

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

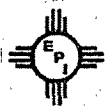
WTR  
60

|                                                                                                                                                                                               |  |  |                           |  |  |                                                                                           |  |  |                                                                                                             |  |  |                         |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------|--|--|-------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------|--|--|-------------------------|--|--|
| Operator: Chevron USA (O-Grid #4323)                                                                                                                                                          |  |  | Telephone: 505-394-1237   |  |  | e-mail address: lcwl@chevron.com                                                          |  |  |                                                                                                             |  |  |                         |  |  |
| Address: PO Box 1949 2401 Avenue O Eunice, New Mexico 88231                                                                                                                                   |  |  |                           |  |  |                                                                                           |  |  |                                                                                                             |  |  |                         |  |  |
| Facility or well name: CDU #434                                                                                                                                                               |  |  | API #: 3002537805         |  |  | Unit Letter (UL): B                                                                       |  |  | Qtr/Qtr: NW¼ NE¼                                                                                            |  |  | Section: 28, T21S, R37E |  |  |
| County: Lea                                                                                                                                                                                   |  |  | Latitude: N 32° 27' 21.2" |  |  | Longitude: W 103° 10' 1.14"                                                               |  |  | NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/> WGS 84 <input checked="" type="checkbox"/> |  |  |                         |  |  |
| Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> (Tom Kennann) Indian <input type="checkbox"/>                      |  |  |                           |  |  |                                                                                           |  |  |                                                                                                             |  |  |                         |  |  |
| <b>Pit</b>                                                                                                                                                                                    |  |  |                           |  |  | <b>Below-grade tank</b>                                                                   |  |  |                                                                                                             |  |  |                         |  |  |
| Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> |  |  |                           |  |  | Volume: bbl Type of fluid:                                                                |  |  |                                                                                                             |  |  |                         |  |  |
| Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/>                                                                                                                    |  |  |                           |  |  | Construction material:                                                                    |  |  |                                                                                                             |  |  |                         |  |  |
| Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 20 mil Clay <input type="checkbox"/>                                                                                      |  |  |                           |  |  | Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. |  |  |                                                                                                             |  |  |                         |  |  |
| Pit Volume: ~3,000 bbl                                                                                                                                                                        |  |  |                           |  |  |                                                                                           |  |  |                                                                                                             |  |  |                         |  |  |
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) ~70' bgs                                                                       |  |  |                           |  |  | Less than 50 feet                                                                         |  |  | (20 points) <input type="checkbox"/>                                                                        |  |  |                         |  |  |
|                                                                                                                                                                                               |  |  |                           |  |  | 50 feet or more, but less than 100 feet                                                   |  |  | (10 points) <input checked="" type="checkbox"/>                                                             |  |  |                         |  |  |
|                                                                                                                                                                                               |  |  |                           |  |  | 100 feet or more                                                                          |  |  | (0 points) <input type="checkbox"/>                                                                         |  |  |                         |  |  |
| Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)                                                     |  |  |                           |  |  | Yes                                                                                       |  |  | (20 points) <input type="checkbox"/>                                                                        |  |  |                         |  |  |
|                                                                                                                                                                                               |  |  |                           |  |  | No                                                                                        |  |  | (0 points) <input checked="" type="checkbox"/>                                                              |  |  |                         |  |  |
| Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)                                               |  |  |                           |  |  | Less than 200 feet                                                                        |  |  | (20 points) <input type="checkbox"/>                                                                        |  |  |                         |  |  |
|                                                                                                                                                                                               |  |  |                           |  |  | 200 feet or more, but less than 1,000 feet                                                |  |  | (10 points) <input type="checkbox"/>                                                                        |  |  |                         |  |  |
|                                                                                                                                                                                               |  |  |                           |  |  | 1,000 feet or more                                                                        |  |  | (0 points) <input checked="" type="checkbox"/>                                                              |  |  |                         |  |  |
| <b>Ranking Score (Total Points)</b>                                                                                                                                                           |  |  |                           |  |  | <b>10+0+0=10</b>                                                                          |  |  |                                                                                                             |  |  |                         |  |  |

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Additional Comments: It is proposed to close this pit consistent with the "ChevronTexaco Drilling and Reserve Pit Closure General Plan, December 2004" and the NMOCD Pit and Below-Grade Tank Guidelines, November 1, 2004 as promulgated under NMOCD Rule 50 (19.15.2.50 NMAC).                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Pit Status: Liner intact <input checked="" type="checkbox"/> Liner punctured or torn <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Method of Closure: The pit will be closed via encapsulation, which consists of mixing earthen materials with the pit contents, as necessary to stiffen the pit contents sufficiently to provide physical stability and support a pit cover. Upon the pit contents being stiffened as required, the edges of the liner will be folded over the edges of the stiffened mud and cuttings and the pit covered with a 20-mil thick impervious, reinforced synthetic polyethylene liner meeting ASTM standards designed to be resistant to the material encapsulated. The liner will then be covered with a minimum of three feet of clean soil or like material capable of supporting native plant growth. |  |

|                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank will be closed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . |                                                  |                        |
| Date: 10-24-06                                                                                                                                                                                                                                                                                                                                                                                  | Printed Name/Title: Billy Anderson, HES Champion | Signature: [Signature] |
| Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.                     |                                                  |                        |
| Approval:                                                                                                                                                                                                                                                                                                                                                                                       |                                                  |                        |
| Printed Name/Title: L. JOHNSON - ENVIRONMENTAL ENGINEER                                                                                                                                                                                                                                                                                                                                         |                                                  | Signature: [Signature] |
|                                                                                                                                                                                                                                                                                                                                                                                                 |                                                  | Date: 10-26-06         |



