ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Out™
STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

10-12-05 E Mail Beck Requesting Pit Thickness & Depth Confirmation & Bury in place

October 5, 2005

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

NCT-E

Re: Pit Closure Notification
Chevron Harry Leonard Drill Pit (Ref. # 200042)
UL-H, (SE ¼ of the NE ¼) Section 16, Township T 21 South, Range 37 East
Latitude: N 32° 28' 47.36" Longitude: W 103° 09' 37.78"
Lea County, New Mexico

Dear Mr. Johnson:

Environmental Plus, Inc. (EPI), on behalf of Chevron, submits the enclosed New Mexico Oil Conservation Division (NMOCD) form C-144 and supporting information, notifying the NMOCD of Chevron's intent to close the above-referenced pit. Please direct all official communications to:

Chevron
Bill Beck, Construction Representative
P.O. Box 1949
Eunice, New Mexico 88231

Received Hobbs OCD

If there are any questions please call Mr. Iain Olness, EPI Technical Manager, or myself at the office or Mr. Bill Beck at 505-396-4414.

Sincerely,

Pat McCasland

Pat McCasland
EPI Safety Director/Environmental Consultant

cc: Bill Beck, Chevron
Nathan Mouser, Chevron
file

encl.: Form C-144
Figure 1: Area Map
Figure 2: Site Location
Figure 3: Site Map
Figure 4: Groundwater Gradient
Table 1: Well Information Report
Site Photographs

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

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 Telephone:505.396.4414 e-mail address: BBeck@ChevronTexaco.com		
Address: P.O. Box 1949 Eunice, New Mexico 88231		
Facility or well name: Harry Leonard #5 API #: Unit Letter (UL): H Qtr/Qtr: SE¼ NE¼ Section: 16 T21S, R37E		
County: Lea Latitude: 32° 28' 47.36"N Longitude: 103° 09' 37.78"W NAD: 1927 ☐ 1983 ☐ WGS 84 ☒		
Surface Owner: Federal ☐ State of New Mexico ☒ 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 12 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.) ~62'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 1000 feet 1000 feet or more	(20 points) ☐ (10 points) ☐ (0 points) ☒
	Ranking Score (Total Points)	**10**

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 your 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: This pit will be closed consistent with the "ChevronTexaco Drilling and Reserve Pit Closure General Plan" that is consistent with the NMOCD Pit and Below-Grade Tank Guidelines, November 1, 2004 as promulgated under NMOCD Rule 50 (19.15.2.50 NMAC).

Method of Closure: It is proposed to bury the pit contents on site, cover the pit contents with a 20 mil liner, emplace three feet of clean soil on top of the liner and grade the site.

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 ~~has been~~/will be ~~constructed or~~ closed according to NMOCD guidelines ☒, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.**

Date: 10-7-05 Printed Name/Title Bill Beck, Construction Representative Signature Bill Beck

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 GARY W. WINK / STAFF MGR Signature Gary W. Wink Date: 10/14/05

