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 ☒

Operator: Chevron USA (O-Grid #4323) Telephone: 505-394-1237 e-mail address: billyanderson@chevron.com

Address: PO Box 1949 2401 Avenue O Eunice, New Mexico 88231

Facility or well name: Harry Leonard E #8 API #: 30-025-37834 Unit Letter (UL): G Qtr/Qtr: SW¼ NE¼ Section: 16, T21S, R37E

County: Lea Latitude: N 32° 28' 47.4" Longitude: W 103° 09' 46.0" NAD: 1927 ☐ 1983 ☐ WGS 84 ☒

Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐	Volume: bbl Type of fluid:	
Lined ☒ Unlined ☐	Construction material:	
Liner type: Synthetic ☒ Thickness 20 mil Clay ☐	Double-walled, with leak detection? Yes ☐ 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.) ~65' bgs	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) ☐ (10 points) ☒ (0 points) ☐
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) ☒ (0 points) ☐
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1,000 feet 1,000 feet or more	(20 points) ☐ (10 points) ☐ (0 points) ☒
	Ranking Score (Total Points)	**10+20+0=30**

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: The pit has been closed 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). Verbal approval was received to close the pit via encapsulation based on the facts that the under-liner is intact; groundwater is 70-feet below ground surface; and the water well inside the 1,000-foot radius of the location is located up-gradient approximately 900-feet to the north and cannot feasibly be impacted by the pit.

Pit Status: Liner intact ☒ Liner punctured or torn ☐

Method of Closure: The pit was closed via encapsulation, which consisted 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. When the pit contents were stiffened as required, the edges of the liner were folded over the edges of the stiffened mud and cuttings and the pit was covered with a 20-mil thick impervious, reinforced synthetic polyethylene liner meeting ASTM standards designed to be resistant to the material encapsulated. The liner was then 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 ☒, a general permit ☒, or an (attached) alternative OCD-approved plan ☒.**

Date: 12-5-06 Printed Name/Title Bill Anderson, HES Champion Signature Bill Anderson

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.

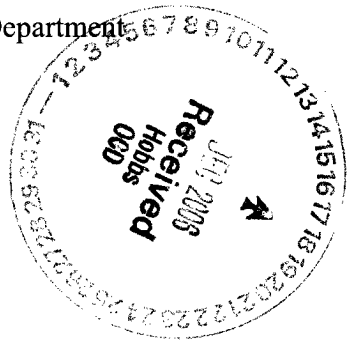
Approval:

Printed Name/Title L Johnson Envro Engr Signature [signature] Date: 12.18.06

ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

4 December 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: Final C-144
Chevron USA (O-Grid #4323)
Harry Leonard E #8 (Ref. #200106)
API#30-025-37834
UL-G, Section 16, 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 has closed 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
Bill Anderson, HES Champion
P.O. Box 1949
Eunice, New Mexico 88231
Telephone: 505-394-1237
Email: billyanderson@chevron.com

Should you have any questions or concerns, please call me at (505) 394-3481. Mr. Bill Anderson can be contacted at (505) 394-1237 or via e-mail at billyanderson@chevron.com.

Sincerely,

ENVIRONMENTAL PLUS, INC.

Pat McCasland
Senior Consultant

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 505•394•3481 FAX 505•394•2601

ENVIRONMENTAL PLUS, INC.

cc: Bill Anderson, Chevron USA
Nathan Mouser, Chevron USA
Thaddeus Kostrubala, State of New Mexico
File

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

ENVIRONMENTAL PLUS, INC.