**ENVIRONMENTAL PLUS, INC.**  
CONSULTING AND REMEDIAL CONSTRUCTION

11 October 2006

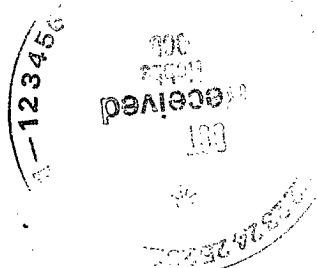
Mr. Larry Johnson, Environmental Engineer  
New Mexico Energy, Minerals and Natural Resources Department  
Oil Conservation Division Environmental Bureau  
1625 North French  
Hobbs, New Mexico 88240

Re: Initial C-144  
Chevron USA (O-Grid #4323)  
CDU #434 (Ref. #200104)  
UL-B, Section 28, Township 21 South, Range 37 East

Dear Mr. Johnson:

Environmental Plus, Inc., on behalf of Chevron USA (Chevron), submits the enclosed New Mexico Oil Conservation Division (NMOCD) Form C-144 and supporting information. Chevron proposes to close the drill pit at the above-referenced well site in accordance with the NMOCD Pit and Below-Grade Tank Guidelines, November 1, 2004 and the "ChevronTexaco Drilling and Reserve Pit Closure General Plan, December 2004." Please direct all official communications to:

Chevron USA  
Larry Williams, HES Champion  
P.O. Box 1949  
Eunice, New Mexico 88231  
Telephone: 505-394-1237  
Email: [lcwl@chevron.com](mailto:lcwl@chevron.com)



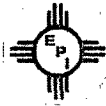
Should you have any questions or concerns, please call me at (505) 394-3481. Mr. Larry Williams can be contacted at (505) 394-1237 or via e-mail at [lcwl@chevron.com](mailto:lcwl@chevron.com).

Sincerely,

ENVIRONMENTAL PLUS, INC.

Pat McCasland  
Senior Consultant

ENVIRONMENTAL PLUS, INC.



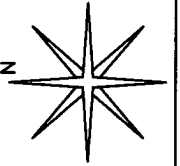
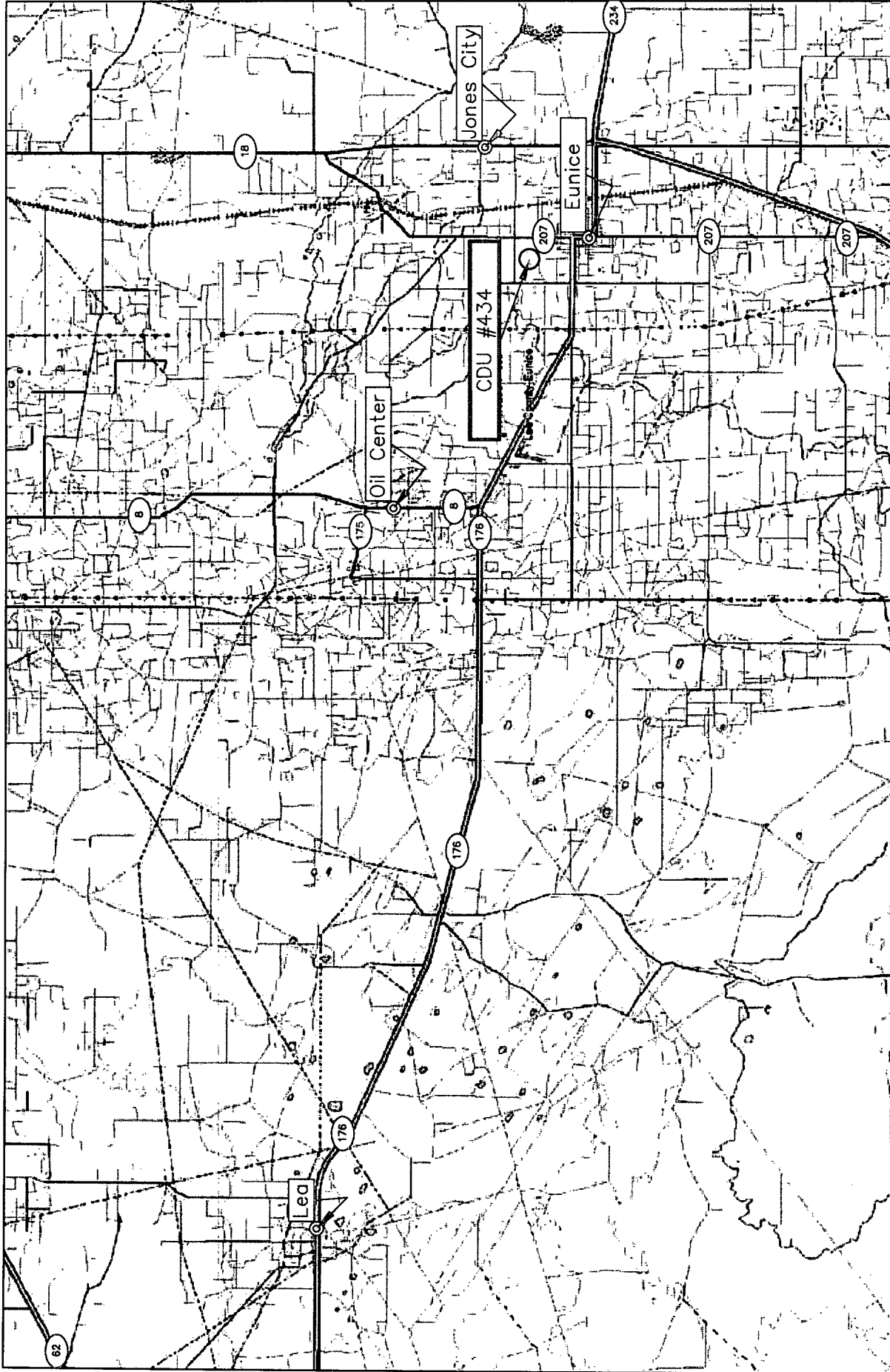
**ENVIRONMENTAL PLUS, INC.**  
CONSULTING AND REMEDIAL CONSTRUCTION