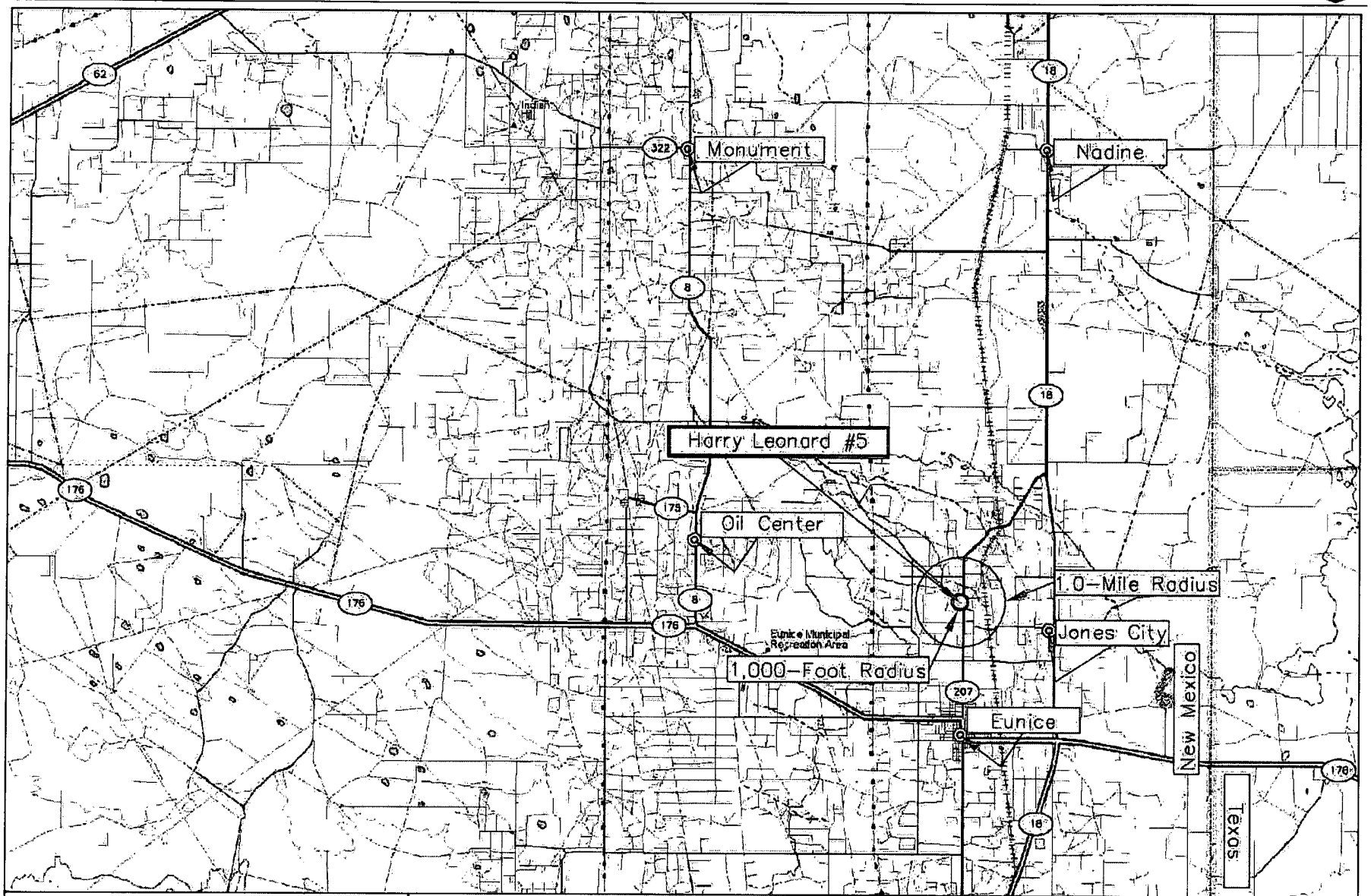


Figure 1 Area Map Chevron Harry Leonard #5	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.36" W 103° 09' 37.78" Elevation: 3,478 feet amsl	DWG By: Daniel Dominguez October 2005	REVISED:	N
		0 3 6 Miles	SHEET 1 of 1	