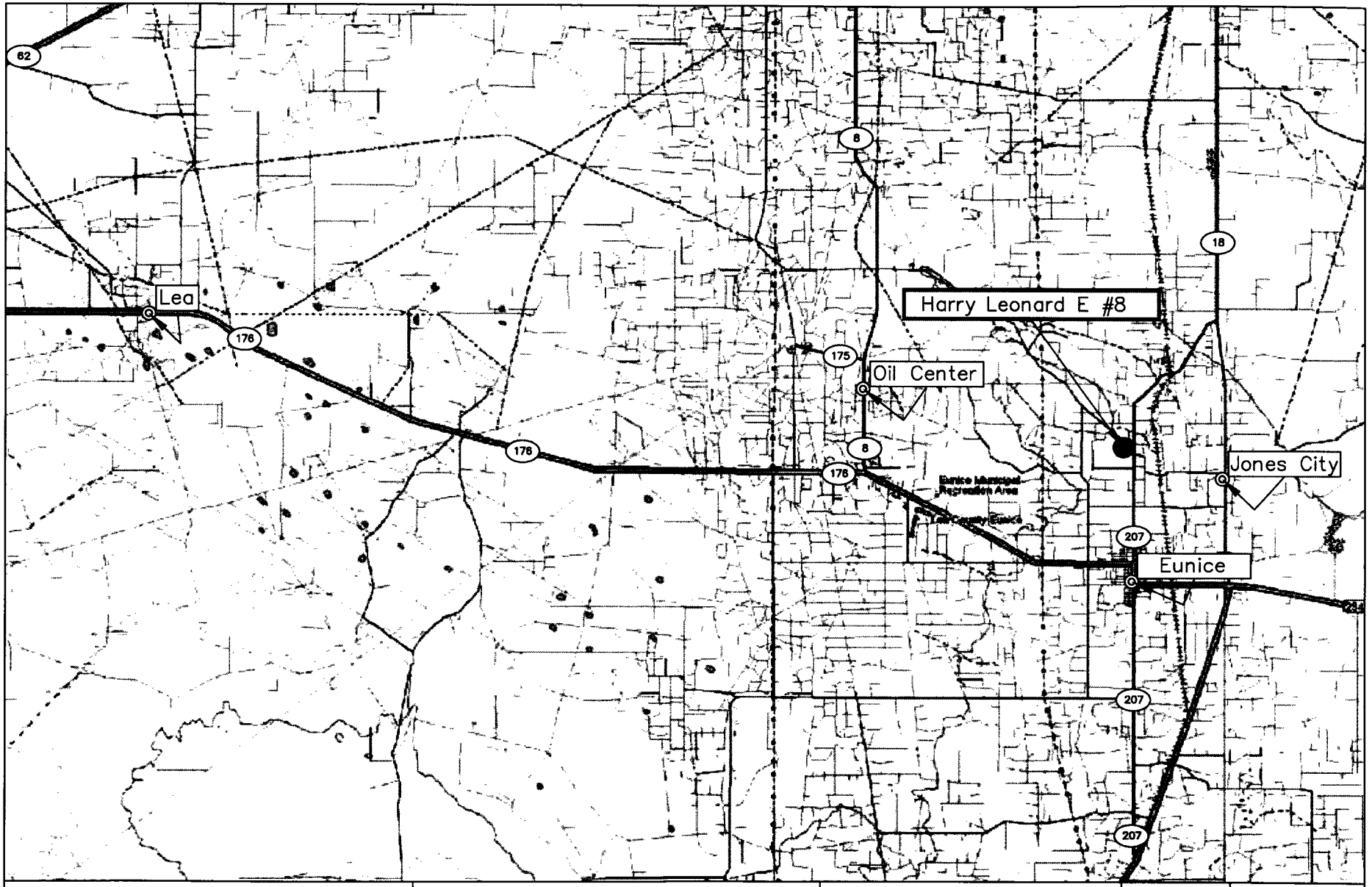


Figure 1
Area Map
Chevron Corporation
Harry Leonard E #8

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 16, T21S, R37E
N 32° 28' 47.4" W 103° 09' 46.0"
Elevation: 3,485 feet amsl

DWG By: Daniel Dominguez
October 2006

REVISED:

