

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

¹ Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD, MIDLAND, TX 79705		² OGRID Number 4323 ✓
³ Property Code 2683 ✓	³ Property Name H. T. MATTERN "C"	⁴ API Number 30-025-37109
⁹ Proposed Pool 1 PENROSE SKELLY GRAYBURG ✓ 50350		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. 2/E	Section 18	Township 21-S	Range 37-E	Lot Idn	Feet from the 1980'	North/South line NORTH	Feet from the 710'	East/West line WEST	County LEA
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8 Proposed 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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3511'
¹⁶ Multiple N	¹⁷ Proposed Depth 4350'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 5-02-05
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: _____				
Closed-Loop System <input type="checkbox"/> SEE C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air				

21 Proposed Casing and Cement Program

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

²² 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

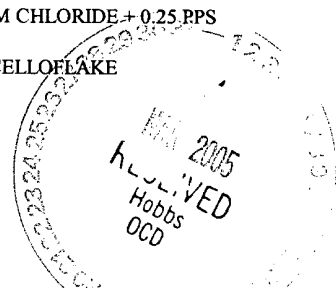
TAIL IN W/400 SX (50:50) POZ (FLY ASH) CLASS C CMT W/5% SODIUM CHLORIDE + 2% BENTONITE + 0.25 PPS CELLOFLAKE

SLURRY PROPERTIES: 12.4 PPG, 2.15 FT3/SK, 11.97 GPS MIX WATER &

14.2 PPG, 1.35 FT3/SK, 6.33 PGS MIX WATER

BOP PROGRAM: SEE ATTACHED DIAGRAM

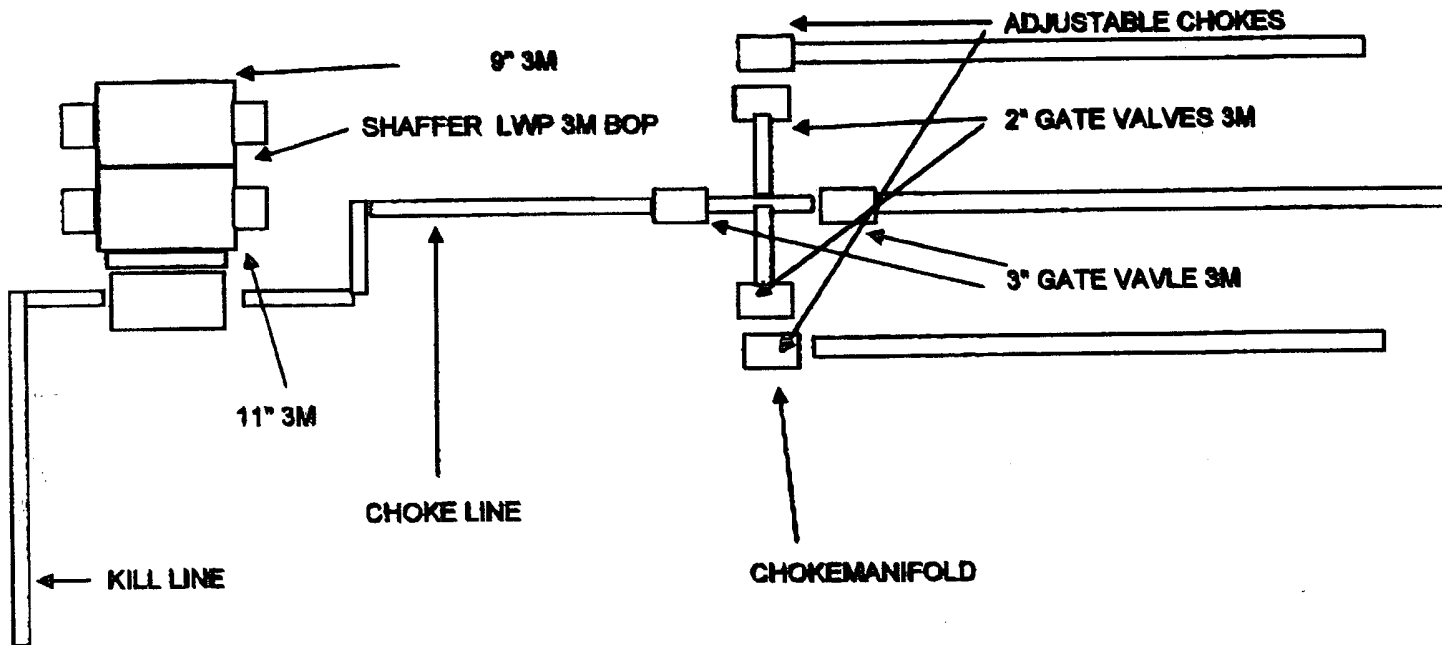
Permit Expires 1 Year From Approval
Date Unless Drilling Underway