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cc: Larry Williams, Chevron USA  
Nathan Mouser, Chevron USA  
Tom Kennann, Landowner  
File

Enclosures: Topographical Map  
Site Location Map  
Site Map  
Groundwater Map  
Well Data Table  
Photographs  
NMOCD Form C-144

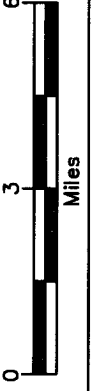
ENVIRONMENTAL PLUS, INC.



REVISED:

DWG By: Daniel Dominguez  
October 2006

SHEET  
1 of 1



Lea County, New Mexico  
NW 1/4 of the NE 1/4, Sec. 28, T21S, R37E  
N 32° 27' 21.2" W 103° 10' 1.14"  
Elevation: 3,455 feet amsl

Figure 1  
Area Map  
Chevron Corporation  
CDU #434

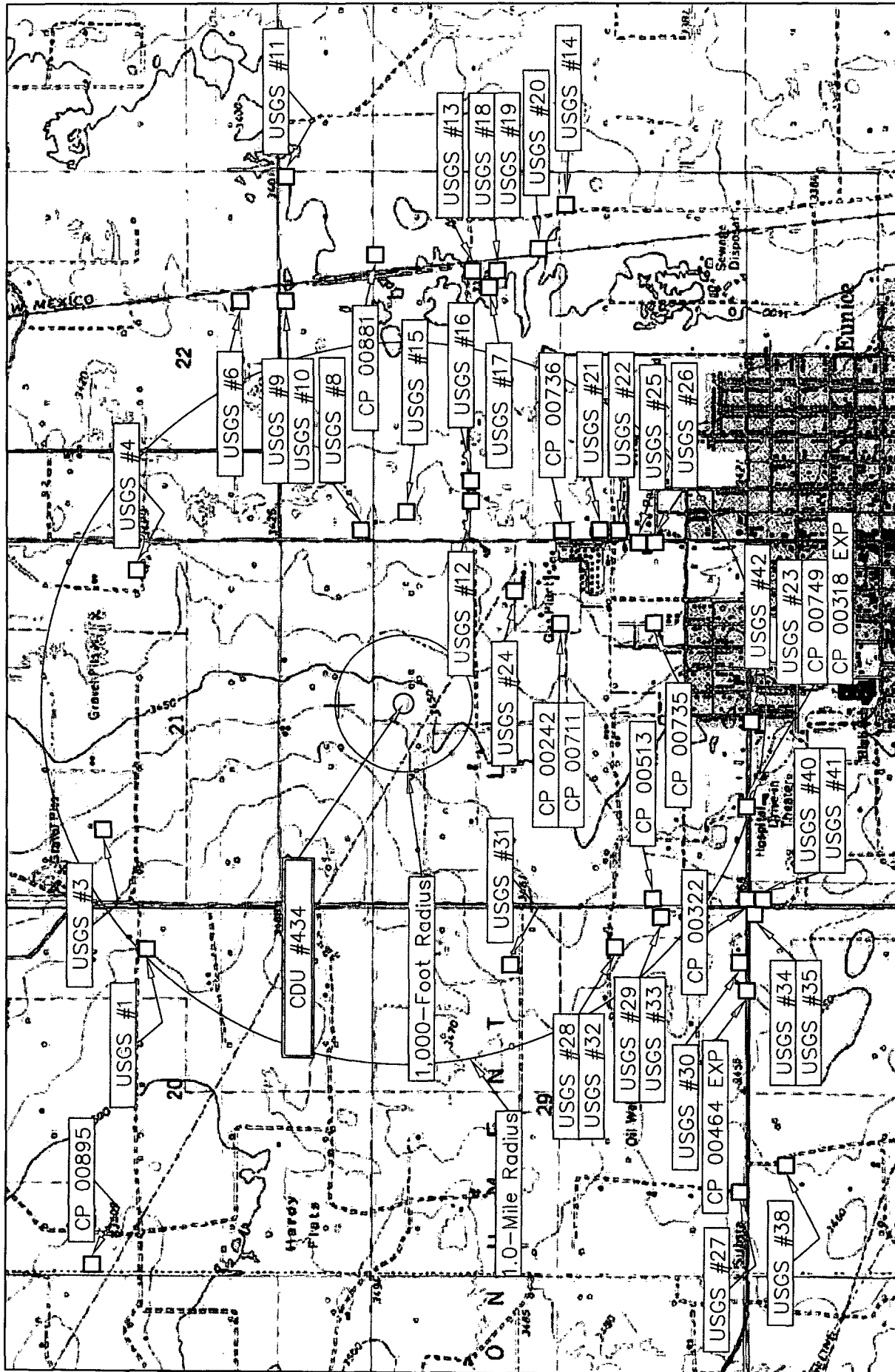


Figure 2  
Site Location Map  
Chevron Corporation  
CDU #434

Lea County, New Mexico  
NW 1/4 of the NE 1/4, Sec. 28, T21S, R37E  
N 32° 27' 21.2" W 103° 10' 1.14"  
Elevation: 3,455 feet amsl

