan Oil Company, Federal Reid No. 1	24	29	6	330s	2310e	592116	3567312	S02
1325	Southern California Petrol. Corp., Federal Reid #1	24	29	7	2310s	2310e	592131	3566293	S02
1326	Southern California Petrol. Corp., Federal Reid #2	24	29	7	2310n	2310e	592127	3566508	S02
1327	Tennessee Production Comp., Valley Land Company #2	24	29	7	990s	330w	591326	3565885	S02
1328	Tennessee Production Company, Valley Land #3	24	29	7	1650s	1650w	591727	3566089	S02
1329	Skelly Oil Company, Cedar Canyon #1	24	29	9	770s	770e	595818	3565847	S02
1330	Skelly Oil Company, Cedar Canyon 9D #1	24	29	9	660s	1980e	595449	3565811	S02
1331	Skelly Oil Company, Cedar Canyon #10-1	24	29	10	2180n	1980w	596646	3566579	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1332	Penzoil United Incorporated, Mobil-Federal 27 #1	24	29	27	660s	660w	596313	3560966	S02
1333	Perry R. Bass, Poker Lake Unit #54	24	30	4	660s	1980e	605183	3567538	S02
1334	Perry R. Bass, Poker Lake Unit #45	24	30	18	460n	660e	602339	3565540	S02
1335	Fenix & Scisson, Inc., WIPP H No. 8-C	24	30	23	2062n	1466e	608665	3563536	S02
1336	Hill & Meeker, Bass Federal #1-25	24	30	25	660s	660w	609335	3561153	S02
1337	Ford Chapman & Associates, Federal-Nettles No. 1	24	30	29	660s	660e	604029	3561075	S02
1338	Skelly Oil Company, Todd 2 State #1	24	31	2	1980n	1980w	617736	3568433	S02
1339	Max Wilson, Jennings Federal No. 1	24	31	3	660s	660e	616940	3567612	S02
1340	Jack L. McClellan, Jennings Federal No. 1	24	31	3	660n	660w	615725	3568815	S02
1341	Texaco, Incorporated, M.M. Stewart Federal #1	24	31	4	660n	660e	615323	3568810	S02
1342	Fenix & Scisson, Inc., WIPP No. H-9C	24	31	4	2482n	193w	613974	3568234	S02
1343	Sundance Oil Company, Betty Federal #1	24	31	4	1659n	2310w	614621	3568495	S02
1344	El Paso Natural Gas Company, Sundance Federal #1	24	31	4	1980n	1980w	614522	3568395	S02
1345	American Quasar, Dunes Unit Federal #1	24	31	6	1980n	1980w	611289	3568363	S02
1346	Ambassador Oil Corporation, Federal Y #1	24	31	7	660s	660e	612152	3565948	S02
1347	Gulf Oil Corporation, Federal Littlefield CT #1	24	31	11	660n	1980e	618146	3567222	S02
1348	Coquina Oil Corporation, El Paso Federal No. 1	24	31	12	1980s	1980w	619362	3566428	S02
1349	W.J. Weaver, Continental Federal #1	24	31	17	660n	660e	613761	3565565	S02
1350	Charles B. Read, Ritchie Federal #1	24	31	18	660s	660e	612170	3564337	S02
1351	Pauley Petroleum Incorporated, Jennings Federal #1	24	31	20	660n	660e	613780	3563956	S02
1352	David Fasken, Poker Lake #40	24	31	20	660s	1980w	612990	3562733	S02
1353	Hill & Meeker, Carper Federal #1-21	24	31	21	660n	660e	615384	3563978	S02
1354	The Texas Company, T. Heflin-Federal #1	24	31	24	660s	1980e	619809	3562815	S02
1355	Pan American Petroleum Corp., Poker Lake Unit #36	24	31	28	660s	660e	615416	3561155	S02
1356	Texaco, Incorporated, Cotton Draw Unit No. 67	24	31	35	1980s	660w	617435	3559995	S02
1357	Union Oil Co. of California, Union Federal 1 #1	24	32	1	660s	1980e	629483	3567798	S02
1358	Cabeen Exploration Corp., Continental Federal #1-L	24	32	1	1980s	660w	628666	3568186	S02
1359	Calco, Marathon State #1	24	32	2	1990n	1990w	627465	3568534	S02
1360	P.M. Drilling Company, Ohio State No. 1	24	32	2	1980n	660e	628256	3568578	S02
1361	Curtis Hankamer, Bondurant Federal No. 1	24	32	6	660n	1980e	621410	3568879	S02
1362	Gulf Oil Corporation, Federal Hanagan D #1	24	32	10	1980s	1980e	626270	3566547	S02
1363	Continental Oil Company, Wimberly #2	24	32	11	660n	660e	628277	3567376	S02
1364	Curtis Hankamer, Hanagan Federal No. 2	24	32	11	660s	1980e	627888	3566161	S02

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1365	Gulf Oil Corporation, Federal Hanagan D #3	24	32	11	1980s	660e	628286	3566567	S02
1366	Gulf Oil Corporation, Federal Hanagan D #2	24	32	11	1980s	1980e	627883	3566564	S02
1367	Curtis Hankamer, Gulf Hanagan #1	24	32	11	660s	660e	628290	3566165	S02
1368	Continental Oil Company, Wimberly #1	24	32	11	1980n	1980e	627879	3566968	S02
1369	Continental Oil Company, Wimberly 12 #1	24	32	12	660n	660e	629890	3567403	S02
1370	Continental Oil Company, Wimberly 12 #2	24	32	12	1980n	660e	629894	3567001	S02
1371	Curtis Hankamer, Hanagan Federal No. 3	24	32	12	1980n	660w	628683	3566980	S02
1372	Westates Petroleum Corp. of Texas, Woolley #1	24	32	13	660s	660e	629920	3564595	S02
1373	Continental Oil Company, Wimberly A #1	24	32	13	660n	1980e	629504	3565788	S02
1374	Tenneco Oil Company, #1 USA Jennings	24	32	14	660n	1980w	627485	3565756	S02
1375	Tenneco Oil Co., USA Jennings N.M. 033503 No. 2	24	32	14	882s	882w	627167	3564619	S02
1376	Tenneco Oil Company, Jennings Federal No. 4	24	32	14	1980s	1650w	627396	3564958	S02
1377	Tenneco Oil Co., USA Jennings N.M. 033503 Well #3	24	32	14	660n	1980e	627893	3565759	S02
1378	Gulf Oil Corporation, Federal Hanagan B #2	24	32	15	660s	720e	626680	3564542	S02
1379	Gulf Oil Corporation, Federal Hanagan B #3	24	32	15	1980s	660e	626692	3564944	S02
1380	Tenneco Oil Company, Hicks-Federal #1	24	32	15	660s	1980w	625891	3564528	S02
1381	Gulf Oil Corporation, Federal Hanagan B #1	24	32	15	660s	1980e	626296	3564535	S02
1382	Charles B. Read, Bradley #1	24	32	22	1980s	1980e	626314	3563327	S02
1383	Charles B. Read, Bradley #2	24	32	22	1980n	990e	626610	3563736	S02
1384	Tenneco Oil Company, U.S. Smelting U.S.A. #2	24	32	22	1980n	660w	625499	3563716	S02
1385	Tenneco Oil Company, U.S. Smelting U.S.A. Well #3	24	32	22	1980s	660e	626716	3563334	S02
1386	Tenneco Oil Company, U.S Smelting USA #4	24	32	22	2310n	1650e	626410	3563632	S02
1387	Tennessee Gas Transmission Co., US Smelting USA #1	24	32	22	660n	1980e	626303	3564133	S02
1388	Tenneco Oil Company, U.S. Smelting, USA No. 5	24	32	22	990s	330e	626822	3563034	S02
1389	Curtis Hankamer, Ernest Federal #1	24	32	23	1980n	660w	627113	3563740	S02
1390	Charles B. Read, Bradley #3	24	32	23	660n	660e	628315	3564151	S02
1391	Ralph E. Williamson, Wright Federal No. 1	24	32	27	660n	1980e	626325	3562523	S02
1392	Union Oil of California, Paduca Federal #1	24	32	30	1980n	1980e	621492	3562037	S02
1393	Texaco Incorporated, Cotton Draw Unit Well #72	24	32	33	660s	660e	625111	3559685	S02
1394	Texaco, Incorporated, Cotton Draw Unit #69	24	32	34	1980s	1980w	625921	3560101	S02
1395	Sid W. Richardson, Inc., Federal Delbasin #1	24	32	35	660s	660w	627128	3559719	S02
1396	Continental Oil Company, Bell Lake Unit #7	24	33	1	660n	660e	639500	3569137	S02
1397	Hondo Drilling Company, Gulf N.W. #2	24	33	6	1980s	660w	630282	3568214	S02

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1398	Hondo Drilling Company, Gulf State NW #1	24	33	6	660s	660w	630287	3567811	S02
1399	Tom L. Ingram, State O #2	24	33	7	1980n	660w	630296	3567007	S02
1400	Tom L. Ingram, State O #1	24	33	7	660n	660w	630292	3567409	S02
1401	Tom L. Ingram, State P #1	24	33	7	330n	1750w	630623	3567514	S02
1402	George W. Riley Incorporated, State #1-7	24	33	7	660s	660e	631493	3566226	S02
1403	David Fasken, Gulf State #7-2	24	33	7	2310n	2310w	630766	3566924	S02
1404	Sunray Mid-Continent Oil Co., N.M. State A.G. 1	24	33	8	660n	660w	631885	3567431	S02
1405	Byard Bennett, Holland #1	24	33	13	1980n	660e	639547	3565511	S02
1406	Tenneco Oil Company, State Lowe #1	24	33	17	660s	660w	631919	3564618	S02
1407	Robert B. Holt, Holly-State #1	24	33	17	660n	1980e	632705	3565838	S02
1408	Continental Oil Company, State BB 20 No. 1	24	33	20	660s	1980w	632342	3563011	S02
1409	F.R. Jackson, State #1	24	33	22	1980n	660w	635147	3563852	S02
1410	Tenneco Oil Company, Sunray State #1	24	33	27	1980s	1980w	635577	3561842	S02
1411	Tidewater Oil Company, State AP #1	24	33	29	660s	1980e	632768	3561407	S02
1412	Kirklin Drilling Co., Inc., Continental State #1	24	33	30	330n	330w	630241	3562685	S02
1413	Albert Gackle Operator, Continental State #1	24	33	31	1980s	660e	631571	3560187	S02
1414	Gulf Oil Corp. & Kirklin Drilling, #1 Lea St. GX	24	33	36	660n	660e	639611	3561087	S02
1425	J. Glen Bennett, Superior Federal #1-3	25	29	3	660n	660e	597554	3558965	S02
1427	Neil H. Wills, Superior Federal #1	25	29	8	660s	660e	594349	3556099	S02
1428	Mobil Oil Corporation, Corral Draw Unit #1	25	29	14	1980s	1980w	598391	3554915	S02
1429	J. Glen Bennett, Superior Federal 15 No.1	25	29	15	660s	660w	596376	3554490	S02
1430	Mobil Oil Corporation, Corral Draw Unit #2	25	29	22	1580s	1980w	596796	3553156	S02
1431	J. Glen Bennett, No. 1-26 Superior Federal	25	29	26	660s	660e	599258	3551288	S02
1432	J. Glen Bennett, Superior Federal 1-27	25	29	27	660s	660w	596422	3551254	S02
1433	Bell Petroleum Company, Federal #1	25	29	29	660n	1880w	593544	3552462	S02
1434	Bell Petroleum Company, Cities Service Federal #1	25	29	30	660s	760e	592762	3551233	S02
1436	Pat Oil Corporation, R & B Federal #1	25	30	4	1980n	1980w	604863	3558677	S02
1437	J.M.C. Ritchie & Chambers & Kennedy, #1 Hopp Fed.	25	30	4	660s	660w	604474	3557859	S02
1438	Fred Pool Drilling Company, Superior State #1	25	30	8	1980n	660e	604080	3557046	S02
1445	Bass Enterprises, Poker Lake #44	25	30	10	2030n	2180e	606882	3557077	S02
1448	J. Ray Stewart, Poker Lake #61	25	30	17	1980n	660w	602857	3555389	S02
1449	Jubilee Energy Corporation, Poker Lake Unit 64	25	30	17	330n	1650w	603154	3555900	S02
1450	J. Ray Stewart, 66 Poker Lake Unit	25	30	17	1980s	330w	602761	3554969	S02

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1451	Perry R. Bass, Jennings-Federal No. 1	25	30	18	660n	1980e	602049	3555780	S02
1453	Alamo Corporation, Poker Lake #12A-9	25	30	18	660s	1980e	602062	3554559	S02
1455	J.R. Stewart, Poker-Lake Unit No. 65	25	30	19	660n	660e	602469	3554161	S02
1456	Perry R. Bass, Continental-Federal #2	25	30	20	1980s	660w	602883	3553349	S02
1457	Perry R. Bass, Continental Federal #1	25	30	20	660n	660w	602871	3554167	S02
1459	Bass Enterprises Prod. Co., Poker Lake Unit No. 56	25	30	25	660s	660w	609395	3551430	S02
1460	Texaco Incorporated, Cotton Draw Unit No. 65	25	31	2	1980n	1980e	618242	3558792	S02
1461	Alamo Corporation, Poker Lake Unit 7-A-3	25	31	28	660n	660w	614250	3552707	S02
1463	Gold Metals & Santana Pet. Corp., #1 Del Basin Fed	25	31	35	660s	660w	617526	3549930	S02
1464	Texaco, Incorporated, Cotton Draw Unit No. 49	25	32	3	1650s	1980e	626334	3558401	S02
1465	Texaco Incorporated, E.F. Ray NCT-2 No. 1	25	32	9	330s	330e	625250	3556372	S02
1466	Texaco Incorporated, Cotton Draw Unit No. 52	25	32	9	1650s	330e	625242	3556774	S02
1467	Tennessee Gas & Oil Company, Ray U.S.A. #1	25	32	10	660n	660w	625529	3557682	S02
1468	Texaco Incorporated, Cotton Draw Unit No. 39	25	32	10	1980n	660w	625536	3557280	S02
1469	Texaco Incorporated, Cotton Draw Unit No. 40	25	32	10	660n	1980w	625931	3557689	S02
1470	Texaco Incorporated, Cotton Draw Unit #66	25	32	10	2080n	760w	625567	3557250	S02
1472	Texaco Incorporated, Cotton Draw Unit No. 60	25	32	10	2145n	2310e	626249	3557243	S02
1473	Texaco Incorporated, E.F. Ray Federal B No. 2	25	32	10	1980n	1980w	625938	3557287	S02
1474	Texaco Incorporated, E.F. Ray-Federal B Well #1	25	32	10	660s	1980e	626362	3556490	S02
1475	Texaco Incorporated, E.F. Ray Federal No. 1	25	32	10	660s	1980w	625952	3556484	S02
1476	Texaco Incorporated, E.F. Ray-Federal (NCT-1) No.2	25	32	10	1980s	1980w	625945	3556886	S02
1477	Tenneco Oil Company, Emily Flint Ray U.S.A. #41	25	32	10	1650s	660w	625544	3556779	S02
1478	Westates Petroleum Corp. of Texas, Cont. Fed. #1	25	32	11	660s	1980e	627980	3556512	S02
1479	Patoil Company, Union Federal #1	25	32	13	660s	1980w	629211	3554923	S02
1480	Joseph O'Neill Jr., Federal O #1	25	32	14	660s	660e	628406	3554910	S02
1481	Joseph O'Neill, Federal O #2	25	32	14	1980s	660e	628400	3555312	S02
1482	Hill & Meeker, Ora Hall-Federal 14 #1	25	32	14	2310n	330w	627074	3555596	S02
1483	Tennessee Gas Transmission, #1 USA G.E. Jordan	25	32	15	660s	660w	625562	3554872	S02
1484	Texaco Inc., G.E. Jordan Federal (NCT-2) Well No.1	25	32	15	1980n	660w	625557	3555673	S02
1485	Texaco Incorporated, G.E. Jordan Federal (NCT-1)#2	25	32	15	1980s	1980w	625962	3555283	S02
1486	Tennessee Gas & Oil Company, G.E. Jordan #3	25	32	15	660n	1980w	625956	3556081	S02
1487	Texaco Inc., G.E. Jordan Federal (NCT-1) No. 8	25	32	15	660n	1980e	626366	3556088	S02
1488	Texaco Inc., G.E. Jordan-Federal (NCT-2) No. 2	25	32	15	660n	660w	625554	3556020	S02

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1489	Tennessee Gas & Oil Company, G.E. Jordan USA #4	25	32	15	1980s	660w	625559	3555274	S02
1490	Texaco Inc., G.E Jordan Federal (NCT-1) #6	25	32	15	1980n	1980e	626369	3555686	S02
1491	Tennessee Gas Transmission Co., G.E. Jordan USA #2	25	32	15	1980n	1980w	625959	3555679	S02
1492	Texaco Incorporated, Cotton Draw Unit No. 46	25	32	15	2130s	2130e	626326	3555336	S02
1493	Tennessee Gas & Oil Company, State Monsanto #4	25	32	16	660s	1980w	624345	3554851	S02
1494	Tennessee Gas Trans. Co., State E.L. Bradley #1	25	32	16	1980n	660e	625155	3555666	S02
1495	Tenneco Oil Company, State Monsanto #6	25	32	16	1650s	2310w	624442	3555154	S02
1496	Tennessee Gas Transmission Co., State Monsanto #1	25	32	16	1980s	660e	625157	3555266	S02
1497	Tenneco Oil Company, State Monsanto #5	25	32	16	1650s	1650e	624856	3555161	S02
1499	Tennessee Gas & Oil Company, State Bradley #2	25	32	16	660n	660e	625152	3556069	S02
1500	Tenneco Oil Company, State Monsanto #7	25	32	16	330s	990w	624045	3554746	S02
1501	Tenneco Oil Company, State E.L. Bradley #3	25	32	16	2310n	2310w	624438	3555553	S02
1502	Continental Oil Company, State Z 16 #1	25	32	16	1980n	1980e	624752	3555659	S02
1503	Tennessee Gas & Oil Company, State Monsanto #3	25	32	16	660s	1980e	624758	3554858	S02
1504	Tennessee Gas & Oil Company, Monsanto #2	25	32	16	660s	660e	625156	3554871	S02
1505	Shoreline Exploration Comp., Continental State #1	25	32	16	2080n	1650e	624853	3555630	S02
1507	The Texas Company, Jack B. Shaw Federal #1	25	32	18	660n	1980e	621505	3556006	S02
1508	Texaco Inc.(formerly PRBass), Cotton Draw Unit #42	25	32	20	1650s	330e	623668	3553532	S02
1509	Texaco Incorporated, Cotton Draw Unit #57	25	32	21	990s	990e	625085	3553353	S02
1510	Panther City Investment Co., Perry Federal #37	25	32	21	660s	660w	623977	3553235	S02
1511	Panther City Investment Co., Perry Federal #35	25	32	21	1980s	660w	623968	3553637	S02
1512	Panther City Investment, Inc., Perry Federal No.6	25	32	21	1980n	1980w	624361	3554047	S02
1513	Panther City Invest. Inc., Perry Federal No. 7	25	32	21	660n	1980w	624352	3554449	S02
1514	Panther City Investment Co., Perry Federal #27	25	32	21	2310s	990e	625077	3553756	S02
1515	Panther City Investment Co., Perry Federal #28	25	32	21	1980s	1980e	624778	3553650	S02
1516	Tennessee Gas & Oil Company, #3 E.H. Perry-U.S.A.	25	32	21	1980n	1980e	624770	3554053	S02
1517	Panther City Investment Co., Perry Federal #38	25	32	21	660s	1980w	624379	3553242	S02
1519	Texaco Inc.(formerly Panther), Cotton Draw Unit 44	25	32	21	990s	2310e	624683	3553347	S02
1520	Tenneco Oil Company, E.H. Perry USA Well No. 36	25	32	21	1980n	660w	623959	3554040	S02
1521	Tennessee Gas & Oil Company, E.H. Perry U.S.A. 2	25	32	21	660n	660w	623950	3554443	S02
1522	Panther City Investment Company, Perry Federal #2	25	32	21	1980n	660e	625172	3554060	S02
1523	Tennessee Gas Transmission Co., E.H. Perry USA #1	25	32	21	660n	1980e	624763	3554455	S02
1524	Panther City Investment Company, Perry Federal #1	25	32	21	660n	660e	625165	3554462	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1525	Panther City Investment Company, Perry Federal #5	25	32	21	1980s	1980w	624370	3553644	S02
1526	Texaco Incorporated, G.E. Jordan Federal #3	25	32	22	1980n	660w	625575	3554067	S02
1527	Texaco Incorporated, G.E. Jordan Federal No. 1	25	32	22	660n	660w	625567	3554469	S02
1528	Texaco Incorporated, Cotton Draw Unit No. 48	25	32	22	2310s	330w	625480	3553762	S02
1529	Texaco Incorporated, G.E. Jordan Federal NCT-1 #5	25	32	22	510n	1830w	625923	3554523	S02
1530	Texaco, C.D. Unit No. 18	25	32	22	1650n	1650w	625874	3554174	S02
1531	Joseph L. O'Neill, Federal P #1	25	32	23	660n	1980e	628011	3554505	S02
1533	Texaco Incorporated, Cotton Draw Unit No. 61	25	32	27	330n	330w	625495	3552958	S02
1534	Texaco Incorporated, Cotton Draw Unit No. 47	25	32	28	660n	1980w	624386	3552839	S02
1535	Texaco Incorporated, Cotton Draw Unit No. 56	25	32	28	660n	990e	625095	3552851	S02
1536	Tenneco Oil Company, J.D. Sena U.S.A. No. 1	25	32	28	2310s	1650w	624293	3552131	S02
1537	Texaco Incorporated, Cotton Draw Unit No. 51	25	32	28	660n	2310e	624692	3552844	S02
1539	Texaco Incorporated, Cotton Draw Unit No. 45	25	32	28	660n	660w	623984	3552833	S02
1540	Texaco Incorporated, Cotton Draw Unit No. 59	25	32	28	1650n	990e	625101	3552549	S02
1541	Texaco Incorporated, Cotton Draw Unit No. 50	25	32	28	1980n	1980w	624390	3552437	S02
1542	Tenneco Oil Company, J.D. Sena Jr. U.S.A. No. 2	25	32	28	2310s	990w	624096	3552128	S02
1543	Texaco Incorporated, Cotton Draw Unit No. 58	25	32	29	1980n	330e	623686	3552426	S02
1544	I.W. Lovelady, Conoco Federal #1-29	25	32	29	990s	330e	623694	3551720	S02
1545	Ray Smith, Ray Smith #1	25	32	31	1980n	660w	620752	3550774	S02
1546	R.C. Graham, Conoco State No. 1	25	32	32	1980n	1980w	622778	3550805	S02
1547	Westates Petroleum Corp. of Texas, Jennings #1	25	32	33	1980s	560e	625260	3550438	S02
1548	Hill & Meeker, Hall-Federal 1-33	25	32	33	660s	660w	624010	3550016	S02
1549	Hill & Meeker, Jennings-Federal 1-33	25	32	33	2310n	2310w	624507	3550726	S02
1550	Perry R. Bass, Federal-Muse #1	25	33	1	660n	660w	638423	3559467	S02
1551	Hill & Meeker, Bass Federal #1	25	33	5	660n	660e	633197	3559402	S02
1552	Santana Petroleum Corp., Annie Bass Federal #1	25	33	8	1980s	660e	633227	3556991	S02
1553	Curtis Hankamer, Muse Federal #1	25	33	11	660n	660w	636831	3557839	S02
1554	Sam H. Jolliffe Jr., #1 Bass Federal	25	33	18	660n	660w	630415	3556152	S02
1555	Curtis Hankamer, Federal Bass #1	25	33	20	660n	1980e	632863	3554570	S02
1556	George L. Buckles Co., Federal Marshall No. 1	25	33	21	660n	660e	634863	3554588	S02
1557	American Quasar Petroleum Company, Vaca Draw #1	25	33	21	660s	660e	634880	3553385	S02
1558	Hill & Meeker, Muse-Federal 23 #1	25	33	23	660s	660w	636904	3553409	S02
1559	R.B. Farris, Perry Federal 1	25	33	24	660s	660w	638512	3553429	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
1560	King Resources, Pan American Federal No. 1	25	33	25	1980s	660w	638525	3552220	S02
1561	Ashmun & Hilliard, Federal No. 1-25	25	33	25	660s	660e	639739	3551833	S02
1562	Robert A. Dean, Harry Dickson #1	25	33	27	660s	660e	636518	3551795	S02
1563	Tidewater Oil Company, Annie R. Bass Federal #1	25	33	28	660s	660e	634905	3551775	S02
1564	Curtis Hankamer, Conley Federal #1	25	33	28	660n	660e	634886	3552982	S02
1565	Tenneco Oil Company, W.H. Jennings Inc USA No. 1	25	33	29	1980n	660w	632078	3552546	S02
1566	Tenn. Gas Transmission Co, Richardson & Bass USA#1	25	33	31	660s	660w	630505	3550124	S02
1567	Pure Oil Company, Red Hills Unit #1	25	33	32	330s	2310e	632822	3550048	S02
1568	Neil H. Wills, Continental State No. 1	25	33	32	1980s	660e	633319	3550556	S02
1569	Max M. Wilson, Marathon-State #1	25	33	36	660s	660w	638551	3550211	S02
1570	Ashmun Hilliard Oil Company, State #1-36	25	33	36	660n	660w	638534	3551415	S02
1628	Getty Oil Company Stock Unit #1	21	33	15	1980s	1980e	635565	3594017	S02
1629	Amoco Production Company State LT #1	21	33	32	1980s	1980w	631999	3589164	S02
1630	Department of Energy WIPP No. H-15	22	31	28	89n	175e	615315	3581859	S02
1631	Dual Production Co. Richardson-Bass State No. 1	22	33	5	660s	330e	632926	3587151	S02
1632	Getty Oil Company Getty Federal 15 No. 1	22	33	15	1980s	1980e	635662	3584376	S02
1633	Davis and Collins Conoco Federal #1	22	33	20	1980n	660w	631655	3583121	S02
1634	Exxon Company, USA Exxon Pouche Federal No. 1	24	29	11	1980n	660e	599069	3566665	S02
1635	Getty Oil Company HNG State 4-F #1	24	33	4	1980n	1650w	633779	3568662	S02
1636	Getty Oil Company Getty 28 State No. 1	24	33	28	1980s	1680e	634462	3561829	S02
1637	Duncan Drilling Company Slater A #1	25	29	31	1980s	660e	592796	3550003	S02
1638	Pauley Petroleum Poker Lake #46	25	31	5	660n	660w	612601	3559163	S02
1639	Helbing & Podpechan Shell State #1-B	22	33	32	660s	660w	631713	3579094	S02
1641	H-16	22	31	20	1113s	1241e	613369	3582212	S02
1642	H-17	23	31	3	1466s	993w	615718	3577513	S02
1643	H-18	22	31	20	964n	446w	612264	3583166	S02
3000	D-268						608702	3578877	S02
3001	Engle						614953	3567454	S02
3002	H-3b1						613729	3580895	S02
3003	H-8b						608683	3563556	S02
3004	H-10b						622975	3572473	S02
3005	H-11b4						615301	3579131	S02
3006	H-19b0						614514	3580718	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
3007	WIPP-28						611266	3594680	S02
3008	WQSP-1						612561	3583427	S02
3009	WQSP-2						613776	3583973	S02
3010	WQSP-3						614686	3583518	S02
3011	WQSP-4						614728	3580766	S02
3012	WQSP-5						613668	3580353	S02
3013	WQSP-6						612605	3580736	S02
5000	Hanagan No. 2 Unocal-HPC	22	31	1	1980n	990e	619803	3587752	S02
5002	Phillips Molly State No. 2	22	31	1	1980n	1980w	619099	3587745	S02
5004	Phillips Molly State No. 4	22	31	1	1980n	535w	618659	3587739	S02
5005	Pogo Federa 1 No. 1	22	31	1	2310s	1980w	619103	3587439	S02
5006	Pogo Federal 1 No. 3	22	31	1	2310s	990e	619807	3587442	S02
5007	Pogo 1 Federal No. 4	22	31	1	2310s	660w	618701	3587436	S02
5008	Pogo Federal 1 No. 5	22	31	1	990s	990w	618808	3587036	S02
5009	Pogo Federal 1 No. 6	22	31	1	900s	1880w	619079	3587011	S02
5010	Pogo Federal 1 No. 6	22	31	1	990s	2310e	619409	3587040	S02
5011	Yates Unocal "AHU" Federal No. 2	22	31	1	660n	660e	619899	3588153	S02
5012	Pogo Federal 1 No. 2	22	31	1	2310s	1980e	619505	3587441	S02
5014	Pogo State "2" No. 3	22	31	2	2310s	330e	618401	3587430	S02
5015	Yates Martha "AIK" Federal No. 1	22	31	11	330s	430e	618400	3585225	S02
5016	Yates Martha "AIK" Federal No. 2	22	31	11	1980s	330e	618424	3585726	S02
5019	Yates Martha "AIK" Federal No. 5	22	31	11	1980n	330e	618419	3586132	S02
5020	Yates Martha "AIK" Federal No. 6	22	31	11	660n	330e	618414	3586533	S02
5021	Pogo Federal 12 No. 2	22	31	12	1980s	660w	618725	3585731	S02
5022	Pogo Federal 12 No. 4	22	31	12	1980n	330w	618620	3586133	S02
5023	Pogo Federal 12 No. 5	22	31	12	660n	330w	618615	3586533	S02
5024	Pogo Federal 12 No. 6	22	31	12	2310s	1650w	619025	3585833	S02
5025	Pogo Federal 12 No. 7	22	31	12	1650n	1650w	619020	3586236	S02
5027	Pogo SCL Federal No. 2	22	31	12	1980n	1980e	619524	3586139	S02
5028	Pogo Federal 12 No. 3	22	31	12	330s	1980w	619133	3585233	S02
5029	Texaco Federal Neff "13" No. 2	22	31	13	1980n	660e	619946	3584536	S02
5030	Texaco Neff 13 No. 3	22	31	13	660s	1980e	619554	3583725	S02
5032	Texaco Federal Neff 13 No. 6	22	31	13	990n	330w	618636	3584829	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5033	Texaco Federal Neff 13 No. 7	22	31	13	2310n	330w	618641	3584429	S02
5034	Texaco Federal Neff 13 No. 8	22	31	13	1651s	330w	618646	3584015	S02
5035	Yates Dolores "AIL" Federal No. 3	22	31	14	1980n	430e	618406	3584527	S02
5036	Yates Dolores "AIL" Federal No. 2	22	31	14	1980s	430e	618412	3584110	S02
5037	Yates Dolores "AIL" Federal No. 1	22	31	14	660n	430e	618402	3584928	S02
5038	Pogo Federal 23 No. 1	22	31	23	660s	660e	618361	3582105	S02
5039	Pogo Federal "23" No. 2	22	31	23	1750s	660e	618358	3582436	S02
5040	Pogo Federal "23" No.3	22	31	23	2310n	660e	618355	3582810	S02
5041	Pogo Federal 23 No. 5	22	31	23	660n	510e	618396	3583312	S02
5042	Texaco Getty Federal 24 No. 4	22	31	24	1980s	1980w	619162	3582510	S02
5043	Texaco Getty Federal 24 No. 5 SWD	22	31	24	990n	1652w	619055	3583218	S02
5044	Texaco Getty Federal 24 No. 2	22	31	24	660s	660w	618763	3582105	S02
5045	Getty Federal #24-1	22	31	24	1980n	1980e	619561	3582924	S02
5046	Pogo Neff Federal No. 2	22	31	25	1650n	330w	618670	3581402	S02
5047	Pogo Federal Neff No. 1	22	31	25	660n	1980w	619169	3581708	S02
5048	Texaco Getty Federal 24 No. 3	22	31	24	660n	2310e	619457	3583322	S02
5049	Pogo Federal 26 No. 1	22	31	26	610n	510e	618411	3581719	S02
5050	Pogo Federal 26 No. 2	22	31	26	1980n	1980e	617968	3581303	S02
5051	Pogo Federal "26" No. 3	22	31	26	610n	2130w	617618	3581718	S02
5052	Pogo Federal 26 No. 4	22	31	26	600n	330w	617069	3581721	S02
5053	Pogo Federal 26 No. 5	22	31	26	330n	2230e	617886	3581802	S02
5054	Pogo Federal 26 No. 6	22	31	26	1980n	330w	617075	3581302	S02
5055	Pogo Federal 26 No. 7	22	31	26	1980n	1980w	617577	3581302	S02
5056	Yates David Ross "AIT" Federal No. 1	22	31	35	1980n	660e	618393	3579691	S02
5057	Union of CA Medano State Com. Well No. 1	22	31	36	1980s	1980w	619203	3579280	S02
5059	Bass Big Eddy Unit No. 44	21	30	16	1980n	660e	605369	3594089	S02
5060	Bass Big Eddy No. 45-Y	21	30	16	1980n	751e	605341	3594088	S02
5061	Phillips James "D" No. 1	21	30	26	660s	1980w	607822	3590087	S02
5062	Yates Kaleidoscope "AIO" Federal No. 1	21	30	33	1980n	660e	605413	3589260	S02
5063	Yates Julia "AJL" Federal No. 4	21	30	34	1980n	1980e	606624	3589273	S02
5064	Phillips Peak View No. 1	21	30	35	660s	330e	608743	3588482	S02
5065	Phillips James "C" No. 1	21	30	35	1980s	660w	607432	3588871	S02
5066	C. Grace Livingston Ridge No. 1-Y	21	30	36	1980s	990w	609138	3588885	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5068	Yates Mary "AIV" State No. 5	21	31	36	660n	330e	619980	3589761	S02
5069	Yates Mary "AIV" State No. 3	21	31	36	660n	1980e	619479	3589756	S02
5070	Yates Mary "AIV" State No. 1	21	31	36	1980n	1980e	619484	3589356	S02
5071	Yates Lost Tank "AIS" State No. 8	21	31	36	660s	660e	619895	3588554	S02
5072	Yates Lost Tank "AIS" State No. 6	21	31	36	1980s	1980e	619489	3588951	S02
5073	Yates Lost Tank "AIS" State No. 5	21	31	36	660s	660w	618687	3588541	S02
5075	Yates Lost Tank "AIS" State No. 3	21	31	36	660s	1980w	619089	3588545	S02
5076	Yates Lost Tank "AIS" State No. 2	21	31	36	660s	1980e	619494	3588550	S02
5079	Yates "AJA" Federal No. 7	21	31	24	660s	330e	619953	3591773	S02
5080	Yates Bonneville "AKK" Federal No. 2	21	31	24	660s	200e	620002	3591770	S02
5081	Yates Wolf "AJA" Federal No. 5	21	31	25	1980n	330e	619964	3590971	S02
5082	Yates Wolf "AJA" Federal No. 4	21	31	25	1980s	330e	619970	3590562	S02
5084	Yates Jasmine "AJI" Federal No. 1	22	30	1	660s	2310e	609767	3586879	S02
5085	Phillips Livingston Ridge No. 2	22	30	1	2240s	1200w	609201	3587358	S02
5086	Troporo Cabana No. 1	22	30	1	660s	700w	609056	3586871	S02
5087	Phillips Livingston Ridge No. 4	22	30	1	430n	860w	609085	3588153	S02
5088	Hanagan No. 1 Unocal-HPC	22	31	1	1650n	1980e	619500	3587848	S02
5089	Phillips Livingston Ridge No. 3	22	30	1	1450n	660w	609033	3587832	S02
5090	Phillips Livingston Ridge No. 6	22	30	1	1980s	1980w	609440	3587276	S02
5091	Yates Donell 3 Federal No. 1	22	30	3	1980n	1980e	606596	3587665	S02
5092	Phillips James "A" No. 12W	22	30	2	1250s	1150e	608493	3587045	S02
5093	Phillips James A No. 10	22	30	2	660s	2310w	607917	3586861	S02
5094	Phillips James A No. 9	22	30	2	660n	500e	608675	3588081	S02
5095	Phillips James A No. 8	22	30	2	1650n	660e	608631	3587779	S02
5096	Phillips James "A" No. 4	22	30	2	1980n	1980e	608231	3587677	S02
5097	Phillips James "A" No. 3	22	30	2	1980s	1980w	607808	3587261	S02
5098	Phillips James "A" No. 2	22	30	2	1652s	1980e	608237	3587164	S02
5099	Phillips James "A" No. 6	22	30	2	1980s	660e	608638	3587268	S02
5100	Phillips James A No. 7	22	30	2	500s	660e	608645	3586819	S02
5101	Phillips James "A" No. 5	22	30	2	660s	1800e	608297	3586864	S02
5102	Phillips James A No. 1	22	30	2	665s	2006e	608234	3586865	S02
5103	Mitchell Energy Apache "13" Federal No. 1	22	30	13	1330n	330e	610395	3584681	S02
5104	Phillips James E No. 15	22	30	12	1980s	995w	609155	3585663	S02