SHEET
1 of 1

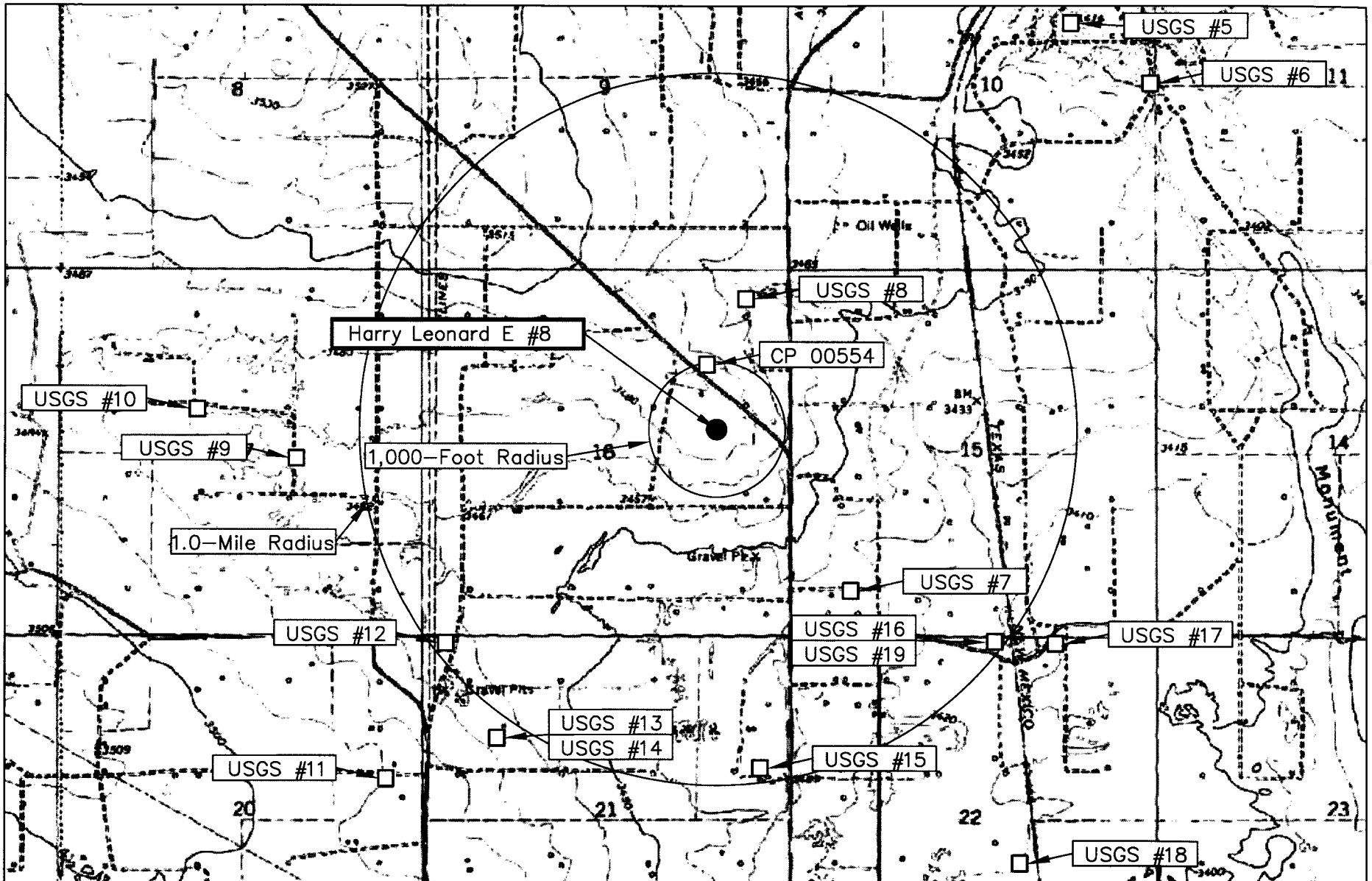


Figure 2 Site Location Map Chevron Corporation Harry Leonard E #8	Lea County, New Mexico SW 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.4" W 103° 09' 46.0" Elevation: 3,485 feet amsl	DWG By: Daniel Dominguez October 2006 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