DWG By: Daniel Dominguez  
October 2006

REVISED:

0 2,000 4,000 Feet  
SHEET 1 of 1

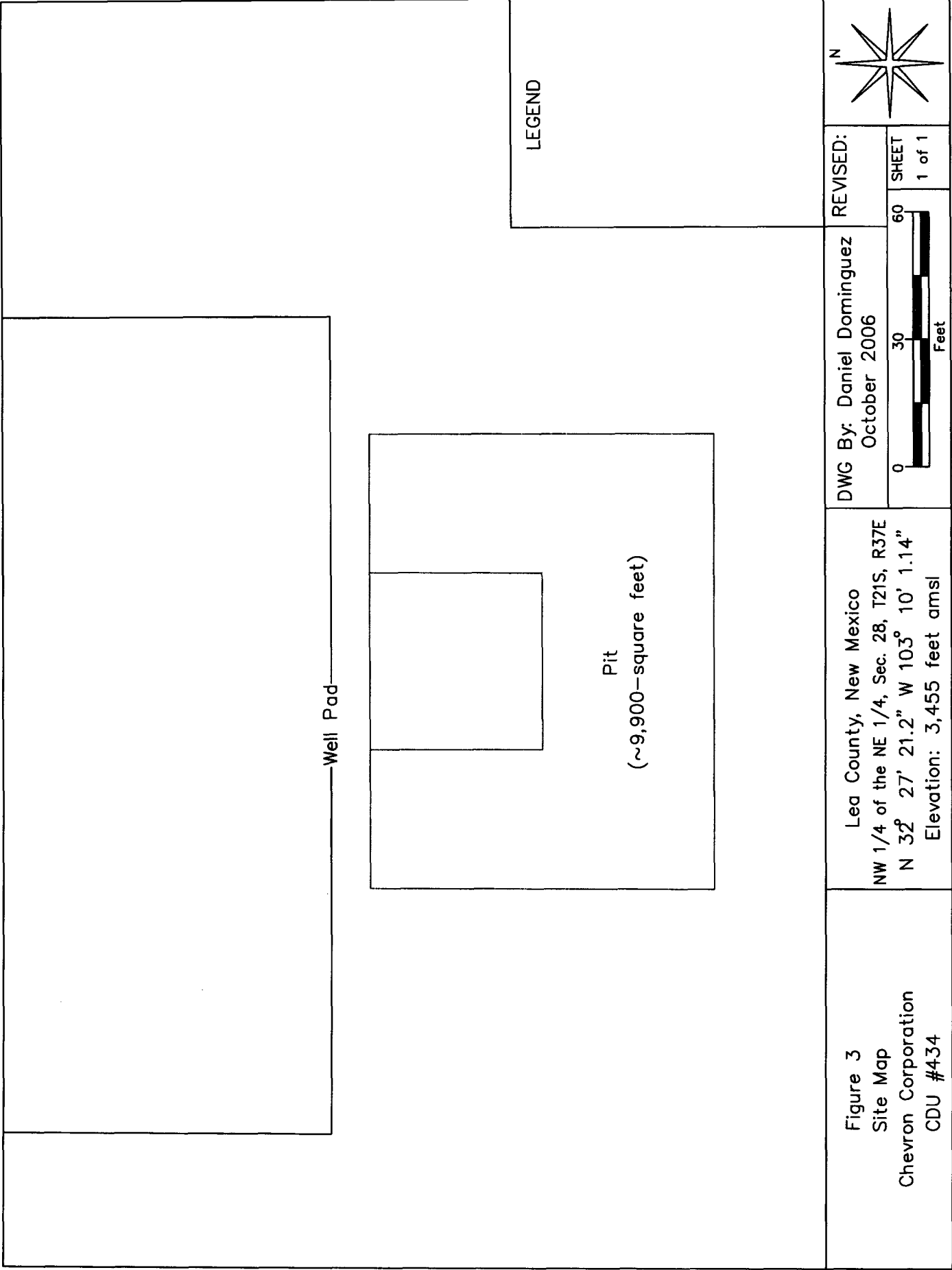


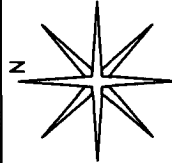
Figure 3  
Site Map  
Chevron Corporation  
CDU #434

Lea County, New Mexico  
NW 1/4 of the NE 1/4, Sec. 28, T21S, R37E  
N 32° 27' 21.2" W 103° 10' 1.14"  
Elevation: 3,455 feet amsl