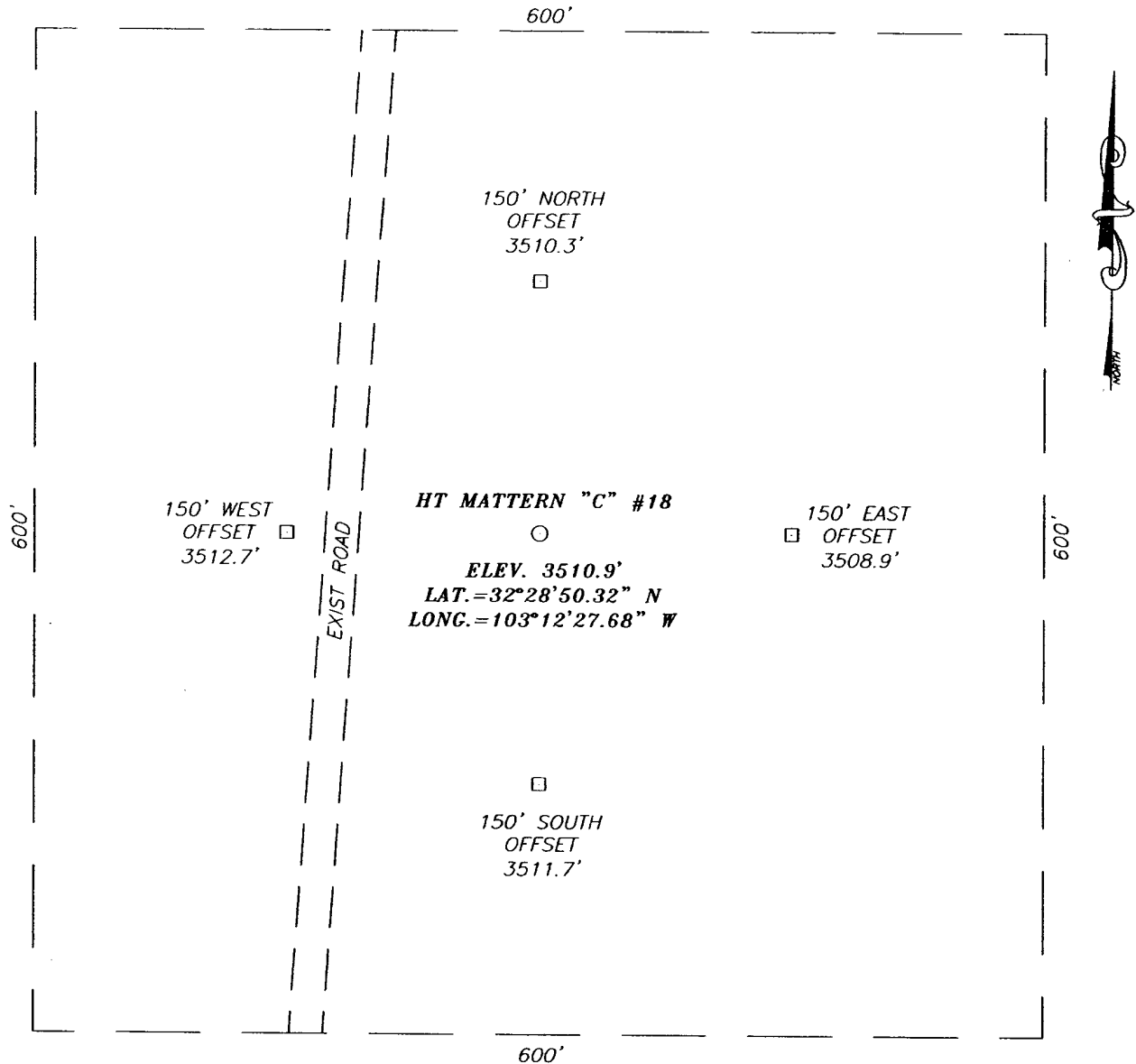
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved by: _____	
	Title: PETROLEUM ENGINEER	
	Approval Date: _____	Expiration Date: _____
	MAR 02 2005	
Printed name: DENISE PINKERTON <i>Denise Pinkerton</i>	Conditions of Approval Attached <input type="checkbox"/>	
Title: REGULATORY SPECIALIST		
E-mail Address: LEAKEJD@CHEVRONTXACO.COM		
Date: 2-28-2005	Phone: 432-687-7375	

