

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

Form C-101  
May 27, 2004

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

Submit to appropriate District Office

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD, MIDLAND, TEXAS 79705		<sup>2</sup> OGRID Number 4323
<sup>3</sup> Property Code 2678	<sup>4</sup> Property Name MARK	<sup>5</sup> API Number 30-025-37385
<sup>9</sup> Proposed Pool 1 PENROSE SKELLY GRAYBURG 50350		<sup>10</sup> Proposed Pool 2

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	3	22-S	37-E		1678'	NORTH	1425'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3395'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 4350'	<sup>18</sup> Formation GRAYBURG	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 8-01-2005
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/>		Pit Volume: _____ bbls		Drilling Method: <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/>
Closed-Loop System <input type="checkbox"/>		SEE C-144		

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	400'	250 SX	CIRCULATE
7 7/8"	5 1/2"	15.5#	4350'	1000 SX	CIRCULATE

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.  
 SURFACE CASING: 250 SX CL C CMT W/2% CACL + 0.25 PPS CELLOFLAKE (J-55 ST&C)  
 SLURRY PROPERTIES: 14.8 PPG, 1.34 FT3/SK, 6.29 GPS MIX WATER  
 PRODUCTION CASING: LEAD IN W/600 SX (35:65) POZ (FLY ASH) CLASS C CMT W/6% BENTONITE + 5% SODIUM CHLORIDE + 0.25 PPS CELLOFLAKE + 0.4% FLUID LOSS ADDITIVE (J-55 LT&C)  
 TAIL IN W/400 SX (50:50) POZ (FLY ASH) CLASS C CMT W/5% SODIUM CHLORIDE + 2% BENTONITE + 0.25 PPS CELLOFLAKE  
 SLURRY PROPERTIES: 12.4 PPG, 2.15 FT3/SK, 11.97 GPS MIX WATER & 14.2 PPG, 1.35 FT3/SX, 6.33 GPS MIX WATER  
 BOP PROGRAM: SEE ATTACHED DIAGRAM  
 REFERENCE ORDER NUMBER: NSL-5227 (SD) (attached) ✓

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		<b>OIL CONSERVATION DIVISION</b>	
Printed name: DENISE PINKERTON <i>Denise Pinkerton</i>		Approved by: <i>Paul [Signature]</i>	
Title: REGULATORY SPECIALIST		Title: PETROLEUM ENGINEER	
E-mail Address: LEAKEJD@CHEVRONTEXACO.COM		Approval Date: JUL 25 2005	
Date: 7-19-2005		Expiration Date:	
Phone: 432-687-7375		Conditions of Approval Attached <input type="checkbox"/>	

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State of New Mexico  
Energy Minerals and Natural Resources

Form C-144  
June 1, 2004

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

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 U.S.A. INC. Telephone: 432-687-7375 e-mail address: LEAKEJD@CHEVRONTEXACO.COM  
Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705  
Facility or well name: MARK #13 API #: 30-025-37385 U/L or Qtr/Qtr G Sec 3 T 22-S R 37-E  
County: LEA Latitude 32 25' 24.16" N Longitude 103 08' 47.40" W NAD: 1927  
Surface Owner: Private

<b>Pit</b> Type: Drilling  Lined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness 20 mil Pit Volume 4106 bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	No	( 0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	( 0 points)
	<b>Ranking Score (Total Points)</b>	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 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:

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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 .