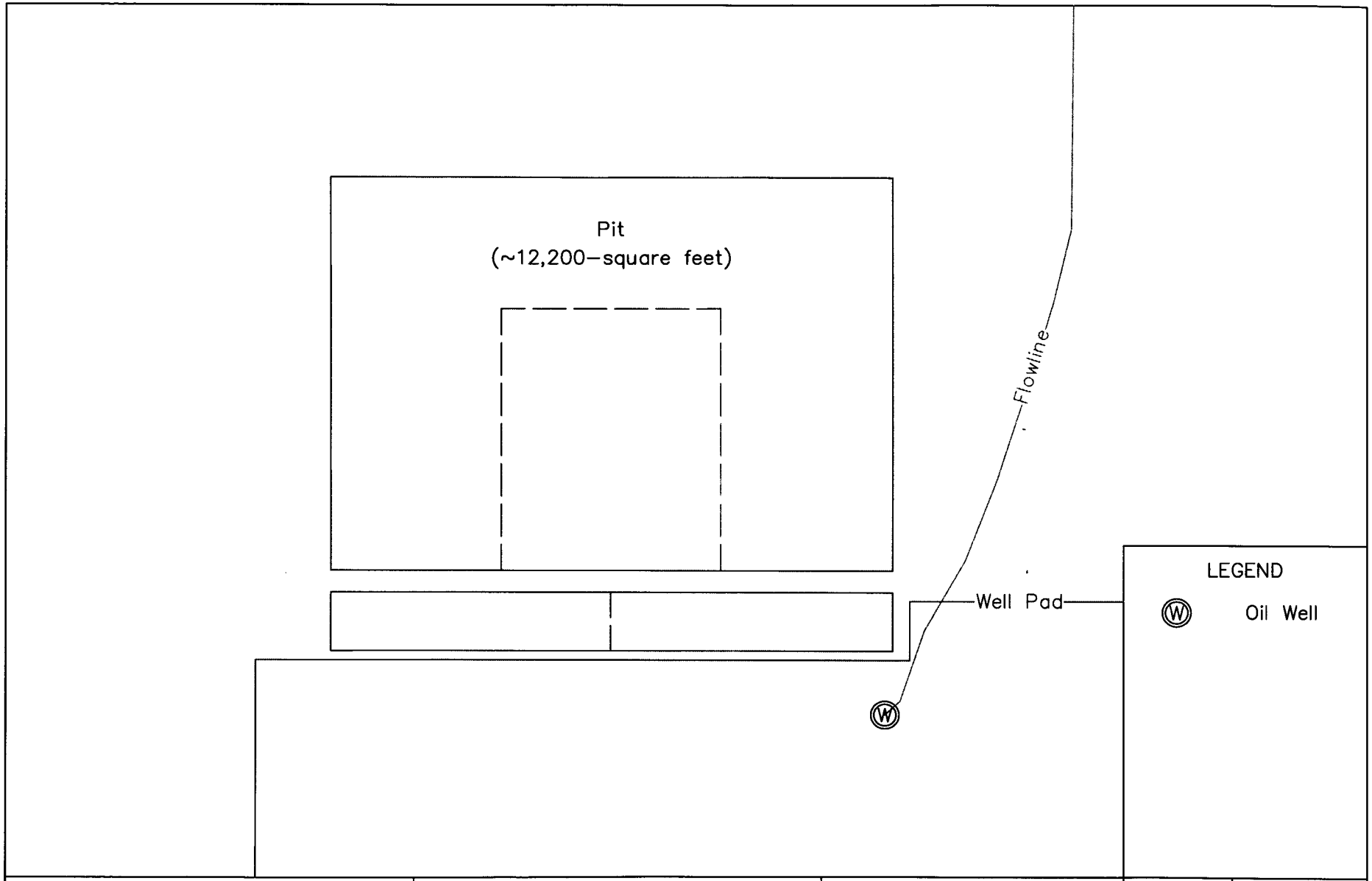


Figure 3
Site Map
Chevron Corporation
Harry Leonard E #8

Lea County, New Mexico
SW 1/4 of the NE 1/4, Sec. 16, T21S, R37E
N 32° 28' 47.4" W 103° 09' 46.0"
Elevation: 3,485 feet amsl