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5105	Phillips James "E" No. 14	22	30	12	1980n	1980w	609454	3586074	S02
5106	Phillips James "E" No. 13	22	30	12	1980n	660w	609051	3586070	S02
5107	Phillips James "E" No. 12	22	30	12	660n	1980w	609452	3586475	S02
5109	Phillips James "E" No. 11	22	30	12	660n	660w	609050	3586471	S02
5110	Bass James Ranch Unit No. 48	22	30	12	990s	330w	608957	3585358	S02
5111	Phillips James "E" No. 8	22	30	11	2247s	1558e	608376	3585737	S02
5112	Phillips James "E" No. 6	22	30	11	1980s	1980e	608250	3585655	S02
5113	Phillips James "E" Federal No. 5	22	30	11	1810n	330e	608748	3586120	S02
5114	Phillips James "E" Federal No. 4	22	30	11	760n	330e	608748	3586439	S02
5115	Phillips James "E" No. 2	22	30	11	535n	2080w	607852	3586497	S02
5116	Shell James Ranch No. 1	22	30	36	660s	2009e	609946	3578842	S02
5117	Enron James Ranch Unit No. 71	22	30	36	330n	660e	610341	3580168	S02
5118	Enron James Rand Unit No. 37	22	30	36	1980s	660e	610351	3579243	S02
5119	Enron James Ranch Unit No. 19	22	30	36	1980s	1980e	609949	3579242	S02
5120	Belco James Ranch No. 11	22	30	36	1980n	920w	609197	3579655	S02
5121	Enron James Ranch Unit No. 18	22	30	36	1980n	1100e	610212	3579635	S02
5122	Phillips James "E" No. 1	22	30	11	1980n	1980e	608247	3586061	S02
5123	Bass James Ranch Unit No. 29	22	30	36	1980s	2310w	609625	3579242	S02
5124	Mitchell Apache "25" Federal No. 1	22	30	25	1730n	660e	610329	3581349	S02
5125	Mitchell Apache "25" Federal Com. No. 2	22	30	25	660s	1310e	610141	3580463	S02
5126	Mitchell Apache "24" Federal No. 1	22	30	24	1200s	330e	610421	3582240	S02
5127	Belco (Bass?) Belco-James Ranch No. 10	23	30	1	1980n	660e	610295	3578082	S02
5128	Belco Hudson Federal No. 1	23	30	1	1830n	1980w	609535	3578086	S02
5129	Belco James Ranch Unit No. 3	23	30	1	1980s	1658e	610064	3577641	S02
5130	Texaco Forty-Niner Ridge Unit No. 3	23	30	16	2310n	1980w	604684	3574682	S02
5131	Phillips Sandy Unit No. 1	23	30	24	1980n	660w	609187	3573201	S02
5132	Devon Todd 13 'O' Federal No. 15	23	31	13	760s	2080e	619648	3574109	S02
5133	Max M. Wilson Bauerdorf-Federal No. 1	23	31	11	660s	330e	618543	3575668	S02
5134	Santa Fed North Pure Gold "9" No. 9	23	31	9	330s	1980e	614825	3575527	S02
5135	Santa Fe North Pure Gold "9" Federal No. 7	23	31	9	1980n	1980w	614413	3576432	S02
5136	Santa Fe North Pure Gold "9" Federal No. 4	23	31	9	1980n	660w	614009	3576428	S02
5137	Santa Fe North Pure Gold "9" Federal No. 5	23	31	9	1140n	990w	614106	3576685	S02
5138	Santa Fe North Pure Gold "9" Federal No. 2	23	31	9	660s	660w	614018	3575612	S02

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5139	Santa Fe North Pure Gold "9" Federal No. 1	23	31	9	330s	1980w	614422	3575519	S02
5140	Santa Fe Pure Gold "4" Federal No. 1	23	31	9	900n	1980w	614408	3576761	S02
5141	Santa Fe North Pure Gold "8" Federal No. 9	23	31	8	660s	860e	613556	3575611	S02
5142	Santa Fe North Pure Gold "8" Federal No. 6	23	31	8	1980s	2310e	613113	3576008	S02
5143	Santa Fe North Pure Gold "8" Federal No. 5	23	31	8	660s	2310e	613114	3575609	S02
5144	Santa Fe North Pure Gold "8" Federal No. 3	23	31	8	1780n	660e	613606	3576483	S02
5145	Santa Fe North Pure Gold "8" Federal No. 2	23	31	8	1980s	860e	613554	3576012	S02
5146	Santa Fe North Pure Gold "8" Federal No. 1	23	31	8	1980s	660e	613612	3576011	S02
5147	Belco James Ranch Unit 14	23	31	6	100s	1980w	611179	3577021	S02
5148	Belco James Ranch Unit No. 15	23	31	8	660s	100w	612240	3575607	S02
5149	Enron James Ranch Unit No. 17	23	31	6	2080n	1980w	611170	3577966	S02
5150	Bass James Ranch No. 13	23	31	6	1440n	860w	610826	3578156	S02
5151	Continental James Ranch Unit No. 7	23	31	6	1980n	1980e	611580	3578003	S02
5152	Bass James Ranch Unit No. 30	23	31	6	1980s	2310e	611483	3577597	S02
5153	Continental State AA-2 No. 1	23	31	2	660n	660e	618413	3578474	S02
5154	Union of CA Barclay Federal No. 1	23	31	1	660s	1980w	619233	3577280	S02
5155	Owens Union Federal No. 1	23	31	1	1980s	660w	618825	3577675	S02
5158	Maralo Prohibition Federal Unit No. 1	22	32	12	1980n	600w	628383	3586290	S02
5159	Pogo WBR Federal No. 1	22	32	13	1980n	990e	629528	3584694	S02
5160	Ray Smith B&H Federal No. 1	22	32	13	660s	660e	629640	3583889	S02
5161	Maralo Prohibition Federal Unit No. 4	22	32	14	2310n	1980e	627625	3584567	S02
5162	Meridian Red Tank Federal No. 4	22	32	14	1650s	2135w	627273	3584163	S02
5163	Meridian Red Tank Federal No. 1	22	32	14	330s	1980w	627240	3583751	S02
5164	Meridian Red Tank Federal No. 3	22	32	14	330s	990w	626939	3583745	S02
5165	Carper Red Tank Unit No. 2 (SWD?)	22	32	14	660s	1980w	627239	3583851	S02
5166	Meridian Red Tank Federal No. 5 (SWD?)	22	32	14	330s	2310e	627535	3583757	S02
5167	Superior No. 1 Connally Federal	22	32	15	1980s	1980e	626029	3584227	S02
5168	Strata Paisano Federal No. 3	22	32	15	990n	660w	625207	3584924	S02
5169	Strata Paisano Federal No. 2	22	32	15	2310n	1650w	625515	3584529	S02
5170	Strata Paisano Federal No. 1	22	32	15	1980n	460w	625151	3584622	S02
5171	Strata Lechuza Federal No. 5	22	32	15	1650s	330w	625120	3584111	S02
5173	Strata Lechuza Federal No. 3	22	32	15	660s	2310e	625935	3583825	S02
5174	Strata Lechuza Federal No. 2	22	32	15	1650s	1650w	625522	3584118	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5175	Strata Lechuza Federal No. 1	22	32	15	862s	458w	625163	3583872	S02
5176	Yates Kiwi "AKX" State No. 3	22	32	16	2310n	330e	624914	3584518	S02
5177	Yates Kiwi "AKX" State No. 2	22	32	16	1650s	330e	624921	3584107	S02
5179	Yates Kiwi "AKX" State No. 4	22	32	16	330s	1650e	624526	3583697	S02
5180	Yates Kiwi "AKX" State No. 5	22	32	16	1980s	1650e	624518	3584198	S02
5181	Yates Kiwi "AKX" State No. 6	22	32	16	660s	2310w	624122	3583791	S02
5182	Yates Kiwi "AKX" State No. 7	22	32	16	1980n	1980e	624411	3584611	S02
5183	Yates Kiwi "AKX" State No. 8	22	32	16	1980n	2310w	624110	3584605	S02
5184	Yates Kiwi "AKX" State No. 9	22	32	16	330n	330e	624905	3585117	S02
5185	Yates Cleary "AKC" Federal No. 1	22	32	17	1980s	1980e	622811	3584171	S02
5186	Yates Cleary "AKC" Federal No. 2	22	32	17	330n	330w	621891	3585072	S02
5188	Pogo Livingston Ridge Federal No. 1	22	32	18	660n	990e	621493	3584964	S02
5189	Pogo Livingston Ridge Federal No. 3 "ZAP"	22	32	18	480n	330w	620243	3584996	S02
5190	Pogo East Livingston Ridge Federal No. 3	22	32	18	2130n	1980e	621197	3584513	S02
5191	Zonne Federal No. 1	22	32	20	1980n	1980e	622826	3582969	S02
5192	Union of CA Federal Gilmore No. 1 (Cerc Fed 1 SWD)	22	32	21	1980s	660e	624840	3582589	S02
5193	Strat Cercion Federal No. 3	22	32	21	390n	1980e	624427	3583481	S02
5194	Strat Cercion Federal No. 1	22	32	21	1990n	660e	624834	3583003	S02
5195	Trigg Federal Red Tank No. 1-22	22	32	22	1980n	660w	625238	3583014	S02
5196	Strata Cercion Federal No. 4	22	32	22	1650n	1980w	625638	3583122	S02
5197	Strata Cercion Federal No. 2	22	32	22	330n	990w	625332	3583517	S02
5198	Meridian Checkerboard 23 Federal No. 6	22	32	23	879s	403w	626777	3582291	S02
5199	Pogo Red Tank 23 Federal No. 2	22	32	23	2110s	990e	627945	3582690	S02
5200	Meridian Checkerboard 23 No. 16	22	32	23	2310n	990e	627955	3582959	S02
5201	Meridian Checkerboard 23 Federal No. 13	22	32	23	1650n	990e	627943	3583164	S02
5202	Meridian Checkerboard 23 Federal No. 12	22	32	23	660n	990e	628064	3583571	S02
5203	Meridian Checkerboard 23 Federal No. 8	22	32	23	1980n	1980e	627640	3583060	S02
5204	Meridian Checkerboard 23 Federal No. 4	22	32	23	690n	1980w	627245	3583445	S02
5206	Meridian Checkerboard 23 Federal No. 5	22	32	23	2310s	990w	626952	3582729	S02
5208	Pogo Covington "A" Federal No. 2	22	32	25	330n	660w	628474	3581971	S02
5209	Pogo Covington "A" Federal No. 18	22	32	26	330n	1980e	627670	3581958	S02
5210	Pogo Red Tank "26" Federal No. 1	22	32	26	1880s	1880w	627244	3580997	S02
5211	Pogo Red Tank "26" Federal No. 2	22	32	26	330n	660w	626859	3581930	S02

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5212	Pogo Federal 27 No. 1	22	32	27	330s	2310w	625775	3580498	S02
5214	Pogo Exxon Federal 27 No. 3	22	32	27	1980s	660e	626471	3581032	S02
5216	Pogo Red Tank 28 Federal No. 3	22	32	28	330n	2310e	624348	3581879	S02
5217	Bass Perry Federal No. 1	22	32	31	660n	1980e	621255	3580118	S02
5218	Pogo Proximity 31 No. 4	22	32	31	660n	2085e	621223	3580118	S02
5219	Enron Silverton 31 Federal No. 1	22	32	31	660s	660w	620416	3578931	S02
5220	Yates Lotus "ALT" State No. 2	22	32	32	1980n	1980e	622870	3579740	S02
5221	Pogo Red Tank 34 Federal No. 3	22	32	34	760n	660e	626486	3580186	S02
5223	Pogo Red Tank 34 Federal No. 2	22	32	34	1980n	660e	626487	3579826	S02
5224	Pogo Red Tank 35 Federal No. 1	22	32	35	660n	330w	626785	3580224	S02
5226	Helbing & Podpechan Shell State No. 1-B	22	33	32	660s	660w	631697	3579088	S02
5227	CP Miller Humble State No. 1	22	33	34	660s	1980e	635722	3579132	S02
5228	Amoco Federal "BG" No. 1	22	33	35	1980n	1980w	636912	3579954	S02
5229	Yates pronghorn Unir No. 2	22	33	30	1980n	660e	631260	3581495	S02
5230	Mitchell Bighorn "30" State No. 2	22	33	30	2310n	1650w	630391	3581384	S02
5231	Yates Pronghorn "ACZ" Federal No. 1	22	33	29	1980s	660w	631667	3581090	S02
5232	Davis & Collins Conoco Federal No. 1	22	33	20	1980n	660w	631632	3583108	S02
5233	Santa Fe Bootleg Ridge 19 State No. 1	22	33	19	990n	990w	630150	3583394	S02
5234	Pogo State NBR No. 2	22	33	18	1980n	1864w	630395	3584703	S02
5235	Pogo State NBR No. 1	22	33	18	1980s	1980e	630808	3584303	S02
5236	Dual Hudson Federal No. 1	22	33	9	660n	660w	633181	3586737	S02
5237	Pogo EBR Federal No. 1	22	33	17	1980s	660w	631610	3584310	S02
5238	Meridian Dagger Lake "8" Federal No. 1	22	33	8	660n	1980w	631975	3586730	S02
5239	Superior SST State 7 No. 1	22	33	7	1980s	1980e	630781	3585910	S02
5240	Cabot State "K" No. 1	22	33	7	660s	660w	630017	3585501	S02
5241	Superior San Simone State Com No. 1	22	33	6	1980n	1980e	630768	3587922	S02
5242	Texas Pacific Reed Federal No. 1	22	33	4	2310s	800w	633226	3587635	S02
5243	Dual Richardson & Bass State No. 1	22	33	5	660s	330e	632885	3587130	S02
5244	Meridian Dagger Lake State No. 1	22	33	5	330s	1980e	632383	3587027	S02
5245	Yates Saffron Unit No. 1	23	32	2	2310n	1650e	627817	3578130	S02
5246	OB Kiel, Jr. Federal No. 1	23	32	3	1980n	660e	626519	3578205	S02
5247	Strata Aracanga Federal No. 1	23	32	4	330s	2310e	624432	3577290	S02
5248	Santa Fe Platinum 6 Federal No. 1	23	32	6	660s	1980w	620834	3577295	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5249	JH Trigg Federal "WL" No. 5	23	32	7	510n	660e	621705	3576957	S02
5250	McBee Continental Federal No. 1	23	32	9	660s	1980e	624530	3575758	S02
5251	Strata Aracanga Federal No. 2	23	32	9	1650s	1650e	624645	3576070	S02
5252	Exxon Central SW Oil Corp Federal No. 1	23	32	11	1680n	660w	626941	3576696	S02
5253	Superior Triste Draw Gulf Federal No. 1	23	32	11	660s	1980w	627353	3575812	S02
5254	Strata Urraca Federal No. 2	23	32	11	560s	660w	626952	3575774	S02
5255	Yates Amanda "AMN" Federal No. 1	23	32	11	2310n	1650w	627236	3576530	S02
5256	Superior Triste Draw Federal No. 1	23	32	14	1980s	1980e	627760	3574609	S02
5257	Yates Jackal "ANJ" Federal No. 7	23	33	4	2310n	330w	633220	3578202	S02
5258	Cabeen Continental Federal No. 1-P	23	33	4	660s	660e	634531	3577509	S02
5259	WA & ER Hudson Shell Federal No. 1	23	33	6	330s	330e	631428	3577373	S02
5260	Yates Pronghorn Unit No. 1	23	33	6	1980n	1980e	630908	3578274	S02
5261	Hudson Federal No. 1	23	33	7	660s	660w	630163	3575845	S02
5262	Yates Pronghorn AAP Federal No. 1	23	33	8	330s	330w	631646	3575769	S02
5263	Amoco State "IK" No. 1	23	33	10	660n	1980w	635341	3577121	S02
5264	Belco Federal HM No. 1	21	32	12	1980s	660w	628363	3595511	S02
5265	Getty State Com No. 1	21	32	32	1980n	1980e	622736	3589407	S02
5266	Texaco Bilbrey Federal Com No. 1	21	32	33	660n	1980w	623934	3589829	S02
5267	Texaco Bilbrey Federal No. 2	21	32	33	1980s	2310w	624047	3589018	S02
5268	Phillips Bilbrey Federal No. 1	21	32	34	660s	1980w	625557	3588645	S02
5269	Maralo Bilbrey Federal No. 1	21	32	34	660n	1980w	625541	3589861	S02
5270	Gulf Chaney Federal No. 1	21	32	35	1980n	1980w	627153	3589493	S02
5271	Manzano Anderson No. 1	21	32	35	1980s	330w	626657	3589071	S02
5272	Phillips Luke Federal No. 2	21	32	31	660n	660w	620281	3589766	S02
5273	Pogo Federal No. 1	21	32	31	2310s	660e	621533	3589079	S02
5274	Collins & Ware BW Federal No. 1	21	32	31	330s	330w	620198	3588456	S02
5275	Phillips Luke Federal No. 1	21	32	31	1980n	660w	620286	3589366	S02
5276	AEC No. 7	21	32	31	2040n	2040e	621126	3589381	S02
5277	Getty Bilbrey Federal Com No. 1	21	32	29	1980s	1980w	622313	3590598	S02
5278	Santa Fe Bilbrey Federal No. 1	21	32	28	1980n	660e	624724	3591056	S02
5279	Santa Fe Bilbrey Federal No. 1-A	21	32	27	1980n	1980w	625528	3591069	S02
5280	Santa Fe Bilbrey Federal No. 1-A	21	32	28	1980s	1980w	623925	3590627	S02
5301	WC Blanks Big Eddy Unit No. 67	21	30	15	1980s	990w	605874	3593689	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5302	Yates Cabin Lake 34 Federal No. 1	21	30	34	330s	990e	606936	3588368	S02
5303	C Grace Salomeh No. 1	21	30	36	330s	330w	608943	3588383	S02
5304	Maralo MR "25" Federal No. 1	21	31	25	660s	790e	619836	3590160	S02
5305	Pogo Federal No. 1	21	31	26	1980n	1980w	617463	3590937	S02
5306	Union Federal FI No. 1	21	31	35	660n	660w	617069	3589719	S02
5307	Yates Lost Tank "AIS" State No. 1	21	31	36	1980s	660e	619890	3588955	S02
5308	Yates Lost Tank "AIS" State No. 4	21	31	36	1980s	1980w	619085	3588947	S02
5309	Belco Federal "HM" No. 13-1	21	32	13	990n	1980w	628734	3594644	S02
5310	Collins & Ware N.L. Federal No. 2	21	32	18	660s	1980e	621077	3593403	S02
5311	Getty North Bilbrey 18 Federal No. 1	21	32	18	1980n	1980e	621065	3594212	S02
5312	Skelly Salt Lake South Unit No. 1	21	32	21	660n	660w	623492	3593041	S02
5313	Santa Fe Bilbrey "21" Federal Com. No. 1	21	32	21	660s	1980e	624313	3591846	S02
5314	Santa Fe Bilbrey "22" Federal Com. No. 1	21	32	22	660s	2310e	625813	3591871	S02
5315	Collins & Ware Lincoln Federal No. 1	21	32	26	1980s	660w	626733	3590686	S02
5316	Santa Fe Bilbrey 27 Federal Com. No. 1	21	32	27	1980s	990w	625231	3590653	S02
5317	Texaco Bilbrey 32 State Com. No. 1	21	32	32	1980n	1980w	622329	3589399	S02
5318	Bass Big Eddy Unit No. 90	22	29	4	1980s	2240w	594976	3587204	S02
5319	Hudson Federal No. 1	22	29	6	660s	660e	592503	3586799	S02
5320	Bass Big Eddy Unit 96	22	29	16	1980s	660w	594515	3583963	S02
5321	Bass Big Eddy Unit No. 88	22	29	18	1980s	660w	591326	3583982	S02
5322	Phillips James E Federal No. 9	22	30	11	1060s	10e	608846	3585347	S02
5323	Bass James Ranch Unit No. 70	22	30	12	660s	1980e	609898	3585308	S02
5324	Richardson & Bass Federal Legg No. 1	22	30	27	660n	2003e	606654	3581642	S02
5325	Bass James Ranch Unit No. 41	22	30	36	660s	2310w	609630	3578842	S02
5326	Phillips Molly State No. 1	22	31	1	660n	1980w	619093	3588146	S02
5327	Phillips Molly State No. 3	22	31	1	660n	660w	618691	3588141	S02
5328	Yates Unocal "AHU" Federal No. 1	22	31	1	660n	1980e	619497	3588148	S02
5329	Yates Flora "AKF" State No. 1	22	31	2	660s	2310w	617609	3586912	S02
5330	Yates Graham "AKB" State No. 2	22	31	2	1980n	330e	618397	3587738	S02
5331	Yates Graham "AKB" State No. 1	22	31	2	660n	330e	618391	3588138	S02
5332	Yates Flora "AKF" State No. 2	22	31	2	1980s	2310w	617596	3587306	S02
5333	Pogo State 2 No. 2	22	31	2	660s	2310e	617796	3586957	S02
5334	Pogo State 2 No. 1	22	31	2	330s	330e	618410	3586830	S02