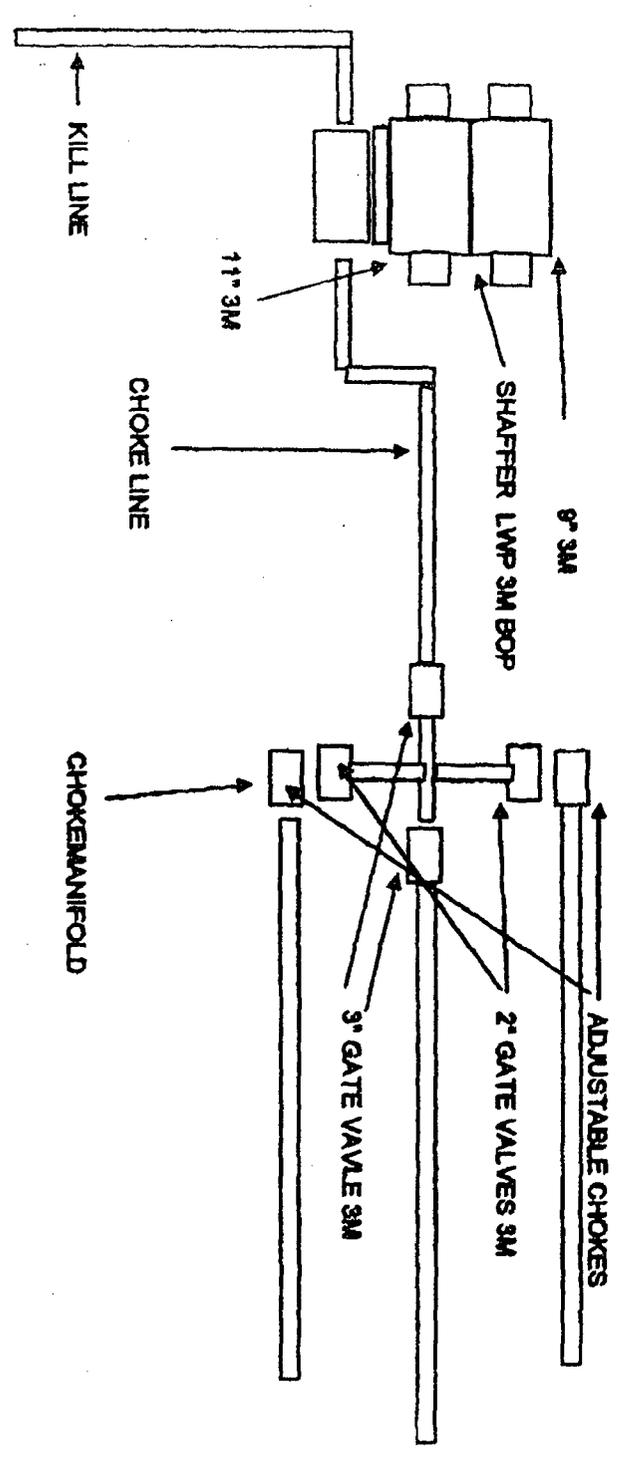
Date: 7-19-2005  
Printed Name/Title MARK GARZA DRILLING ENGINEER Signature *Mark Garza*

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: ORIGINAL SIGNED BY **PAUL F. KAUTZ** Signature *Paul F. Kautz* Date: **JUL 25 2005**  
Printed Name/Title PETROLEUM ENGINEER

