

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, TEXAS 79705		² OGRID Number 4323
		³ API Number 30-025-37186
⁴ Property Code 2701	⁵ Property Name MARK OWEN	⁶ Well No. 10
⁹ Proposed Pool 1 PENROSE SKELLY GRAYBURG 50350		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	34	21-S	37-E		400'	SOUTH	1480'	EAST	LEA

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

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 3413'
¹⁶ Multiple N	¹⁷ Proposed Depth 4350'	¹⁸ Formation GRAYBURG	¹⁹ Contractor	²⁰ Spud Date 6-23-2005
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:				
Closed-Loop System <input type="checkbox"/> SEE C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/>				

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	CIRCULATE
7 7/8"	5 1/2"	15.5#	4350'	1000 SX	CIRCULATE

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 + 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 GPS MIX WATER

BOP PROGRAM: SEE ATTACHED DIAGRAM

REFERENCE ORDER NO. NSL-5187 (SD)



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 , a general permit , or an (attached) alternative OCD-approved plan .

OIL CONSERVATION DIVISION

Approved by:

Denise Pinkerton

Printed name: DENISE PINKERTON

Title:

PETROLEUM ENGINEER

Title: REGULATORY SPECIALIST

Approval Date: APR 11 2005

Expiration Date:

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

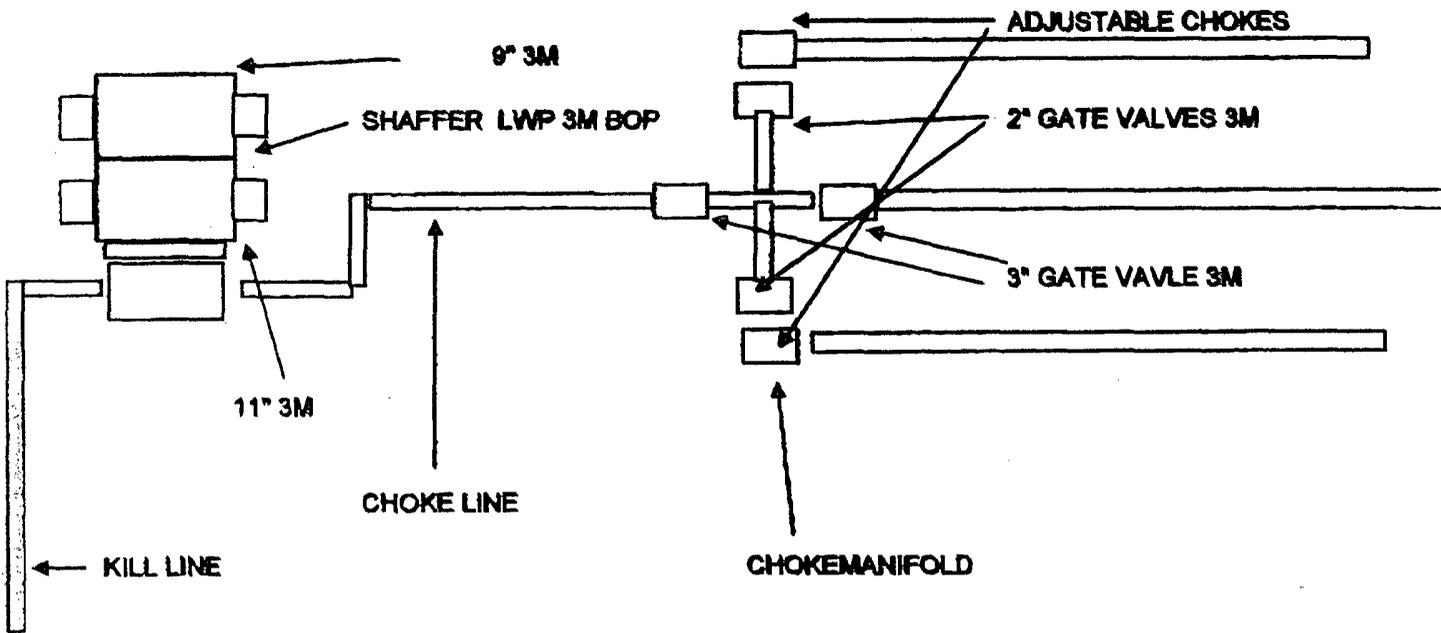
Date: 4-07-2005

Phone: 432 - 687-7375

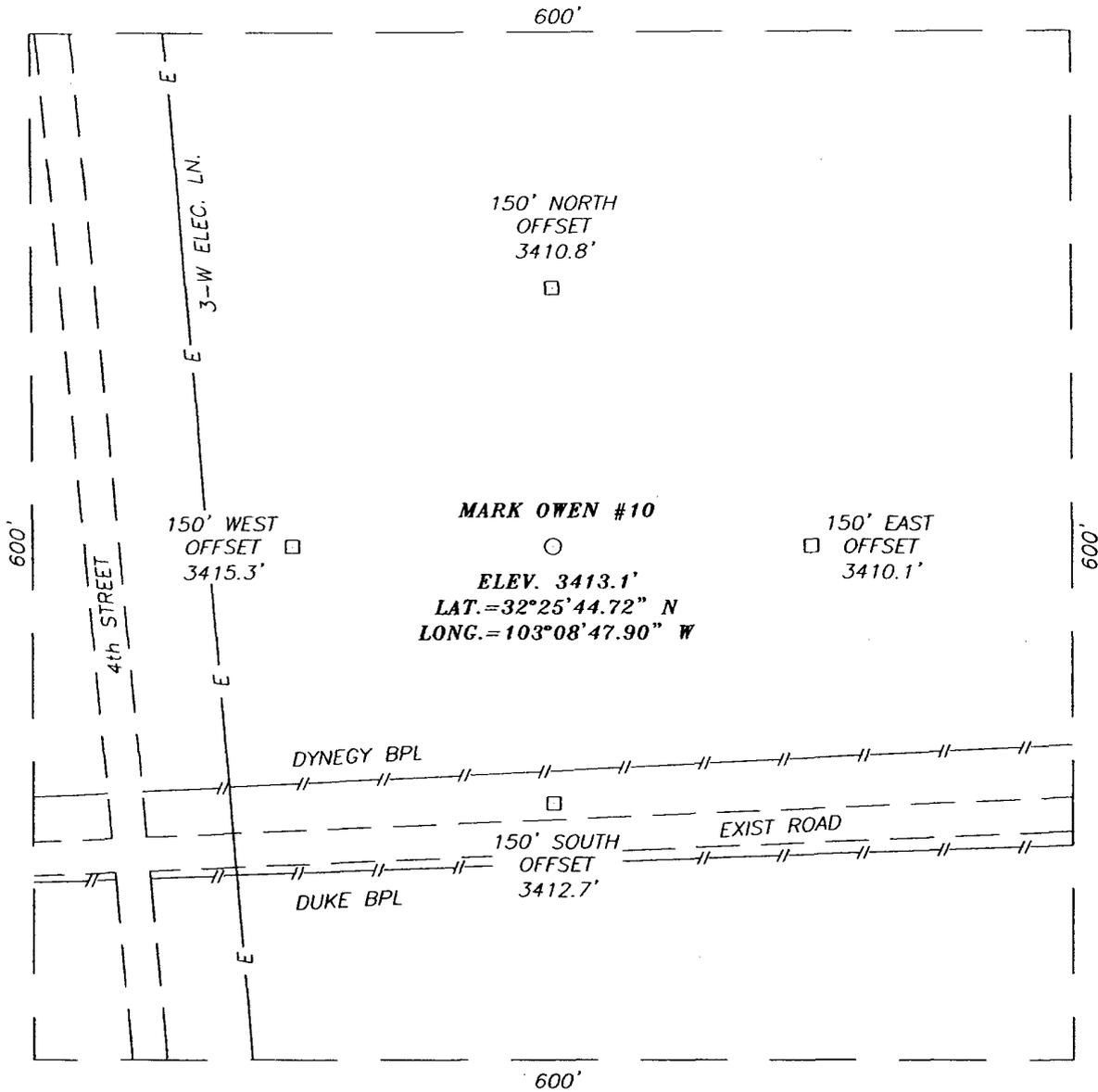
Conditions of Approval Attached

BOP

CAPSTAR #12

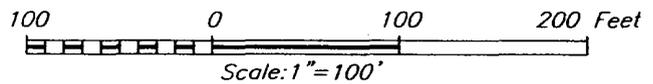


SECTION 34, TOWNSHIP 21 SOUTH, RANGE 37 EAST, N.M.P.M.,
 LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #234 AND 4th STREET, GO SOUTH ON 4th STREET FOR APPROX. 0.4 MILES. PROPOSED LOCATION IS APPROX. 250' EAST.