BOP

CAPSTAR #12

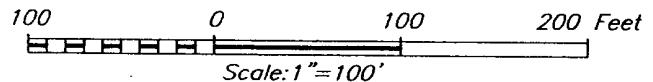


SECTION 18, TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

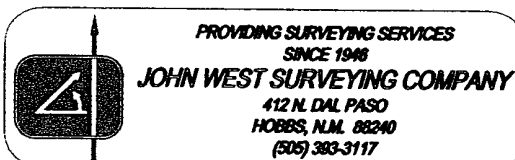
FROM THE INTERSECTION OF ST. HWY. #8 AND CO. RD. #33 (N. TURNER RD.) GO NORTH ON CO. RD. #33 FOR APPROX. 2.0 MILES. TURN LEFT (WEST) ON CO. RD. #36 (CURRY RD.) AND GO APPROX. 1.7 MILES. TURN RIGHT (NORTH) AND GO APPROX. 0.4 MILES. PROPOSED LOCATION IS APPROX. 120' EAST.



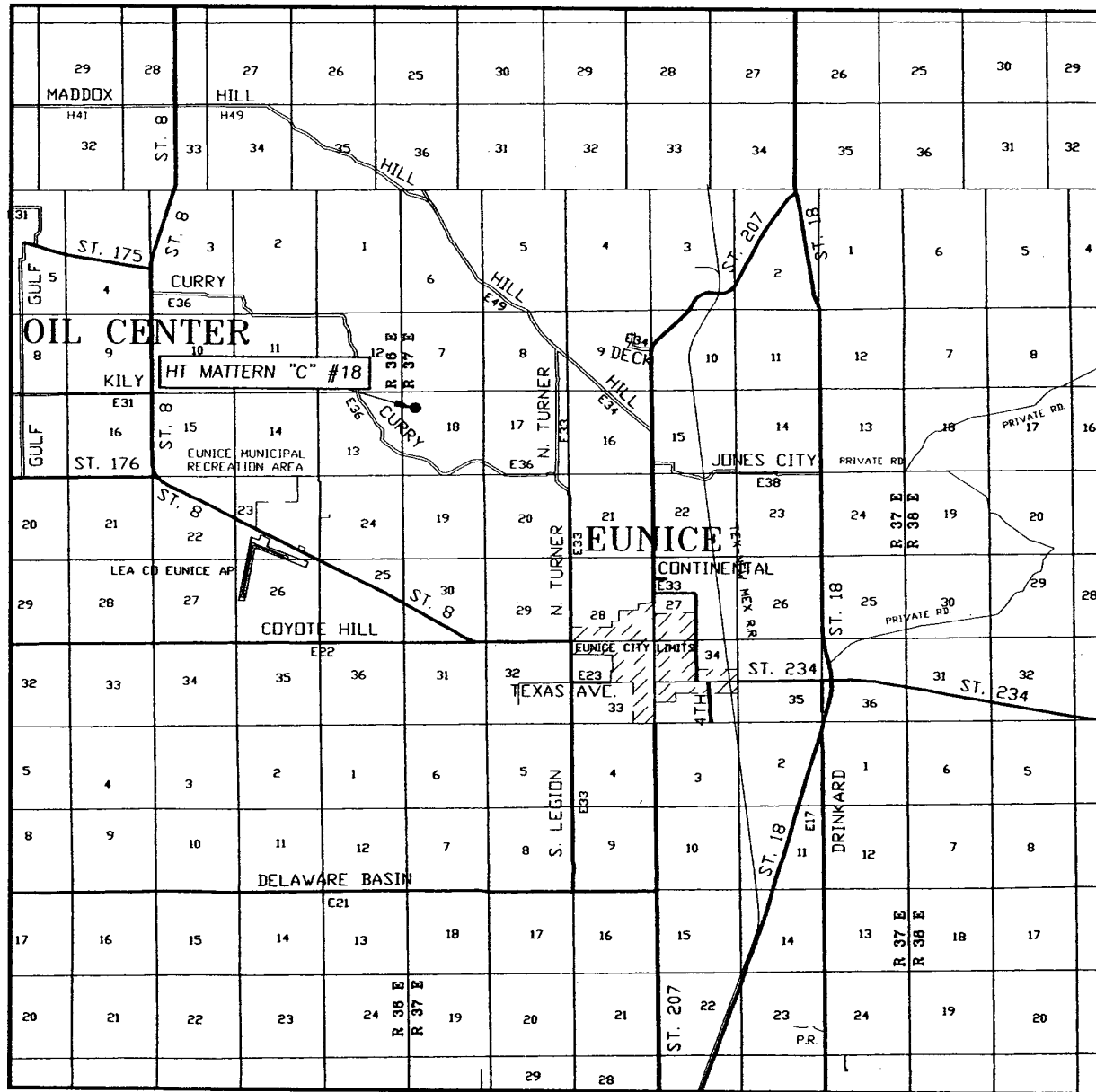
CHEVRON U.S.A., INC.