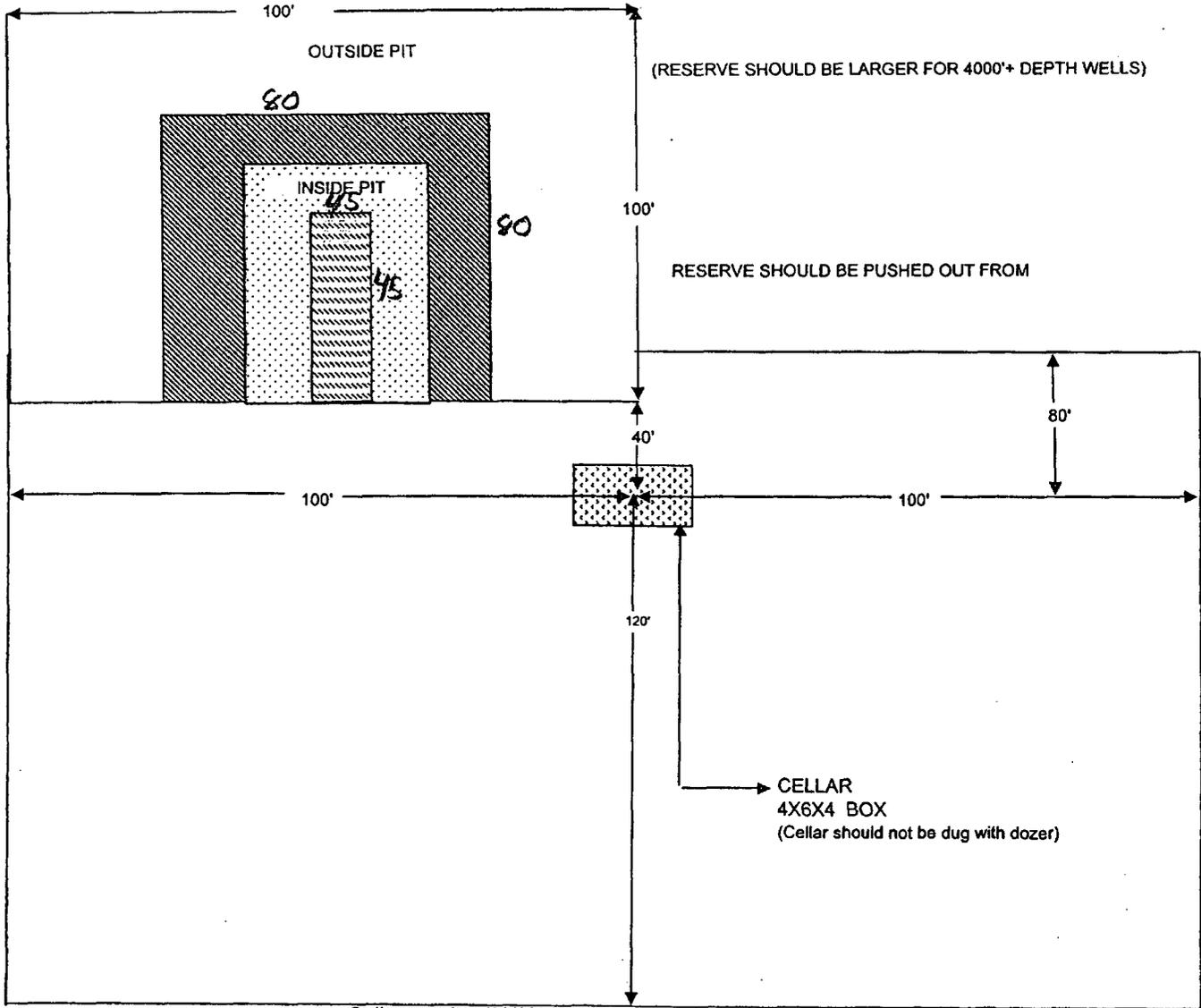
BOP

CHOP STRIP # 22



Rig 22 4/5/05

CapStar Drilling, Inc.  
LOCATION SPECIFICATIONS  
FOR STEEL PITS



Cellar can be 4X4X4 if using a screw-on wellhead

State of New Mexico

Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-025-37385</b>	Pool Code <b>50350</b>	Pool Name <b>PENROSE SKELLY GRAYBURG</b>
Property Code <b>2678</b>	Property Name <b>MARK</b>	Well Number <b>13</b>
OGRID No. <b>4323</b>	Operator Name <b>CREVRON U.S.A. INC.</b>	Elevation <b>3395'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	3	22-S	37-E		1678	NORTH	1425	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No. <b>NSL 5227</b>
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4	LOT 3	LOT 2	LOT 1
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=519773.0 N X=866222.9 E</p> <p>LAT.=32°25'24.16" N LONG.=103°08'47.40" W</p>			