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5335	Bryon McKnight & Troporo Campana No. 1	22	31	6	1980n	660w	610665	3587634	S02
5336	Yates Llana "ALL" Federal No. 1	22	31	7	330s	950w	610779	3585127	S02
5337	Yates Martha "AIK" Federal No. 3	22	31	11	660s	1650e	618027	3585316	S02
5338	Yates Martha "AIK" Federal No. 4	22	31	11	1980s	1650e	618023	3585716	S02
5339	Pogo Federal 12 No. 8	22	31	12	330n	1650w	619015	3586637	S02
5340	Texaco Federal Neff 13 No. 5	22	31	13	1980n	1980w	619142	3584532	S02
5341	Pogo Neff 13 No. 1	22	31	13	1980s	1980e	619549	3584126	S02
5342	Clayton W. Williams Badger Unit Federal No. 1	22	31	15	1980s	1980w	615942	3584086	S02
5343	Texas Crude Wright Federal 23 No. 1	22	31	23	330s	330e	618462	3582004	S02
5344	Pogo Neff Federal No. 3	22	31	25	430n	760w	618796	3581775	S02
5345	Siete Ottawa State No. 1	22	32	3	1980s	1980w	625572	3587439	S02
5346	Santa Fe Trumpeter 4 State No. 1	22	32	4	660s	1980e	624373	3587016	S02
5347	Getty Bilbrey Federal Com. No. 1	22	32	4	660n	1980w	623956	3588219	S02
5348	Getty Bilbrey Federal No. 1	22	32	5	660n	1580e	622751	3588199	S02
5349	Yates Rosemary "AJB" Federal No. 1	22	32	6	1980s	660w	620311	3587347	S02
5350	Pogo Federal 6 No. 1	22	32	6	800n	330w	620202	3588117	S02
5351	Amoco Federal "CK" Com. No. 1	22	32	6	1980n	660e	621549	3587781	S02
5352	Strata Flamenco Federal No. 1	22	32	7	1650s	660w	620334	3585641	S02
5353	Santa Fe White Swam "9" Federal No. 1	22	32	9	330s	330e	624911	3585337	S02
5354	Santa Fe White Swam "9" Federal No. 4	22	32	9	1980n	660e	624791	3586216	S02
5355	Maralo Wild Turkey "9" state No. 1	22	32	9	1980s	990e	624693	3585814	S02
5356	Maralo Wild Turkey "10" state No. 1	22	32	10	1980s	330w	625109	3585844	S02
5357	WTI Barr None Federal No. 1	22	32	10	1980n	660w	625188	3586233	S02
5358	Phillips Emerald Federal No. 1	22	32	10	660s	660w	625212	3585443	S02
5359	Maralo Prohibition Federal No. 2	22	32	11	1980s	2080w	627241	3585860	S02
5360	Maralo Prohibition Federal Unit No. 6	22	32	14	2310n	990e	627927	3584569	S02
5361	Meridian Redchecker 14 No. 2	22	32	14	1650s	990e	627932	3584165	S02
5362	Meridian Redchecker 14 No. 1	22	32	14	330s	990e	627937	3583764	S02
5363	Meridian Prohibition Federal No. 5	22	32	14	2310n	2155w	627277	3584565	S02
5364	Meridian Red Tank Federal No. 6	22	32	14	1650s	1980w	627226	3584163	S02
5365	Strata Lechuza Federal No. 4	22	32	15	660s	1650w	625527	3583817	S02
5366	Yates Kiwi "AKX" State No. 1	22	32	16	330s	330e	624928	3583706	S02
5367	John H. Trigg Federal Jennings No. 1	22	32	18	660s	660e	621608	3583756	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5368	Ralph Lowe Bass Federal No. 1	22	32	19	660s	660e	621624	3582136	S02
5369	Strata Cercion Federal No. 5	22	32	21	330n	330e	624928	3583509	S02
5370	Pogo Prize Federal No. 13	22	32	22	1980s	330e	626550	3582621	S02
5371	Pogo Prize Federal No. 10	22	32	22	660s	330e	626554	3582221	S02
5372	Meridian Checkerboard 23 Federal No. 11	22	32	23	660n	1980e	627638	3583461	S02
5373	Meridian Checkerboard 23 Federal No. 3	22	32	23	2310n	2295w	627347	3582955	S02
5374	Meridian Checkerboard 23 Federal No. 2	22	32	23	330s	1650e	627748	3582147	S02
5375	Meridian Checkerboard 23 Federal No. 1	22	32	23	1980s	1980e	627659	3582662	S02
5376	Meridian Checkerboard 23 Federal No. 9	22	32	23	990s	2310w	627358	3582337	S02
5377	Meridian Checkerboard 23 Federal No. 7	22	32	23	1650s	1980w	627254	3582537	S02
5378	Meridian Checkerboard 23 Federal No. 10	22	32	23	1980n	990w	626948	3583047	S02
5380	Pogo Covington "A" Federal No. 8	22	32	25	330s	660w	628479	3580546	S02
5381	Pogo Covington "A" Federal No. 9	22	32	25	480s	1980w	628879	3580597	S02
5382	Pogo Covington "A" Federal No. 1	22	32	25	660n	1980w	628857	3581863	S02
5383	Pogo Red Tank "26" Federal No. 3	22	32	26	1980n	330w	626766	3581427	S02
5384	Pogo Red Tank "26" Federal No. 4	22	32	26	2310s	330w	626770	3581121	S02
5385	Pogo Prize Federal No. 4	22	32	27	1880n	760e	626436	3581451	S02
5386	Pogo Prize Federal No. 5	22	32	27	660n	660e	626460	3581822	S02
5387	Pogo Exxon Federal 27-2	22	32	27	660s	660e	626479	3580613	S02
5389	Pogo Red Tank "28" Federal No. 1	22	32	28	330n	330e	624951	3581892	S02
5390	Pogo Red Tank "34" Federal No. 14	22	32	34	710n	2310w	625781	3580185	S02
5391	Pogo Red Tank "34" Federal No. 4	22	32	34	1980n	1980e	626090	3579807	S02
5392	Pogo Red Tank "34" Federal No. 1	22	32	34	660n	1650e	626184	3580210	S02
5393	Pogo Red Tank "35" Federal No. 3 SWD	22	32	35	2310s	990w	626990	3579521	S02
5394	Shell Bootleg Ridge Unit No. 1	22	32	36	330n	1980w	628883	3580354	S02
5395	Meridian Mule Deer 36 State No. 1	22	32	36	330n	1980e	629285	3580357	S02
5396	Meridian Mule Deer 36 State No. 2	22	32	36	1980n	2310e	629188	3579853	S02
5397	Meridian Mule Deer 36 State No. 4	22	32	36	660n	860e	629627	3580258	S02
5398	Meridian Dagger Lake 8 Fed No. 2	22	33	8	330n	2310e	632276	3586832	S02
5399	Getty Federal 15 No. 1	22	33	15	1980s	1980e	635635	3584356	S02
5400	Getty Federal 15 Com "B" No. 1	22	33	15	660n	1980w	635228	3585159	S02
5401	Collins & Ware White Lightning Federal No. 1	22	33	19	1980s	660e	631239	3582694	S02
5402	R.B. Farris Phillips State No. 1	22	33	33	660n	660e	634496	3580330	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
5501	Pogo Lost Tank 4 Fed. No. 7	22	31	4	1330n	660e	615093	3587878	S02
5502	Pogo Lost Tank 4 Fed. No. 6	22	31	4	1650n	1650e	614789	3587777	S02
5503	Pogo Lost Tank 4 Fed. No. 5	22	31	4	1650n	2310w	614378	3587774	S02
5504	Pogo Lost Tank 4 Fed. No. 3	22	31	4	330n	330e	615183	3588190	S02
5505	Pogo Lost Tank 4 Fed. No. 2	22	31	4	330n	1650e	614786	3588188	S02
5506	Pogo Lost Tank 4 Fed. No. 1	22	31	4	330n	2310w	614383	3588201	S02
5507	Pogo Lost Tank 3 Fed. No. 6	22	31	3	330n	430e	616767	3588231	S02
5508	Pogo Lost Tank 3 Fed. No. 1	22	31	3	330n	660w	615480	3588208	S02
5509	Pogo Lost Tank 3 Fed. No. 5	22	31	3	1950n	1300e	616511	3587711	S02
5510	Pogo Lost Tank 3 Fed. No. 4	22	31	3	1330n	480w	615428	3587872	S02
5511	Pogo Lost Tank 3 Fed. No. 2	22	31	3	300n	1650w	615784	3588202	S02
6122	IMC #343	22	30	9	1485s	650w	604170	3585500	S02
6144	Duval #29	23	29	1	2763s	2964e	599825	3577780	S02
6145	IMC I-184	23	29	1	528s	528w	599300	3577130	S02
6146	IMC I-263	23	29	1	1320n	1320e	600350	3578170	S02
6147	Arco #9	23	29	4	1255n	1374e	595500	3578180	S02
6148	Shell Oil Company #17 (Dogtown #)	23	29	12	2600n	700e	600550	3576200	S02
6149	Shell Oil Company #21 (Dogtown #15)	23	29	13	2100n	300e	600700	3574700	S02
6151	Duval #14	23	29	15	1160n	3276e	596540	3575000	S02
6155	Laguna Grande #2	23	29	27	660s	1980w	596600	3570670	S02
6156	#1 Laguna Grande Unit	23	29	28	1380s	990e	595680	3570850	S02
6157	A-29	23	29	35	1900s	100e	599200	3569430	S02
6158	A-31	23	29	36	1800s	1200e	600500	3569420	S02
6161	Duval #1	23	30	2	101s	1169w	607670	3577075	S02
6162	Duval D-31	23	30	2	143n	112w	607330	3578600	S02
6163	Duval D-179	23	30	2	2655n	2655e	608675	3577840	S02
6164	Shell Oil Company #6 (Dogtown #1)	23	30	17	2505n	317w	602450	3574600	S02
6165	Duval #10	23	30	19	2244n	2096e	601815	3573060	S02
6168	Duval #4	23	30	28	175s	232w	604185	3570620	S02
6169	Shell Oil Company #7 (Dogtown #2)	23	30	29	261n	261e	604025	3572085	S02
6170	Shell Oil Company #20 (Dogtown #14)	23	30	30	215n	2300w	601540	3572075	S02
6171	Arco #24	23	30	31	2640n	1750e	600995	3569715	S02
6172	Shell Oil Company #23 (Dogtown #17)	23	30	32	1411n	2510e	603370	3570110	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
6173	Leonard #1-S	23	30	36	2150n	3090w	609960	3570020	S02
6177	Bun #1	24	29	19	480n	330w	591330	3563820	S02
6179	Ellis Federal 1-X	24	29	29	1980s	660w	593075	3561330	S02
6180	Shell Oil Company #16 (Dogtown #11)	24	30	2	200s	200w	607500	3567420	S02
6181	Shell Oil Company #11 (Dogtown #6)	24	30	5	1147n	406e	604075	3568580	S02
6182	Arco #8	24	30	6	1990n	2185w	601540	3568290	S02
6183	Shell Oil Company #8 (Dogtown #3)	24	30	9	2001n	2001e	605220	3566730	S02
6184	Shell Oil Company #12 (Dogtown #)	24	30	11	316s	390w	607615	3565780	S02
6185	Shell Oil Company #13 (Dogtown #)	24	30	15	200n	200w	605880	3565660	S02
6186	Shell Oil Company #24 (Dogtown #18)	24	30	16	150n	2590e	605040	3565680	S02
6188	Southern Production Company core test #6	24	30	20	100n	1320w	602925	3564040	S02
6189	Shugart Federal 23 #1	24	30	23	660s	660w	607700	3562740	S02
6190	Shell Oil Company #9 (Dogtown #4)	24	30	23	1606n	2294e	608415	3563670	S02
6192	Shell Oil Company #10 (Dogtown #)	24	30	27	336n	270e	607425	3562425	S02
6198	USGS potash core test #13	24	31	5	330n	330e	613800	3568860	S02
6199	Shell Oil Company #15	24	31	6	1098n	2193e	611580	3568630	S02
6202	Shell Oil Company #4 (Federal G-NM #4)	24	31	11	2531n	178e	618710	3566685	S02
6204	1-13 Federal	24	31	13	1980s	1980e	619780	3564825	S02
6210	Poker Lake Unit #43	24	31	21	660s	660w	614200	3562750	S02
6213	Ramsey #1	24	31	33	2310n	2313e	614900	3560250	S02
6215	Poker Lake Unit #2	25	30	1	660n	660e	610575	3559160	S02
6217	Dog Town #2	25	31	2	100n	1500w	617700	3559350	S02
6219	Pauley & Harrison #2	25	31	10	1980n	1980e	616635	3557160	S02
6220	Pauley & Harrison #1	25	31	12	660n	660w	619075	3557590	S02
6221	Pauley & Harrison PH-1	25	31	15	780n	1230w	616000	3555915	S02
6479	Federal Hanagan D-4	24	32	11	1980n	1980w	627500	3566040	S02
6487	Exxon A Federal No. 2	24	32	23	1650n	330w	627020	3563825	S02
6488	Bon Durant Federal No. 1	24	32	24	330n	330w	628650	3564150	S02
6489	Federal "BM" #1	24	32	25	1980n	1980w	629160	3562160	S02
6490	#1 Payne	24	32	29	1980n	660w	622280	3562010	S02
6494	Cotton Draw Unit #74	24	32	34	660s	1980w	625990	3559680	S02
6577	Poker Lake State #3	25	30	8	1980s	660w	602860	3556530	S02
6584	Poker Lake #44	25	30	10	2030n	2180e	606880	3557000	S02

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
6585	Shugart Federal No. 1	25	30	12	1980n	1980w	609770	3557125	S02
6589	Poker Lake Unit #11A-7	25	30	17	660s	660w	602860	3554200	S02
6600	Marshall Federal #1	25	30	35	1980n	660e	609010	3550590	S02
6601	Richardson & Bass Federal No. 1	25	30	35	660s	660w	607860	3549750	S02
6606	Big Sinks Federal Unit #1	25	31	35	660n	1980e	618325	3551160	S02
6705	J.D. Sena Jr.	25	32	28	2310s	990w	624070	3552135	S02
6706	J.D. Sena U.S.A. No. 1	25	32	28	2310s	1650w	624270	3552135	S02
6707	Cotton Draw Unit No. 58	25	32	29	1980n	330e	623670	3552425	S02
6708	Cotton Draw Unit No. 55	25	32	29	330n	330e	623670	3552925	S02
6714	Sunshine Royalties #1	25	32	34	660n	660e	626850	3551250	S02
6715	Federal Sunshine Royalty #1	25	32	34	660n	660w	625610	3551250	S02
9201	WRIGHT-FEDERAL #1	23	31	27	1980s	660e	615691	3571224	W03
9202	WRIGHT FEDERAL #3	23	31	33	660n	1980e	614897	3570411	W03
9203	SOTOL "A" FEDERAL WD#1	24	31	12	1980n	1980w	619358	3566830	W03
9204	STEWART MM FEDERAL #1	24	31	4	660n	660e	615323	3568810	W03
9205	TODD FEDERAL "26" WD#3	23	31	26	1980n	1980w	617700	3571646	W03
9206	TODD-FEDERAL #1	23	31	23	660s	1650e	618189	3572454	W03
9207	TODD FEDERAL "26" #5	23	31	26	2310s	1980e	618103	3571354	W03
9208	FORTY NINER RIDGE UNIT #2	23	30	21	1980n	1980e	605129	3573163	W03
9209	CABIN BABY FEDERAL #1	23	31	5	1980n	1980e	613199	3578048	W03
9210	TODD FEDERAL "26" #6	23	31	26	660n	990e	618395	3572053	W03
9211	SUNDANCE "1" FEDERAL #1	24	31	1	1980n	1945w	619335	3568455	W03
9212	TODD FEDERAL "26" #7	23	31	26	990s	1980e	618108	3570952	W03
9213	NASH UNIT #2	23	30	18	1350n	1980w	601408	3574948	W03
9214	NASH UNIT #6	23	30	18	1980n	330w	600908	3574754	W03
9215	TODD-FEDERAL #2	23	31	23	1980s	1650e	618183	3572856	W03
9216	JONES RANCH "3" #1	24	31	3	660s	660w	615758	3567596	W03
9217	NASH UNIT #7	23	30	18	685n	1295w	601197	3575150	W03
9218	PURE GOLD "A" FEDERAL #1	23	31	21	800s	1980w	614476	3572461	W03
9219	POKER LAKE "32" STATE #1	23	31	32	660n	1980e	613288	3570393	W03
9220	PURE GOLD "B" FEDERAL #1	23	31	20	660s	1980e	613270	3572400	W03
9221	SOTOL FEDERAL COM #2	24	31	1	1980s	1980w	619347	3568037	W03
9222	PURE GOLD "C" FEDERAL #1	23	31	17	660s	1980w	612844	3574013	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9223	JAMES RANCH UNIT #13	23	31	6	1440n	1980e	610835	3578169	W03
9224	PURE GOLD "D" FEDERAL #1	23	31	28	1980n	660w	614082	3571609	W03
9225	JAMES RANCH UNIT #14	23	31	6	100s	1980w	611190	3577044	W03
9226	JAMES RANCH UNIT #15	23	31	8	660s	100w	612250	3575626	W03
9227	CAL-MON #2	23	31	35	1980n	1980w	617718	3570042	W03
9228	FEDERAL "24" #1	23	31	24	1980n	467w	618822	3573278	W03
9229	CAL-MON #3	23	31	35	1980n	2180w	617779	3570043	W03
9230	FEDERAL "24" #3	23	31	24	990n	990w	618973	3573580	W03
9231	FEDERAL "24" #2	23	31	24	2310s	330w	618785	3572962	W03
9232	BARCLAY "11" FEDERAL #1	23	31	11	2180n	660e	618447	3576423	W03
9233	FORTY-NINER RIDGE UNIT #3	23	30	16	2310n	1980w	604684	3574698	W03
9234	BARCLAY STATE #1	23	31	2	1980s	660e	618431	3577691	W03
9235	FEDERALL "44" #1	23	31	34	660s	660e	616922	3569226	W03
9236	TRIPLE S "33" FED #1	23	31	33	1980n	2310e	614802	3570008	W03
9237	CAL-MON #5	23	31	35	1980n	1980e	618121	3570047	W03
9238	STERLING SILVER "33" FEDERAL #2	23	31	33	1980n	1980e	614902	3570009	W03
9239	LOTOS FEDERAL #1	24	31	9	1980s	1980e	614966	3566383	W03
9240	PURE GOLD "C-17" FEDERAL #2	23	31	17	1980n	2310e	613136	3574826	W03
9241	POKER LAKE UNIT #71	23	30	33	660n	1980w	604738	3570343	W03
9242	SAND DUNES "28" FEDERAL #1	23	31	28	1980s	1980e	614887	3571216	W03
9243	NORTH PURE GOLD "8" #1	23	31	8	1980s	660e	613622	3576035	W03
9244	MEDANO "VA" STATE #2	23	31	16	1980n	660w	614041	3574831	W03
9245	MEDANO "VA" STATE #3	23	31	16	2310n	1650w	614344	3574734	W03
9246	LOTOS "B" FEDERAL #1	24	31	10	1980s	1980w	616173	3566397	W03
9247	MEDANO "VA" STATE #4	23	31	16	1980s	330w	613946	3574427	W03
9248	CAL-MON #6	23	31	35	330n	380w	617224	3570540	W03
9249	TODD-FEDERAL #4	23	31	23	1800s	900e	618412	3572803	W03
9250	PURE GOLD "D" FEDERAL #2	23	31	28	330n	330w	613980	3572111	W03
9251	PAULINE "ALB" STATE #1	23	31	32	1980s	660e	613700	3569590	W03
9252	PAULINE "ALB" STATE #2	23	31	32	660s	660e	613705	3569188	W03
9253	PAULINE "ALB" STATE #3	23	31	32	660s	1980e	613220	3569184	W03
9254	PAULINE "ALB" STATE #4	23	31	32	1980s	1980w	612891	3569583	W03
9255	PAULINE "ALB" STATE #5	23	31	32	660s	1980w	612897	3569181	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9256	MEDANO "VA" STATE #5	23	31	16	660s	330w	613951	3574024	W03
9257	MEDANO "VA" STATE #6	23	31	16	330s	1980w	614455	3573928	W03
9258	CAL-MON #7	23	31	35	330n	1650w	617611	3570544	W03
9259	POKER LAKE "32" STATE #2	23	31	32	1980n	1980e	613293	3569991	W03
9260	POKER LAKE "32" STATE #3	23	31	32	1980n	660e	613695	3569997	W03
9261	POKER LAKE "32" STATE #6	23	31	32	1980n	1980w	612886	3569985	W03
9262	POKER LAKE "32" STATE #8	23	31	32	1980n	660w	612483	3569980	W03
9263	TODD FEDERAL "26" #8	23	31	26	1650n	2310e	617997	3571749	W03
9264	TODD FEDERAL "26" #10	23	31	26	1980s	2310w	617805	3571250	W03
9265	TODD FEDERAL "26" #14	23	31	26	330s	2180w	617770	3570747	W03
9266	TODD FEDERAL "26" #15	23	31	26	330s	1980e	618110	3570751	W03
9267	TODD "27" FEDERAL #16	23	31	27	330s	330e	617006	3570739	W03
9268	PURE GOLD "D" FEDERAL #17	23	31	28	1980n	330w	613981	3571608	W03
9269	CAL-MON #8	23	31	35	2310n	330w	617216	3569937	W03
9270	MOBIL FEDERAL #7	23	31	29	330s	660e	613687	3570701	W03
9271	AMAX "24" FEDERAL #7	23	31	24	1980n	330w	618780	3573278	W03
9272	PURE GOLD "D" FEDERAL #4	23	31	28	330s	330w	613988	3570704	W03
9273	TODD FEDERAL "26" #16	23	31	26	330s	660e	618513	3570755	W03
9274	PURE GOLD "D" FEDERAL #3	23	31	28	1980s	330w	613985	3571207	W03
9275	PURE GOLD "C-17" FEDERAL #3	23	31	17	1980s	330e	613745	3574425	W03
9276	PURE GOLD "C-17" FEDERAL #4	23	31	17	1780n	330e	613738	3574889	W03
9277	PAULINE "ALB" STATE #7	23	31	32	660s	660w	612495	3569178	W03
9278	PAULINE "ALB" STATE #8	23	31	32	1980s	660w	612489	3569580	W03
9279	AMAX "24" FEDERAL #8	23	31	24	2160s	330w	618786	3572916	W03
9280	POKER LAKE "32" STATE #4	23	31	32	560n	660e	613690	3570429	W03
9281	POKER LAKE "32" STATE #5	23	31	32	660n	1980w	612880	3570387	W03
9282	POKER LAKE "32" STATE #7	23	31	32	660n	760w	612508	3570382	W03
9283	NORTH PURE GOLD "9" #1	23	31	9	330s	1980w	614434	3575539	W03
9284	TODD FEDERAL "26" #19	23	31	26	1905n	660e	618501	3571674	W03
9285	TODD FEDERAL "26" #20	23	31	26	1980s	660e	618506	3571258	W03
9286	TODD FEDERAL "26" #21	23	31	26	1980s	1980e	618104	3571253	W03
9287	CAL-MON #9	23	31	35	330n	2310e	618013	3570549	W03
9288	PURE GOLD "D" FEDERAL #5	23	31	28	330n	1650w	614380	3572116	W03