HT MATTERN "C" #18 WELL
 LOCATED 1980 FEET FROM THE NORTH LINE
 AND 710 FEET FROM THE WEST LINE OF SECTION 18,
 TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO.

Survey Date: 1/12/05	Sheet 1 of 1 Sheets
W.O. Number: 04.11.1714	Dr By: J.R.
Date: 1/13/05	Disk: CD#5
04111714	Scale: 1"=100'



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 18 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

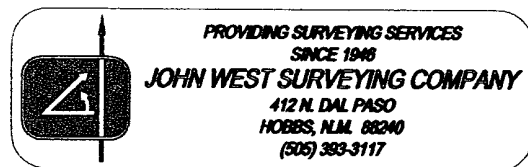
COUNTY LEA

DESCRIPTION 1980' FNL & 710' FWL

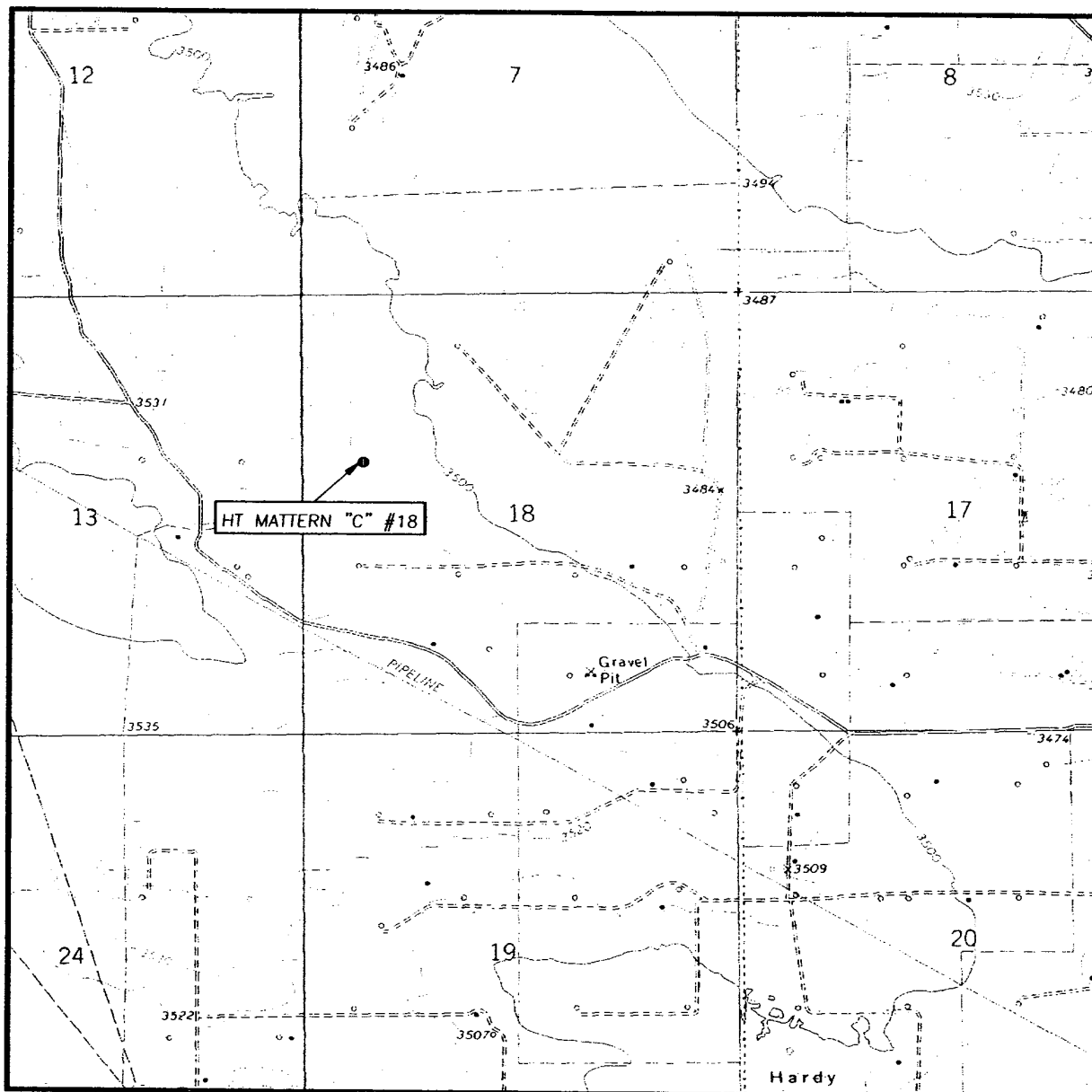
ELEVATION 3511'

OPERATOR CHEVRON U.S.A., INC.

LEASE HT MATTERN "C"



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 18 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

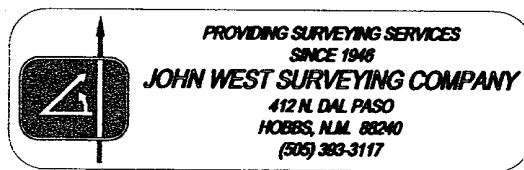
DESCRIPTION 1980' FNL & 710' FWL

ELEVATION 3511'

OPERATOR CHEVRON U.S.A., INC.

LEASE HT MATERN "C"

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



DISTRICT I
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DISTRICT II
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1000 Rio Brazos Rd., Aztec, NM 87410

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1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

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 30.025.37109	Pool Code 50350	Pool Name Penrose Shelly Grayburg
Property Code 2683	Property Name HT MATTERN "C"	Well Number 18
OGRID No. 4323	Operator Name CHEVRON U.S.A., INC.	Elevation 3511'