**OPERATOR CERTIFICATION**

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

*Denise Pinkerton*  
Signature

Denise Pinkerton  
Printed Name

Regulatory Specialist  
Title

7-19-2005  
Date

**SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 2, 2005

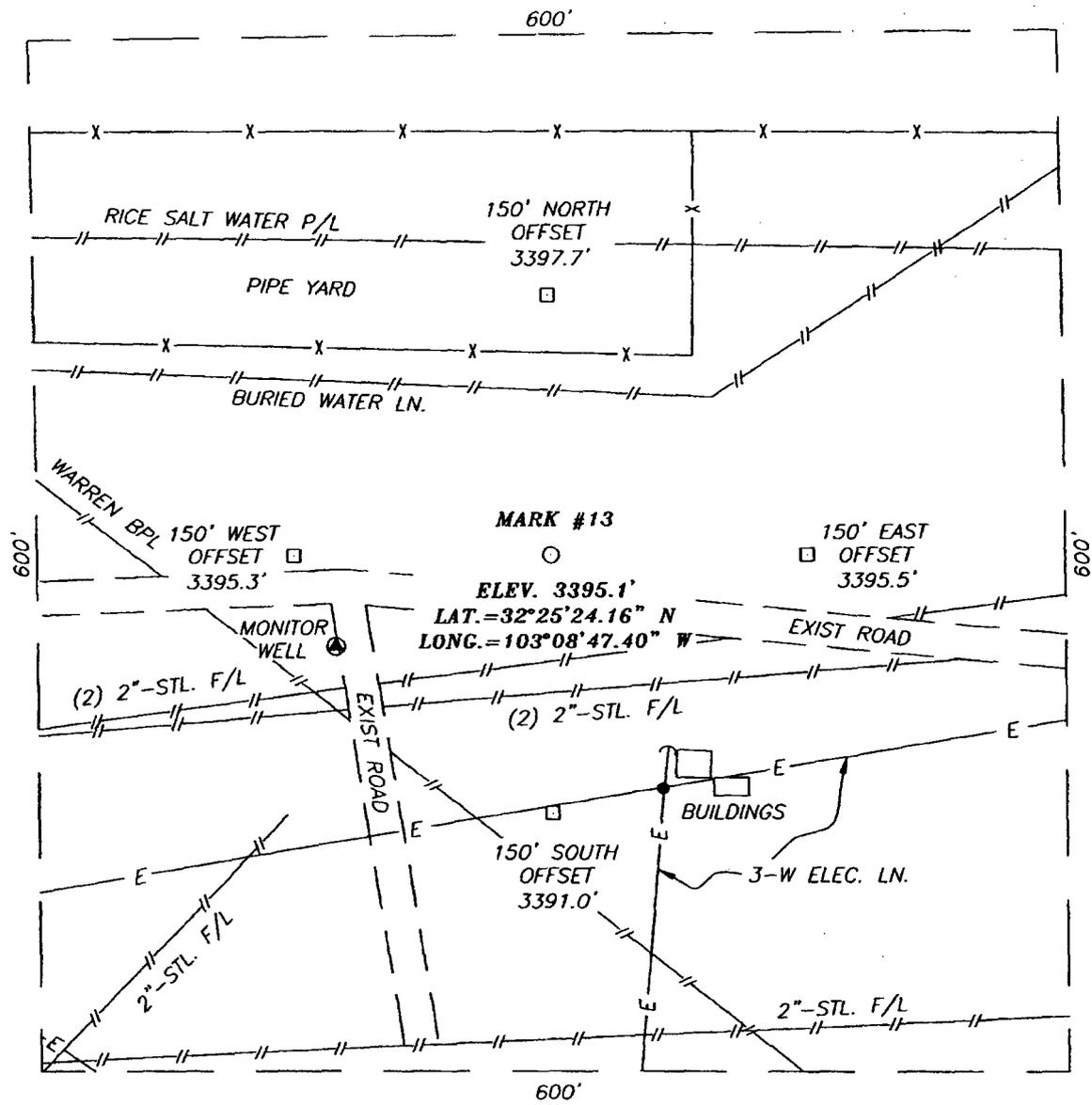
Date Surveyed \_\_\_\_\_ JR

Signature & Seal of  
Professional Surveyor

*Gary Edson*  
05.11.0847

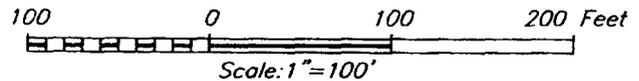
Certificate No. GARY EDSON 12641

SECTION 3, TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #207 (MAIN ST.) AND ST. HWY. #234 (TEXAS ST. IN EUNICE) GO EAST ON ST. HWY. #234 FOR APPROX. 0.6 MILES. TURN RIGHT ONTO 4th ST. AND GO SOUTH/SE FOR APPROX. 0.6 MILES. TURN RIGHT ONTO MIDDLE PLANT RD. AND GO WEST FOR APPROX. 0.1 MILES. TURN LEFT (SOUTH) AND GO APPROX. 0.2 MILES. TURN LEFT (EAST) AND GO APPROX. 0.1 MILES. THIS LOCATION IS APPROX. 100' EAST.