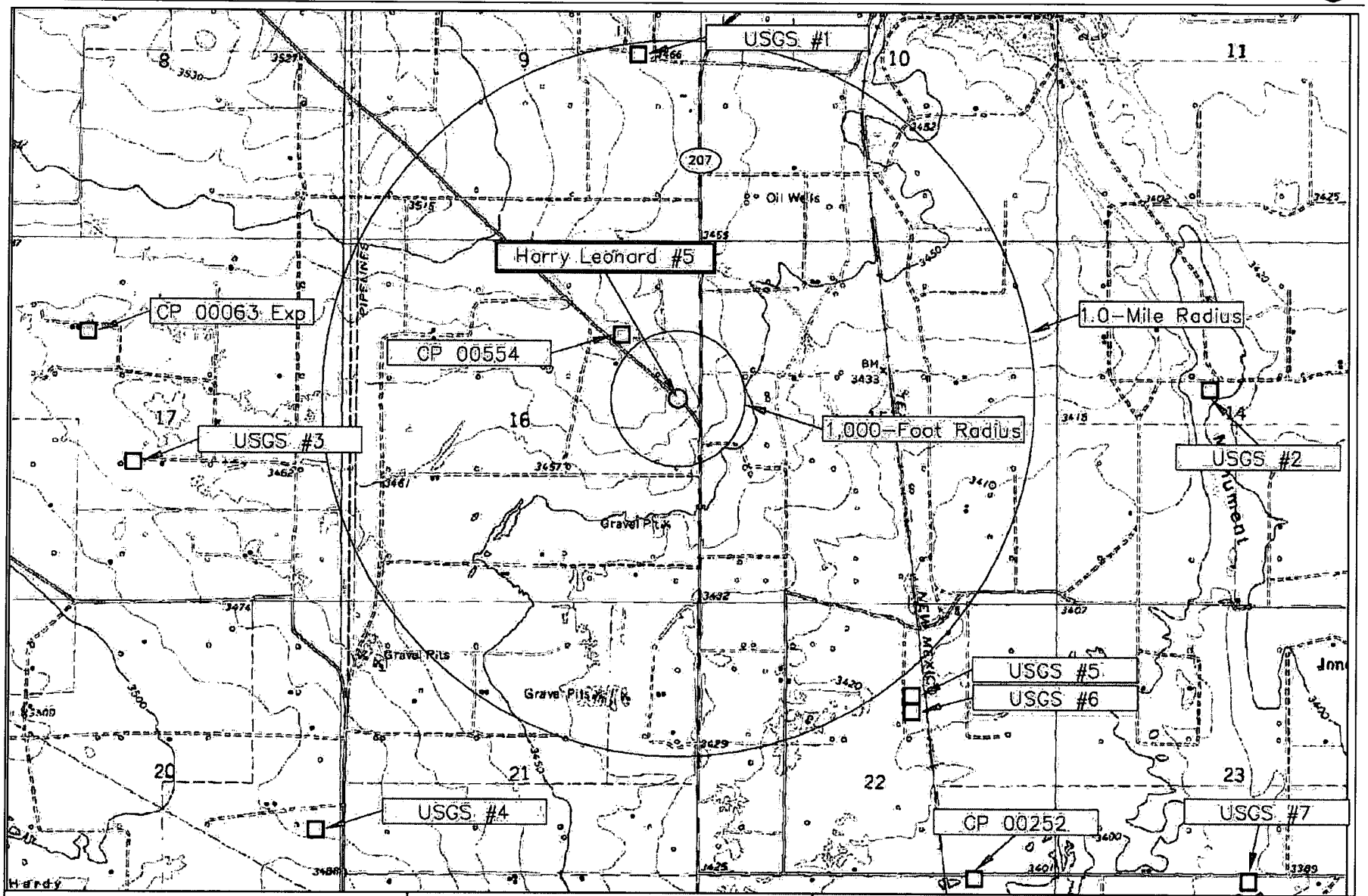


Figure 2 Site Location Map Chevron Harry Leonard #5	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.36" W 103° 09' 37.78" Elevation: 3,478 feet amsl	DWG By: Daniel Dominguez October 2005 0 2000 4000 Feet	REVISED: SHEET 1 of 1 N