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9289	PURE GOLD "D" FEDERAL #6	23	31	28	1980n	1650w	614383	3571612	W03
9290	PURE GOLD "D" FEDERAL #7	23	31	28	1980s	1650w	614387	3571211	W03
9291	PURE GOLD "D" FEDERAL #8	23	31	28	330s	1650w	614391	3570708	W03
9292	SUNDANCE "1" FEDERAL #2	24	31	1	330n	990w	619041	3568956	W03
9293	SUNDANCE "8" FEDERAL #1	24	31	8	660n	1980w	612943	3567160	W03
9294	SUNDANCE "8" FEDERAL #2	24	31	8	1650n	330w	612443	3566853	W03
9295	SUNDANCE "9" FEDERAL #3	24	31	9	660n	660w	614141	3567173	W03
9296	PURE GOLD "B" FEDERAL #3	23	31	20	660s	1650e	613371	3572391	W03
9297	PURE GOLD "B" FEDERAL #4	23	31	20	660s	660e	613672	3572407	W03
9298	SAND DUNES "34" FEDERAL #2	23	31	34	2310n	660e	616915	3569933	W03
9299	SAND DUNES "34" FEDERAL #3	23	31	34	330s	330e	617025	3569122	W03
9300	ADELINE "ALN" FEDERAL #2	24	31	6	660n	760e	612070	3568772	W03
9301	PURE GOLD "A" FEDERAL #2	23	31	21	660s	330w	613974	3572412	W03
9302	ADELINE "ALN" FEDERAL #3	24	31	6	660n	1980e	611698	3568768	W03
9303	ADELINE "ALN" FEDERAL #7	24	31	6	1980n	1980e	611708	3568366	W03
9304	ADELINE "ALN" FEDERAL #8	24	31	6	1980n	660e	612111	3568370	W03
9305	ADELINE "ALN" FEDERAL #9	24	31	6	1980s	660e	612121	3567956	W03
9306	ADELINE "ALN" FEDERAL #10	24	31	6	1980s	1830e	611750	3567950	W03
9307	STERLING SILVER "34" FEDERAL #1	23	31	34	1980n	660w	615707	3570017	W03
9308	SAND DUNES "34" FEDERAL #1	23	31	34	660n	660e	616909	3570435	W03
9309	LILY "ALY" FEDERAL #1	24	31	3	660n	660e	616928	3568824	W03
9310	LILLY "ALY" FEDERAL #2	24	31	3	660n	1980e	616525	3568813	W03
9311	LILLY "ALY" FEDERAL #3	24	31	3	1980n	2310e	616429	3568418	W03
9312	LILLY "ALY" FEDERAL #4	24	31	3	1980n	660e	616932	3568421	W03
9313	FEDERAL "29" #8	23	31	29	330s	760w	612505	3570683	W03
9314	SAND DUNES "34" FEDERAL #4	23	31	34	1650s	330e	617020	3569528	W03
9315	CAL-MON #10	23	31	35	330n	660e	618516	3570554	W03
9316	PURE GOLD "B" FEDERAL #2	23	31	17	10s	2110e	613210	3573819	W03
9317	LILY ALY FEDERAL #5	24	31	3	2310s	990e	616834	3568113	W03
9318	LILY ALY FEDERAL #6	24	31	3	1980s	1980e	616534	3568009	W03
9319	LILY ALY FEDERAL #7	24	31	3	990s	2310e	616436	3567706	W03
9320	LILY ALY FEDERAL #8	24	31	3	990s	990e	616838	3567711	W03
9321	ADELINE "ALN" FEDERAL #16	24	31	6	660s	330e	612232	3567554	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9322	ADELINE "ALN" FEDERAL #17	24	31	5	660s	990w	612634	3567559	W03
9323	PURE GOLD "B" FEDERAL #5	23	31	20	1980s	660e	613666	3572810	W03
9324	PURE GOLD "B" FEDERAL #6	23	31	20	1980s	1980e	613264	3572802	W03
9325	MOBIL FEDERAL #8	23	31	29	330s	1980e	613284	3570695	W03
9326	MEDANO "VA" STATE #15	23	31	16	660n	1980e	614842	3575242	W03
9327	MEDANO "VA" STATE #16	23	31	16	330n	1980w	614437	3575338	W03
9328	MEDANO "VA" STATE #17	23	31	16	500n	330w	613934	3575281	W03
9329	ADELINE "ALN" FEDERAL #15	24	31	6	660s	1980e	611729	3567549	W03
9330	PURE GOLD "D" FEDERAL #12	23	31	28	330s	2310e	614793	3570712	W03
9331	TODD "36" STATE #2	23	31	36	330n	330w	618820	3570557	W03
9332	TODD FEDERAL "26" #22	23	31	26	525n	2040e	618075	3572092	W03
9333	TODD "25" FEDERAL #4	23	31	25	660n	660w	618898	3572058	W03
9334	TODD "25E" FEDERAL #5	23	31	25	1920n	660w	618903	3571674	W03
9335	TODD-FEDERAL #14	23	31	23	2077s	1600e	618198	3572886	W03
9336	TODD "25L" FEDERAL #12	23	31	25	1982s	660w	618908	3571263	W03
9337	TODD "25M" FEDERAL #13	23	31	25	662s	660w	618914	3570861	W03
9338	TODD-FEDERAL #5	23	31	23	795s	1800e	618143	3572495	W03
9339	PURE GOLD "A" FEDERAL #4	23	31	21	1650s	330w	613969	3572714	W03
9340	SUNDANCE FEDERAL #3	24	31	5	660n	660e	613711	3568786	W03
9341	SUNDANCE FEDERAL #4	24	31	5	660n	1980e	613309	3568782	W03
9342	AMAX "24" FEDERAL #11	23	31	24	492s	330w	618793	3572408	W03
9343	PURE GOLD "C-17" FEDERAL #5	23	31	17	660n	330e	613734	3575231	W03
9344	PURE GOLD "C-17" FEDERAL #10	23	31	17	660n	1980e	613231	3575228	W03
9345	SUNDANCE FEDERAL #5	24	31	5	660n	1980w	612905	3568779	W03
9346	PURE GOLD "C-17" FEDERAL #9	23	31	17	2179n	1926e	613254	3574765	W03
9347	PURE GOLD "C-17" FEDERAL #11	23	31	17	330s	1980w	612845	3573912	W03
9348	SUNDANCE FEDERAL #6	24	31	5	660n	660w	612503	3568775	W03
9349	AMAX "24" FEDERAL #9	23	31	24	1650s	1650w	619190	3572767	W03
9350	AMAX "24" FEDERAL #10	23	31	24	330s	1650w	619196	3572365	W03
9351	PURE GOLD "C-17" FEDERAL #8	23	31	17	1880s	1980e	613242	3574389	W03
9352	PURE GOLD "C-17" FEDERAL #12	23	31	17	1980s	1980w	612839	3574415	W03
9353	PURE GOLD "C-17" FEDERAL #14	23	31	17	1980s	330w	612336	3574410	W03
9354	AMAX "24" FEDERAL #6	23	31	24	2080n	1750w	619214	3573249	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9355	STERLING SILVER "33" FEDERAL #5	23	31	33	330n	1650w	614393	3570507	W03
9356	NORTH PURE GOLD "9" #3	23	31	9	1886s	886w	614093	3576010	W03
9357	NORTH PURE GOLD "9" #2	23	31	9	660s	660w	614030	3575635	W03
9358	SUNDANCE FEDERAL #2	24	31	4	660n	660w	614113	3568791	W03
9359	SUNDANCE FEDERAL #9	24	31	5	1980n	1980e	613316	3568380	W03
9360	CAL-MON #19	23	31	35	1980n	380e	618609	3570052	W03
9361	SAND DUNES "34" FEDERAL #5	23	31	34	660n	1980e	616506	3570430	W03
9362	SAND DUNES "34" FEDERAL #6	23	31	34	1650n	2310e	616415	3570127	W03
9363	SAND DUNES "34" FEDERAL #7	23	31	34	1980s	1980e	616516	3569625	W03
9364	PURE GOLD "C-17" FEDERAL #13	23	31	17	330s	730w	612464	3573908	W03
9365	NORTH PURE GOLD "9" #7	23	31	9	1980n	1980w	614420	3576449	W03
9366	NORTH PURE GOLD "9" #9	23	31	9	330s	1980e	614838	3575544	W03
9367	STERLING SILVER "33" FEDERAL #4	23	31	33	1830n	660w	614097	3570047	W03
9368	SUNDANCE FEDERAL #8	24	31	5	1980n	1980w	612915	3568377	W03
9369	SAND DUNES "34" FEDERAL #8	23	31	34	330s	1980e	616522	3569122	W03
9370	CAL-MON #20	23	31	35	2310n	1980e	618122	3569946	W03
9371	STERLING SILVER "33" FEDERAL #14	23	31	33	330n	990e	615198	3570515	W03
9372	SUNDANCE FEDERAL #7	24	31	5	1980n	660w	612513	3568373	W03
9373	SUNDANCE FEDERAL #10	24	31	5	1980n	660e	613718	3568383	W03
9374	SUNDANCE FEDERAL #11	24	31	5	1980s	660e	613725	3567973	W03
9375	SUNDANCE FEDERAL #12	24	31	5	1980s	1980e	613323	3567969	W03
9376	SUNDANCE FEDERAL #13	24	31	5	1980s	1980w	612926	3567964	W03
9377	SUNDANCE FEDERAL #14	24	31	5	1980s	660w	612523	3567960	W03
9378	STERLING SILVER "33" FEDERAL #7	23	31	33	1980s	660w	614102	3569595	W03
9379	JAMES RANCH UNIT #55	23	31	17	1980n	1980w	612833	3574824	W03
9380	LOTOS FEDERAL #4	24	31	9	2310s	2310e	614865	3566482	W03
9381	SUNDANCE FEDERAL #15	24	31	5	660s	1980w	612936	3567564	W03
9382	NORTH PURE GOLD "8" #9	23	31	8	660s	660e	613567	3575632	W03
9383	STERLING SILVER "33" FEDERAL #8	23	31	33	660s	660w	614107	3569193	W03
9384	PURE GOLD "D" FEDERAL #11	23	31	28	1980s	2310e	614786	3571215	W03
9385	NORTH PURE GOLD "8" #3	23	31	8	1780n	660e	613615	3576501	W03
9386	STERLING SILVER "33" FEDERAL #11	23	31	33	730n	2310e	614797	3570389	W03
9387	NORTH PURE GOLD "8" #6	23	31	8	1980s	2310e	613119	3576032	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9388	BARCLAY "11G" FEDERAL #7	23	31	11	1980n	1980e	618044	3576481	W03
9389	SDS "11" FEDERAL #1	24	31	11	2090n	1980w	617756	3566781	W03
9390	STERLING SILVER "3" FEDERAL #5	24	31	3	660n	2310w	616228	3568818	W03
9391	STERLING SILVER "3" FEDERAL #6	24	31	3	1980n	2310w	616239	3568416	W03
9392	JAMES RANCH UNIT #36	23	30	1	1980n	1860e	610007	3578062	W03
9393	TODD "24" FEDERAL #2	23	31	24	660n	1980e	619688	3573684	W03
9394	TODD "24G" FEDERAL #7	23	31	24	1650n	2310e	619590	3573382	W03
9395	TODD "24H" FEDERAL #8	23	31	24	1980n	990e	619994	3573284	W03
9396	TODD "24I" FEDERAL #9	23	31	24	1730s	660e	620099	3572806	W03
9397	TODD "24P" FEDERAL #16	23	31	24	760s	660e	620103	3572510	W03
9398	TODD "25A" FEDERAL #1	23	31	25	605n	615e	620121	3572095	W03
9399	TODD "25B" FEDERAL #2	23	31	25	660n	1980e	619705	3572071	W03
9400	TODD "25C" FEDERAL #3	23	31	25	660n	1980w	619300	3572065	W03
9401	TODD "25F" FEDERAL #6	23	31	25	1650n	1650w	619204	3571762	W03
9402	TODD "25G" FEDERAL #7	23	31	25	1980n	1980e	619708	3571669	W03
9403	TODD "24J" FEDERAL #10	23	31	24	1980s	1980e	619696	3572876	W03
9404	TODD "25K" FEDERAL #11	23	31	25	1980s	1980w	619311	3571267	W03
9405	TODD "27" FEDERAL #13	23	31	27	660s	330w	615596	3570820	W03
9406	STERLING SILVER "3" FEDERAL #7	24	31	3	1980s	2310w	616250	3568005	W03
9407	TODD FEDERAL "13" #15	23	31	13	760s	2080e	619652	3574117	W03
9408	TODD "24O" FEDERAL #15	23	31	24	660s	1980e	619701	3572474	W03
9409	TODD "23P" FEDERAL #8	23	31	23	860s	540e	618526	3572517	W03
9410	MOBIL FEDERAL #6	23	31	29	1980s	660e	613683	3571203	W03
9411	STERLING SILVER "33" FEDERAL #6	23	31	33	1980n	1980w	614500	3570005	W03
9412	PURE GOLD "B" FEDERAL #9	23	31	17	10s	1960e	613279	3572202	W03
9413	TODD "13J" FEDERAL #10	23	31	13	1980s	1980e	619677	3574489	W03
9414	TODD "13K" FEDERAL #11	23	31	13	1920s	2180w	619331	3574469	W03
9415	NASH UNIT #20	23	30	18	1230n	1350w	601216	3574984	W03
9416	TODD "27" FEDERAL #12	23	31	27	1980s	510w	615645	3571224	W03
9417	JAMES RANCH UNIT #56	23	31	17	830n	2310w	612929	3575175	W03
9418	JAMES RANCH UNIT #57	23	31	17	2310n	700w	612445	3574722	W03
9419	PURE GOLD "C-17" FEDERAL #7	23	31	17	605s	1980e	613247	3574000	W03
9420	PALLADIUM "7" FEDERAL #1	24	31	7	610n	760e	612108	3567166	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9421	PURE GOLD "C-17" FEDERAL #6	23	31	17	330s	330e	613751	3573922	W03
9422	PURE GOLD "B" FEDERAL #14	23	31	20	360n	1795w	612792	3573701	W03
9423	NORTH PURE GOLD "9" #5	23	31	9	1140n	990w	614115	3576702	W03
9424	STERLING SILVER "34" #2	23	31	34	660n	660w	615702	3570420	W03
9425	STERLING SILVER "34" FEDERAL #3	23	31	34	660n	1980w	616104	3570425	W03
9426	JAMES RANCH UNIT #65	23	31	6	330n	2310e	611483	3578520	W03
9427	UNION FEDERAL #1	23	31	1	1980s	660w	618833	3577694	W03
9428	PURE GOLD "D" FEDERAL #18	23	31	28	1650s	330e	615391	3571120	W03
9429	TODD "36" STATE #3	23	31	36	1650n	330w	618823	3570155	W03
9430	CAL-MON #17	23	31	35	930s	460e	618595	3569335	W03
9431	GOLD RUSH "30" FEDERAL #1	23	30	30	1980n	1980e	601880	3571531	W03
9432	LOTOS FEDERAL #801	24	31	8	330n	660w	612540	3567256	W03
9433	SUNDANCE "1" FEDERAL #3	24	31	1	2310n	330e	620251	3568362	W03
9434	SUNDANCE "10" FEDERAL #1	24	31	10	330n	330w	615664	3567286	W03
9435	SUNDANCE "1" FEDERAL #4	24	31	1	740s	330e	620267	3567672	W03
9436	TODD-FEDERAL #6	23	31	23	2470n	415e	618556	3573127	W03
9437	STERLING SILVER "3" FEDERAL #1	24	31	3	1980n	660w	615736	3568412	W03
9438	STERLING SILVER "3" FEDERAL #3	24	31	3	1980s	660w	615747	3567998	W03
9439	TODD "36L" STATE #4	23	31	36	2310s	330w	618829	3569759	W03
9440	SQUIRES A L R #1	24	31	7	330n	1750e	611805	3567248	W03
9441	STERLING SILVER "3" FEDERAL #4	24	31	3	660s	710w	615773	3567597	W03
9442	TODD "23P" FEDERAL #15	23	31	23	985s	505e	618536	3572555	W03
9443	REMUDA BASIN STATE #9	23	30	30	660s	1750w	601388	3570716	W03
9444	GR "30" STATE #1	23	30	30	330n	1980w	601440	3572030	W03
9445	REMUDA BASIN "19" FEE #1	23	30	19	510n	2130w	601472	3573592	W03
9446	REMUDA BASIN "19" STATE #2	23	30	19	1980s	1980w	601434	3572734	W03
9447	REMUDA BASIN "30" STATE #3	23	30	30	1980s	1980w	601452	3571119	W03
9448	REMUDA BASIN STATE #1	23	30	19	1980n	1930w	601415	3573143	W03
9449	TODD "36F" STATE #6	23	31	36	1825n	1650w	619226	3570106	W03
9450	TODD "36K" STATE #5	23	31	36	2310s	1650w	619231	3569762	W03
9451	TODD "36C" STATE #7	23	31	36	660n	1650w	619221	3570461	W03
9452	LOTOS "10" FEDERAL #1	24	31	10	1980n	1980e	616548	3566802	W03
9453	SOTOL "A" FEDERAL #3	24	31	12	660n	1980w	619353	3567232	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9454	TODD "13I" FEDERAL #9	23	31	13	1750s	990e	619980	3574420	W03
9455	TODD "13P" FEDERAL #16	23	31	13	330s	990e	619986	3573987	W03
9456	TODD "24A" FEDERAL #1	23	31	24	660n	990e	619990	3573686	W03
9457	SOTOL FEDERAL #3	24	31	1	990n	1980w	619344	3568757	W03
9458	SOTOL FEDERAL #5	24	31	1	330n	380e	620231	3568965	W03
9459	LOTOS FEDERAL #802	24	31	8	1980s	660w	612550	3566355	W03
9460	GOLD RUSH "30" FEDERAL #3	23	30	30	1855n	520e	602325	3571572	W03
9461	LOTOS "11" FEDERAL #1	24	31	11	330n	330w	617245	3567313	W03
9462	LOTOS "C" FEDERAL #901	24	31	9	330n	660e	615362	3567290	W03
9463	TODD "36N" STATE #14	23	31	36	990s	1650w	619237	3569442	W03
9464	TODD "23I" FEDERAL #16	23	31	23	2148s	660e	618484	3572908	W03
9465	TODD "25H" FEDERAL #8	23	31	25	1980n	660e	620111	3571675	W03
9466	TODD "25I" FEDERAL #10	23	31	25	1980s	1980e	619712	3571272	W03
9467	TODD "25I" FEDERAL #9	23	31	25	1880s	660e	620103	3571246	W03
9468	CHARGER "29" FEDERAL #1	23	30	29	1780n	810w	602730	3571597	W03
9469	TODD "36M" STATE #13	23	31	36	1090s	330w	618835	3569387	W03
9470	TODD "25P" FEDERAL #16	23	31	25	660s	660e	620118	3570874	W03
9471	LOTOS "11" FEDERAL #2	24	31	11	1780n	660e	618552	3566881	W03
9472	TODD "25N" FEDERAL #14	23	31	25	660s	1980w	619316	3570865	W03
9473	TODD "25O" FEDERAL #15	23	31	25	660s	1980e	619716	3570870	W03
9474	SOTOL FEDERAL #6	24	31	1	1980n	660w	618943	3568452	W03
9475	SOTOL FEDERAL #7	24	31	1	1980n	1980e	619742	3568459	W03
9476	GOLD RUSH "30" FEDERAL #4	23	30	30	2500s	660e	602285	3571283	W03
9477	REMUDA BASIN "19" FEDERAL #2	23	30	19	510n	1580e	601986	3573596	W03
9478	REMUDA BASIN "19" FEDERAL #1	23	30	19	660n	660e	602267	3573552	W03
9479	TODD "2" STATE #4	24	31	2	1980s	660e	618543	3568027	W03
9480	TODD "2" STATE #3	24	31	2	660s	660e	618545	3567624	W03
9481	GOLD RUSH "30" FEDERAL #5	23	30	30	530n	1980e	601877	3571973	W03
9482	GR "30" STATE #2	23	30	30	1650n	2310w	601546	3571629	W03
9483	JAMES RANCH UNIT #73	23	31	6	330n	1980w	611172	3578514	W03
9484	SUNDANCE FEDERAL #22	24	31	4	1980s	1980e	614943	3567988	W03
9485	TODD "36B" STATE #15	23	31	36	330n	2310e	619619	3570567	W03
9486	SUNDANCE FEDERAL #21	24	31	4	1980s	660e	615345	3567993	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9487	PALLADIUM "7" FEDERAL #2	24	31	7	1800n	1980e	611740	3566800	W03
9488	JAMES RANCH UNIT #76	23	31	6	1900n	360w	610684	3578026	W03
9489	STERLING SILVER "33" FEDERAL #15	23	31	33	1980n	990e	615204	3570012	W03
9490	TODD "36G" STATE #8	23	31	36	1980n	1980e	619727	3570065	W03
9491	TODD "36H" STATE #17	23	31	36	1980n	660e	620128	3570070	W03
9492	TODD "36A" STATE #16	23	31	36	660n	660e	620123	3570472	W03
9493	AMAX FEDERAL "24" #13	23	31	24	1310s	330w	618789	3572657	W03
9494	GOLD RUSH "30" FEDERAL #7	23	30	30	330s	330e	602392	3570623	W03
9495	TODD "2" STATE #5	24	31	2	1980n	660e	618541	3568447	W03
9496	TODD "36J" STATE #9	23	31	36	2000s	1965e	619735	3569672	W03
9497	TODD "36" STATE #10	23	31	36	660s	1980e	619735	3569263	W03
9498	TODD "36I" STATE #18	23	31	36	1980s	660e	620133	3569669	W03
9499	TODD "36P" STATE #19	23	31	36	773s	571e	620167	3569301	W03
9500	LOTOS "11D" FEDERAL #1	24	31	11	1980s	660w	617358	3566411	W03
9501	HEAVY METAL "12" FEDERAL #1	24	31	12	1900s	1900w	619338	3566398	W03
9502	SUNDANCE "1" FEDERAL #8	24	31	1	1980s	660w	618945	3568031	W03
9503	GOLD RUSH "30" FEDERAL #2	23	30	30	430s	1750e	601959	3570650	W03
9504	BARCLAY FEDERAL #9	23	31	1	660s	1980e	619622	3577298	W03
9505	BARCLAY STATE #4	23	31	2	660s	1980e	618034	3577286	W03
9506	LOTOS "10" FEDERAL #3	24	31	10	660n	660e	616945	3567209	W03
9507	BARCLAY FEDERAL #12	23	31	12	660n	1980w	619247	3576892	W03
9508	POKER LAKE UNIT #140	23	30	32	1980n	330w	602600	3569920	W03
9509	LOTOS "C" FEDERAL #903	24	31	9	1980n	760e	615335	3566786	W03
9510	SUNDANCE "1" FEDERAL #7	24	31	1	2130s	1830e	619801	3568089	W03
9511	BARCLAY FEDERAL #11	23	31	12	760n	660e	620048	3576868	W03
9512	BARCLAY FEDERAL #14	23	31	1	1980n	660w	618827	3578087	W03
9513	TODD "2" STATE #7	24	31	2	660s	660w	617342	3567616	W03
9514	TODD "2" STATE #10	24	31	2	1980n	330w	617233	3568426	W03
9515	SUNDANCE "1" FEDERAL #5	24	31	1	660n	1980e	619742	3568857	W03
9516	BARCLAY FEDERAL #17	23	31	12	1980s	1980e	619566	3576132	W03
9517	BARCLAY FEDERAL #10	23	31	1	1980s	1980w	619235	3577697	W03
9518	BARCLAY FEDERAL #19	23	31	12	700n	2100e	619590	3576883	W03
9519	AMAX "24" FEDERAL #14	23	31	24	1485n	1310w	619077	3573430	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9520	FNR "26" FEDERAL #1	23	30	26	660s	660w	607592	3570786	W03
9521	POKER LAKE UNIT #144	23	30	31	2310s	810e	602255	3569606	W03
9522	BARCLAY FEDERAL #25	23	31	12	660n	660w	618844	3576889	W03
9523	PURE GOLD "B" FEDERAL #20	23	31	20	1260s	250e	613794	3572593	W03
9524	BARCLAY FEDERAL #21	23	31	1	1980n	1980w	619229	3578090	W03
9525	GOLD RUSH "31" FEDERAL #2	23	30	31	1980n	330e	602399	3569919	W03
9526	REMUDA BASIN STATE #10	23	30	30	825s	825w	601105	3570764	W03
9527	BARCLAY STATE #9	23	31	2	660n	1980e	618017	3578485	W03
9528	GOLD RUSH "31" FEDERAL #3	23	30	31	660n	1650e	601993	3570318	W03
9529	JAMES RANCH UNIT #63	23	30	1	660n	1980w	609542	3578462	W03
9530	POKER LAKE UNIT #145	23	30	31	2310s	1815e	601949	3569602	W03
9531	JAMES RANCH UNIT #79	23	31	6	330n	990e	611885	3578527	W03
9532	STERLING SILVER "33" FEDERAL #16	23	31	33	1980s	990e	615209	3569613	W03
9533	STERLING SILVER "34" FEDERAL #8	23	31	34	1980s	330w	615612	3569618	W03
9534	GR "30" STATE #3	23	30	30	2000n	990w	601145	3571519	W03
9535	JAMES RANCH UNIT #35	23	30	1	660n	660e	610368	3578466	W03
9536	JAMES RANCH UNIT #74	23	31	6	330n	430w	610699	3578505	W03
9537	GOLD RUSH "30" FEDERAL #6	23	30	30	430n	710e	602263	3572006	W03
9538	JAMES RANCH UNIT #33	23	30	1	660n	1813e	610016	3578464	W03
9539	JAMES RANCH UNIT #82	23	30	1	1200s	760e	610350	3577431	W03
9540	STERLING SILVER "34" FEDERAL #7	23	31	34	850s	330w	615616	3569274	W03
9541	POKER LAKE UNIT #165	23	30	32	560s	330w	602608	3569077	W03
9542	REMUDA BASIN STATE #5	23	30	19	330n	990w	601124	3573644	W03
9543	JAMES RANCH UNIT #84	23	30	1	1980n	760e	610342	3578064	W03
9544	HUDSON "1" FEDERAL #7	23	30	1	1680n	1930w	609530	3578151	W03
9545	TODD "13G" FEDERAL #21	23	31	13	1980n	1980e	619649	3574886	W03
9546	JAMES RANCH UNIT #83	23	30	1	2080s	1780e	610036	3577695	W03
9547	CAL-MON #12	23	31	35	330s	660w	617326	3569130	W03
9548	REMUDA BASIN "31" STATE COM #1	23	30	31	660s	660w	601075	3569091	W03
9549	TODD "13-F" FEDERAL #27	23	31	13	1980n	1930w	617648	3574868	W03
9550	TODD "23-A" FEDERAL #29	23	31	23	710n	660e	618473	3573662	W03
9551	TODD "23-F" FEDERAL #31	23	31	23	1980n	2030w	617700	3573260	W03
9552	TODD "14-P" FEDERAL #16	23	31	14	710s	660e	618469	3574094	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9553	ADELINE "ALN" FEDERAL #11	24	31	6	1650s	2310w	611401	3567847	W03
9554	HOLDER FEDERAL #1	23	32	33	1980n	660e	625017	3570139	W03
9555	CONTINENTAL APJ FEDERAL #1	23	32	28	660n	1980w	624187	3572138	W03
9556	GULF FEDERAL #1	23	32	21	660n	1980w	624164	3573745	W03
9557	FEDERAL #5-7	23	32	7	510n	660e	621717	3576969	W03
9558	SDE "18" FEDERAL #1	23	32	18	990n	1980w	620874	3575204	W03
9559	STATE "IG" COM #1	23	32	32	660n	1980e	623003	3570515	W03
9560	TRESNOR FEDERAL #1	23	32	30	1980s	1980w	620919	3571287	W03
9561	PLATINUM "6" FEDERAL #1	23	32	6	660s	1980w	620829	3577312	W03
9562	JACK TANK "6" FEDERAL #1	24	32	6	1980n	330e	621914	3568483	W03
9563	JAMES FEDERAL WI#1	23	32	29	810s	1830e	623043	3570964	W03
9564	ARACANGA FEDERAL #1	23	32	4	330s	2310e	624431	3577280	W03
9565	ARACANGA FEDERAL #2	23	32	9	1650s	1650e	624640	3576070	W03
9566	LITTLE JACK "30" FEDERAL #1	23	32	30	1980s	2310e	621281	3571291	W03
9567	MESA VERDE "6" FEDERAL #2	24	32	6	1980s	1980e	621414	3568069	W03
9568	MESA VERDE "6" FEDERAL #6	24	32	6	2100s	1850w	620918	3568097	W03
9569	MESA VERDE "7" FEDERAL #1	24	32	7	660n	1980e	621419	3567264	W03
9570	MESA VERDE "7" FEDERAL #2	24	32	7	660n	1980w	620965	3567257	W03
9571	LITTLE JACK "30" FEDERAL #3	23	32	30	660s	2310e	621285	3570889	W03
9572	LITTLE JACK "30" FEDERAL #2	23	32	30	1980n	2310e	621276	3571693	W03
9573	JACK TANK "7" FEDERAL #2	24	32	7	330n	660e	621820	3567372	W03
9574	MESA VERDE "6" FEDERAL #5	24	32	6	1980n	1980e	621412	3568476	W03
9575	ZIA "6" FEDERAL #1	24	32	6	1980n	660e	621814	3568481	W03
9576	LITTLE JACK "30" FEDERAL #4	23	32	30	660s	990e	621688	3570894	W03
9577	MESA VERDE "6" FEDERAL #7	24	32	6	660n	2540e	621239	3568877	W03
9578	MESA VERDE "6" FEDERAL #8	24	32	6	1980n	1980w	620961	3568471	W03
9579	SDE "18" FEDERAL #2	23	32	18	660s	860w	620548	3574093	W03
9580	SDE "31" FEDERAL #1	23	32	31	660n	660w	620526	3570477	W03
9581	TRESNOR MITCHELL "30" #1	23	32	30	330s	2310w	621024	3570785	W03
9582	SDE "31" FEDERAL #2	23	32	31	660n	1980w	620928	3570482	W03
9583	SDE "31" FEDERAL #4	23	32	31	1980n	1980w	620934	3570080	W03
9584	MESA VERDE FEDERAL "6" #10	24	32	6	430n	330w	620448	3568937	W03
9585	MESA VERDE "6" FEDERAL #14	24	32	6	330n	1650w	620849	3568973	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9586	TRESNOR MITCHELL "30" #2	23	32	30	2310n	2310w	621017	3571588	W03
9587	TRESNOR MITCHELL "30" #3	23	32	30	330n	2240w	620990	3572192	W03
9588	SDE "19" FEDERAL #3	23	32	19	330s	2310w	621009	3572393	W03
9589	SDE "19" FEDERAL #4	23	32	19	2180s	2310w	621003	3572957	W03
9590	SDE "31" FEDERAL #14	23	32	31	660s	1980w	620945	3569276	W03
9591	SDE "31" FEDERAL #15	23	32	31	660s	2310e	621306	3569280	W03
9592	FALCON "32" STATE #1	23	32	32	2080n	1650w	622503	3570073	W03
9593	JAMES FEDERAL "19" #1	23	32	19	660s	2310e	621267	3572498	W03
9594	JAMES FEDERAL "19" #2	23	32	19	1980s	2310e	621262	3572900	W03
9595	MESA VERDE "7" FEDERAL #7	24	32	7	330n	990w	620673	3567352	W03
9596	BLUE QUAIL FEDERAL #1	23	32	7	660s	1980e	621330	3575715	W03
9597	DARIUS "ADS" FEDERAL #1	23	32	30	990n	2310e	621273	3571995	W03
9598	TOMCAT "21" FEDERAL #1	23	32	21	1980n	1880w	624139	3573342	W03
9599	TOMCAT "18" FEDERAL #1	23	32	18	660n	990e	621637	3575318	W03
9600	BITSY FEDERAL #1	23	32	7	1980n	660e	621723	3576521	W03
9601	TOMCAT "21" FEDERAL #3	23	32	21	1980n	660w	623768	3573337	W03
9602	TOMCAT "17" FEDERAL #1	23	32	17	660s	660e	623355	3574135	W03
9603	TOMCAT "17" FEDERAL #3	23	32	17	1980s	660e	623352	3574537	W03
9604	TOMCAT "20" FEDERAL #1	23	32	20	560n	560e	623390	3573764	W03
9605	TOMCAT "16" STATE #3	23	32	16	1980s	660w	623754	3574544	W03
9606	TOMCAT "16" STATE #4	23	32	16	1650n	460w	623689	3575047	W03
9607	TOMCAT "17" FEDERAL #4	23	32	17	2080s	2080e	622919	3574562	W03
9608	SHARBRO FEDERAL #2	23	32	17	2310n	660e	623349	3574841	W03
9609	SHARBRO FEDERAL #3	23	32	17	2230n	1980e	622947	3574859	W03
9610	TOMCAT "16" STATE #7	23	32	16	1980s	1980w	624156	3574549	W03
9611	TOMCAT "16" STATE #8	23	32	16	660s	1830w	624114	3574147	W03
9612	TOMCAT "20" FEDERAL #2	23	32	20	660n	1980e	622957	3573727	W03
9613	TOMCAT "16" STATE #6	23	32	16	1980n	660e	624952	3574969	W03
9614	SHARBRO FEDERAL #4	23	32	17	990n	1980e	622944	3575237	W03
9615	TOMCAT "16" STATE #10	23	32	16	761n	1881e	624575	3575334	W03
9616	#2	23	32	7	660s	660w	620443	3575699	W03
9617	SHARBRO FEDERAL #6	23	32	7	1980n	660w	620447	3576501	W03
9618	TOMCAT "17" FEDERAL #5	23	32	17	460s	2180w	622892	3574067	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9619	TOMCAT "17" FEDERAL #6	23	32	17	1880s	2080w	622582	3574496	W03
9620	SHARBRO FEDERAL #7	23	32	7	1980s	660w	620439	3576102	W03
9621	TOMCAT "20" FEDERAL #3	23	32	20	1980n	660e	623365	3573331	W03
9622	SHARBRO FEDERAL #8	23	32	7	660n	660w	620431	3576903	W03
9623	TOMCAT "20" FEDERAL #4	23	32	20	1980n	1980e	622963	3573325	W03
9624	TOMCAT "20" FEDERAL #5	23	32	20	1980s	660e	623371	3572932	W03
9625	TOMCAT "16" STATE #13	23	32	16	660n	660e	624947	3575371	W03
9626	TOMCAT "21" FEDERAL #8	23	32	21	1980s	660w	623774	3572937	W03
9627	FALCON "32" STATE #3	23	32	32	1980s	1980w	622608	3569700	W03
9628	LITTLEFIELD FEDERAL WD#1	24	31	11	660n	1980e	618146	3567222	W03
9629	STERLING SILVER "33" #1	23	31	33	1980n	810w	614143	3570002	W03
9630	POKER LAKE UNIT #71	23	30	33	660n	1980w	604738	3570343	W03
9631	MEDANO "VA" STATE #12	23	31	16	1650s	2310e	614750	3574930	W03
9632	REMUDA BASIN STATE #9	23	30	30	660s	1750w	601388	3570716	W03
9633	REMUDA BASIN STATE #9	23	30	30	660s	1750w	601388	3570716	W03
9634	BARCLAY FED #18	23	31	1	1800s	1720e	619710	3577650	W03
9635	LILY ALY FEDERAL #8	24	31	3	990s	990e	616838	3567711	W03
9636	PALLADIUM "7" FEDERAL #1	24	31	7	610n	760e	612108	3567166	W03
9638	STATE #3-A	24	32	9	660n	1980e	624625	3567310	W03
9639	USGSTEST HOLE #1	23	30	34	2640n	2640w	606650	3569700	W03
9640	MEDANO "VA" STATE #1	23	31	16	1980s	1980w	614449	3574431	W03
9642	ADELINE "ALN" FEDERAL #1	24	31	6	1980n	1980w	611289	3568363	W03
9644	PG "1" FEDERAL #4	23	31	9	900n	1980w	614415	3576779	W03
9645	BRAN-BETTIS FEDERA #1	24	31	11	660s	660e	618563	3566015	W03
9646	STERLING SILVER "32" #1	23	31	32	1980s	1980w	613297	3569587	W03
9647	STERLING SILVER FED #10	23	31	33	660s	1980w	614509	3569199	W03
9705	D-248	23	30	2	53s	640w	607340	3577050	W03
9706	Duval CD-9	24	31	36	271s	244w	618920	3559480	W03
9707	D-31	23	30	2	143n	112w	607320	3578600	W03
9708	D-253	23	30	2	2100n	650e	608730	3578020	W03
9709	D-253	23	30	2	2100n	650e	608025	3578010	W03
9710	D-1S	23	30	2	101s	1169e	608600	3577080	W03
9711	D-179	23	30	2	2663n	2698w	608130	3577840	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9712	D-252	23	30	2	1650s	80w	607330	3577550	W03
9713	D-251	23	30	2	1000s	1000e	608640	3577360	W03
9714	D-177	23	30	3	2625n	2597w	606480	3577850	W03
9715	D-176	23	30	3	50n	2633w	606480	3578630	W03
9716	D-197	23	30	3	125n	91w	605700	3578620	W03
9717	D-27	23	30	4	2659s	369e	605570	3577860	W03
9718	D-17	23	30	4	1202s	587w	604225	3577380	W03
9719	D-30	23	30	4	120n	2362w	604780	3578590	W03
9720	D-11	23	30	9	2040n	672e	605490	3576425	W03
9721	D-18	23	30	10	124n	446e	607190	3577010	W03
9722	D-05-A	23	30	13	2616s	1745e	610080	3574640	W03
9723	D-05	23	30	13	2809n	1685w	609490	3574575	W03
9724	D-19	23	30	15	93n	1891e	606740	3575390	W03
9725	D-02S	23	30	16	4223n	2288w	604780	3574120	W03
9726	D-FR-10	23	30	16	790n	250w	604150	3575150	W03
9727	D-16	23	30	16	329n	2615e	604890	3575310	W03
9728	D-FR-9	23	30	22	70s	145w	605780	3572300	W03
9729	D-25	23	30	23	2093n	824w	607610	3573180	W03
9730	D-4	23	30	28	175s	232w	604180	3570620	W03
9731	D-3S	23	30	36	417s	665e	610430	3569140	W03
9732	I-176	23	30	5	528s	2640w	603225	3577140	W03
9733	I-178	23	30	4	528s	2112e	605040	3577190	W03
9734	I-276	23	30	4	2000n	2000e	604640	3578025	W03
9735	I-277	23	30	9	1600n	1000w	604360	3576525	W03
9736	I-278	23	30	10	1000n	2000w	606290	3576730	W03
9737	I-342S	23	31	32	2500n	2000e	613290	3569890	W03
9738	I-369	23	31	18	2640n	107w	610640	3574600	W03
9739	I-370	23	30	13	2670n	580w	609150	3574620	W03
9740	I-371	23	30	24	325n	90e	610570	3573760	W03
9741	I-372	23	30	25	77n	77e	610610	3572210	W03
9742	I-373A	23	30	10	2580s	52e	607310	3576205	W03
9743	I-373	23	30	10	2565s	87e	607300	3576200	W03
9744	I-383	23	30	1	2425s	100e	609010	3577790	W03