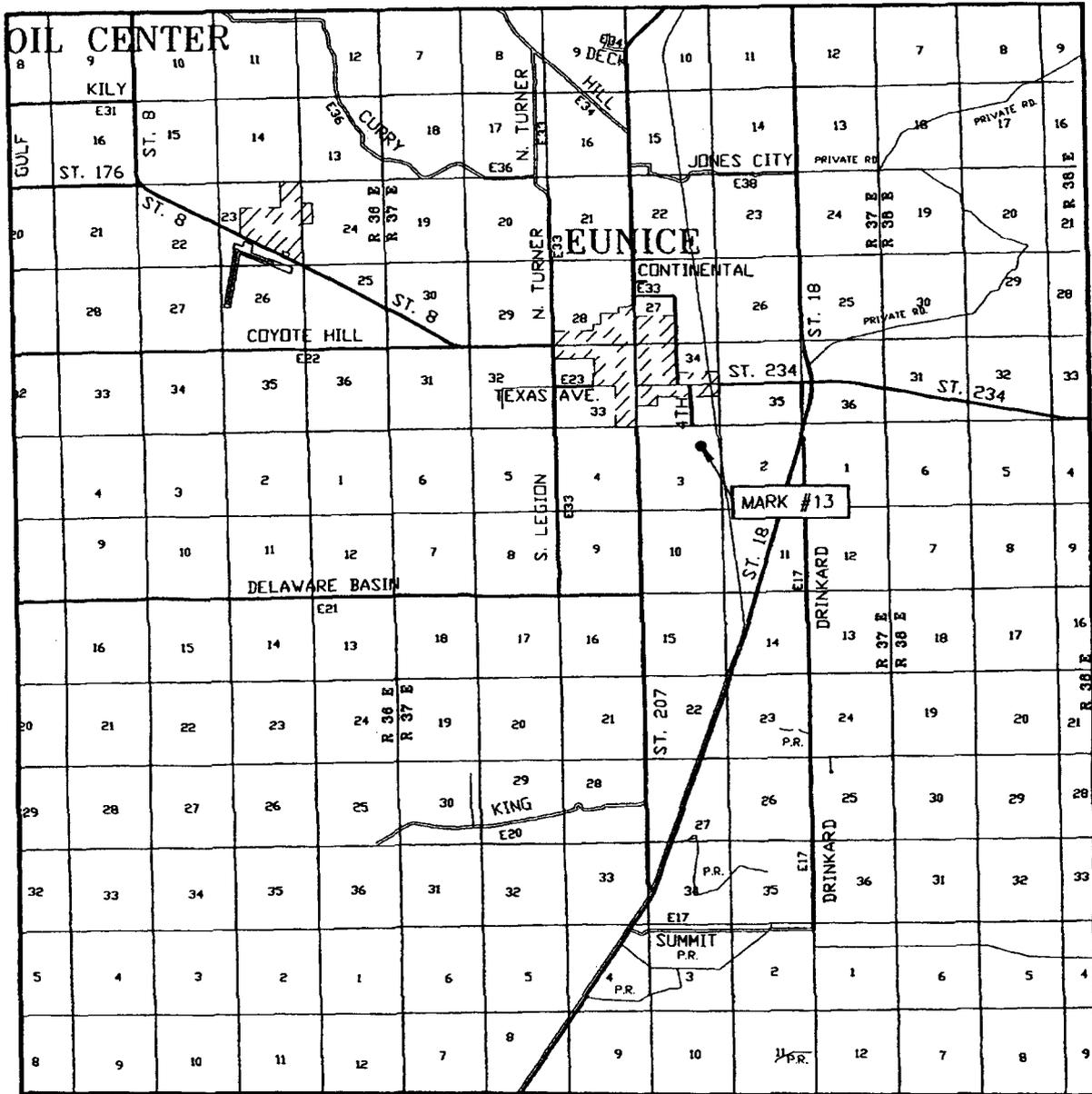
**CHEVRONTEXACO CORPORATION**

MARK #13 WELL  
LOCATED 1678 FEET FROM THE NORTH LINE  
AND 1425 FEET FROM THE EAST LINE OF SECTION 3,  
TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

Survey Date: 06/02/05	Sheet 1 of 1 Sheets
W.O. Number: 05.11.0847	Dr By: J.R.
Date: 06/08/05	Rev 1:N/A
Disk: CD#5	Scale: 1"=100'

PROVIDING SURVEYING SERVICES  
SINCE 1948  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(505) 393-3117