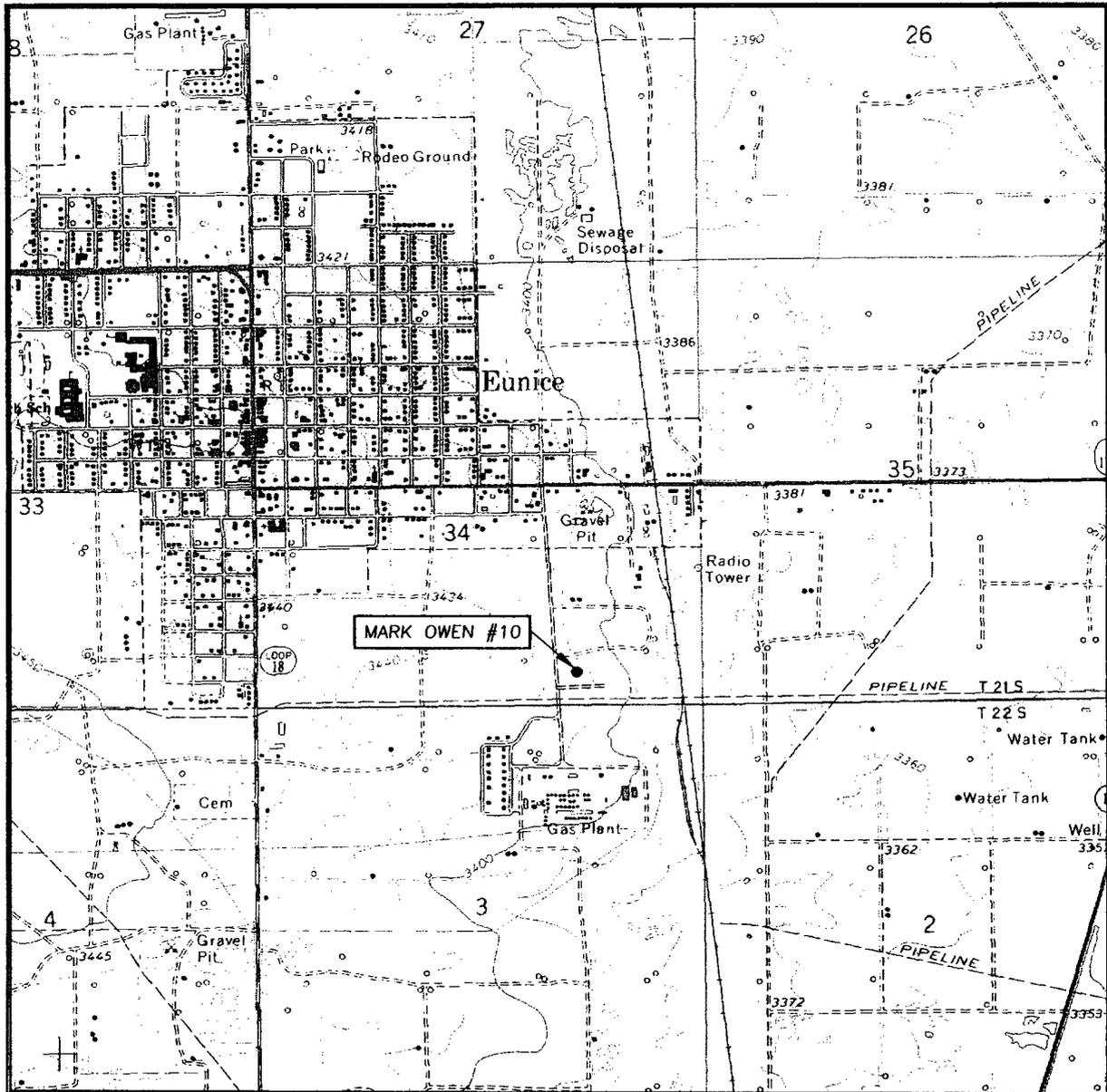
CHEVRON U.S.A., INC.

MARK OWEN #10 WELL
 LOCATED 400 FEET FROM THE SOUTH LINE
 AND 1480 FEET FROM THE EAST LINE OF SECTION 34,
 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: 04.11.1721	Dr By: J.R.	Rev 1:N/A	
Date: 1/14/05	Disk: CD#5	04111721	Scale: 1"=100'

PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 383-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 34 TWP. 21-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 400' FSL & 1480' FEL

ELEVATION 3413'