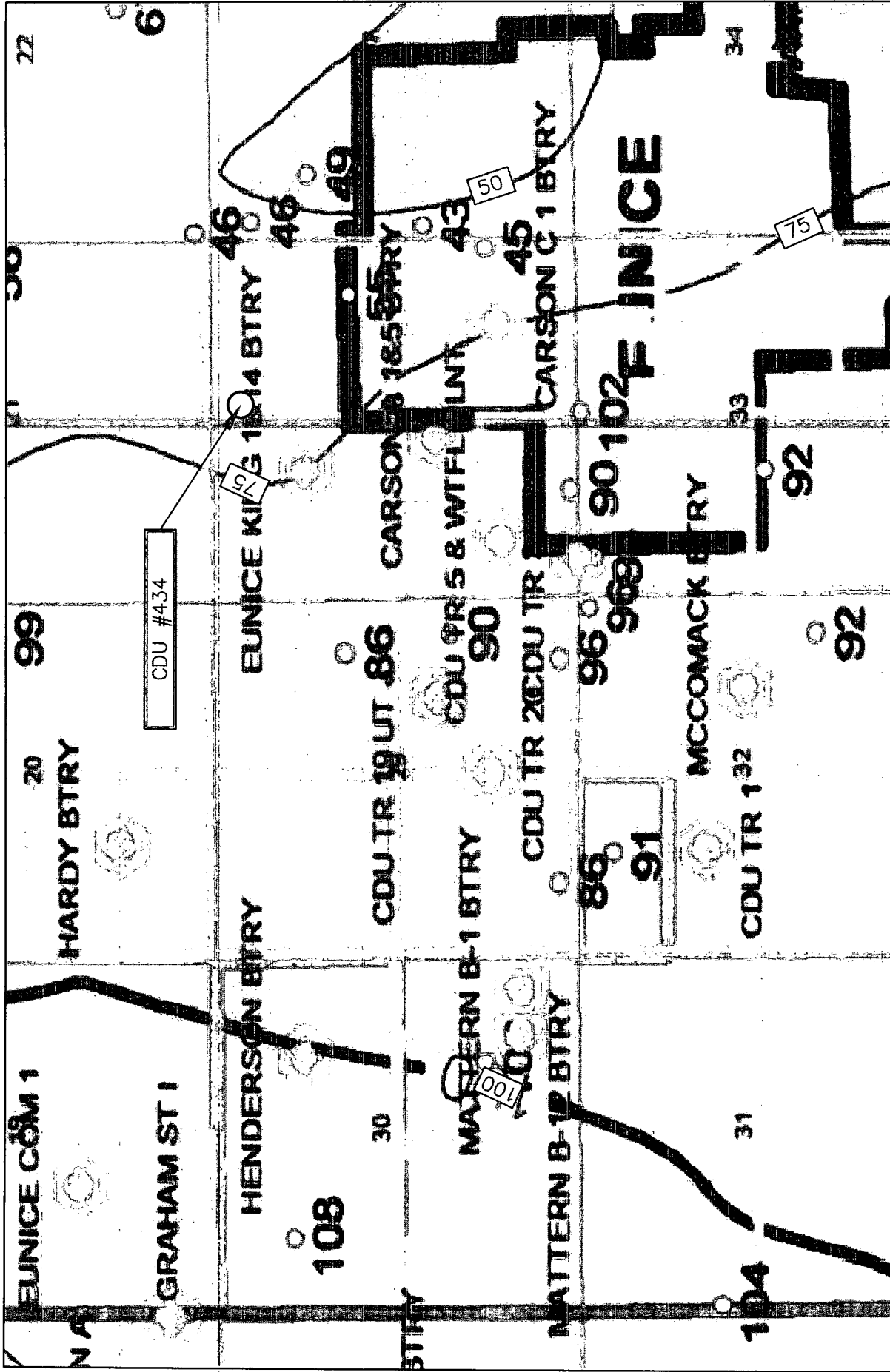
DWG By: Daniel Dominguez  
October 2006

REVISED:

0 30 60 Feet  
SHEET  
1 of 1



LEGEND



|                                                                          |                                                                                                                                                 |                                                                                                                |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <p>Figure 4<br/>Groundwater Map<br/>Chevron Corporation<br/>CDU #434</p> | <p>Lea County, New Mexico<br/>NW 1/4 of the NE 1/4, Sec. 28, T21S, R37E<br/>N 32° 27' 21.2" W 103° 10' 1.14"<br/>Elevation: 3,455 feet amsl</p> | <p>DWG By: Daniel Dominguez<br/>October 2006</p> <p>REVISID:</p> <p>0 2,000 4,000 Feet</p> <p>SHEET 1 of 1</p> |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

TABLE 1

## WELL INFORMATION REPORT\*

Chevron USA - CDU #434 (Ref #200104)