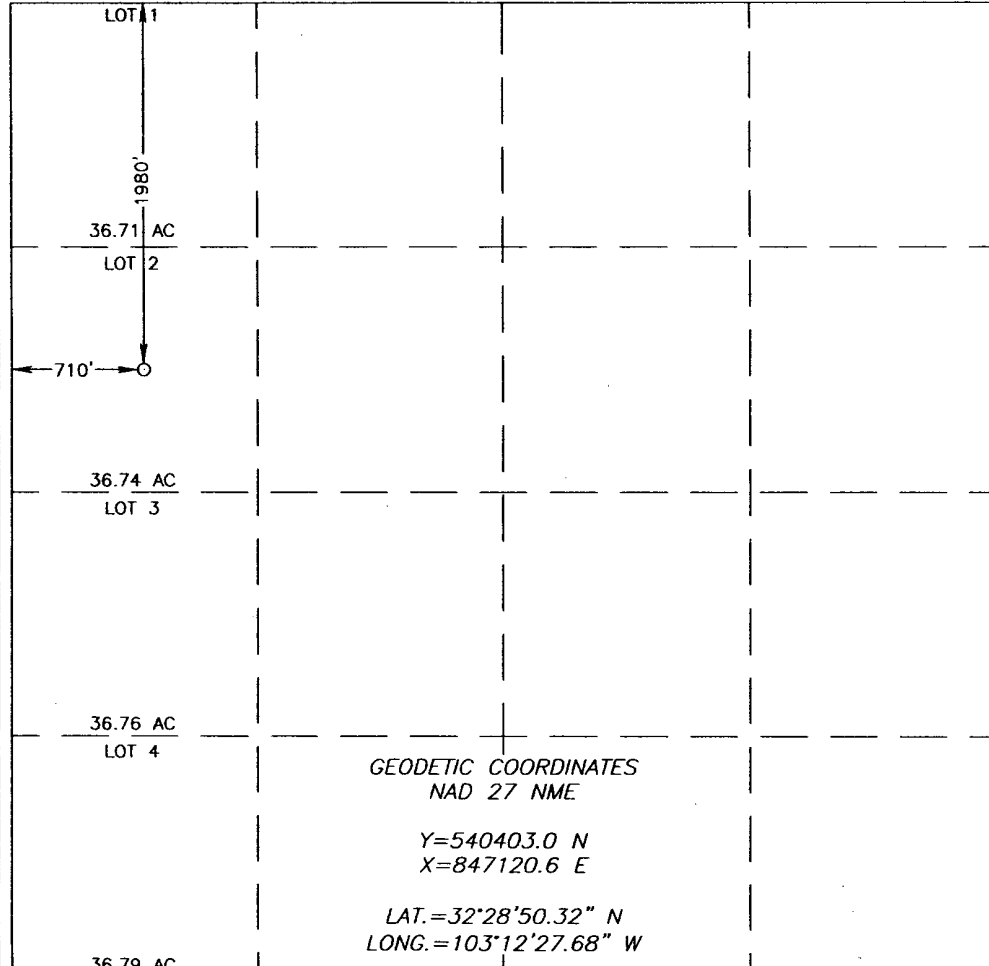
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	18	21-S	37-E		1980	NORTH	710	WEST	LEA