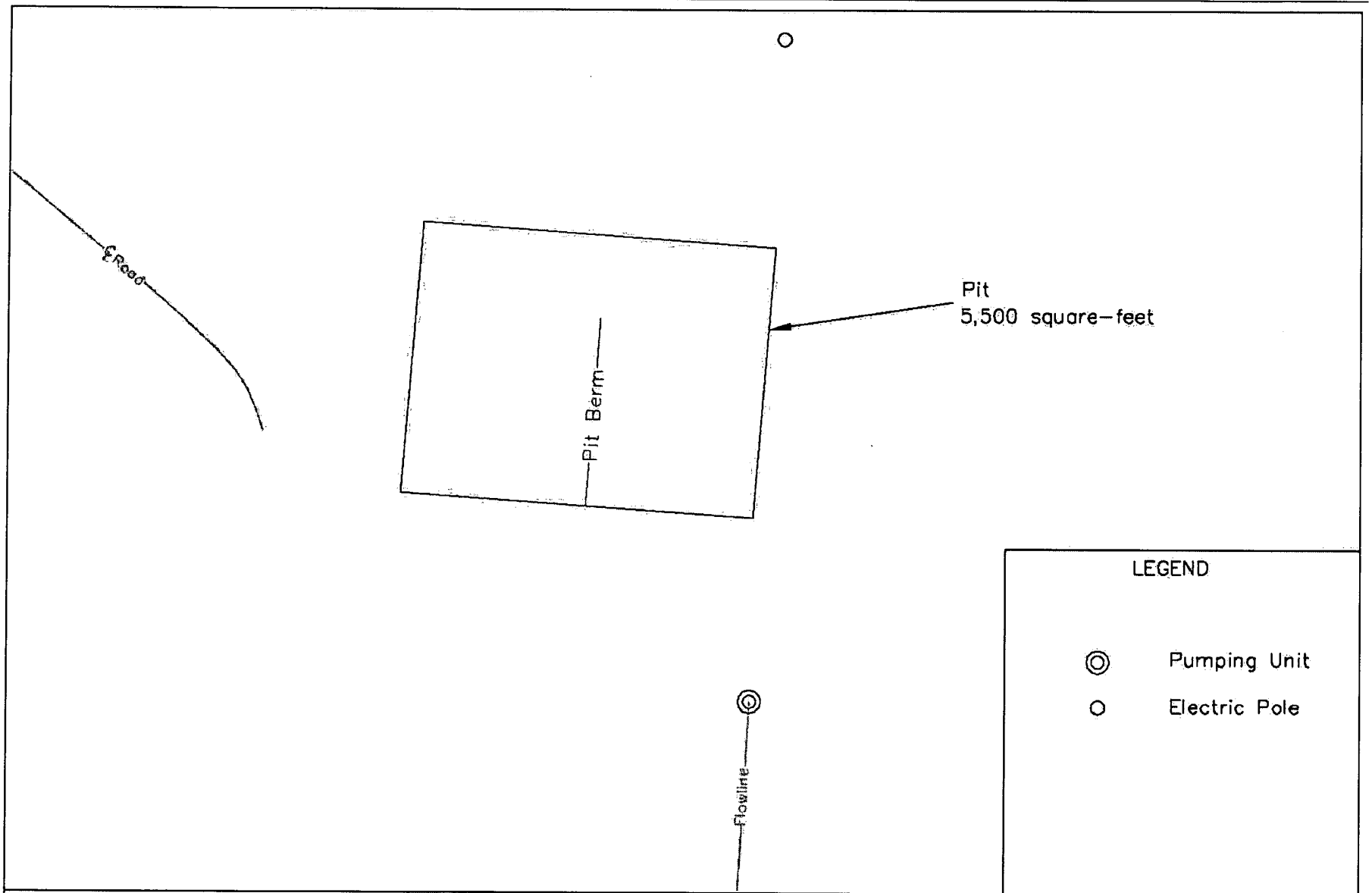


Figure 3 Site Map Chevron Harry Leonard #5	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.36" W 103° 09' 37.78" Elevation: 3,478 feet amsl	DWG By: Daniel Dominguez October 2005	REVISED:	N
		0 35 70 Feet	SHEET 1 of 1	