| Well Number  | Diversion <sup>A</sup> | Owner                         | Use | Twsp | Rng | Sec q q q | Latitude        | Longitude        | Date Measured | Surface Elevation <sup>B</sup> | Depth to Water (ft bgs) |
|--------------|------------------------|-------------------------------|-----|------|-----|-----------|-----------------|------------------|---------------|--------------------------------|-------------------------|
| CP 00242     | 96                     | VERSADO GAS PROCESSORS LLC    | IND | 21S  | 37E | 28 2 4 3  | N32° 26' 59.02" | W103° 09' 47.52" | 31-Dec-64     | 3,439                          |                         |
| CP 00318 EXP | 0                      | MCCASLAND HOT OIL SERVICE INC | SAN | 21S  | 37E | 28 3 4    | N32° 26' 32.92" | W103° 10' 18.29" |               | 3,465                          |                         |
| CP 00322     | 3                      | MILLARD DECK                  | DOM | 21S  | 37E | 28 3      | N32° 26' 32.92" | W103° 10' 33.69" | 10-Jun-66     | 3,475                          | 73                      |
| CP 00513     | 0                      | CORPORATION GULF OIL          | SRO | 21S  | 37E | 28 3 1 3  | N32° 26' 45.98" | W103° 10' 33.70" |               | 3,471                          |                         |
| CP 00711     | 3                      | FLOYD G. BLOCK                | DOM | 21S  | 37E | 28 2 4    | N32° 26' 59.02" | W103° 09' 47.52" | 02-Oct-87     | 3,439                          | 65                      |
| CP 00735     | 3                      | CHARLES W. JENNINGS           | DOM | 21S  | 37E | 28 4 2    | N32° 26' 45.97" | W103° 09' 47.51" | 27-Jul-88     | 3,435                          |                         |
| CP 00749     | 3                      | D.M. CRISWELL                 | DOM | 21S  | 37E | 28 3 4 2  | N32° 26' 32.92" | W103° 10' 33.69" | 22-Jun-90     | 3,475                          | 75                      |
| CP 00895     | 3                      | JOE R. SIMS                   | DOM | 21S  | 37E | 20 1 1    | N32° 28' 4.45"  | W103° 11' 35.34" | 17-Mar-00     | 3,517                          |                         |
| CP 00881     | 3                      | RICHARD DON JONES             | DOM | 21S  | 37E | 22 4 4 3  | N32° 27' 25.16" | W103° 08' 45.99" | 07-Sep-99     | 3,399                          | 53                      |
| CP 00736     | 3                      | RONALD K. WORDEN              | DOM | 21S  | 37E | 27 1 3    | N32° 26' 59.02" | W103° 09' 32.12" | 10-Sep-88     | 3,421                          | 76                      |
| CP 00464 EXP | 0                      | EUGENE WINKER                 | DOM | 21S  | 37E | 29 4 4 4  | N32° 26' 32.94" | W103° 10' 49.08" |               | 3,466                          |                         |
| USGS #1      |                        |                               |     | 21S  | 37E | 20 2 4 4  |                 |                  | 06-Mar-96     |                                | 98.69                   |
| USGS #3      |                        |                               |     | 21S  | 37E | 21 1 3 2  |                 |                  | 10-Dec-70     |                                | 80.12                   |
| USGS #4      |                        |                               |     | 21S  | 37E | 21 2 4 2  |                 |                  | 25-Apr-91     |                                | 56.11                   |
| USGS #6      |                        |                               |     | 21S  | 37E | 22 4 1 4  |                 |                  | 27-Jan-76     |                                | 68.83                   |
| USGS #8      |                        |                               |     | 21S  | 37E | 22 3 3 3  |                 |                  | 17-Apr-91     |                                | 46.1                    |
| USGS #9      |                        |                               |     | 21S  | 37E | 22 4 3 2  |                 |                  | 19-Apr-77     |                                | 66.62                   |
| USGS #10     |                        |                               |     | 21S  | 37E | 22 4 3 2  |                 |                  | 27-Jan-76     |                                | 66.73                   |
| USGS #11     |                        |                               |     | 21S  | 37E | 22 4 4 2  |                 |                  | 17-Apr-91     |                                | 58.61                   |
| USGS #12     |                        |                               |     | 21S  | 37E | 27 1 3 1  |                 |                  | 20-Jan-76     |                                | 46.93                   |
| USGS #13     |                        |                               |     | 21S  | 37E | 27 2 3 2  |                 |                  | 08-Feb-96     |                                | 49.81                   |
| USGS #14     |                        |                               |     | 21S  | 37E | 27 4 2 2  |                 |                  | 20-Jan-76     |                                | 57.21                   |
| USGS #15     |                        |                               |     | 21S  | 37E | 27 1 1 1  |                 |                  | 21-Jan-76     |                                | 46.18                   |
| USGS #16     |                        |                               |     | 21S  | 37E | 27 1 3 2  |                 |                  | 01-Jul-77     |                                | 49.27                   |
| USGS #17     |                        |                               |     | 21S  | 37E | 27 2 3 2  |                 |                  | 01-Aug-52     |                                | 69                      |
| USGS #18     |                        |                               |     | 21S  | 37E | 27 2 3 2  |                 |                  | 20-Jan-76     |                                | 61.49                   |
| USGS #19     |                        |                               |     | 21S  | 37E | 27 2 4 1  |                 |                  | 20-Jan-76     |                                | 60.87                   |
| USGS #20     |                        |                               |     | 21S  | 37E | 27 2 4 3  |                 |                  | 20-Jan-76     |                                | 60.63                   |
| USGS #21     |                        |                               |     | 21S  | 37E | 27 3 1 1  |                 |                  | 21-Jan-76     |                                | 42.51                   |
| USGS #22     |                        |                               |     | 21S  | 37E | 27 3 1 3  |                 |                  | 17-Nov-65     |                                | 54                      |
| USGS #23     |                        |                               |     | 21S  | 37E | 28 3 4 3  |                 |                  | 21-Jan-76     |                                | 89.75                   |
| USGS #24     |                        |                               |     | 21S  | 37E | 28 2 4 3  |                 |                  | 05-Mar-86     |                                | 54.99                   |
| USGS #25     |                        |                               |     | 21S  | 37E | 28 4 2 4  |                 |                  | 21-Jan-76     |                                | 45.14                   |