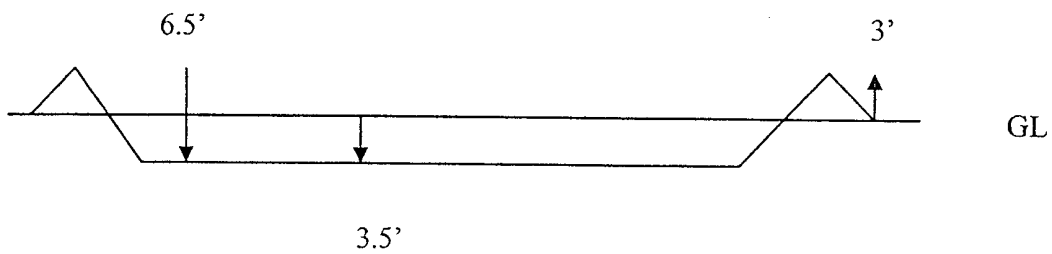
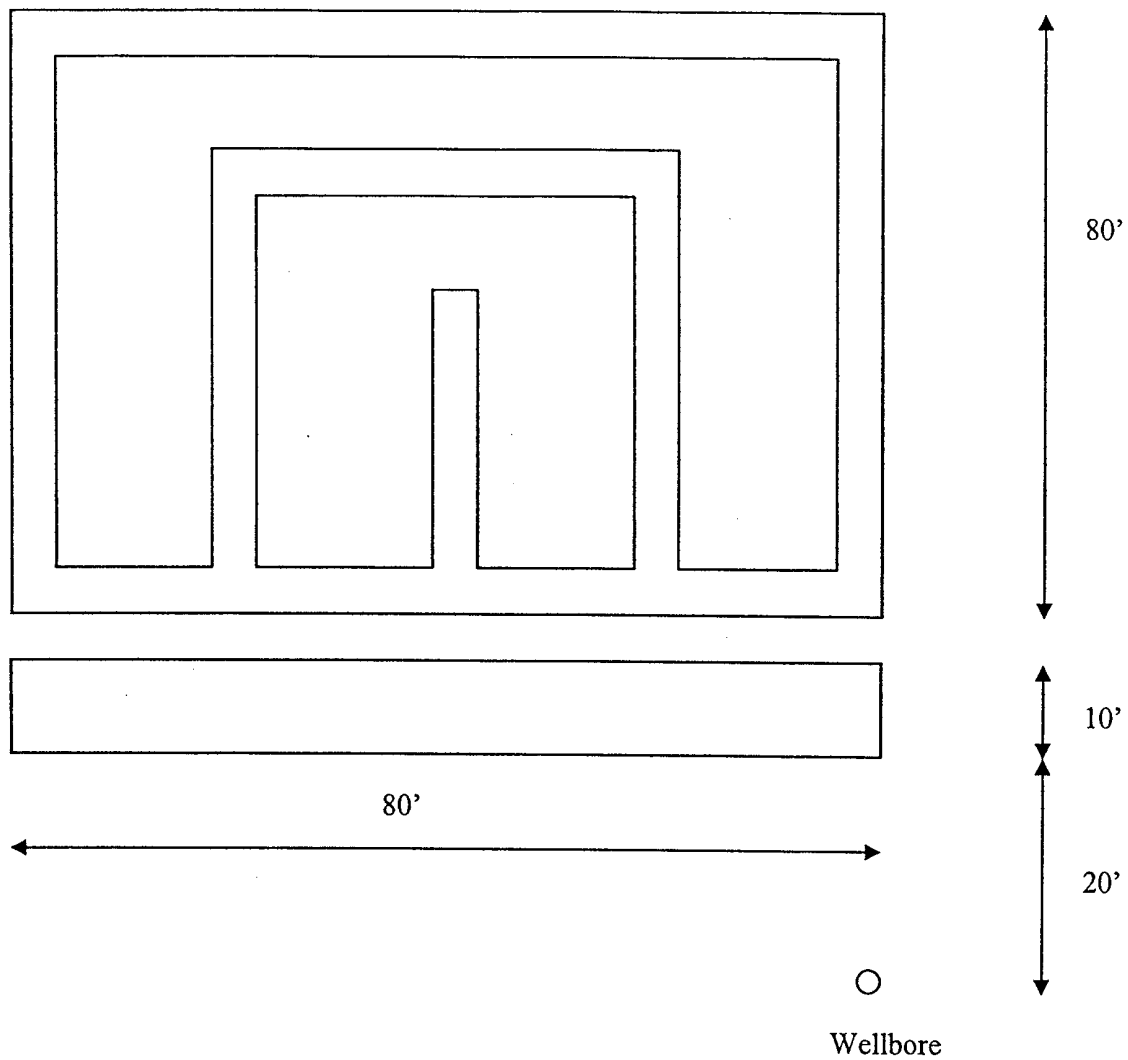
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill	Consolidation Code	Order No.					

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature Denise Pinkerton</p> <p>Printed Name DENISE PINKERTON</p> <p>Title Regulatory Specialist</p> <p>Date 2-28-05</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>JANUARY 12, 2005</p> <p>Date Surveyed JR</p> <p>Signature & Seal of Professional Surveyor GARY G. EIDSON</p> <p>12641</p>
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CapStar #16 Pit Design



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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@CHEVRONTTEXACO.COM

Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705 30-025-37109

Facility or well name: H. T. MATTERN "C" #18 API #: NEW U/L or Qtr/Qtr E Sec 18 T 21-S R 37-E

County: LEA Latitude 32 28'50.32" N Longitude 103 12'27.68" W NAD: 1927 ☐ 1983 ☐

Surface Owner: Private

Pit Type: Drilling Lined Liner type: Synthetic <input type="checkbox"/> Thickness 20 mil Pit Volume 4106 bbl	Below-grade tank 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.)	Less than 50 feet (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (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 (20 points) No (0 points)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet (20 points) 200 feet or more, but less than 1000 feet (10 points) 1000 feet or more (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 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:

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: 2-28-2005

Printed Name/Title MARK GARZA

Signature

Drilling Engineer

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

PETROLEUM ENGINEER

Signature

Date: MAR 02 2005