DWG By: Daniel Dominguez
October 2006

REVISED:
Nov 2006

SHEET
1 of 1

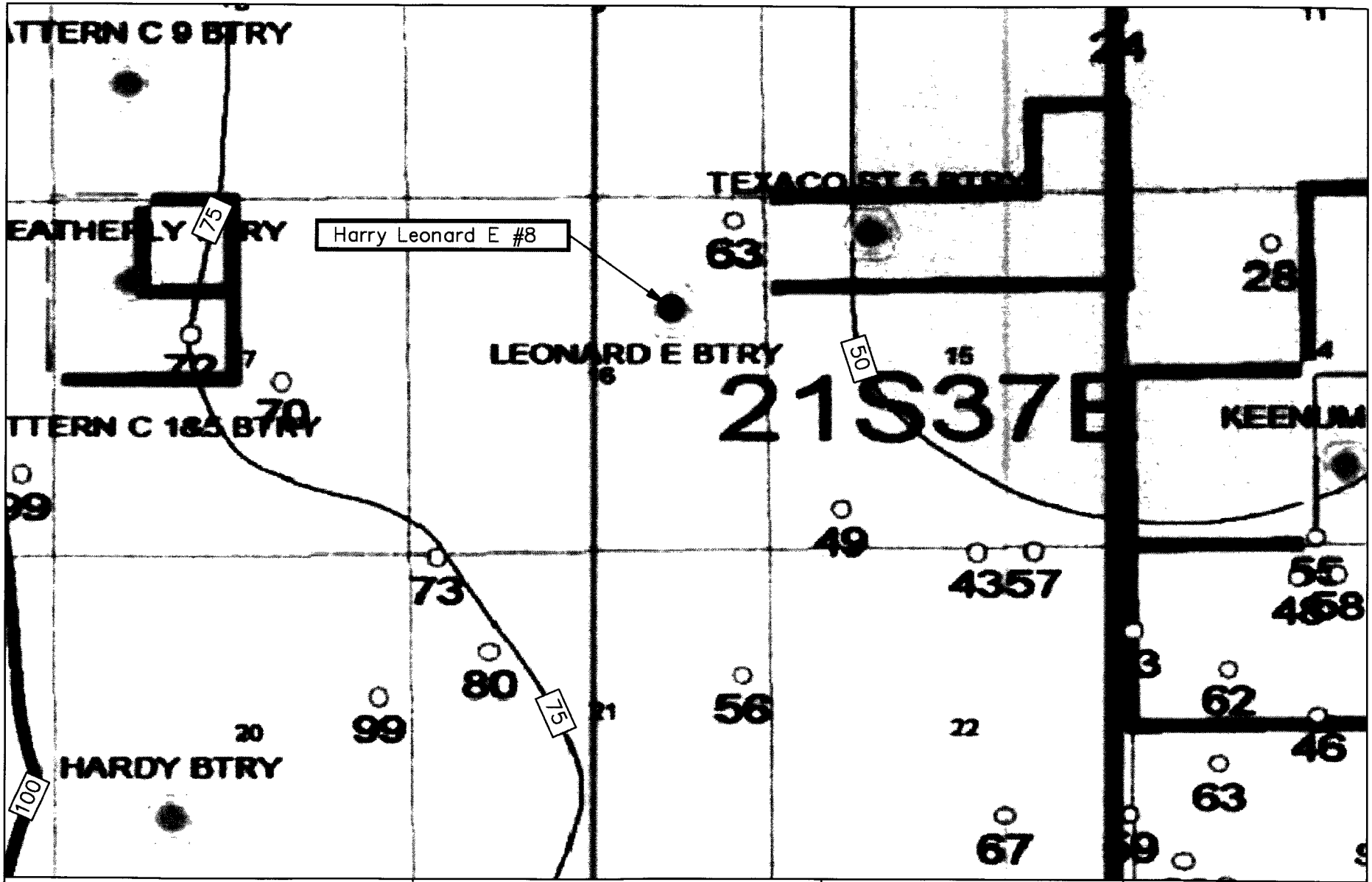


Figure 4 Groundwater Map Chevron Corporation Harry Leonard E #8	Lea County, New Mexico SW 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.4" W 103° 09' 46.0" Elevation: 3,485 feet amsl	DWG By: Daniel Dominguez October 2006 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

TABLE 1

WELL INFORMATION REPORT*

Chevron USA - Harry Leonard E #8 (Ref #200106)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
CP 00554	3	MILLARD DECK	STK	21S	37E	16 2 2	N32° 28' 56.57"	W103° 09' 47.62"	05-Jun-76	3,487	70
USGS #5				21S	37E	10 2 4 1			24-Apr-91	3,414	24.87
USGS #6				21S	37E	10 4 2 2			26-Feb-81	3,415	24.43
USGS #7				21S	37E	15 3 3 4			19-Apr-91	3,435	49.06
USGS #8				21S	37E	16 2 2 2			24-Apr-91	3,467	63.45
USGS #9				21S	37E	17 4 1 2			10-Dec-70	3,468	70.25
USGS #10				21S	37E	17 1 4 4			08-Feb-96	3,471	71.95
USGS #11				21S	37E	20 2 4 4			06-Mar-96	3,490	98.69
USGS #12				21S	37E	21 1 1 1			10-Jan-54	3,465	73.07
USGS #13				21S	37E	21 1 3 2			10-Dec-70	3,468	80.12
USGS #14				21S	37E	21 1 3 2			02-Dec-65	3,468	77.77
USGS #15				21S	37E	21 2 4 2			25-Apr-91	3,435	56.11
USGS #16				21S	37E	22 2 1 1			22-Feb-96	3,411	42.5
USGS #17				21S	37E	22 2 1 2			17-Dec-70	3,410	56.62
USGS #18				21S	37E	22 4 1 4			27-Jan-76	3,410	68.83
USGS #19				21S	37E	22 2 1 1			23-Feb-96	3,411	42.81
CP [illegible]	3	RICHARD DON [illegible]	DOM	[illegible]	37E	22 4 4 3	[illegible]	W103° 08' 45.99"	07-Sep-99	[illegible]	53
USGS [illegible]				21S	[illegible]	[illegible]			12-Mar-68	[illegible]	[illegible]
USGS [illegible]				21S	37E	[illegible]			[illegible]-70	[illegible]	[illegible]
USGS [illegible]				21S	37E	9 2 4 1			[illegible]	[illegible]	[illegible]
USGS #4				[illegible]	37E	9 2 4 1			16-Dec-70	[illegible]	[illegible]
USGS #20				[illegible]	37E	22 3 3 3			17-Apr-91	3,420	[illegible]
USGS #21				21S	[illegible]	22 4 3 2			19-Apr-77	3,405	66.62
USGS #22				21S	37E	22 4 3 2			27-Jan-76	3,405	66.73
USGS #23				21S	37E	22 4 4 2			17-Apr-91	3,400	58.61

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1) and USGS Database.