TABLE 1

**WELL INFORMATION REPORT\***  
**Chevron USA - CDU #434 (Ref #200104)**

| Well Number | Diversion <sup>A</sup> | Owner             | Use | Twsp | Rng | Sec q q q | Latitude        | Longitude        | Date Measured | Surface Elevation <sup>B</sup> | Depth to Water (ft bgs) |
|-------------|------------------------|-------------------|-----|------|-----|-----------|-----------------|------------------|---------------|--------------------------------|-------------------------|
| USGS #26    |                        |                   |     | 21S  | 37E | 28 44 2   |                 |                  | 21-Jan-76     |                                | 45.13                   |
| USGS #27    |                        |                   |     | 21S  | 37E | 29 33 4   |                 |                  | 29-Oct-65     |                                | 85.86                   |
| USGS #28    |                        |                   |     | 21S  | 37E | 29 42 4   |                 |                  | 30-Nov-65     |                                | 99.82                   |
| USGS #29    |                        |                   |     | 21S  | 37E | 29 44 2   |                 |                  | 21-Jan-76     |                                | 98.76                   |
| USGS #30    |                        |                   |     | 21S  | 37E | 29 44 3   |                 |                  | 21-Jan-76     |                                | 96.19                   |
| USGS #31    |                        |                   |     | 21S  | 37E | 29 24 1   |                 |                  | 06-Mar-96     |                                | 85.83                   |
| USGS #32    |                        |                   |     | 21S  | 37E | 29 42 4   |                 |                  | 17-Apr-91     |                                | 89.98                   |
| USGS #33    |                        |                   |     | 21S  | 37E | 29 44 2   |                 |                  | 29-Oct-65     |                                | 106.93                  |
| USGS #34    |                        |                   |     | 21S  | 37E | 32 22 2   |                 |                  | 22-Jan-76     |                                | 98.08                   |
| USGS #35    |                        |                   |     | 21S  | 37E | 32 22 2   |                 |                  | 07-Mar-86     |                                | 94.99                   |
| USGS #38    |                        |                   |     | 21S  | 37E | 32 12 1   |                 |                  | 15-Jan-54     |                                | 90.67                   |
| USGS #40    |                        |                   |     | 21S  | 37E | 33 11 1   |                 |                  | 22-Jan-76     |                                | 97.8                    |
| USGS #41    |                        |                   |     | 21S  | 37E | 33 11 1   |                 |                  | 22-Jan-76     |                                | 93.95                   |
| USGS #42    |                        |                   |     | 21S  | 37E | 33 21 1   |                 |                  | 06-Jun-55     |                                | 101.92                  |
| CP 00726    | 3                      | CLAYTON L. WOOTEN | DOM | 21S  | 37E | 33 42     | N32° 25' 53.76" | W103° 09' 47.50" | 23-Feb-88     | 3.445                          | 100                     |
| USGS #2     |                        |                   |     | 21S  | 37E | 21 11 1   |                 |                  | 10-Jan-54     |                                | 73.07                   |
| USGS #5     |                        |                   |     | 21S  | 37E | 22 21 2   |                 |                  | 17-Dec-70     |                                | 56.62                   |
| USGS #7     |                        |                   |     | 21S  | 37E | 22 21 1   |                 |                  | 23-Feb-96     |                                | 42.81                   |
| USGS #36    |                        |                   |     | 21S  | 37E | 32 42 2   |                 |                  | 22-Jan-76     |                                | 99.15                   |
| USGS #37    |                        |                   |     | 21S  | 37E | 32 42 4   |                 |                  | 22-Jan-76     |                                | 91.89                   |
| USGS #39    |                        |                   |     | 21S  | 37E | 32 42 2   |                 |                  | 22-Jan-76     |                                | 99.29                   |
| USGS #43    |                        |                   |     | 21S  | 37E | 33 32 1   |                 |                  | 17-Dec-70     |                                | 92.12                   |

\* = Data obtained from the New Mexico Office of the State Engineer Website ([http://iwwaters.ose.state.nm.us:7001/1WATERS/wr\\_RegisServlet](http://iwwaters.ose.state.nm.us:7001/1WATERS/wr_RegisServlet)) and USGS Database.

<sup>A</sup> = in acre feet per annum

<sup>B</sup> = Interpolated from USGS Topographical Map

SAN = 72-12-1 Sanitary in conjunction with commercial use

DOM = Domestic one household

SRO = Secondary recovery of oil

IND = Industrial

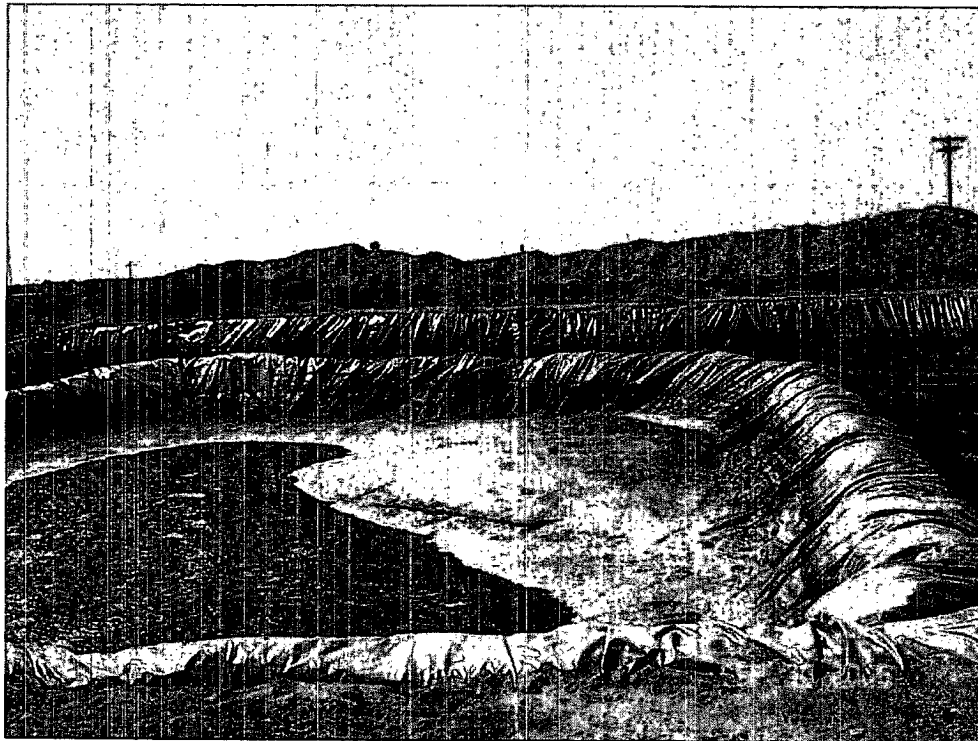
(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