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ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9745	I-384	23	31	7	2575n	100w	610620	3576220	W03
9746	I-415	23	30	24	150n	360w	609090	3574790	W03
9747	I-432	23	30	6	3800n	450w	600910	3577440	W03
9748	I-433	23	30	6	80n	1800w	601310	3578580	W03
9749	I-434	23	30	7	150n	1900e	601360	3576890	W03
9750	I-435	23	30	6	1570s	1938w	601380	3577460	W03
9751	I-436	23	30	7	2350s	700w	601010	3576080	W03
9752	I-437	23	30	7	700s	2400w	601540	3575580	W03
9753	I-438	23	30	7	700s	300w	602350	3575580	W03
9754	I-439	23	30	5	1209s	748w	602640	3577360	W03
9755	I-440	23	30	15	2600s	2600w	606520	3574600	W03
9756	I-441	23	30	23	300n	300e	607430	3573725	W03
9757	I-442	23	30	14	2600s	2600e	608130	3574640	W03
9758	I-443	23	30	11	2600s	2600w	608120	3576210	W03
9759	I-444	23	30	14	269n	269w	607430	3575330	W03
9760	I-445	23	30	12	2630s	2050w	609600	3576250	W03
9761	I-446	23	30	13	300n	300e	609060	3575360	W03
9762	I-447	23	30	13	2180s	1820e	610070	3574500	W03
9763	I-448	23	31	18	300n	300w	610700	3575300	W03
9764	I-449	23	31	7	2600s	2600w	611360	3576220	W03
9765	I-450	23	31	18	2600n	2600e	611400	3574590	W03
9766	I-451	23	30	25	2600s	2600w	609890	3571400	W03
9767	I-452	23	30	25	300n	300w	609100	3572120	W03
9768	I-453	23	30	13	300n	300w	609825	3575360	W03
9769	I-454	23	30	14	300s	2500w	608190	3575350	W03
9770	I-456	22	31	22	300n	2650e	616150	3581990	W03
9771	I-457	22	31	27	200s	1200w	615775	3580340	W03
9772	I-458	23	31	4	2500n	400w	615280	3577890	W03
9773	I-459	23	31	3	2500n	2000w	616400	3577910	W03
9774	L-1S	23	30	36	2150n	3090w	609970	3570010	W03
9775	OF-3	23	31	29	520n	520w	612425	3572040	W03
9776	OF-5	23	31	28	125n	2515e	614700	3572200	W03
9777	OF-6	23	31	20	800s	216e	613800	3573590	W03

Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9778	PCA-15H	23	30	20	1600s	1400w	602920	3572610	W03
9779	PCA-16	23	30	17	700s	1900w	603500	3573980	W03
9780	PCA-37	23	30	18	750	400e	601920	3575120	W03
9781	PCA-39	23	30	18	750	1900w	601390	3575140	W03
9782	PCA-41	23	30	18	2250n	1150w	601170	3574680	W03
9783	PP-1	23	31	22	2640n	2640w	616270	3573040	W03
9784	PP-2	23	31	28	2620n	2640w	614690	3571420	W03
9785	PP-3	23	31	29	2620n	2655w	613100	3571410	W03
9786	PP-4	23	31	30	2640s	2640e	611480	3571380	W03
9787	PP-5	23	31	19	2640n	25e	612220	3573000	W03
9788	PP-6	23	31	14	2640s	2640e	617860	3574675	W03
9789	PP-7	23	31	11	660s	1320e	618230	3575690	W03
9790	S-6	23	30	17	2505n	317w	602540	3574620	W03
9791	S-7	23	30	29	261n	261e	604030	3572090	W03
9792	S-14	23	31	33	2029n	709w	614100	3569980	W03
9793	S-20	23	30	30	215n	2300w	601550	3572080	W03
9794	S-23	23	30	32	1411n	2510e	603370	3570110	W03
9795	Y-10	23	31	19	800n	2500e	611400	3572420	W03
9796	Y-11	23	31	19	1075n	2300w	611260	3573500	W03
9797	Y-12	23	31	29	1840s	240w	612350	3571130	W03
9798	Y-13	23	31	28	2700s	100w	613910	3571440	W03
9799	Y-14	23	31	20	560s	1420e	613425	3572380	W03
9800	Y-15	23	31	22	100n	0e	617070	3573825	W03
9801	Y-16	23	31	21	1600n	1660e	614990	3573340	W03
9802	Y-17	23	31	15	1920s	1400w	615890	3574420	W03
9803	Y-18A	23	31	23	2255s	2150w	617740	3572935	W03
9804	Y-18	23	31	23	2240	2150w	617740	3572930	W03
9805	Y-19	23	31	13	100s	100w	618700	3573900	W03
9806	Y-20	23	31	15	100n	100w	617020	3575450	W03
9807	Y-21	23	31	24	2650s	100w	618710	3573100	W03
9808	Y-22	23	31	27	600n	1000e	616790	3572070	W03
9850	Pogo Lost Tank 33 Fed #10	21	31	33		330e	615190	3589700	W03
9851	Pogo Lost Tank 33 Fed #11	21	31	33		1650e	614780	3589310	W03

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Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9852	Pogo Lost Tank 33 Fed #12	21	31	33		1650E	614791	3589790	W03
9853	Pogo Lost Tank 33 Fed #2	21	31	33		510W	613850	3588400	W03
9854	Pogo Lost Tank 33 Fed #4	21	31	33		330E	615190	3588500	W03
9855	Pogo Lost Tank 33 Fed #5	21	31	33		1650E	614790	3588900	W03
9856	Pogo Lost Tank 33 Fed #6	21	31	33		330e	615190	3588810	W03
9857	Pogo Lost Tank 33 Fed #7	21	31	33		330E	615190	3589310	W03
9858	Pogo Lost Tank 33 Fed #9	21	31	33		1650e	614790	3588510	W03
9859	Pogo Lost Tank 35 St #1	21	31	35		660E	618300	3588550	W03
9860	Pogo Lost Tank 35 St #12	21	31	35		330W	616990	3589340	W03
9861	Pogo Lost Tank 35 St #16	21	31	35		330w	616990	3589650	W03
9862	Pogo Lost Tank 35 St #3	21	31	35		2030W	617520	3588420	W03
9863	Pogo Lost Tank 35 St #4	21	31	35		560w	617070	3588420	W03
9864	Pogo Lost Tank 35 St #7	21	31	35		2030W	617020	3588850	W03
9865	Pogo Lost Tank 35 St #8	21	31	35		610W	617090	3588840	W03
9866	Pogo Lost Tank 3 Fed #3	22	31	3		1650e	616410	3587890	W03
9867	Pogo Lost Tank 3 Fed #7	22	31	3		1390E	616490	3588090	W03
9868	Pogo Lost Tank 3 Fed #8	22	31	3		550e	616730	3587920	W03
9869	Pogo Lost Tank 3 Fed #9	22	31	3		2310e	616200	3587820	W03
9870	LOPER "34" STATE1	21	31	34		660w	615476	3589312	W03
9871	JACQUE "AQJ" STATE1	21	31	34		330w	615325	3588341	W03
9872	JACQUE "AQJ" STATE3	21	31	34		1650w	615784	3588413	W03
9873	LUCY "ALC" STATE1	21	31	34		330e	616798	3588426	W03
9874	LUCY "ALC" STATE2	21	31	34		330e	616794	3588829	W03
9875	LUCY "ALC" STATE3	21	31	34		1980e	616291	3588840	W03
9876	JACQUE "AQJ" STATE5	21	31	34		2310w	615982	3589019	W03
9877	LUCY "ALC" STATE4	21	31	34		2080e	615476	3588810	W03
9001	Outcrop						600900	3572800	S02
9002	Outcrop						600300	3573400	S02
9003	Outcrop						600300	3576000	S02
9004	Outcrop						599600	3576100	S02
9005	Outcrop						599200	3575300	S02
9006	2130nw						600573	3598659	S02
9007	2130ne						610305	3598750	S02