[A] = in acre feet per annum

[B] = Interpolated from USGS Topographical Map

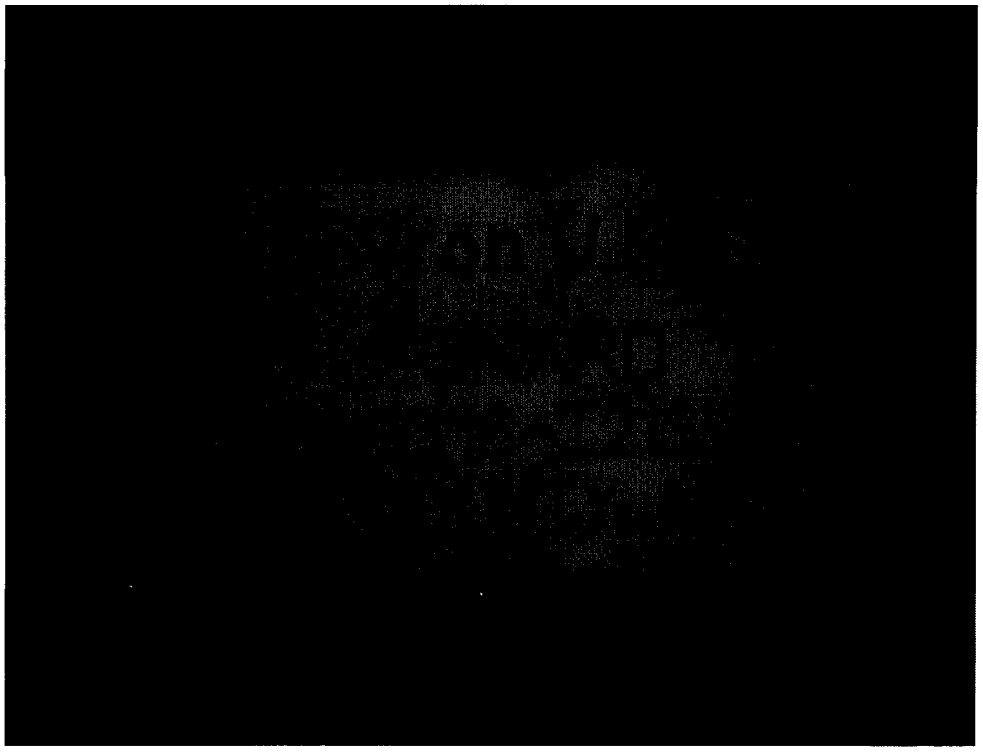
STK = Livestock watering

DOM = Domestic one household

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

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

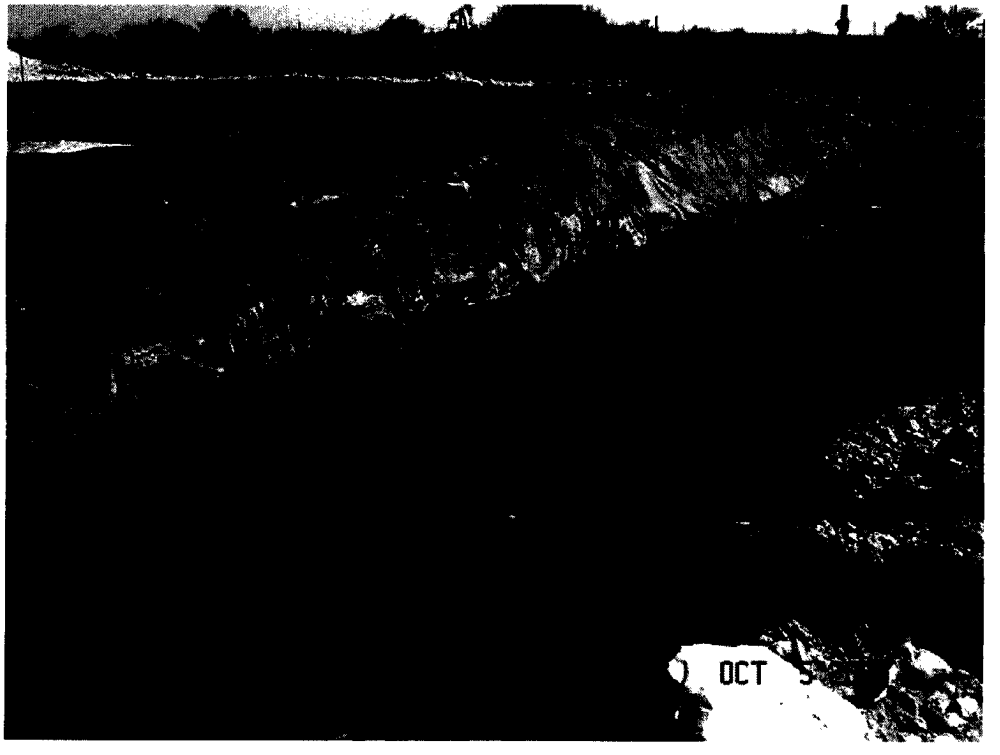
Shaded area indicates wells not shown on Figure 2