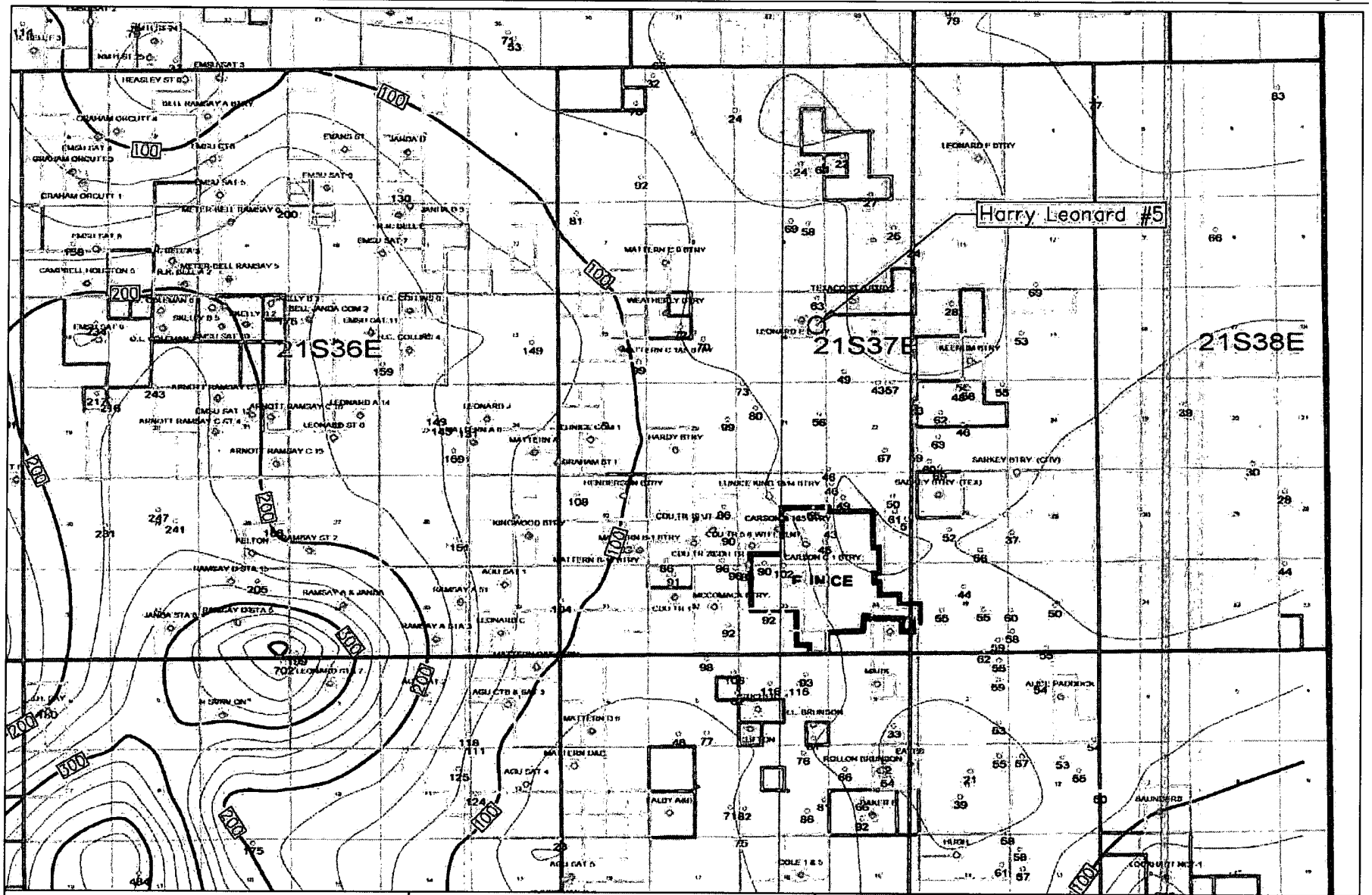


Figure 4 Groundwater Gradient Map Chevron Harry Leonard #5	Lea County, New Mexico SE 1/4 of the NE 1/4, Sec. 16, T21S, R37E N 32° 28' 47.36" W 103° 09' 37.78" Elevation: 3,478 feet amsl	DWG By: Daniel Dominguez October 2005	REVISED:
		0 1.5 3 Miles	SHEET 1 of 1