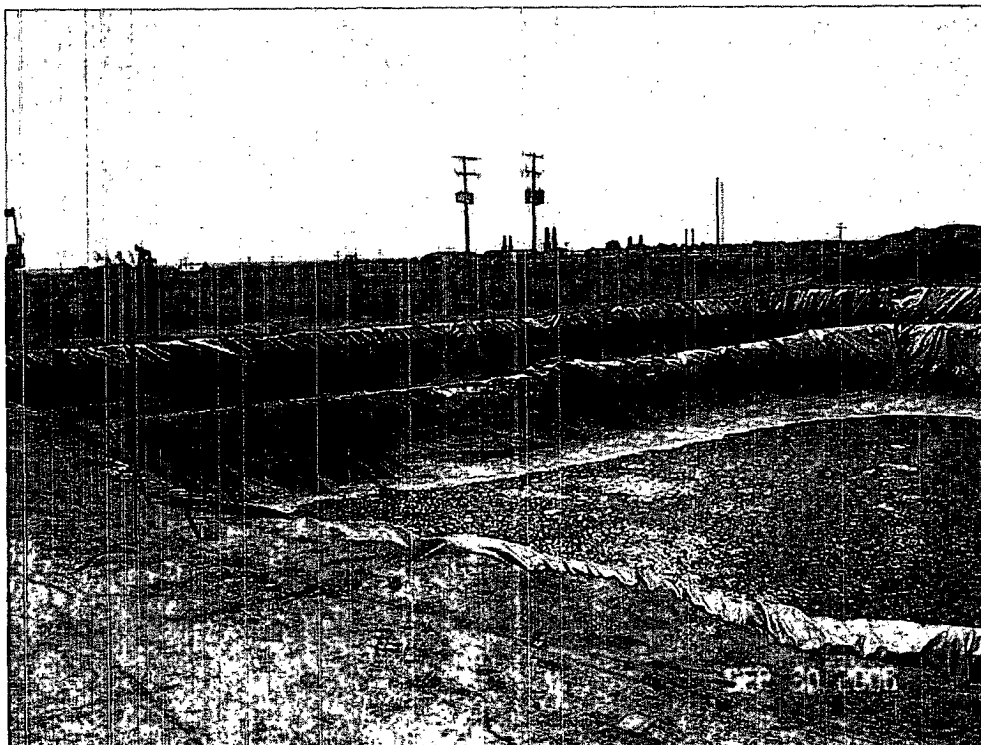
Shaded area indicates wells not shown on Figure 2



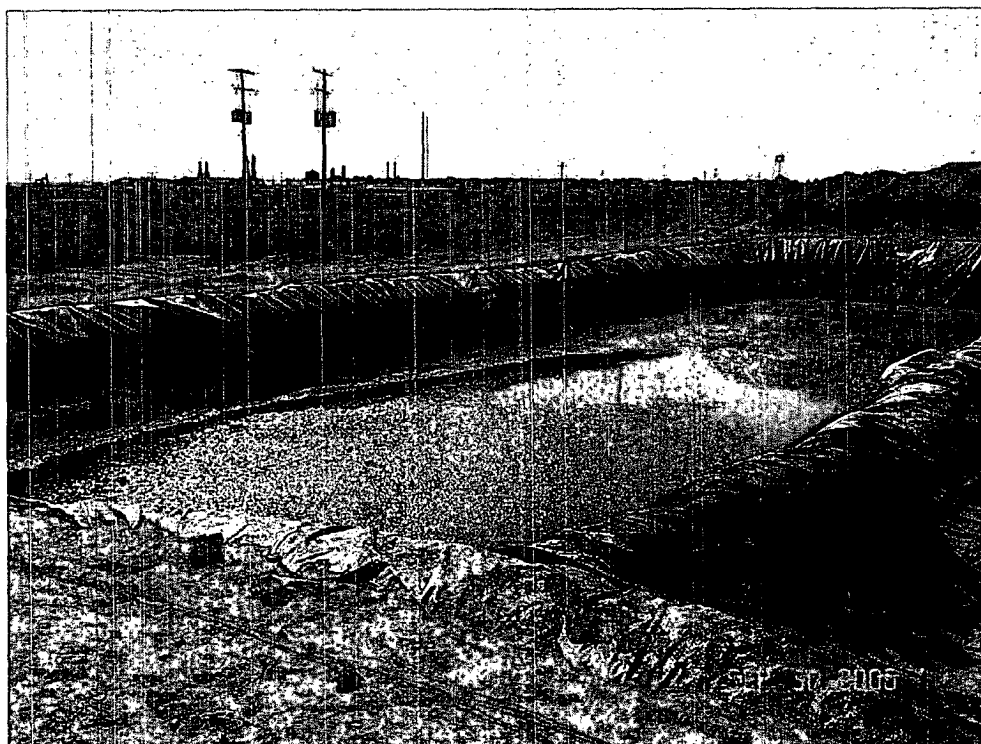
Photograph #1 - Pit with berms, looking southwesterly.



Photograph #2 - Pit with berms, looking southerly.



Photograph #3 – Pit with berms, looking southeasterly.



Photograph #4 – Pit with berms, looking southeasterly.