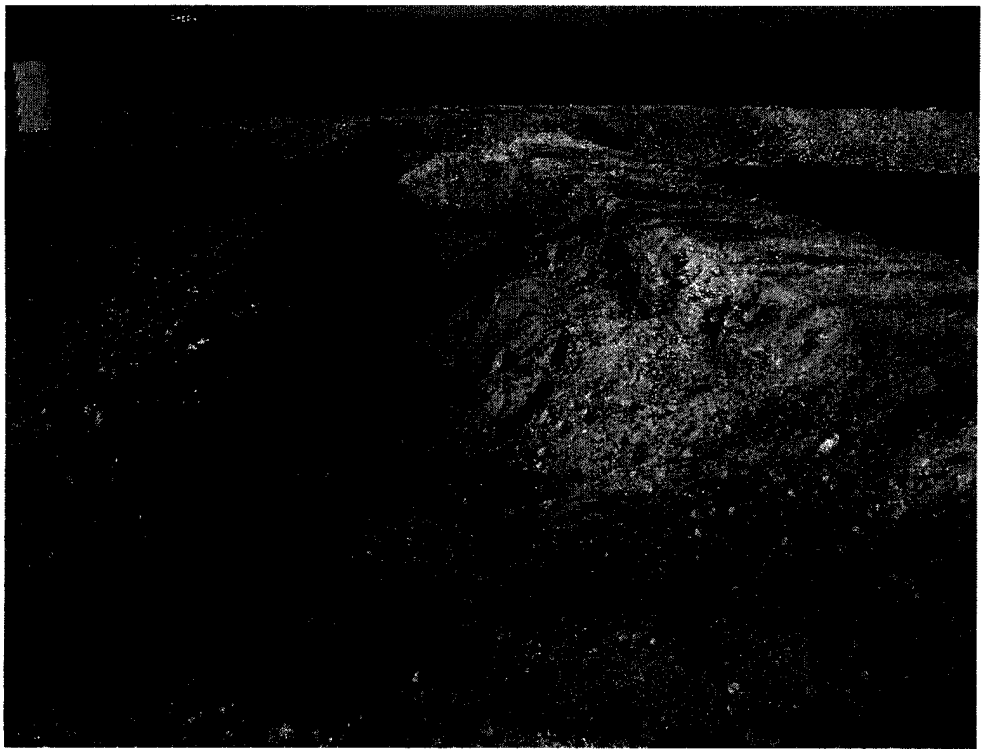
Photograph #1- Lease sign.

Photograph #2 - Pit with berms, looking westerly.