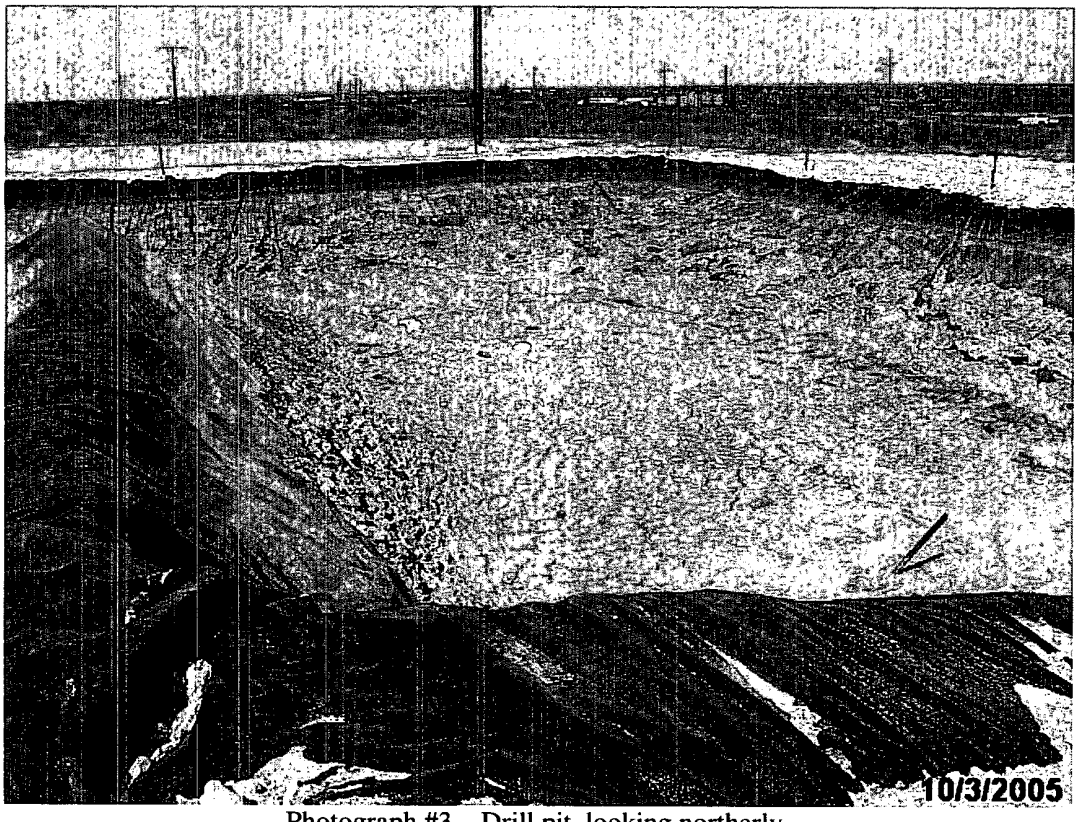
TABLE 1

WELL INFORMATION REPORT*

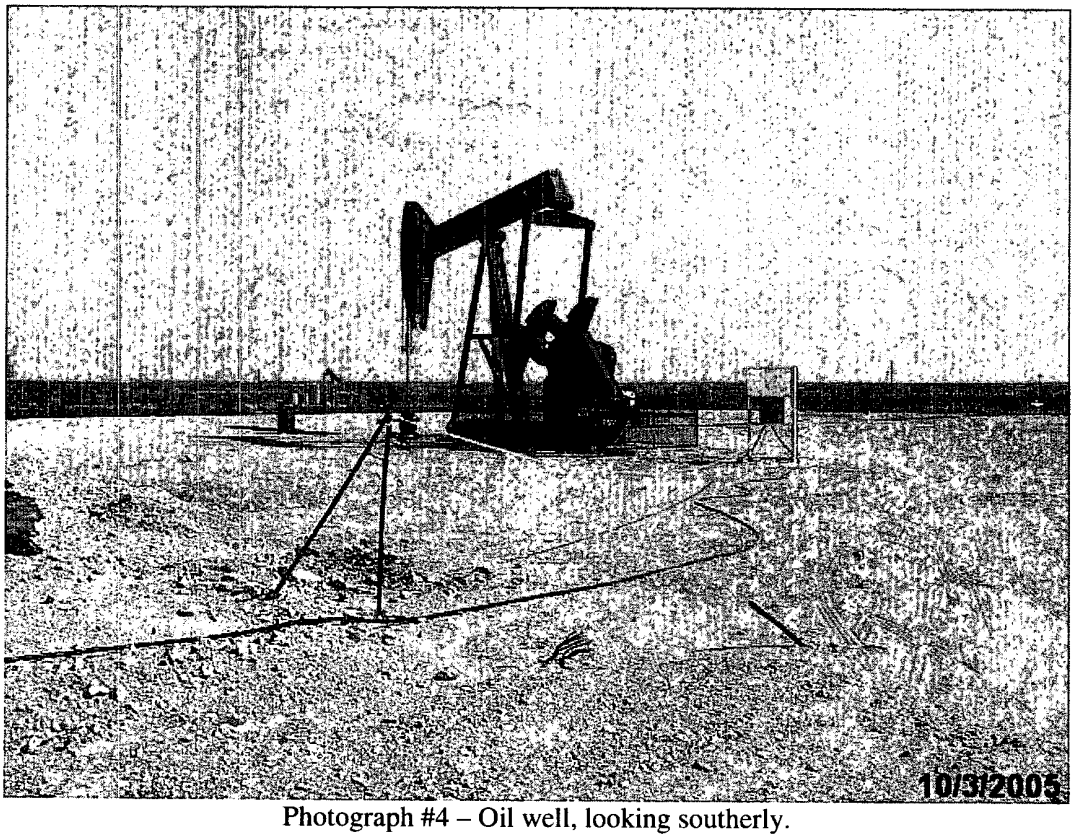
Chevron - Harry Leonard #5 - Ref #200042