# VICINITY MAP



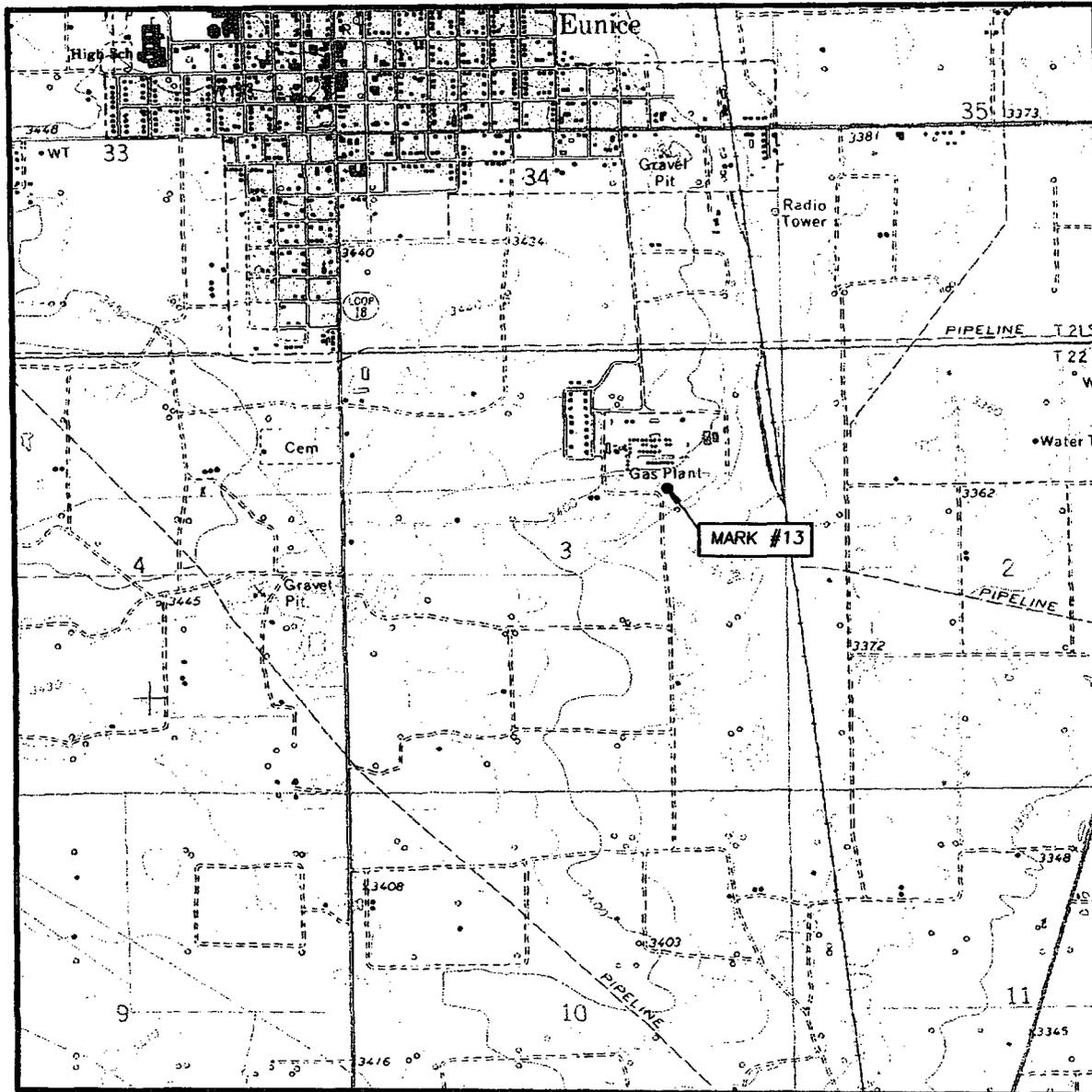
SCALE: 1" = 2 MILES

SEC. 3 TWP. 22-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1678' FNL & 1425' FEL  
 ELEVATION 3395'  
 OPERATOR CHEVRONTEXACO CORPORATION  
 LEASE MARK



**PROVIDING SURVEYING SERVICES**  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (505) 393-3117

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
EUNICE, N.M. - 10'

SEC. 3 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

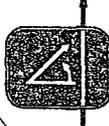
DESCRIPTION 1678' FNL & 1425' FEL

ELEVATION 3395'

OPERATOR CHEVRONTEXACO CORPORATION

LEASE MARK

U.S.G.S. TOPOGRAPHIC MAP  
EUNICE, N.M.



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