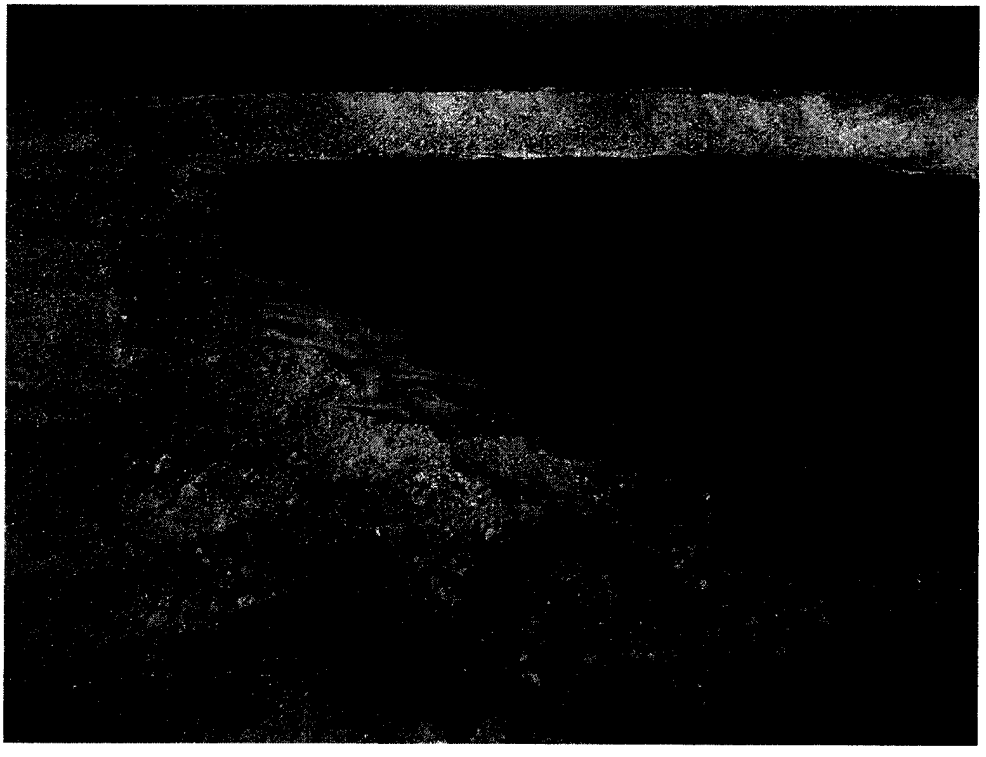
Photograph #3 – Pit with berms, looking northwesterly.



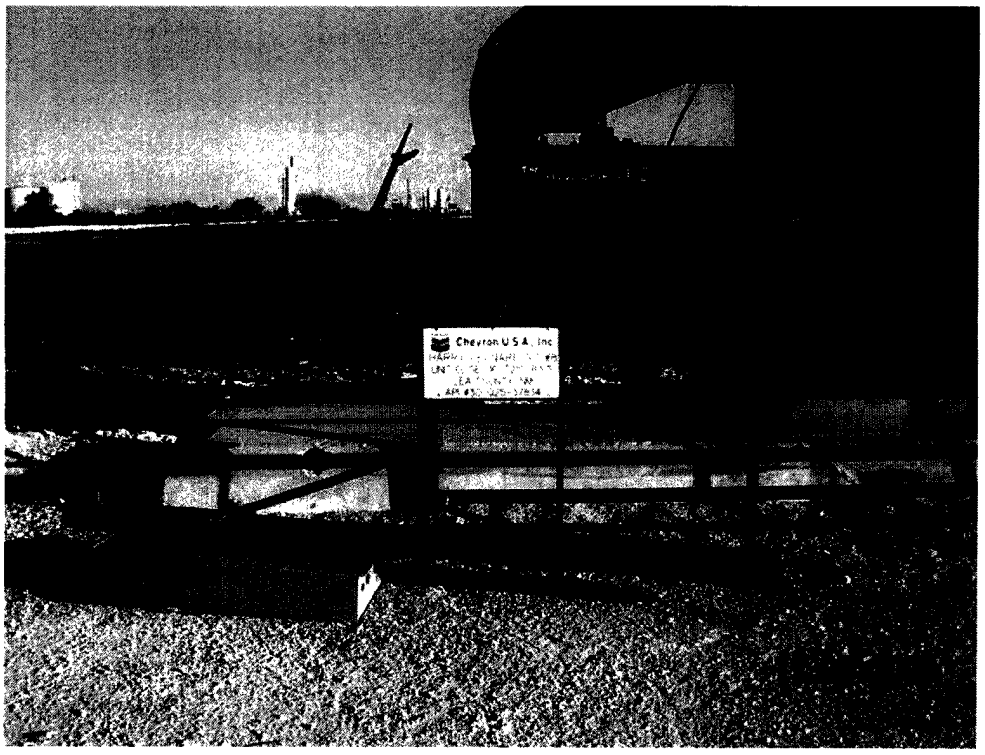
Photograph #4 – Pit with berms, looking northwesterly.



Photograph #5 – Liner covering stiffened pit contents.



Photograph #6 – Liner covering stiffened pit contents.



Photograph #7 – Closed pit.