Well Number	Diversion[A]	Owner	Use	Source	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
USGS #1					21S	37E	9 2 4 1	N32° 29' 37.00"	W103° 09' 45.00"	13-Mar-96	3,474	
USGS #2					21S	37E	14 1 2 4	N32° 28' 49.00"	W103° 08' 6.00"	13-Mar-96	3,402	
CP 00063 EXP	10	RIGHT REVEREND SIDNEY METZGER	DOM		21S	37E	17 1 2 2	N32° 28' 36.70"	W103° 11' 20.00"		3,482	
CP 00554	3	MILLARD DECK	STK	Shallow	21S	37E	16 2 2	N32° 28' 36.97"	W103° 09' 47.62"	05-Jan-96	3,490	70
USGS #3					21S	37E	17 1 4 4	N32° 28' 38.00"	W103° 11' 12.00"	08-Feb-96	3,481	
USGS #4					21S	37E	20 2 4 4	N32° 27' 45.00"	W103° 10' 40.00"	06-Mar-96	3,499	
USGS #5					21S	37E	22 2 1 1	N32° 28' 3.00"	W103° 08' 52.00"	23-Feb-96	3,419	
USGS #6					21S	37E	22 2 1 1	N32° 28' 4.00"	W103° 08' 57.00"	08-Feb-01	3,419	
CP 00252	40	VERSADO GAS PROCESSORS, LLC	IND		21S	37E	22 4 2 4	N32° 27' 38.22"	W103° 08' 46.00"	31-Mar-49	3,409	
USGS #7					21S	37E	23 2 3 3	N32° 27' 38.00"	W103° 07' 59.00"	23-Feb-96	3,389	
CP 00251	48	VERSADO GAS PROCESSORS, LLC	IND		21S	37E	22 4 3 2	N32° 27' 25.15"	W103° 09' 1.37"	31-Dec-48	3,406	
CP 00881	3	RICHARD DON JONES	DOM	Shallow	21S	37E	22 4 4 3	N32° 27' 25.16"	W103° 08' 45.99"	07-Sep-99	3,406	53
CP 00895	3	JOE R. SIMS	DOM	Shallow	21S	37E	20 1 1	N32° 28' 4.45"	W103° 11' 35.34"	17-Mar-00	3,517	
USGS #8					21S	37E	3 3 1 2	N32° 30' 16.00"	W103° 09' 20.00"	09-Feb-96	3,461	
USGS #9					21S	37E	6 4 2 4	N32° 30' 6.00"	W103° 11' 39.00"	08-Mar-96	3,529	
USGS #10					21S	37E	7 1 1 2	N32° 29' 46.00"	W103° 12' 29.00"	13-Mar-96	3,494	
USGS #11					21S	37E	13 1 3 4	N32° 28' 31.00"	W103° 07' 19.00"	13-Mar-96	3,419	
USGS #12					21S	37E	25 3 1 3	N32° 26' 35.00"	W103° 07' 26.00"	07-Mar-96	3,376	
USGS #13					21S	37E	27 2 3 2	N32° 26' 57.00"	W103° 08' 48.00"	08-Feb-96	3,402	
USGS #14					21S	37E	29 2 4 1	N32° 26' 53.00"	W103° 10' 43.00"	06-Mar-96	3,472	

* = 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.
Shaded well information indicates well location shown on Figure 2
[A] = in acre feet per annum
[B] = Interpolated from USGS Topographical Map
STK = Livestock Watering
IND = Industrial
DOM = 72-12-1 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)



Photograph #3 – Drill pit, looking northerly.



Photograph #4 – Oil well, looking southerly.