Source Data Table-A (rev. 01-03) for Task 1, Analysis Plan AP-088

ID Number	Drillhole/Event Name	Twp	Rge	Sec	Feet from the North/South Line	Feet from the East/West Line	UTMX (NAD 27)	UTMY (NAD 27)	Work Period
9008	2130sw						600610	3588252	S02
9009	2130se						610463	3588333	S02
9010	2131sw						610463	3588265	S02
9011	2131se						620110	3588374	S02
9012	2132nw						620000	3598860	S02
9013	2132se						629805	3588521	S02
9014	2230sw						600765	3578525	S02
9015	2230se						610571	3578667	S02
9016	2231sw						610571	3578613	S02
9017	2231se						620220	3578712	S02
9018	2232se						629939	3578883	S02
9019	2330sw						600875	3568878	S02
9020	2330se						610675	3569018	S02
9021	2331sw						610675	3568957	S02
9022	2331se						620282	3569061	S02
9023	2332se						630073	3569225	S02
9024	2430sw						600988	3559224	S02
9025	2430se						610780	3559294	S02
9026	2431se						620463	3559402	S02
9027	2432se						630165	3559573	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
215	1081.13	539	351	730	188	S02
216	1055.83	324	140	916	184	S02
217	981.46					S02
218	978.41					S02
219	1075.94					S02
220	944.27					S02
221	967.74					S02
222	1069.24					S02
223	1102.77		418	685		S02
224	972.92		71	902		S02
225	975.36		67	908		S02
226	975.97		61	915		S02
227	963.47		98	865		S02
228	950.06					S02
229	999.74					S02
230	1051.56	424	255	797	169	S02
232	981.46	201	82	899	119	S02
307	1060.70		158	903		S02
311	1069.85		186	884		S02
398	1092.71		393	700		S02
400	1084.17		363	721		S02
452	1045.46	309	134	911	175	S02
453	1045.46					S02
454	1064.06	365	180	884	185	S02
455	1055.52	326	154	902	172	S02
456	1087.22	398	207	880	191	S02
457	1074.12	367				S02
458	1056.74	342	149	908	193	S02
459	1062.23	359	165	897	194	S02
460	1063.75	345	152	912	193	S02
461	1078.38	376	183	895	193	S02
462	1083.87	387	201	883	186	S02
500	1041.81	315	113	929	202	S02
501	1053.69		131	923		S02
502	1050.04	329	122	928	207	S02
503	1042.42	308	116	926	192	S02
504	1045.46	324	125	920	199	S02
505	1042.72	303	147	896	156	S02
507	1042.72	302	119	924	183	S02
508	1055.22	321	152	903	169	S02
510	998.22	212	76	922	136	S02
523	1005.84					S02
550	997.92	215	101	897	114	S02
551	993.04	266	128	865	138	S02
552	982.37	225				S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
583	966.22	201	70	896	131	S02
584	1095.76	593	408	688	185	S02
585	1101.85	619	424	678	195	S02
586	1098.80		411	688		S02
588	1090.57		366	725		S02
589	1078.99	497	311	768	186	S02
590	1076.86	492	304	773	188	S02
591	1088.14		332	756		S02
592	1048.51					S02
593	1094.23	553	351	743	202	S02
594	1075.64		262	814		S02
595	1082.95	472	283	800	189	S02
596	1094.54		287	808		S02
597	1077.47	421	290	787	131	S02
598	1075.33	466	280	795	186	S02
599	1090.27	463	277	813	186	S02
600	1091.18		259	832		S02
601	1074.42		320	754		S02
602	1097.89					S02
603	1089.66	438	249	841	189	S02
604	1100.02	464	271	829	193	S02
605	1085.70	437	239	847	198	S02
606	1095.76	453	262	834	191	S02
607	1097.89	461	259	839	202	S02
608	1085.09	450	268	817	182	S02
609	1097.89		260	838		S02
610	1097.89	432	259	839	173	S02
611	1074.72	418	213	862	205	S02
612	1099.11	450	258	841	192	S02
613	1084.78	441	256	829	185	S02
614	1054.00	336	165	889	171	S02
615	1065.28	408	223	842	185	S02
616	1062.23	383	192	870	191	S02
617	1074.42	407	223	851	184	S02
618	1095.45	439				S02
619	1065.58	389	206	860	183	S02
620	1059.18	395	204	855	191	S02
623	1050.04	365	180	870	185	S02
624	1061.31	330	162	899	168	S02
625	1049.43	307	137	912	170	S02
626	1024.13		158	866		S02
627	1060.70		171	890		S02
628	1077.47	387	204	873	183	S02
629	1069.24	357				S02
630	1068.63	377	200	869	177	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
631	1072.90		177	896		S02
632	1022.60		155	868		S02
633	1078.38	400	213	865	187	S02
634	1079.30	419	223	856	196	S02
635	1088.14					S02
636	1102.16	467	274	828	193	S02
637	1071.37	392	210	861	182	S02
638	1084.78	426	231	854	195	S02
640	1099.41	462	274	825	188	S02
641	1103.38	466	274	829	192	S02
642	1100.33	463	256	844	207	S02
643	1103.38	459	265	838	194	S02
645	1083.56	480	291	793	189	S02
646	1089.66		332	758		S02
649	1098.80		317	782		S02
650	1098.80	491	297	802	194	S02
651	1097.28	473	287	810	186	S02
652	1089.66	457	272	818	185	S02
653	1100.02	507	302	798	205	S02
656	1097.28	446	262	835	184	S02
657	1090.27	436	250	840	186	S02
660	1074.42	373	194	880	179	S02
661	1063.75	346	171	893	175	S02
662	1082.04		219	863		S02
663	1088.14		229	859		S02
664	1069.24	356	182	887	174	S02
665	1026.26	290	160	866	130	S02
666	1008.89					S02
667	1005.84					S02
668	996.70	250	122	875	128	S02
669	1021.08					S02
670	1018.03	287	155	863	132	S02
671	1014.98					S02
673	1071.37		207	864		S02
674	1058.27	375	201	857	174	S02
676	1031.75					S02
677	1078.99	406	229	850	177	S02
678	1069.85	404	226	844	178	S02
682	1104.90					S02
683	1109.47	512				S02
684	1103.38	495	302	801	193	S02
685	1101.85	506	314	788	192	S02
686	1066.80		219	848		S02
688	1059.18		204	855		S02
689	1054.00	372	197	857	175	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
690	1046.99					S02
691	1042.42	363	183	859	180	S02
692	1039.37					S02
693	1032.66					S02
694	990.60	265	129	862	136	S02
695	1015.90	316	134	882	182	S02
696	1039.06	352	177	862	175	S02
697	1045.46	394	213	832	181	S02
698	1056.13	412	232	824	180	S02
699	1062.23	387	226	836	161	S02
700	1054.91	381	216	839	165	S02
702	972.01	241				S02
703	966.22	245	98	868	147	S02
704	968.65	201				S02
707	964.69	218	82	883	136	S02
737	962.56	156	120	843	36	S02
741	971.09	166	61	910	105	S02
742	984.81	182	70	915	112	S02
755	965.91	192				S02
764	958.90	216	82	877	134	S02
766	950.06	217	79	871	138	S02
767	958.60		79	880		S02
769	964.08		70	894		S02
770	959.82	241	98	862	143	S02
771	975.97	273	125	851	148	S02
773	1017.42	347	168	849	179	S02
774	1017.12	345	158	859	187	S02
783	949.45	214	66	883	148	S02
784	937.56	187				S02
785	941.83	204	37	905	167	S02
786	932.69	180	34	899	146	S02
787	933.30	179	41	892	138	S02
788	994.26	284	107	887	177	S02
789	961.95	243	104	858	139	S02
790	979.93	258	82	898	176	S02
791	1007.36	315				S02
792	1004.32	300				S02
794	1024.43	350				S02
795	1018.64					S02
796	1014.37					S02
797	1012.85	326	143	870	183	S02
798	1020.78	352				S02
799	1018.64					S02
800	1014.68					S02
802	1032.66	374	192	841	182	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
806	1016.81	341				S02
807	1011.02	329	149	862	180	S02
808	1011.94					S02
809	1008.28	315				S02
810	1008.89	351				S02
811	989.69		84	906		S02
812	993.04	281	91	902	190	S02
813	1002.18	294	104	898	190	S02
814	1002.49	308				S02
815	993.04					S02
816	996.39					S02
817	982.68		84	899		S02
818	965.91	236	70	896	166	S02
819	1000.96	286	101	900	185	S02
820	983.89	256	76	908	180	S02
821	992.73					S02
822	964.69					S02
850	951.28		56	895		S02
851	957.99		67	891		S02
852	952.20		56	896		S02
853	955.24		66	889		S02
854	950.98		57	894		S02
855	964.39		73	891		S02
856	954.63		67	888		S02
857	953.41	219	58	895	161	S02
858	967.13	236	73	894	163	S02
859	968.96	247	73	896	174	S02
860	958.29	223	64	894	159	S02
861	953.11					S02
862	947.62					S02
863	978.41	260	98	880	162	S02
864	967.44	238	70	897	168	S02
865	984.81					S02
866	998.83	295	110	889	185	S02
867	960.73	231	62	899	169	S02
868	980.85					S02
870	1001.88	301				S02
871	995.17	293				S02
873	1007.36	314	125	882	189	S02
907	989.38					S02
1072	1068.32	351	192	876	159	S02
1095	1046.07		166	880		S02
1096	1008.58					S02
1097	1054.00					S02
1098	1049.73					S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1099	968.35		89	879		S02
1103	1044.85		192	853		S02
1104	1078.99	392	217	862	175	S02
1105	1142.39		540	602		S02
1106	1155.80	732	555	601	177	S02
1107	1156.11		561	595		S02
1108	1139.95		560	580		S02
1109	1118.01		471	647		S02
1110	1113.13	625	440	673	185	S02
1111	1158.24		529	629		S02
1112	1177.14		560	617		S02
1113	1176.83		559	618		S02
1114	1168.60	746	561	608	185	S02
1116	1157.63	700	491	667	209	S02
1137	921.41		19	902		S02
1138	907.39					S02
1142	1012.85		168	845		S02
1143	979.63		136	844		S02
1144	1023.52	347	176	848	171	S02
1145	1029.00	376	194	835	182	S02
1147	960.73		57	904		S02
1149	1041.81	444	251	791	193	S02
1150	1048.21	437	261	787	176	S02
1151	1046.38		254	792		S02
1152	1045.16		249	796		S02
1153	1079.30	450	258	821	192	S02
1154	1082.95	490	292	791	198	S02
1155	1069.24		274	795		S02
1156	1069.85	467	276	794	191	S02
1158	1037.84	413	215	823	198	S02
1159	1061.92	441	251	811	190	S02
1160	1058.27	437	246	812	191	S02
1161	1019.56	369	185	835	184	S02
1162	1020.78		187	834		S02
1163	1030.83	396	197	834	199	S02
1164	1053.69		241	813		S02
1165	1044.24	420	226	818	194	S02
1166	1041.50		223	819		S02
1167	1046.38		230	816		S02
1168	1042.42	417	218	824	199	S02
1169	1068.63	474	279	790	195	S02
1170	1080.82	497	296	785	201	S02
1172	1060.40	493	278	782	215	S02
1173	1069.24	488	285	784	203	S02
1174	1048.82	444	238	811	206	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1175	1058.57	454	253	806	201	S02
1176	1060.09	461	263	797	198	S02
1177	1035.71					S02
1178	1019.86		166	854		S02
1179	1029.31		191	838		S02
1180	1034.80		207	828		S02
1181	1019.56	364	166	854	198	S02
1182	1022.30	355	165	857	190	S02
1183	1008.89	324	128	881	196	S02
1184	1040.28		226	814		S02
1185	1039.06	430	225	814	205	S02
1226	913.18					S02
1227	922.63					S02
1228	918.67					S02
1229	921.72					S02
1230	964.08		72	892		S02
1231	974.45					S02
1232	922.93					S02
1234	979.93					S02
1236	1031.44		149	882		S02
1237	1038.45					S02
1239	1018.03	378	171	847	207	S02
1240	1016.81	378	172	845	206	S02
1241	1016.51		150	867		S02
1242	1015.59	354	152	864	202	S02
1243	1014.37					S02
1244	1012.85	360	153	860	207	S02
1246	1070.15	519	295	775	224	S02
1247	1044.24		251	793		S02
1248	1030.53	411	200	831	211	S02
1249	1028.40	414	197	831	217	S02
1250	1052.17		287	765		S02
1251	1054.91		288	767		S02
1252	1068.63		320	749		S02
1253	1052.78	490	283	770	207	S02
1254	1055.83	491	281	775	210	S02
1255	1054.30		280	774		S02
1256	1036.93	421	207	830	214	S02
1257	1028.40					S02
1258	1023.52	380	174	850	206	S02
1259	1033.88	433	190	844	243	S02
1260	1064.06		290			S02
1263	1134.77	670	459	676	211	S02
1264	1134.47	652	449	685	203	S02
1265	1103.99		370	734		S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1266	1126.85	615	417	710	198	S02
1267	1127.46		419	708		S02
1268	1128.06	618	420	708	198	S02
1269	1133.86	679	465	669	214	S02
1270	1135.38	684	467	668	217	S02
1271	1127.76	674	460	668	214	S02
1272	1133.86	676	463	671	213	S02
1273	1127.15	674	457	670	217	S02
1274	1129.28	671	461	668	210	S02
1275	1115.26	658	449	666	209	S02
1276	1131.72	671	456	676	215	S02
1277	1123.80	628	422	702	206	S02
1278	1082.34	533	320	762	213	S02
1279	1117.40		413	704		S02
1280	1106.12	623	416	690	207	S02
1281	1118.92	664	443	676	221	S02
1282	1125.93	670	452	674	218	S02
1283	1120.44	679	459	661	220	S02
1284	1127.76	664	450	678	214	S02
1285	1125.32	673	450	675	223	S02
1286	1116.48	641	434	682	207	S02
1287	1124.41	661	443	681	218	S02
1288	1118.31		454	664		S02
1289	1106.42	626	413	693	213	S02
1290	1126.24	675	456	670	219	S02
1291	1124.41	688	455	669	233	S02
1292	1116.79	677	456	661	221	S02
1296	1132.33	699	485	647	214	S02
1297	1134.47	674	471	663	203	S02
1298	1135.68	702	491	645	211	S02
1299	1131.11	686	472	659	214	S02
1300	1133.86	686	472	662	214	S02
1301	1131.72	674	466	666	208	S02
1302	1128.67	679	470	659	209	S02
1303	1131.72		491	641		S02
1304	1128.06	703	487	641	216	S02
1305	1123.19	698	481		217	S02
1306	1122.58	697	482	641	215	S02
1307	1115.26	711	503	612	208	S02
1323	904.65					S02
1324	909.52					S02
1325	908.61					S02
1326	906.48					S02
1327	897.33					S02
1328	898.25					S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1329	904.95					S02
1330	896.42	140				S02
1331	913.49					S02
1332	891.24					S02
1333	1050.65		143	908		S02
1334	968.96					S02
1335	1046.38		180	866		S02
1336	1045.16	348	198	847	150	S02
1337	995.48					S02
1338	1067.41		325	742		S02
1339	1066.80	462	260	807	202	S02
1340	1046.07		212	834		S02
1341	1047.29	421	210	837	211	S02
1342	1038.15		203	835		S02
1343	1040.59	413	198	843	215	S02
1344	1045.46	388	201	844	187	S02
1345	1047.90		213	835		S02
1346	1077.47	404	241	836	163	S02
1347	1075.33	506	301	774	205	S02
1348	1082.95	508	285	798	223	S02
1349	1082.95		259	824		S02
1350	1071.07	391	238	833	153	S02
1351	1075.94	409	244	832	165	S02
1352	1063.75	382	222	842	160	S02
1353	1077.47	411	241	836	170	S02
1354	1082.34		266	816		S02
1355	1067.41					S02
1356	1069.24		252	817		S02
1357	1103.38	640	430	673	210	S02
1358	1104.29					S02
1359	1107.03		411	696		S02
1360	1106.73	636	423	684	213	S02
1361	1092.40	543	332	760	211	S02
1362	1105.81	599	380	726	219	S02
1363	1101.85					S02
1364	1104.29					S02
1365	1108.56					S02
1366	1108.56					S02
1367	1108.56	633	412	697	221	S02
1368	1109.47		412	697		S02
1369	1099.11	656				S02
1370	1097.28					S02
1371	1098.80	629	411	688	218	S02
1372	1093.01		412	681		S02
1373	1096.98					S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1374	1105.81	641	395	711	246	S02
1375	1093.62	618	391	703	227	S02
1376	1094.54	655	397	698	258	S02
1377	1104.60	634	399	706	235	S02
1378	1099.11	637	392	707	245	S02
1379	1094.54	611	389	706	222	S02
1380	1097.89	578	363	735	215	S02
1381	1103.99	596	378	726	218	S02
1382	1099.72	596	370	730	226	S02
1383	1098.80	607	379	720	228	S02
1384	1102.77	575	355	748	220	S02
1385	1099.41	602	372	727	230	S02
1386	1098.50	602	374	724	228	S02
1387	1097.89	600	373	725	227	S02
1388	1094.54	593	366	729	227	S02
1389	1100.02	616	384	716	232	S02
1390	1098.80	607	382	717	225	S02
1391	1093.93	578	358	736	220	S02
1392	1083.26	517	283	800	234	S02
1393	1069.85	523	305	765	218	S02
1394	1072.59	537	321	752	216	S02
1395	1074.12	554	326	748	228	S02
1396	1104.90	708	488	617	220	S02
1397	1099.11	665	443	656	222	S02
1398	1096.67	663	440	657	223	S02
1399	1098.19	659	439	659	220	S02
1400	1094.23	668	443	651	225	S02
1401	1108.25	671	447	661	224	S02
1402	1081.13	661	446	635	215	S02
1403	1090.57	666	447	644	219	S02
1404	1108.56	685	463	646	222	S02
1405	1096.67	717	488	609	229	S02
1406	1083.26		422	661		S02
1407	1094.84	677	453	642	224	S02
1408	1078.99	646	407	672	239	S02
1409	1095.45	730	458	637	272	S02
1410	1067.41	678	444	623	234	S02
1411	1074.42	640	401	673	239	S02
1412	1083.87	607	378	706	229	S02
1413	1074.12	605	374	700	231	S02
1414	1064.06	690	461		229	S02
1425	909.83		45	865		S02
1427	890.93	201				S02
1428	950.37					S02
1429	926.90					S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1430	938.17					S02
1431	927.81					S02
1432	911.35					S02
1433	894.89					S02
1434	897.64					S02
1436	997.61		314	684		S02
1437	1000.66					S02
1438	982.07	293	171	811	122	S02
1445	1011.02	431	268	743	163	S02
1448	977.49	322	187	790	135	S02
1449	980.54					S02
1450	978.10	329	202	776	127	S02
1451	971.09	431	270	701	161	S02
1453	977.49		415	562		S02
1455	976.27		250	726		S02
1456	970.48	340				S02
1457	976.58	364				S02
1459	1016.81		379	638		S02
1460	1059.48	399	257	802	142	S02
1461	1020.47		308	712		S02
1463	1011.63	634				S02
1464	1062.53	517	298	765	219	S02
1465	1054.91	468	300	755	168	S02
1466	1054.91		287	768		S02
1467	1054.61	475	297	758	178	S02
1468	1058.27	490	294	764	196	S02
1469	1060.09	500	295	765	205	S02
1470	1060.70	492	296	765	196	S02
1472	1055.83	491	295	761	196	S02
1473	1052.78	486	293	760	193	S02
1474	1054.30	488	299	755	189	S02
1475	1053.08	484	294	759	190	S02
1476	1054.00	488	299	755	189	S02
1477	1057.66	485	296	762	189	S02
1478	1039.37		311	728		S02
1479	1057.05	520	302	755	218	S02
1480	1050.04	499	289	761	210	S02
1481	1052.78	514	297	756	217	S02
1482	1053.08	482	293	760	189	S02
1483	1044.55	451	290	755	161	S02
1484	1051.86	466	300	752	166	S02
1485	1047.90	458	295	753	163	S02
1486	1051.86	482	294	758	188	S02
1487	1052.47		294	758		S02
1488	1052.47	470	300	752	170	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1489	1048.82	457	287	762	170	S02
1490	1050.65	474	293	758	181	S02
1491	1049.43	466	299	750	167	S02
1492	1048.82	463	297	752	166	S02
1493	1042.72	430	275	768	155	S02
1494	1049.73	462	293	757	169	S02
1495	1043.33	436	279	764	157	S02
1496	1048.21	456	291	757	165	S02
1497	1047.60	440	287	761	153	S02
1499	1054.00	471	293	761	178	S02
1500	1039.67	422	273	767	149	S02
1501	1046.68	444	287	760	157	S02
1502	1049.73	456	290	760	166	S02
1503	1046.68	438	285	762	153	S02
1504	1046.38	442	290	756	152	S02
1505	1049.43	457	293	756	164	S02
1507	1047.90		255	793		S02
1508	1034.49	424	276	758	148	S02
1509	1037.23	446	286	751	160	S02
1510	1035.71	429	284	752	145	S02
1511	1035.10	430	279	756	151	S02
1512	1037.84	437	283		154	S02
1513	1040.59	431	276	765	155	S02
1514	1038.15	448	287	751	161	S02
1515	1040.28	445	289	751	156	S02
1516	1043.03	446	287	756	159	S02
1517	1037.54	439	293	745	146	S02
1519	1036.32	443	290	746	153	S02
1520	1037.54	422	272	766	150	S02
1521	1038.76	415	267	772	148	S02
1522	1042.72	448	280	763	168	S02
1523	1044.85	446	288	757	158	S02
1524	1045.46	451	289	756	162	S02
1525	1039.06	442	283	756	159	S02
1526	1042.11	451	287	755	164	S02
1527	1042.11	449	284	758	165	S02
1528	1039.67	448	285	755	163	S02
1529	1042.72	454	290	753	164	S02
1530	1040.59	454	290	751	164	S02
1531	1045.16	491	283	762	208	S02
1533	1033.58	452	293	741	159	S02
1534	1033.88	445	300	734	145	S02
1535	1032.66	440	283	750	157	S02
1536	1028.70	473	327	702	146	S02
1537	1035.71	446	293	743	153	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1539	1030.83	448	303	728	145	S02
1540	1032.05	443	293	739	150	S02
1541	1040.59	461	317	724	144	S02
1542	1027.18	490	347	680	143	S02
1543	1022.91		335	688		S02
1544	1025.96		401	625		S02
1545	1009.19		379	630		S02
1546	1007.97	542	377	631	165	S02
1547	1020.78	474	344	677	130	S02
1548	1015.59	534	381	635	153	S02
1549	1019.86	522	373		149	S02
1550	1063.75	688	459	605	229	S02
1551	1060.09	623	383	677	240	S02
1552	1053.39	607	384	669	223	S02
1553	1043.64	649	418	626	231	S02
1554	1065.89	574	351	715	223	S02
1555	1045.77	593	361	685	232	S02
1556			368			S02
1557	1033.88		361	673		S02
1558	1021.99	602	374	648	228	S02
1559	1023.52	622	391	633	231	S02
1560	1018.64	610	383	636	227	S02
1561	1015.59	599	369	647	230	S02
1562	1011.94	593	370	642	223	S02
1563	1021.99	567	348	674	219	S02
1564	1019.25	571	356	663	215	S02
1565	1043.03	596	357	686	239	S02
1566	1032.05	489	283	749	206	S02
1567	1015.59	533	318	698	215	S02
1568	1033.58	546	326	708	220	S02
1569	1013.46	584	357	656	227	S02
1570	1019.86	609	381	639	228	S02
1628	1174.39	858	671	503	187	S02
1629	1140.26	735	523	617	212	S02
1630	1060.70		262	799		S02
1631	1115.26	670	447	668	223	S02
1632	1088.75	612	408	681	204	S02
1633	1111.00	536	339	772	197	S02
1634	943.05					S02
1635	1100.94	727	502	599	225	S02
1636	1068.63		424	645		S02
1637	904.65					S02
1638	1053.39	326				S02
1639	1135.68	679	467	669	212	S02
1641	1039.37		214	825		S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
1642	1031.44		215	816		S02
1643	1040.28		210	830		S02
3000	999.30					S02
3001	1042.11					S02
3002	1033.04		207			S02
3003	1046.62					S02
3004	1124.31					S02
3005	1039.37		220			S02
3006	1041.53		226			S02
3007	1020.17		128	892		S02
3008	1041.38		213			S02
3009	1055.03		247			S02
3010	1060.75		257			S02
3011	1045.62		233			S02
3012	1030.71		198			S02
3013	1024.68		177			S02
5000	1099.41	446	254	845	192	S02
5002	1092.71	436	242	851	194	S02
5004	1089.66	431	240	850	191	S02
5005	1092.10	435	247	845	188	S02
5006	1098.50	447				S02
5007	1088.14	430	243	845	187	S02
5008	1087.53	433	251	837	182	S02
5009	1094.23	441	253	841	188	S02
5010	1097.28	449	256	841	193	S02
5011	1100.02	445				S02
5012	1096.98	447	255	842	192	S02
5014	1086.31	432	243	843	189	S02
5015	1090.88	482	288	803	194	S02
5016	1096.98	477	285	812	192	S02
5019	1090.27	457	265	825	192	S02
5020	1085.09	443	255	830	188	S02
5021	1095.76	477				S02
5022	1090.27	456	265	825	191	S02
5023	1087.22	442	256	831	186	S02
5024	1098.80	479	282	817	197	S02
5025	1098.50	467	274	824	193	S02
5027	1110.08	489	294	816	195	S02
5028	1099.41	494	296	803	198	S02
5029	1105.20	512	309	796	203	S02
5030	1093.01	506	302	791	204	S02
5032	1091.79	490	294	798	196	S02
5033	1089.96	493	297	793	196	S02
5034	1087.83	496	297	791	199	S02
5035	1088.14	489	294	794	195	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5036	1087.83	492	296	792	196	S02
5037	1088.75	482	290	799	192	S02
5038	1094.84	519	310	785	209	S02
5039	1088.75	506	302	787	204	S02
5040	1082.95	494	294	789	200	S02
5041	1085.39	491	293	792	198	S02
5042	1097.58	522	313	785	209	S02
5043	1089.36	502	299	790	203	S02
5044	1096.98	521	311	786	210	S02
5045	1099.41	517	309	790	208	S02
5046	1080.82	517	304	777	213	S02
5047	1096.67	530	317	780	213	S02
5048	1091.18	507	303	788	204	S02
5049	1100.33	527	315	785	212	S02
5050	1083.87	511	299	785	212	S02
5051	1089.96	511	305	785	206	S02
5052	1083.87	498	299	785	199	S02
5053	1092.71	516	308	785	208	S02
5054	1074.72	489	290	785	199	S02
5055	1080.82	502	293	788	209	S02
5056	1061.31	490	276	785	214	S02
5057	1063.14	505	288	775	217	S02
5059	1013.16	263	110	903	153	S02
5060	1010.41	265	107	903	158	S02
5061	990.60					S02
5062	959.82	172	69	891	103	S02
5063	980.24	225	79	901	146	S02
5064	983.89	263	123	861	140	S02
5065	980.85	243	102	879	141	S02
5066	992.43	283	138	854	145	S02
5068	1118.92	457	262	857	195	S02
5069	1105.51	439	252	854	187	S02
5070	1102.46	436	259	843	177	S02
5071	1098.19	437	247	851	190	S02
5072	1098.50	438	247	851	191	S02
5073	1087.22	410	233	854	177	S02
5075	1090.57	424	239	852	185	S02
5076	1094.54	432	244	851	188	S02
5079	1112.52	509	310	803	199	S02
5080	1114.04	511	312	802	199	S02
5081	1122.27	501	310	812	191	S02
5082	1130.50	496	314	817	182	S02
5084	1021.69	351	162	860	189	S02
5085	1011.63	327	141	871	186	S02
5086	1023.21	339	151	872	188	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5087	1009.50	307				S02
5088	1094.23	438	245	849	193	S02
5089	1010.11	317	134	876	183	S02
5090	1019.25	336	146	873	190	S02
5091	976.27	233				S02
5092	974.45	273	126	848	147	S02
5093	967.44	259	116	851	143	S02
5094	985.11	274	128	857	146	S02
5095	983.89	279	126	858	153	S02
5096	973.53	265	114	860	151	S02
5097	968.96	256	110	859	146	S02
5098	971.70	267	122	850	145	S02
5099	980.54	280				S02
5100	985.11	290	120	865	170	S02
5101	971.40	269	124	847	145	S02
5102	973.23	270	125	848	145	S02
5103	1024.43	371	189	835	182	S02
5104	1014.98	337	146	869	191	S02
5105	1016.81	345	156	861	189	S02
5106	1012.55	333	143	870	190	S02
5107	1016.81	340	155	862	185	S02
5109	1012.24	330	143	869	187	S02
5110	1019.25	341	157	862	184	S02
5111	986.94	276	144	843	132	S02
5112	983.89	292	144	840	148	S02
5113	1005.84	349	133	873	216	S02
5114	1007.36	322	132	875	190	S02
5115	971.40	266	124	847	142	S02
5116	1014.07	315	123	891	192	S02
5117	1017.73	336	149	869	187	S02
5118	1014.07	324	132	882	192	S02
5119	1013.16	321	128	885	193	S02
5120	1013.16	325	140	873	185	S02
5121	1019.56	330	142	878	188	S02
5122	981.76	293	147	835	146	S02
5123	1014.07	351	137	877	214	S02
5124	1033.58	368	181	853	187	S02
5125	1024.74	347	162	863	185	S02
5126	1043.94	387	205	839	182	S02
5127	1010.41	350	121	889	229	S02
5128	1011.33	295	110	901	185	S02
5129	1009.19	311				S02
5130	956.16	218				S02
5131	1002.79	291	101	902	190	S02
5132	1075.94	529	318	758	211	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5133	1064.36	501	294	770	207	S02
5134	1027.79	399	195	833	204	S02
5135	1025.96	398	189	837	209	S02
5136	1021.69	390	180	842	210	S02
5137	1024.74	393	184	841	209	S02
5138	1023.21	392	184	839	208	S02
5139	1027.79	399	193	835	206	S02
5140	1027.79	401	193	835	208	S02
5141	1012.55	387	181	832	206	S02
5142	1011.02	372	172	839	200	S02
5143	1012.55	376	173	840	203	S02
5144	1014.07	380	173	841	207	S02
5145	1014.68	381	177	838	204	S02
5146	1024.13	386	177	847	209	S02
5147	1014.07					S02
5148	1017.73	365				S02
5149	1014.07	337	138	876	199	S02
5150	1015.59	335	135	881	200	S02
5151	1017.42	352				S02
5152	1014.98	347	147	868	200	S02
5153	1052.47	488	271	781	217	S02
5154	1071.98	520	308	764	212	S02
5155	1064.97	511	296	769	215	S02
5158	1116.79	552	341	776	211	S02
5159	1121.05	554	344	777	210	S02
5160	1110.69	541	335	776	206	S02
5161	1135.38	566	344	791	222	S02
5162	1140.56	558	335	806	223	S02
5163	1144.83	562	347	798	215	S02
5164	1147.88	561	351	797	210	S02
5165	1137.21	561	347	790	214	S02
5166	1141.48	570	346	795	224	S02
5167	1142.70	535	340	803	195	S02
5168	1157.02	524	330	827	194	S02
5169	1149.40	527	332	817	195	S02
5170	1159.15	529	336	823	193	S02
5171	1141.78	524	325	817	199	S02
5173	1133.25	535	328	805	207	S02
5174	1140.87	525	328	813	197	S02
5175	1137.82	523	328	810	195	S02
5176	1152.14	522	326	826	196	S02
5177	1144.22	526	326	818	200	S02
5179	1132.94	535	330	803	205	S02
5180	1141.17	519	323	818	196	S02
5181	1130.20	532	329	801	203	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5182	1153.06	524	325	828	199	S02
5183	1146.35	519	317	829	202	S02
5184	1156.72	516	320	837	196	S02
5185	1128.06	524	326	802	198	S02
5186	1135.99	518	317	819	201	S02
5188	1135.99	518	318	818	200	S02
5189	1111.30	509	310	801	199	S02
5190	1135.68	528	326	810	202	S02
5191	1109.47	539	329	780	210	S02
5192	1121.05	552	339	782	213	S02
5193	1130.50	541	334	797	207	S02
5194	1128.37	546	338	790	208	S02
5195	1123.80	547	336	788	211	S02
5196	1130.50	553	339	792	214	S02
5197	1130.50	535	330	801	205	S02
5198	1128.67	564	354	775	210	S02
5199	1139.95	558	348	792	210	S02
5200	1145.44	560	349	796	211	S02
5201	1150.01	570	354	796	216	S02
5202	1146.66	576	351	796	225	S02
5203	1146.96	559	349	798	210	S02
5204	1148.18	561	351	797	210	S02
5206	1137.51	559	350	788	209	S02
5208	1156.11	607	392	764	215	S02
5209	1142.09	586	376	766	210	S02
5210	1134.77	617	402	733	215	S02
5211	1125.93	567	357	769	210	S02
5212	1113.43	580	370	743	210	S02
5214	1118.92	580	370	749	210	S02
5216	1108.56	555	339	770	216	S02
5217	1078.38	543	325	753	218	S02
5218	1078.99	543	325	754	218	S02
5219	1067.10	519	304	763	215	S02
5220	1082.04	553	336	746	217	S02
5221	1126.54	616	402	725	214	S02
5223	1128.67	629	415	714	214	S02
5224	1134.77	628	415	720	213	S02
5226	1135.68	679	463	673	216	S02
5227	1088.44	582	372	716	210	S02
5228	1086.92	526	343	744	183	S02
5229	1126.54	580	390	737	190	S02
5230	1141.78	620	405	737	215	S02
5231	1121.97	589	386	736	203	S02
5232	1111.00	536	338	773	198	S02
5233	1133.55	550	343	791	207	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5234	1113.13	520	324	789	196	S02
5235	1109.47	547	329	780	218	S02
5236	1110.39	671	443	667	228	S02
5237	1106.42	544	341	765	203	S02
5238	1107.03	644	416	691	228	S02
5239	1101.55	579	361	741	218	S02
5240	1106.73	562	332	775	230	S02
5241	1121.66	680	448	674	232	S02
5242	1115.87	684	472	644	212	S02
5243	1115.26	639	448	667	191	S02
5244	1115.87	671	442	674	229	S02
5245	1144.22	678	465	679	213	S02
5246	1135.99	635	433	703	202	S02
5247	1125.02	614	405	720	209	S02
5248	1079.60	538	326	754	212	S02
5249	1082.65	541	329	754	212	S02
5250	1127.46	625	421	706	204	S02
5251	1126.85	622	421	706	201	S02
5252	1138.73	664	451	688	213	S02
5253	1143.00	673	463	680	210	S02
5254	1138.43	648	456	682	192	S02
5255	1139.95	672	460	680	212	S02
5256	1137.51	673	465	673	208	S02
5257	1131.11	682	469	662	213	S02
5258	1108.25	666	452	656	214	S02
5259	1128.98	701	488	641	213	S02
5260	1138.12	708	492	646	216	S02
5261	1134.47	693	483	651	210	S02
5262	1136.29	709	494	642	215	S02
5263	1102.16	656	442	660	214	S02
5264	1168.91	753	566	603	187	S02
5265	1152.14	432	302	850	130	S02
5266	1138.12	505	307	831	198	S02
5267	1149.40	485	291	858	194	S02
5268	1145.44	513	310	835	203	S02
5269	1129.89	560	347	783	213	S02
5270	1123.80	611	384	740	227	S02
5271	1123.19	572	350	773	222	S02
5272	1125.02	466	278	847	188	S02
5273	1123.80	459	266	858	193	S02
5274	1103.07	444	253	850	191	S02
5275	1115.26	459	265	850	194	S02
5276	1116.18	459	265	851	194	S02
5277	1129.28	512	316	813	196	S02
5278	1126.85	576	357	770	219	S02

Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5279	1134.77	605	386	749	219	S02
5280	1130.50	524	328	803	196	S02
5301	1000.05					S02
5302	979.63	243	101	879	142	S02
5303	995.78	284	116	880	168	S02
5304	1120.14	463	275	845	188	S02
5305	1082.95	407	226	857	181	S02
5306	1071.37	396	221	850	175	S02
5307	1106.12	440	255	851	185	S02
5308	1094.23	418	241	853	177	S02
5309	1197.56	777	585	613	192	S02
5310	1109.47	557	356	753	201	S02
5311	1115.87					S02
5312	1121.36	600	391	730	209	S02
5313	1131.42	597	386	745	211	S02
5314	1138.73	631	430	709	201	S02
5315	1138.43	646	418	720	228	S02
5316	1131.42	588	376	755	212	S02
5317	1148.49	484	296	852	188	S02
5318	1046.99		154	893		S02
5319	1007.06		88	919		S02
5320	1014.98					S02
5321	996.09					S02
5322	1020.47	338	149		189	S02
5323	1023.82	362	178	846	184	S02
5324	1008.58	310				S02
5325	1008.89	308	118	891	190	S02
5326	1092.40	428	239	853	189	S02
5327	1088.75	417	236	853	181	S02
5328	1093.62	438	243	851	195	S02
5329	1080.21	441	258	822	183	S02
5330	1087.83	428	240	848	188	S02
5331	1085.70	417	242	844	175	S02
5332	1080.52	435	245	836	190	S02
5333	1078.08	438	249	829	189	S02
5334	1086.31	435	248	838	187	S02
5335	1023.52	363	174		189	S02
5336	1029.61	382	197	833	185	S02
5337	1090.88	476	286	805	190	S02
5338	1096.98	478	283	814	195	S02
5339	1094.23	453	262	832	191	S02
5340	1094.84	501	304	791	197	S02
5341	1103.99	515	314	790	201	S02
5342	1065.58					S02
5343	1096.06	523	309	787	214	S02

Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5344	1092.71	521	308	785	213	S02
5345	1160.37	482	287	873	195	S02
5346	1160.98	485	304	857	181	S02
5347	1163.12	501	293	870	208	S02
5348	1136.90	458	263	874	195	S02
5349	1104.90	457	263	842	194	S02
5350	1103.07	443	251	852	192	S02
5351	1114.04	442	244	870	198	S02
5352	1114.35	496	301	813	195	S02
5353	1160.07					S02
5354	1159.76	495	300	860	195	S02
5355	1163.73	503	309	855	194	S02
5356	1160.07	503	308	852	195	S02
5357	1161.29	497	302	859	195	S02
5358	1159.76					S02
5359	1145.74					S02
5360	1141.78	567	357	785	210	S02
5361	1142.70	593	358	785	235	S02
5362	1146.05	592	360	786	232	S02
5363	1133.25	562	343	790	219	S02
5364	1143.30	583	354	789	229	S02
5365	1133.55	528	324	810	204	S02
5366	1132.64	530	327	806	203	S02
5367	1126.54	533	332	795	201	S02
5368	1103.38	539	325	778	214	S02
5369	1130.20	534	331	799	203	S02
5370	1131.11	558	348	783	210	S02
5371	1124.10	561	351	773	210	S02
5372	1145.13	572	347	798	225	S02
5373	1145.74	556	350	796	206	S02
5374	1142.39	580	369	773	211	S02
5375	1139.65	556	347	793	209	S02
5376	1133.25	564	354	779	210	S02
5377	1136.60	559	351	786	208	S02
5378	1143.91	557	351	793	206	S02
5380	1147.27	645	436	711	209	S02
5381	1151.23	646	436	715	210	S02
5382	1154.89	606	393	762	213	S02
5383	1125.93	580	371	755	209	S02
5384	1122.88	590	380	743	210	S02
5385	1119.23	566	358	761	208	S02
5386	1120.44	566	352	768	214	S02
5387	1122.88	598	387	736	211	S02
5389	1110.08	555	336	774	219	S02
5390	1117.40	593	383	734	210	S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
5391	1122.58	617	403	720	214	S02
5392	1123.49	608	397	726	211	S02
5393	1139.65	647	436	704	211	S02
5394	1151.23	649	437	714	212	S02
5395	1150.01	653	439	711	214	S02
5396	1146.35	659	451	695	208	S02
5397	1147.88	650	438	710	212	S02
5398	1111.00	655	426	685	229	S02
5399	1088.75	612	408	681	204	S02
5400	1088.75	637	421	668	216	S02
5401	1116.79	564	360	757	204	S02
5402	1093.32	576	369	724	207	S02
5501	1059.18	430	247	812	183	S02
5502	1055.83	430	247	809	183	S02
5503	1052.78	426	245	808	181	S02
5504	1059.79	417	239	821	178	S02
5505	1051.26	417	236		181	S02
5506	1053.69	415	233	821	182	S02
5507	1073.05	422	239	834	183	S02
5508	1061.92	419	242	820	177	S02
5509	1069.33	428	247	822	181	S02
5510	1063.14	427	250	813	177	S02
5511	1064.67	411	239	826	172	S02
6122	954.00		78	876		S02
6144	905.00		11	894		S02
6145	905.30		12	893		S02
6146	912.90		6	907		S02
6147	908.30		26	883		S02
6148	907.70		8	900		S02
6149	916.50		6	911		S02
6151	901.60		12	889		S02
6155	918.10		17	901		S02
6156	908.30		2	907		S02
6157	926.00		22	904		S02
6158	941.80		14	928		S02
6161	987.90		87	901		S02
6162	988.80		97	892		S02
6163	988.80		91	897		S02
6164	955.90		18	938		S02
6165	935.70		23	913		S02
6168	1001.00		95	907		S02
6169	986.00		67	919		S02
6170	934.80		31	904		S02
6171	956.80		35	922		S02
6172	986.00		71	915		S02

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
6173	1022.60		146	877		S02
6177	913.20		24	889		S02
6179	896.40		10	887		S02
6180	1062.20		179	883		S02
6181	1016.50		86	931		S02
6182	986.00		173	813		S02
6183	1020.50		116	904		S02
6184	1047.90		157	891		S02
6185	1022.60		123	900		S02
6186	1013.50		186	828		S02
6188	979.00		133	846		S02
6189	1037.80		194	844		S02
6190	1046.10		178	868		S02
6192	1031.40		257	775		S02
6198	1031.40		191	841		S02
6199	1038.80		212	827		S02
6202	1075.60		302	774		S02
6204	1096.40		283	814		S02
6210	1066.20		239	828		S02
6213	1051.60		214	838		S02
6215	1041.80		249	793		S02
6217	1057.70		243	815		S02
6219	1036.30		188	849		S02
6220	1051.00		252	799		S02
6221	1027.80		271	757		S02
6479	1106.40		400	707		S02
6487	1097.00		382	715		S02
6488	1088.60		390	698		S02
6489	1086.60		369	717		S02
6490	1072.60		266	807		S02
6494	1069.50		316	754		S02
6577	972.90			973		S02
6584	1006.80		264	743		S02
6585	1025.00		338	687		S02
6589	975.40			975		S02
6600	1003.40		303	700		S02
6601	983.90		404	580		S02
6606	1012.90		339	674		S02
6705	1023.80		344	680		S02
6706	1025.70		323	702		S02
6707	1019.30		333	687		S02
6708	1026.60		290	737		S02
6714	1025.30		284	742		S02
6715	1024.10		293	732		S02
9201	1032	421	205	827	216	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9202	1038	415	198	841	218	W03
9203	1084	518	291	794	227	W03
9204	1047	421	209	839	212	W03
9205	1045	470	256	789	214	W03
9206	1055	494	287	768	207	W03
9207	1051		277	773		W03
9208	980	254				W03
9209	1012	363	155	856	208	W03
9210	1058	500	292	766	208	W03
9211	1079	508	292	787	216	W03
9212	1054	488	277	777	211	W03
9213	932	128				W03
9214	923					W03
9215	1058	493	283	775	210	W03
9216	1052	439	215	837	224	W03
9217	924					W03
9218	1029	408	186	843	223	W03
9219	1033	395	179	853	215	W03
9220	1021	387	177	844	210	W03
9221	1084	520	294	790	226	W03
9222	1022					W03
9223	1016	335	134	881	201	W03
9224	1028	409	179	849	230	W03
9225	1014	343	151	863	192	W03
9226	1018	365	163	855	203	W03
9227	1070	485	278	792	207	W03
9228	1069	522	306	763	216	W03
9229	1065	482	274	791	207	W03
9230	1070	523	309	760	213	W03
9231	1068	515	301	766	214	W03
9232	1071	509	304	767	205	W03
9233	956	218	57	899	162	W03
9234	1062	499	285	777	214	W03
9235	1060	460	250	810	210	W03
9236	1038	458	220	818	238	W03
9237	1063	486	280	782	206	W03
9238	1039	447	216	824	232	W03
9239	1062	420	223	839	198	W03
9240	1020	396	179	842	218	W03
9241	1025	289	168	857	121	W03
9242	1029					W03
9243	1024	386	177	847	209	W03
9244	1026	402	189	838	214	W03
9245	1025	399	188	837	211	W03
9246	1060	449	231	830	218	W03

Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9247	1024	405	187	838	218	W03
9248	1059	467	259	800	208	W03
9249	1063	503	292	771	211	W03
9250	1024	395	180	844	215	W03
9251	1034	401	187	847	214	W03
9252	1035	400	187	848	213	W03
9253	1035	393	184	851	209	W03
9254	1031	388	177	854	211	W03
9255	1036	374	186	851	189	W03
9256	1026	407	187	839	219	W03
9257	1027	415	198	829	217	W03
9258	1061	477	271	789	206	W03
9259	1030	390	177	853	213	W03
9260	1032	402	185	847	216	W03
9261	1029	386	174	855	212	W03
9262	1027	381	175	852	206	W03
9263	1054	484	273	781	211	W03
9264	1055	475	271	784	204	W03
9265	1060	479	268	792	210	W03
9266	1061	488	281	780	207	W03
9267	1058	466	258	800	209	W03
9268	1024	418	175	849	243	W03
9269	1066	470	261	805	209	W03
9270	1027	399	174	853	225	W03
9271	1068	524	305	763	219	W03
9272	1028	402	180	849	223	W03
9273	1063	499	287	776	212	W03
9274	1027	400	178	849	222	W03
9275	1022	405	184	838	221	W03
9276	1024	396	182	842	214	W03
9277	1035	381	184	852	197	W03
9278	1030	381	177	853	205	W03
9279	1069	515	301	767	214	W03
9280	1029	401	179	850	223	W03
9281	1026	387	166	860	221	W03
9282	1025	383	175	850	208	W03
9283	1028	399	193	835	206	W03
9284	1063	504	291	773	213	W03
9285	1061	507	287	774	220	W03
9286	1057	497	274	782	222	W03
9287	1060	485	277	783	207	W03
9288	1025	405	180	846	225	W03
9289	1026	400	178	848	222	W03
9290	1027	403	185	842	218	W03
9291	1031	404	181	850	223	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9292	1078	503	295	783	208	W03
9293	1063	419	244	819	176	W03
9294	1075	429	252	823	177	W03
9295	1048	418	213	835	205	W03
9296	1024	385	173	851	212	W03
9297	1024	387	170	854	217	W03
9298	1060	464	253	807	211	W03
9299	1062	462	253	809	209	W03
9300	1041	383	201	841	183	W03
9301	1025	393	177	848	216	W03
9302	1042	377	217	825	160	W03
9303	1049	390	222	828	169	W03
9304	1049	403	224	824	179	W03
9305	1053	393	231	822	162	W03
9306	1055	397	223	833	174	W03
9307	1052	431	221	831	210	W03
9308	1057	463	252	805	211	W03
9309	1059	461	250	809	211	W03
9310	1055	469	243	812	226	W03
9311	1055	456	238	817	218	W03
9312	1060	485	259	801	226	W03
9313	1023	382	171	852	211	W03
9314	1067	471	260	807	211	W03
9315	1062	496	284	778	212	W03
9316	1024	393	180	843	213	W03
9317	1059	482	256	803	226	W03
9318	1056	455	241	816	214	W03
9319	1058	454	240	818	214	W03
9320	1062	463	256	806	207	W03
9321	1060	409	237	824	173	W03
9322	1063	409	239	824	170	W03
9323	1024	388	176	848	212	W03
9324	1023	384	178	845	206	W03
9325	1027	390	175	852	215	W03
9326	1027	402	198	829	204	W03
9327	1024	396	191	833	205	W03
9328	1024	396	186	839	210	W03
9329	1060	404	239	821	165	W03
9330	1036	410	192	844	218	W03
9331	1064	505	290	775	216	W03
9332	1057	491	278	779	213	W03
9333	1066	515	308	759	207	W03
9334	1066	513	306	760	207	W03
9335	1060	494	282	778	212	W03
9336	1067	512	302	765	211	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9337	1065	512	296	769	216	W03
9338	1058	494	287	771	207	W03
9339	1026	393	176	849	216	W03
9340	1039	402	198	841	204	W03
9341	1042	396	194	848	202	W03
9342	1070	517	308	762	209	W03
9343	1025	396	183	842	213	W03
9344	1019	386	178	841	208	W03
9345	1042	390	197	845	194	W03
9346	1026	394	177	849	218	W03
9347	1019	384	173	846	211	W03
9348	1043	386	201	842	185	W03
9349	1075	530	314	761	216	W03
9350	1074					W03
9351	1023	399	178	846	222	W03
9352	1018	386	174	845	213	W03
9353	1015	372	164	851	208	W03
9354	1074	532	315	759	216	W03
9355	1032	407	185	846	222	W03
9356	1023	390	182	841	208	W03
9357	1023	393	184	839	208	W03
9358	1039		204	835		W03
9359	1048	402	213	834	189	W03
9360	1062	494	287	775	207	W03
9361	1050	449	237	813	212	W03
9362	1053	449	235	818	213	W03
9363	1061	456	244	817	212	W03
9364	1017	375	169	848	206	W03
9365	1026	398	189	837	209	W03
9366	1028	400	195	833	205	W03
9367	1034	430	194	840	236	W03
9368	1049	394	218	831	176	W03
9369	1056	452	243	813	209	W03
9370	1065	482	278	787	204	W03
9371	1041	417	203	838	214	W03
9372	1050	390	222	828	168	W03
9373	1044	406	204	840	202	W03
9374	1047	411	211	835	200	W03
9375	1050	405	225	825	180	W03
9376	1053	398	235	818	163	W03
9377	1055	394	231	824	163	W03
9378	1036	424	191	844	232	W03
9379	1008	385	168	841	217	W03
9380	1058					W03
9381	1061	412	245	816	167	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9382	1013	387	181	832	206	W03
9383	1039	412	188	850	224	W03
9384	1030	410	187	842	223	W03
9385	1014	380	173	841	208	W03
9386	1038	418	198	840	220	W03
9387	1011	372	163	848	209	W03
9388	1057	492	287	770	206	W03
9389	1076		311	766		W03
9390	1051	457	235	816	223	W03
9391	1052	450	235	817	215	W03
9392	1009	307	114	895	193	W03
9393	1081	543	330	751	213	W03
9394	1078	539	324	754	215	W03
9395	1087	551	336	751	215	W03
9396	1092	555	343	749	212	W03
9397	1090	551	341	748	209	W03
9398	1090	551	339	750	212	W03
9399	1080	537	325	754	212	W03
9400	1072	524	316	756	208	W03
9401	1071	519	308	763	211	W03
9402	1080	536	323	757	212	W03
9403	1081	550	332	749	217	W03
9404	1074	525	311	763	214	W03
9405	1041	423	204	837	219	W03
9406	1053	457	235	818	222	W03
9407	1076	530	318	758	212	W03
9408	1083	542	330	753	212	W03
9409	1064	505	296	768	209	W03
9410	1029	393	173	856	220	W03
9411	1037	503	237	799	266	W03
9412	1016	375	173	842	202	W03
9413	1075	522	317	758	205	W03
9414	1070	514	308	762	205	W03
9415	926					W03
9416	1036	421	204	832	218	W03
9417	1016	381	168	849	213	W03
9418	1014	375	163	851	212	W03
9419	1021	390	169	852	221	W03
9420	1077					W03
9421	1018	400	183	835	217	W03
9422	1017	378	168	849	210	W03
9423	1025	394	184	841	210	W03
9424	1045	427	213	832	213	W03
9425	1049	454	234	815	220	W03
9426	1015	344	143	873	201	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9427	1065	511	296	769	215	W03
9428	1038	416	200	839	217	W03
9429	1065	502	294	772	208	W03
9430	1074	497	291	783	206	W03
9431	948	215	49	899	166	W03
9432	1064	418	243	822	175	W03
9433	1080	539	308	772	231	W03
9434	1054	432	217	837	215	W03
9435	1081	516	298	784	218	W03
9436	1066	512	296	770	216	W03
9437	1054	438	223	831	216	W03
9438	1050	438	216	834	222	W03
9439	1065	497	291	774	205	W03
9440	1062	404	233	830	171	W03
9441	1051	439	216	835	223	W03
9442	1065	505	296	768	209	W03
9443	940					W03
9444	942					W03
9445	935	130				W03
9446	932					W03
9447	940	123				W03
9448	934	128				W03
9449	1072	515	302	770	213	W03
9450	1069	512	305	764	207	W03
9451	1073	518	301	772	217	W03
9452	1069	467	254	815	213	W03
9453	1080	499	284	796	215	W03
9454	1083	532	328	756	205	W03
9455	1083	543	334	749	208	W03
9456	1088	552	339	749	213	W03
9457	1076	505	292	785	213	W03
9458	1079	521	307	772	215	W03
9459	1086	432	258	828	174	W03
9460	953					W03
9461	1067	488	265	802	223	W03
9462	1051	421	210	840	210	W03
9463	1070	497	287	783	209	W03
9464	1065	506	293	772	213	W03
9465	1077	543	336	741	207	W03
9466	1081	533	319	761	214	W03
9467	1080	542	336	744	206	W03
9468	945	160	50	895	110	W03
9469	1070	499	294	776	205	W03
9470	1084	539	326	758	213	W03
9471	1078	534	301	777	233	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9472	1072	521	302	771	219	W03
9473	1076	533	326	751	208	W03
9474	1085	507	295	790	212	W03
9475	1079	518	296	783	223	W03
9476	941	134				W03
9477	942	148				W03
9478	950	156				W03
9479	1074	495	293	782	202	W03
9480	1073	486	283	789	202	W03
9481	944	140				W03
9482	956	142				W03
9483	1014	337	138	876	199	W03
9484	1044	424	205	840	220	W03
9485	1075	536	309	766	228	W03
9486	1047	426	209	838	216	W03
9487	1066	407	240	827	168	W03
9488	1009	326	126	883	200	W03
9489	1041	420	209	831	211	W03
9490	1077	525	310	767	215	W03
9491	1081	532	317	764	215	W03
9492	1084	541	322	763	219	W03
9493	1070	515	302	767	213	W03
9494	946	136				W03
9495	1079	505	296	783	210	W03
9496	1075	515	302	774	213	W03
9497	1072	509	297	775	212	W03
9498	1079	527	315	764	212	W03
9499	1078	522	309	769	213	W03
9500	1076	491	271	805	219	W03
9501	1083	506	282	801	224	W03
9502	1078	500	290	788	210	W03
9503	939	123				W03
9504	1073	524	308	765	215	W03
9505	1051	482	276	775	206	W03
9506	1067	465	260	807	205	W03
9507	1063	513	299	765	214	W03
9508	976	177	62	914	115	W03
9509	1055	415	215	840	201	W03
9510	1078	516	295	783	221	W03
9511	1070	522	307	763	214	W03
9512	1074	502	297	777	205	W03
9513	1067	497	284	783	212	W03
9514	1062	483	270	792	213	W03
9515	1078	509	293	785	215	W03
9516	1072	516	308	764	208	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9517	1077	524	307	770	217	W03
9518	1067	524	312	755	211	W03
9519	1072	527	312	760	215	W03
9520	1036	323	158	878	166	W03
9521	972	168				W03
9522	1059	504	293	767	211	W03
9523	1022	390	177	845	213	W03
9524	1070	518	301	768	217	W03
9525	967	165	54	913	111	W03
9526	938					W03
9527	1052	485	268	784	216	W03
9528	946	129				W03
9529	1008	299	113	895	186	W03
9530	964	161				W03
9531	1020	353	149	871	204	W03
9532	1041	421	208	832	212	W03
9533	1046	415	209	837	206	W03
9534	954	138				W03
9535	1011	322	124	887	198	W03
9536	1013	329	130	883	199	W03
9537	958	158				W03
9538	1010	312	116	894	196	W03
9539	1007	320	122	885	198	W03
9540	1049	418	213	836	205	W03
9541	985					W03
9542	926	116				W03
9543	1010	316	116	894	200	W03
9544	1006	294	107	899	187	W03
9545	1074	518	314	760	204	W03
9546	1007	308	113	894	196	W03
9547	1069	475	266	803	209	W03
9548	976	207	88	887	119	W03
9549	1069	515	310	758	205	W03
9550	1066	517	302	764	215	W03
9551	1052	486	271	782	215	W03
9552	1059	512	298	761	215	W03
9553	1052	392	223	829	170	W03
9554	1117	621	414	704	207	W03
9555	1129	635	430	698	204	W03
9556	1128	618	419	709	199	W03
9557	1083	540	329	753	211	W03
9558	1088	538	336	751	202	W03
9559	1123	605	399	725	207	W03
9560	1102	567	357	745	210	W03
9561	1080	538	326	753	212	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9562	1096	552	343	753	209	W03
9563	1125	616	408	716	207	W03
9564	1125	614	405	720	209	W03
9565	1127	622	419	708	203	W03
9566	1104	573	367	737	206	W03
9567	1089	536	325	764	212	W03
9568	1086	539	320	766	219	W03
9569	1089	533	319	770	214	W03
9570	1086	523	308	778	215	W03
9571	1102	576	363	739	213	W03
9572	1111	583	376	735	207	W03
9573	1092	536	324	768	212	W03
9574	1092	543	329	763	213	W03
9575	1096	554	344	753	210	W03
9576	1109					W03
9577	1091	546	335	757	211	W03
9578	1085	557	321	764	236	W03
9579	1090	552	344	746	207	W03
9580	1088	568	332	756	235	W03
9581	1098	579	366	731	213	W03
9582	1094	619	360	734	258	W03
9583	1093	564	341	751	223	W03
9584	1081	528	317	765	212	W03
9585	1087	538	327	760	211	W03
9586	1106	572	364	742	208	W03
9587	1109	579	372	737	207	W03
9588	1107					W03
9589	1106	579	370	735	209	W03
9590	1090	543	333	757	210	W03
9591	1096	555	346	750	209	W03
9592	1119	591	382	737	209	W03
9593	1104	582	373	730	209	W03
9594	1106	580	372	734	208	W03
9595	1081	517	303	778	214	W03
9596	1090	552	343	747	209	W03
9597	1115	586	380	735	206	W03
9598	1122	620	425	697	195	W03
9599	1094	558	354	739	203	W03
9600	1087	553	351	736	202	W03
9601	1124	611	414	710	198	W03
9602	1120	613	411	709	201	W03
9603	1123	613	414	709	199	W03
9604	1119	611	413	706	198	W03
9605	1127	622	419	708	202	W03
9606	1117	607	402	715	205	W03

Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9607	1121	604	404	716	199	W03
9608	1119	610	411	708	199	W03
9609	1122	606	405	717	201	W03
9610	1129	625	422	707	203	W03
9611	1130	625	423	707	202	W03
9612	1121	607	411	710	197	W03
9613	1129	628	422	707	205	W03
9614	1113	594	390	723	204	W03
9615	1126	628	421	705	207	W03
9616	1080	533	326	754	207	W03
9617	1077	527	315	762	212	W03
9618	1120	596	401	719	195	W03
9619	1119	597	400	719	198	W03
9620	1077	529	322	755	208	W03
9621	1124	613	415	710	198	W03
9622	1074	528	317	757	211	W03
9623	1125	607	408	717	199	W03
9624	1127	616	422	705	194	W03
9625	1127	629	425	702	204	W03
9626	1124	618	424	700	194	W03
9627	1114	584	377	737	206	W03
9628	1075	506	300	775	206	W03
9629	1038	447	198	840	249	W03
9630	1028	296				W03
9631	1027	402	198	829	204	W03
9632	940					W03
9633	940	114				W03
9634	1076	528	310	766	218	W03
9635	1062	463	256	806	207	W03
9636	1077	404	235	842	169	W03
9638	1155	823	594	561	229	W03
9639	1041		152	888		W03
9640	1031					W03
9642	1048	388	210	838	177	W03
9644	1028	401	192	836	209	W03
9645	1086	511	290	796	221	W03
9646	1035	395	184	851	211	W03
9647	1042	436	201	841	234	W03
9014						W03
9015						W03
9016						W03
9017						W03
9018						W03
9019						W03
9020						W03

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IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9021						W03
9022						W03
9023						W03
9705	999	299				W03
9706	1059		259	799		W03
9707	989	286	94	895	192	W03
9708	997					W03
9709	997					W03
9710	988	286				W03
9711	989	291	91	897	199	W03
9712	980	301				W03
9713	992	291				W03
9714	960	244	76	884	168	W03
9715	974	259	76	898	183	W03
9716	957	230	67	860	132	W03
9717	945					W03
9718	927	193	30	897	162	W03
9719	943	195	44	899	151	W03
9720	949		52	898		W03
9721	972		73	899		W03
9722	996		110	886		W03
9723	978					W03
9724	960		70	890		W03
9725	960		60	900		W03
9726	958	215	52	905	162	W03
9727	942	205	47	895	158	W03
9728	1001	262	88	913	174	W03
9729	982		119	863		W03
9730	1001	243	94	906	148	W03
9731	1034	364	172	862	192	W03
9732	914	154	15	899	138	W03
9733	942	217	46	896	171	W03
9734	934	201	43	892	159	W03
9735	928	189	27	901	161	W03
9736	951	242	64	887	178	W03
9737	1027	386	189	838	197	W03
9738	1000	336				W03
9739	981		110	872		W03
9740	1000	339				W03
9741	1007	346	125	882	221	W03
9742	957					W03
9743	957		103	854		W03
9744	997		104	894		W03
9745	1003		128	875		W03
9746	991					W03

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IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9747	916	134	15	901	119	W03
9748	916	142	24	892	117	W03
9749	912	119	12	900	107	W03
9750	910	135	12	898	123	W03
9751	913		6	907		W03
9752	925		70	855		W03
9753	942	162	37	905	126	W03
9754	911	146	12	899	134	W03
9755	968		82	885		W03
9756	978		79	899		W03
9757	966					W03
9758	971		73	898		W03
9759	954					W03
9760	986		158	828		W03
9761	978		91	887		W03
9762	991		110	881		W03
9763	1003		131	872		W03
9764	1009	342				W03
9765	1006	351	140	866	210	W03
9766	1010					W03
9767	1006					W03
9768	988		107	881		W03
9769	966		79	887		W03
9770	1073					W03
9771	1055	459				W03
9772	1039					W03
9773	1032	446				W03
9774	1025	359	151	874	208	W03
9775	1015	372	166	849	206	W03
9776	1021	409	183	839	226	W03
9777	1020	391	177	843	214	W03
9778	966	177	52	914	125	W03
9779	986	208	67	919	141	W03
9780	917	100	3	913	97	W03
9781	921	112	12	909	100	W03
9782	925	112	15	910	97	W03
9783	1038	440				W03
9784	1024	401	183	841	218	W03
9785	1020	377	168	852	209	W03
9786	1014	358	146	868	211	W03
9787	1012	368	158	853	210	W03
9788	1062	497	290	773	208	W03
9789	1061	491	290	772	201	W03
9790	956	173	109	848	64	W03
9791	985	215	67	918	148	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9792	1031	435	189	842	247	W03
9793	935	123	31	904	91	W03
9794	985	193	71	914	123	W03
9795	1010		186	824		W03
9796	1009		143	866		W03
9797	1019		171	849		W03
9798	1023	408	177	846	231	W03
9799	1018		168	851		W03
9800	1055		271	783		W03
9801	1030		198	832		W03
9802	1042		235	807		W03
9803	1049					W03
9804	1049		293	756		W03
9805	1062		302	760		W03
9806	1045		253	792		W03
9807	1062		296	766		W03
9808	1039					W03
9850	1057	386	216	841	169	W03
9851	1057	396	223	835	174	W03
9852	1056	383	216	840	167	W03
9853	1051	400	220	831	180	W03
9854	1057					W03
9855	1055	402	229	826	174	W03
9856	1057	402	225	832	177	W03
9857	1059	395	223	836	173	W03
9858	1056	411	229	827	182	W03
9859	1085	411	232	853	180	W03
9860	1076	409	233	843	176	W03
9861	1072	399	225	847	174	W03
9862	1085	419	239	846	180	W03
9863	1077	418	238	839	180	W03
9864	1074	408	233	841	175	W03
9865	1077	408	237	840	171	W03
9866	1064	421	250	814	171	W03
9867	1071	422	238	833	184	W03
9868	1073	424	239	834	184	W03
9869	1069	421	247	822	174	W03
9870	1062	396	223	839	174	W03
9871	1059	415	236	822	178	W03
9872	1060	405	236	824	169	W03
9873	1072	420	238	835	182	W03
9874	1072	408	235	838	173	W03
9875	1072	395	235	838	161	W03
9876	1070	397	234	836	163	W03
9877	1067	398	235	832	164	W03

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Source Data Table-B (rev. 01-03) for Task 1, Analysis Plan AP-088

IDNumber	Reference Elevation (m amsl)	Depths (m) from Reference Elevation to Stratigraphic Unit		Elevation (m) of Top of Culebra	Thickness (m) between Top of Culebra and Base of Vaca Triste	Work Period
		Base of Vaca Triste	Top of Culebra			
9001				920		W03
9002				914		W03
9003				910		W03
9004				908		W03
9005				908		W03
9006						S02
9007						S02
9008						S02
9009						S02
9010						S02
9011						S02
9012						S02
9013						S02
9014						S02
9015						S02
9016						S02
9017						S02
9018						S02
9019						S02
9020						S02
9021						S02
9022						S02
9023						S02
9024						S02
9025						S02
9026						S02
9027						S02

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Checksheet for metric calculation from English units

Idnum	Reference Elevation (ft amsl)	Depth (ft) to top of Culebra	Depth (ft) to base of VT	Elev (m amsl) of top of Culebra ¹	Elev (m amsl) of base of VT ²	Thickness (m) top of Culebra to base of VT ³
9201	3385	673	1381	827	611	216
9202	3407	648	1362	841	623	218
9203	3558	954	1700	794	566	227
9204	3436	685	1380	839	627	212
9205	3427	840	1541	789	575	214
9206	3461	941	1620	768	561	207

Calculations using calculator (shown rounded to 1 decimal):

9201	826.6	610.8	215.8
9202	840.9	623.3	217.6
9203	793.7	566.3	227.4
9204	838.5	626.7	211.8
9205	788.5	574.9	213.7
9206	768.1	561.1	207

Metric Calculations Checksheet.xls

W. Sauer
1/15/02

1. Formula: $= (B1 - C1) * 0.3048$
2. Formula: $= (B1 - D1) * 0.3048$
3. Formula: $= (D1 - C1) * 0.3048$

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Consulting Geologist

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Fax: (915) 877-5071
Home: (915) 877-2417

Education

Ph.D., Geology, Princeton University (1980)
B.S., Geology, Iowa State University (1967)

Experience and Background

Technical:

Geological environments of viable Permian-age bacteria preserved in halite
Permian Dewey Lake Formation cements and isolated perched groundwater
Geological studies for realignment of New Mexico Highway 128 (for The Larkin Group)
Geostatistical analyses of pressurized brine reservoirs and hydrogeological controls, Waste Isolation Pilot Plant
Review, contribute to performance assessment (PA) scenarios and parameters, Waste Isolation Pilot Plant
Member of National Academy of Sciences panel reviewing Ward Valley (CA) LLRW disposal project
Evaluate historical compliance issues, revise Project Technical Baseline document for Waste Isolation Pilot Plant
Site selection, characterization of new landfill site, Carlsbad and Eddy County, NM; closeout and monitoring
program for Loving, NM, landfill site
Subsidence studies of potash mines for Waste Isolation Pilot Plant
Chairman, external review panel for the Yucca Mountain Project, reviewing tectonic and hydrologic concerns
Integrated studies of hydrogeology of the Permian Rustler Formation in southeastern New Mexico
Water table controls on evaporite deposition: Permian Salado Formation and Death Valley, CA
Shaft mapping (4 shafts) for the Waste Isolation Pilot Plant project east of Carlsbad, NM
Geological prospects for preserving viable bacteria in hostile environments (NASA)
Geology of Cenozoic volcanic sediments in Argentina for paleoenvironmental reconstruction and stratigraphy
Proprietary studies of frontier sulfur prospects in NM and other areas; consulting on evaporite brine sources
Geological investigations of Permian Castile, Salado, Rustler, and Dewey Lake Formations in the Delaware
Basin (USA) to determine depositional patterns and dissolution history
Sedimentological and geochemical studies of a modern evaporative playa, Salt Flat graben, west Texas (USA)
Geological and geophysical studies of the Waste Isolation Pilot Plant (WIPP) site from 1975 to 1980 as part of
site characterization for a repository for radioactive waste
Geological investigations of Mio-Pliocene sediments in the rift valley of northwestern Kenya
Geological studies and experience internationally; volcanic geology/mining experience, Topia, Durango, Mexico

Experience and Background, cont.

Management:

Start and manage consulting business (since 1988) with 1 full-time employee (1990).

Clients have included JOAB, Inc.; SAIC; IT Corporation; Westinghouse; Sandia National Laboratories; Mobil; Freeport McMoran; Gallegos Law Firm; The Larkin Group

Assistant Professor, Department of Geological Science, UTEP, 1983-1988: supervised contract work, research projects, and graduate theses.

Supervisor, Earth Sciences Division, Sandia National Laboratories (SNL), 1980-1983. Technical staff of eight with expertise in geology, geophysics, geochemistry, hydrology, modeling, structural geology, petrology. Annual budgets to about \$3M (US). Full technical and administrative responsibility.

Supervised a matrix group from SNL (1980-81) to select areas of crystalline rocks in the Lake Superior region that might be suitable for further characterization for radioactive waste disposal.

Represented Sandia geotechnical work on the WIPP to numerous groups such as the Governor's Task Force (NM), Environmental Evaluation Group (NM), Environmental Protection Agency, and both the WIPP Panel and the Committee on Radioactive Waste Management of the National Academy of Sciences.

Witness/Testimony:

Technical expertise, deposition for *Hartman in Hartman v. Texaco*

Testimony for NM Environment Department hearings on permit for Sand Point landfill, Carlsbad, NM

Technical expertise, rebuttal testimony for RCRA Permit Hearings by NM Environment Department for WIPP

Chronology:

Consultant (self-employed), 1988 to present.

Assistant Professor, Dept. Geological Science, University of Texas at El Paso, 1983-1988.

Supervisor, Earth Sciences Division, Sandia National Laboratories, from 1980 to 1983.

Member of Technical Staff, Sandia National Laboratories, 1975-1980.

Affiliations:

Geological Society of America (Fellow)

New Mexico Geological Society

SEPM (Society for Sedimentary Geology)

West Texas Geological Society

International Association of Sedimentologists (IAS)

Licensing/Registration:

Licensed Professional Geologist (Illinois), License No. 196-001032, expires 3/31/03

Other Professional Activities:

Past member of Environmental Subcommittee, West Texas Council of Governments evaluating proposed sites for low-level radioactive waste disposal for Texas

Corresponding Editor, *Journal of Sedimentary Research* (formerly *Journal of Sedimentary Petrology*)(1995-96)

Adjunct Professor, *Department of Geological Sciences*, New Mexico State University, Las Cruces, NM

PARTIAL LIST OF PUBLICATIONS

Journal Articles and Reviewed Publications/Documents:

- Powers, D.W., Vreeland, R.H., Rosenzweig, W.D., 2001, How old are bacteria from the Permian age?—Reply: *Nature*, v. 411, p. 155-156.
- Vreeland, R.H., Rosenzweig, W.D., and Powers, D.W., 2000, Isolation of a 250-million-year-old halotolerant bacterium from a primary salt crystal: *Nature*, v. 407, p. 897-900.
- Powers, D.W., and Holt, R.M., 2000, The salt that wasn't there: mudflat facies equivalents to halite of the Permian Rustler Formation, southeastern New Mexico: *Journal of Sedimentary Research*, v. 70, no. 1, p. 29-36.
- Powers, D.W., and Holt, R.M., 1999, The Los Medaños Member of the Permian Rustler Formation: *New Mexico Geology*, v. 21, no. 4, p. 97-103.
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- Powers, D.W., 1996, Tracing early breccia pipe studies, Waste Isolation Pilot Plant, southeastern New Mexico: A study of the documentation available and decision-making during the early years of WIPP: SAND94-0991, Sandia National Laboratories, Albuquerque, NM.
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- Powers, D.W., and Holt, R.M., 1993, The upper Cenozoic Gatuña Formation of southeastern New Mexico, in John W. Hawley and others, eds., *Geology of the Carlsbad Region, New Mexico and West Texas: 44th NMGS Fall Field Conference Guidebook*, New Mexico Geological Society, Socorro, NM, p. 271-282.
- Holt, R.M., and Powers, D.W., 1993, Summary of Delaware Basin end-stage deposits, in D. W. Love and others, eds., *Carlsbad Region, New Mexico and West Texas: 44th NMGS Fall Field Conference Guidebook*, New Mexico Geological Society, Socorro, NM, p. 90-92.
- Powers, D.W., and Martin, M.L., 1993, A select bibliography with abstracts of reports related to Waste Isolation Pilot Plant (WIPP) geotechnical studies (1972 - 1990): SAND92-7277, Sandia National Laboratories, Albuquerque, NM, 501 p.
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- Holt, R.M., and Powers, D.W., 1988, Facies variability and post-depositional alteration within the Rustler Formation in the vicinity of the Waste Isolation Pilot Plant, southeastern New Mexico: WIPP-DOE- 88-004, Department of Energy, Carlsbad, NM, 88221.
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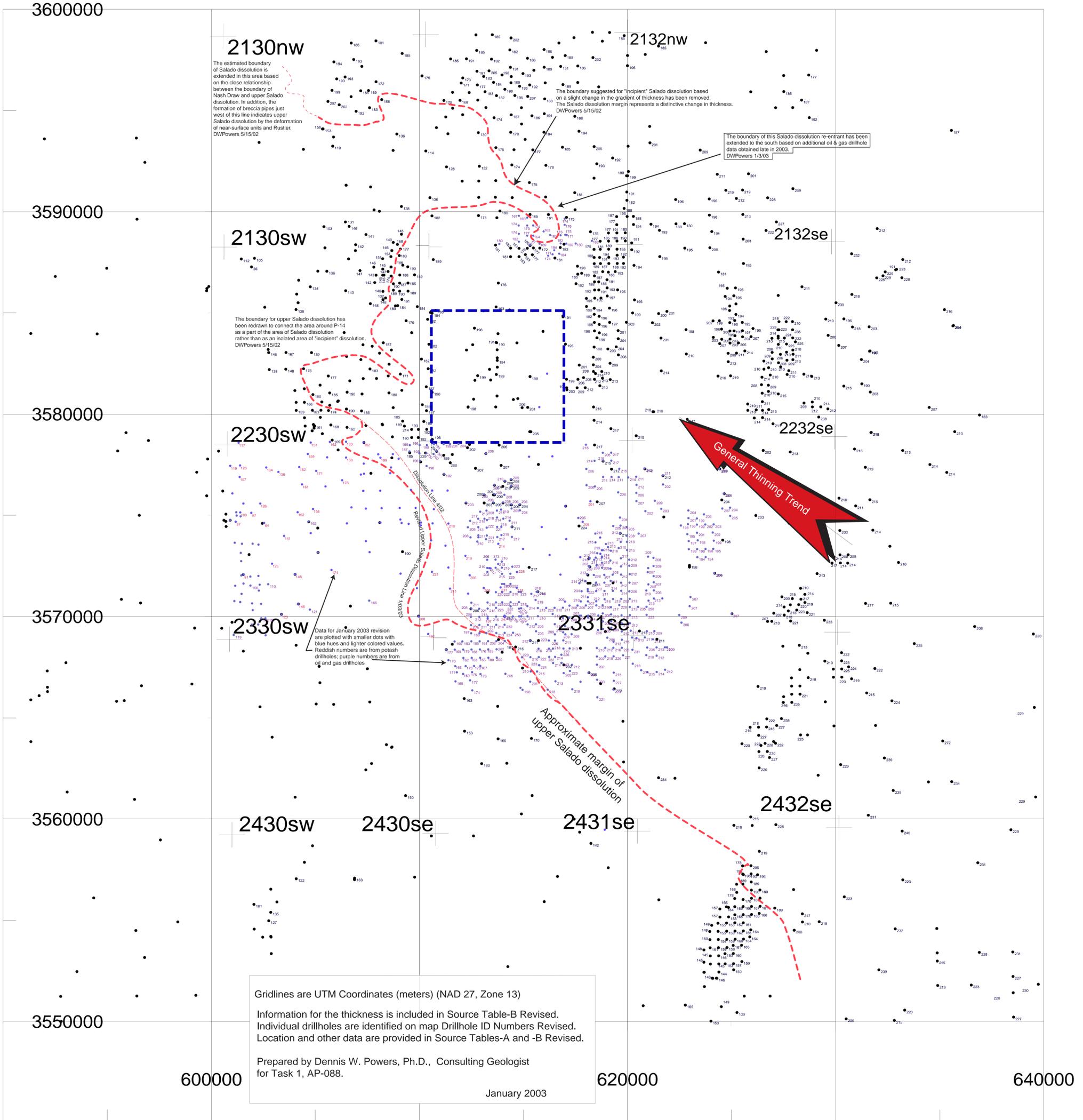
+ numerous abstracts and formal presentations at professional meetings, public hearings

+ proprietary reports to sulfur companies on frontier prospect areas.

+ contributed to and edited 23 additional reviewed drillhole basic data reports (BDR) from Sandia National Laboratories; limited listing of individual authors:

BDR - ERDA 6	SAND79-0267	BDR - WIPP 21	SAND79-0277
BDR - AEC 7	SAND79-0268	BDR - WIPP 22	SAND79-0278
BDR - AEC 8	SAND79-0269	BDR - WIPP 25	SAND79-0279
BDR - ERDA 9	SAND79-0270	BDR - WIPP 26	SAND79-0280
BDR - ERDA 10	SAND79-0271	BDR - WIPP 27	SAND79-0281
BDR - WIPP 11	SAND79-0272	BDR - WIPP 28	SAND79-0282
BDR - WIPP 13	SAND79-0273	BDR - WIPP 29	SAND79-0283
BDR - WIPP 13	SAND82-1880	BDR - WIPP 30	SAND79-0284
BDR - WIPP 14	SAND82-1783	BDR - WIPP 32	SAND80-1102
BDR - WIPP 15	SAND79-0274	BDR - WIPP 33	SAND80-2011
BDR - WIPP 18	SAND79-0275	BDR - WIPP 34	SAND81-2643
BDR - WIPP 19	SAND79-0276		

Culebra T Field Data Revised
 Thickness from
 Top of Culebra to Base of Vaca Triste (m)
 Used to assist in estimating boundary of Salado dissolution



A
Southwest

Geophysical Log Cross-section A-A' in the Vicinity of H-9 Illustrating Dissolution of the Upper Salado Formation

A'
Northeast

9329

9305

9372

9345

9253

9251

9367

9355

9330

Strong dissolution
of upper Salado

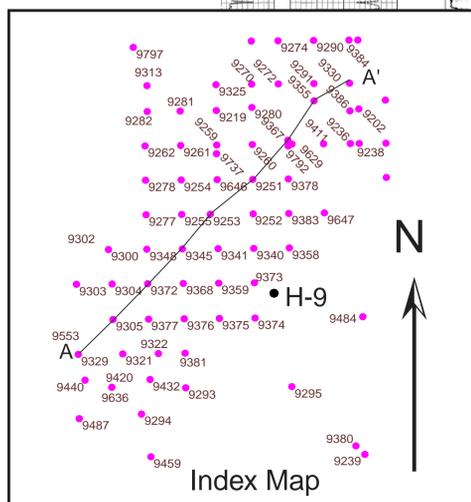
Slight dissolution
of upper Salado

top of Rustler

base of Rustler,
top of Salado

Vaca Triste

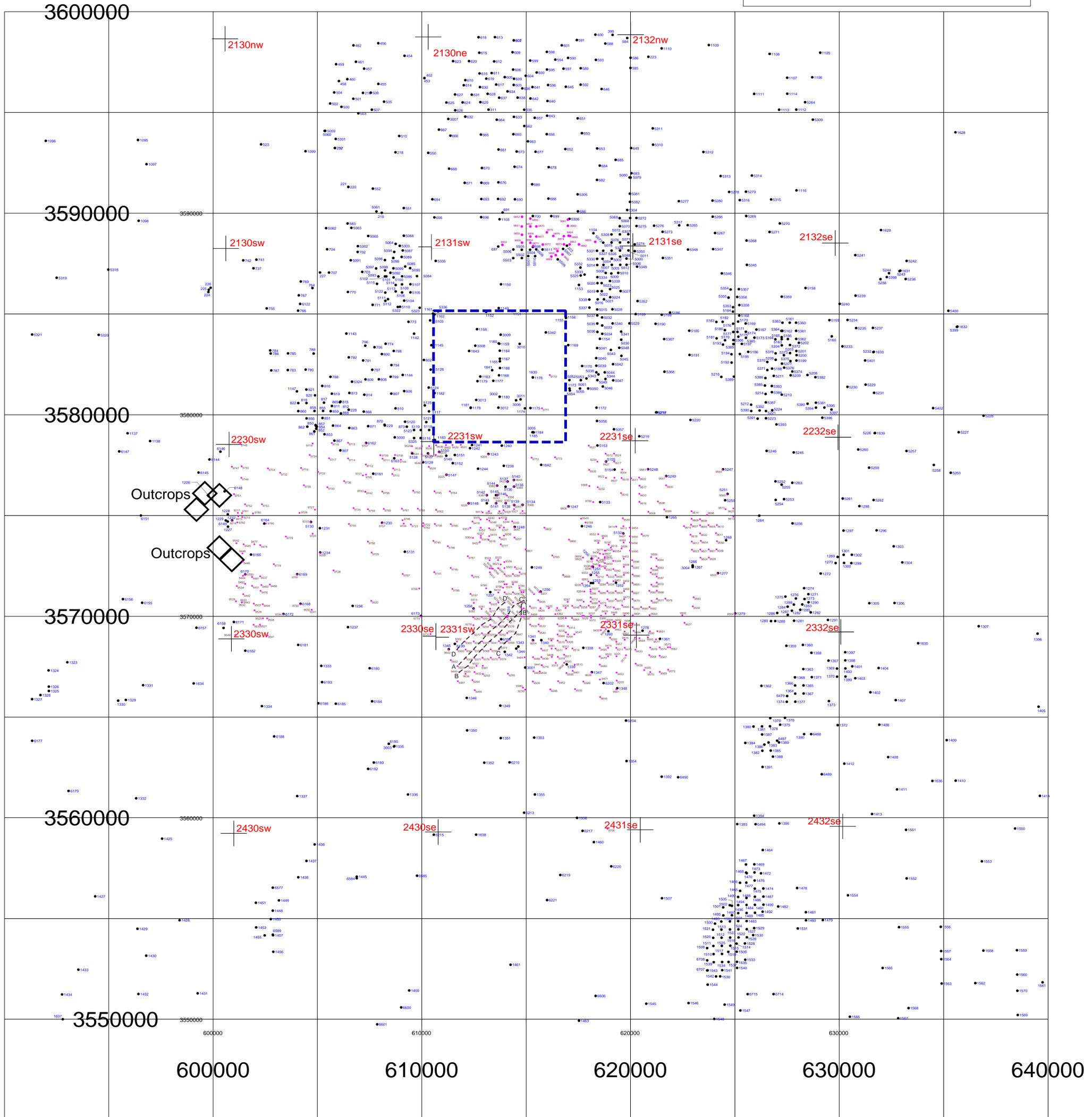
Culebra base



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January, 2003

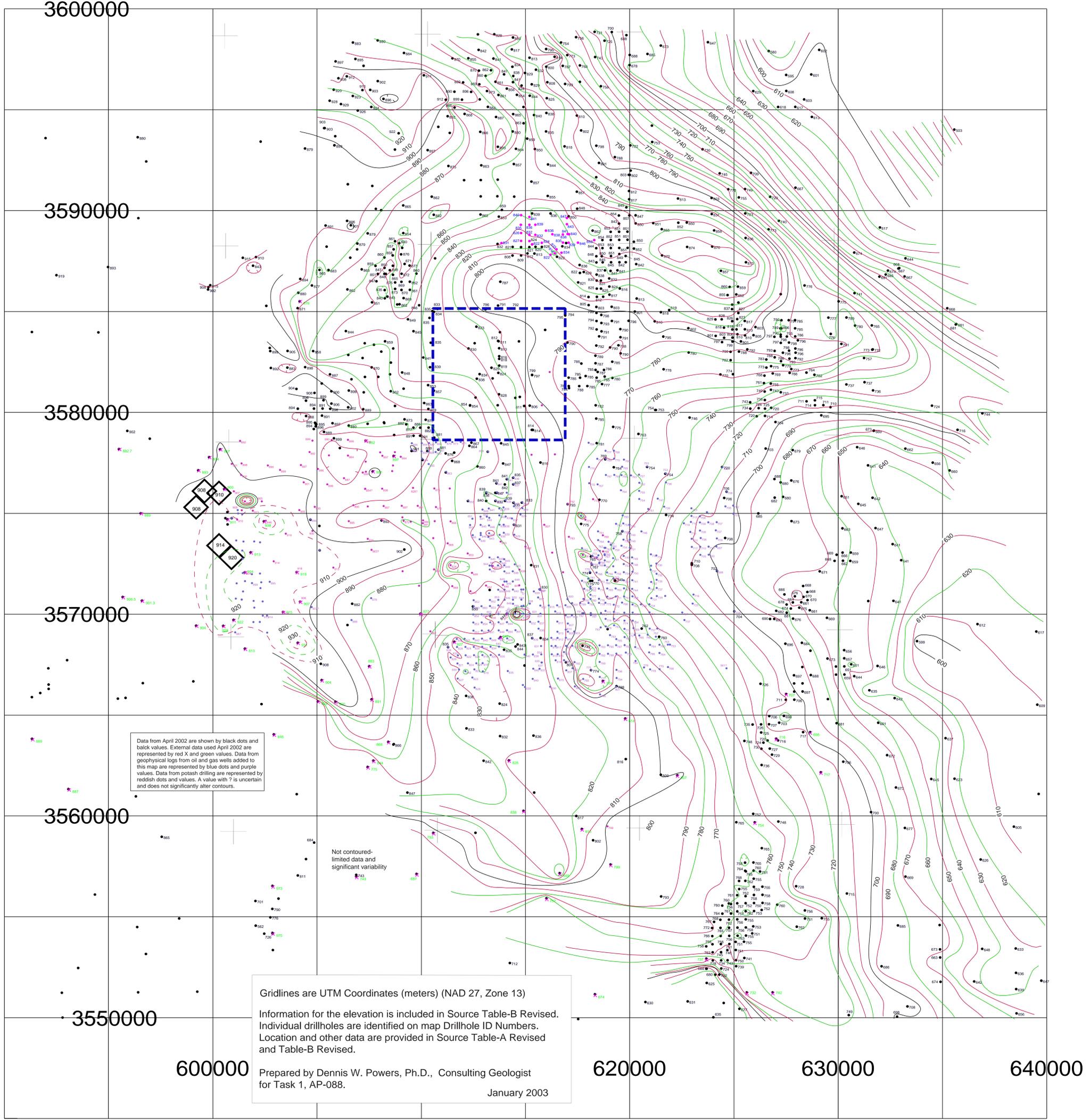
Culebra T Field Data Drillhole ID Numbers

Prepared by Dennis W. Powers, Ph.D., Consulting Geologist
for Addendum 2 of Task 1, AP-088
Location and other data for drillholes are available in Source
Table-A Revised and Source Table-B included in the addendum.
January 2003



Culebra T Field Data

Elevation of Top of Culebra (m amsl)

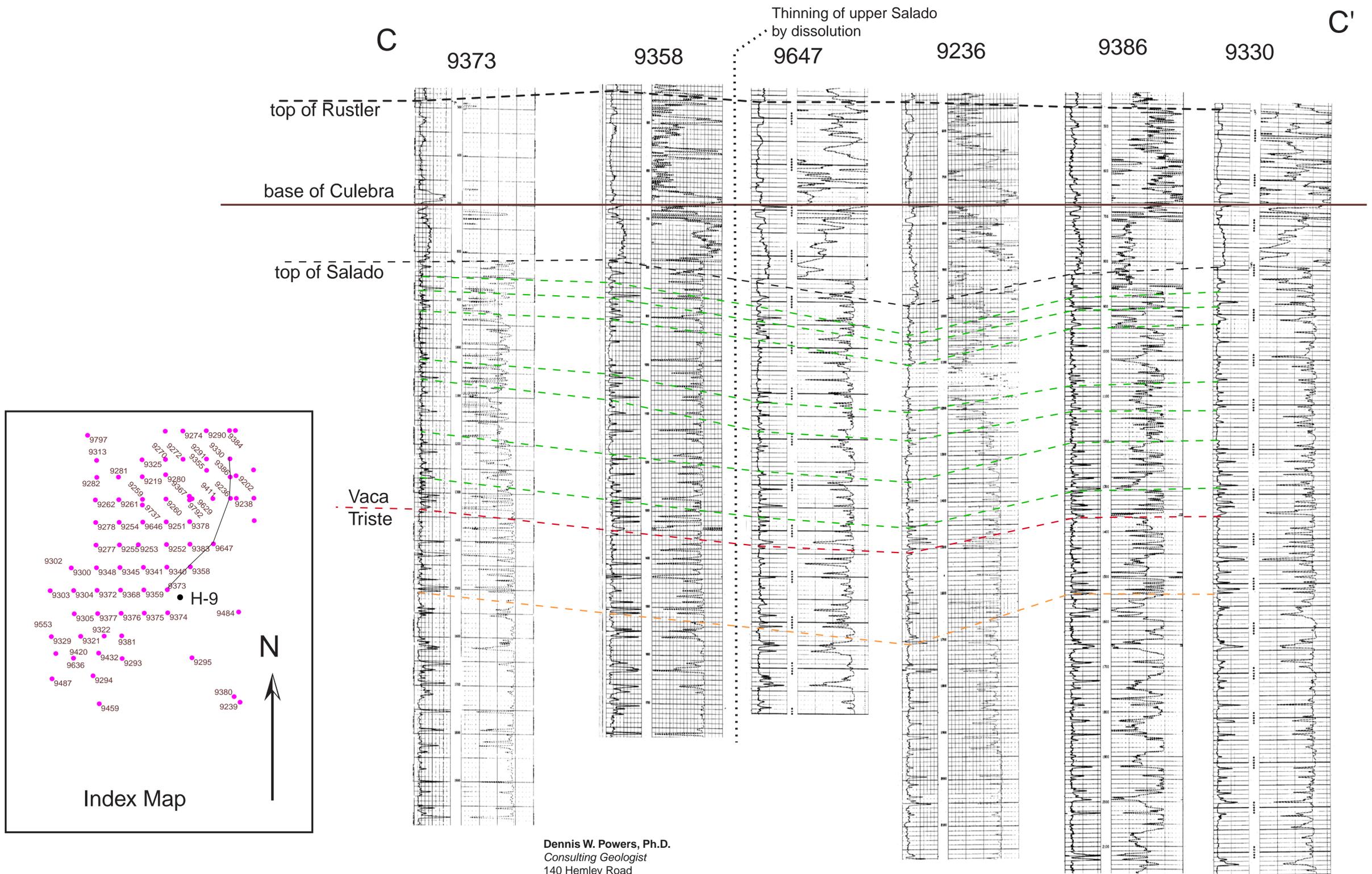


Data from April 2002 are shown by black dots and black values. External data used April 2002 are represented by red X and green values. Data from geophysical logs from oil and gas wells added to this map are represented by blue dots and purple values. Data from potash drilling are represented by reddish dots and values. A value with ? is uncertain and does not significantly alter contours.

Not contoured-limited data and significant variability

Gridlines are UTM Coordinates (meters) (NAD 27, Zone 13)
 Information for the elevation is included in Source Table-B Revised. Individual drillholes are identified on map Drillhole ID Numbers. Location and other data are provided in Source Table-A Revised and Table-B Revised.
 Prepared by Dennis W. Powers, Ph.D., Consulting Geologist for Task 1, AP-088.
 January 2003

Geophysical Log Cross-section C-C' in the Vicinity of H-9 Illustrating Dissolution of the Upper Salado Formation



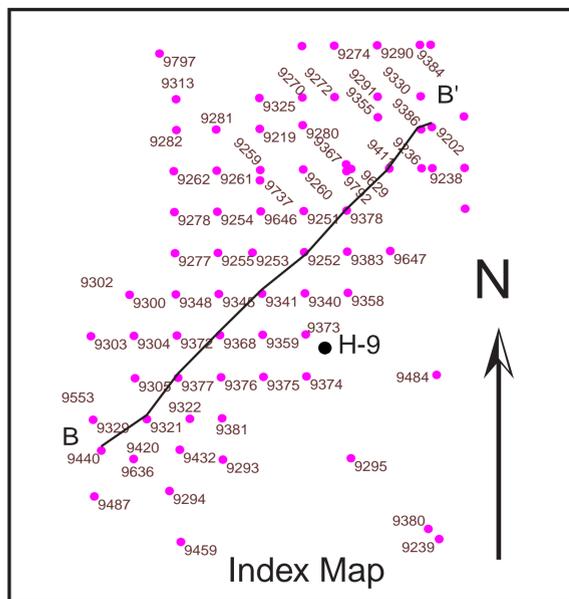
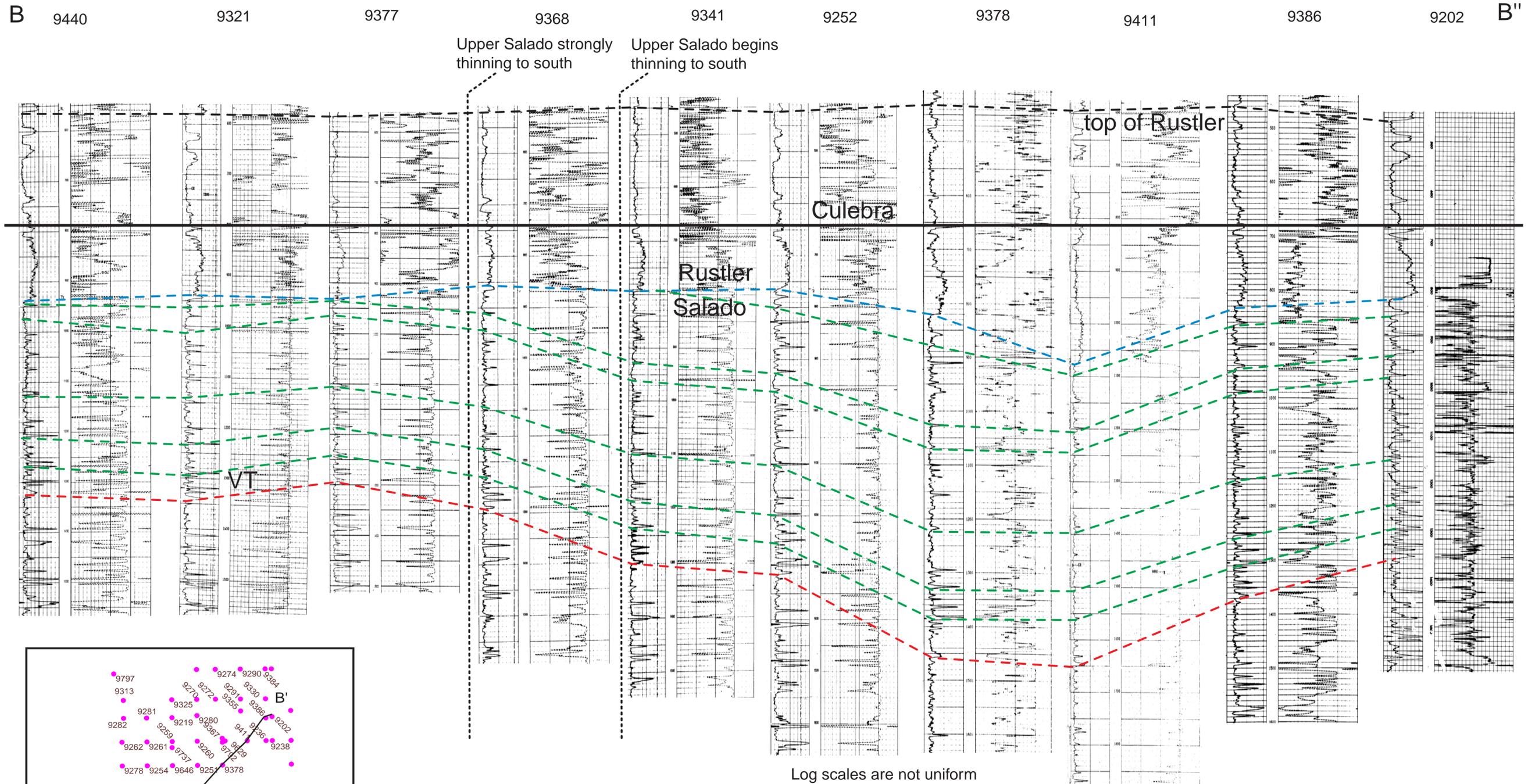
Logs not uniformly scaled

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Geophysical Log Cross-section B-B' in the Vicinity of H-9 Illustrating Dissolution of the Upper Salado Formation

Southwest
~sec 5, T24S, R31E

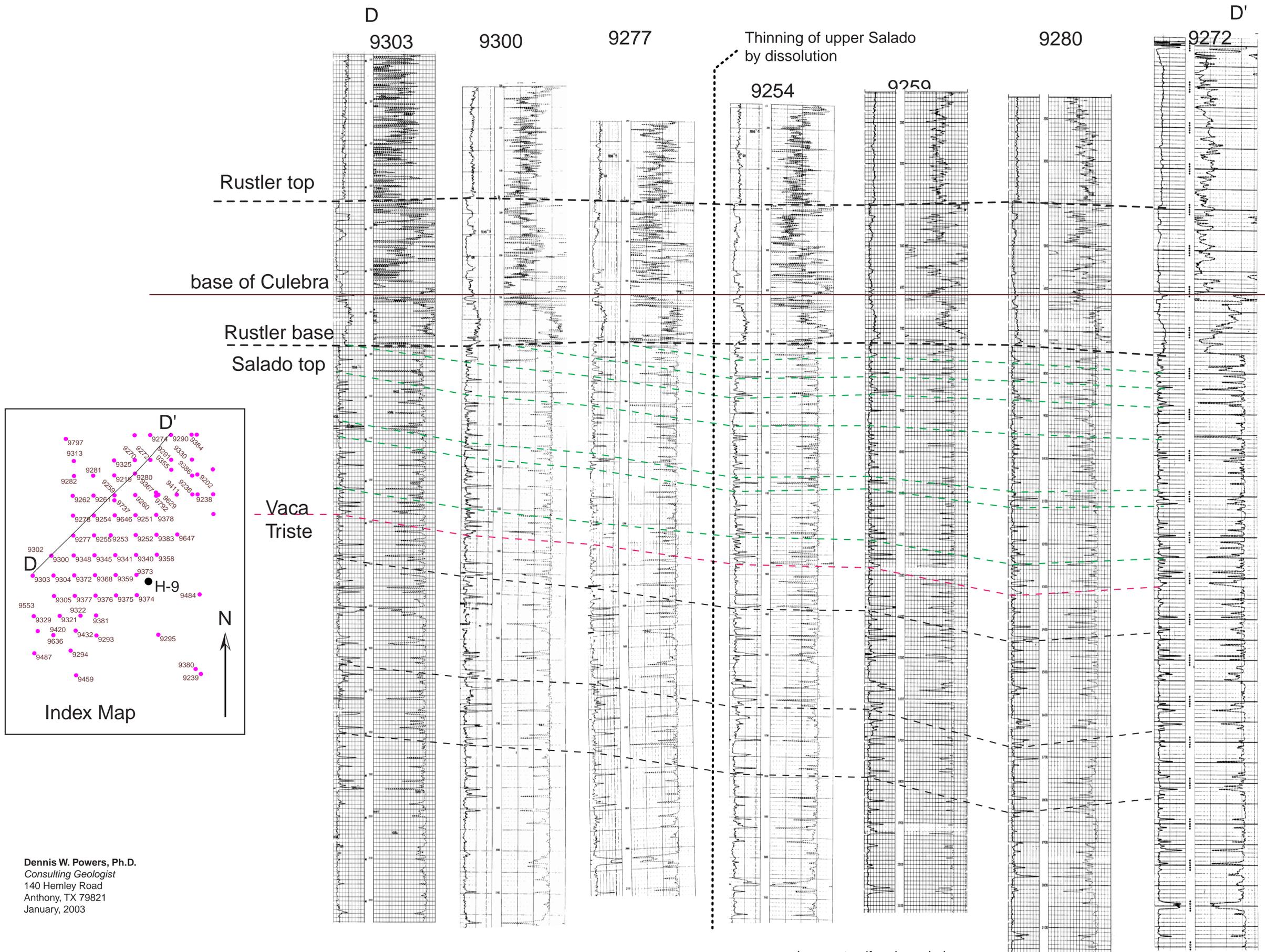
Northeast
~sec 33, T23S, R31E



Cross-section B-B' runs through anomalously thick Culebra-VT interval with downdropped Culebra at 9411.

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Geophysical Log Cross-section D-D' in the Vicinity of H-9 Illustrating Dissolution of the Upper Salado Formation



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