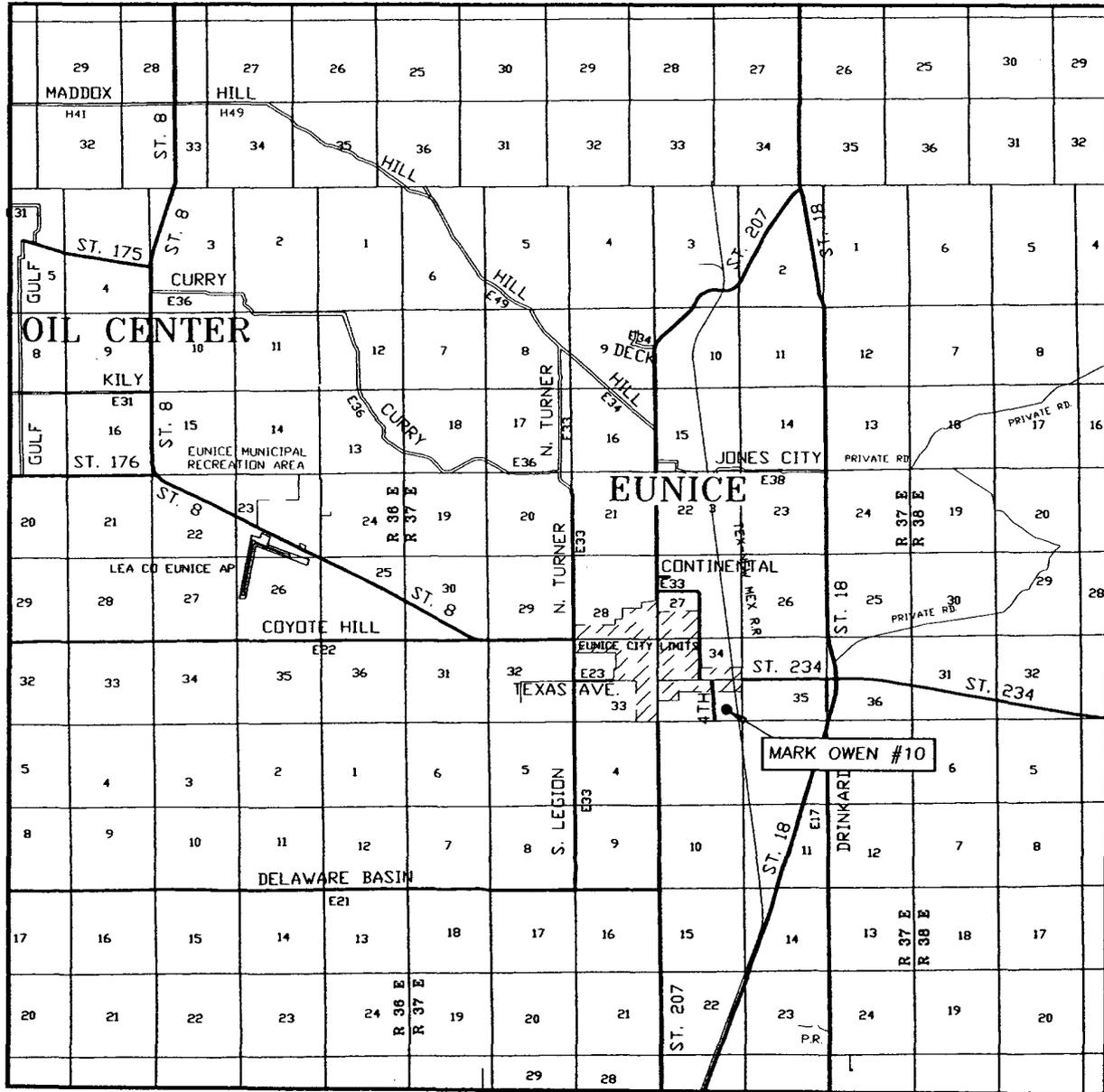
OPERATOR CHEVRON U.S.A., INC.

LEASE MARK OWEN

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

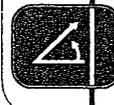
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 383-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 34 TWP. 21-S RGE. 37-E
 SURVEY N.M.P.M.
 COUNTY LEA
 DESCRIPTION 400' FSL & 1480' FEL
 ELEVATION 3413'
 OPERATOR CHEVRON U.S.A., INC.
 LEASE MARK OWEN



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
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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

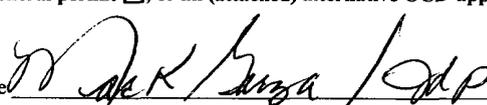
Operator: CHEVRON U.S.A. INC. Telephone: 432-687-7375 e-mail address: LEAKEJD@CHEVRONTEXACO.COM
Address: 15 SMITH ROAD, MIDLAND, TEXAS 79705
Facility or well name: MARK OWEN #10 API #: 30-025-37186 U/L or Qtr/Qtr O Sec 34 T 21-S R 37-E
County: LEA Latitude 32 25' 44.72" N Longitude 103 08' 47.90" W NAD: 1927
Surface Owner: Private

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

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.

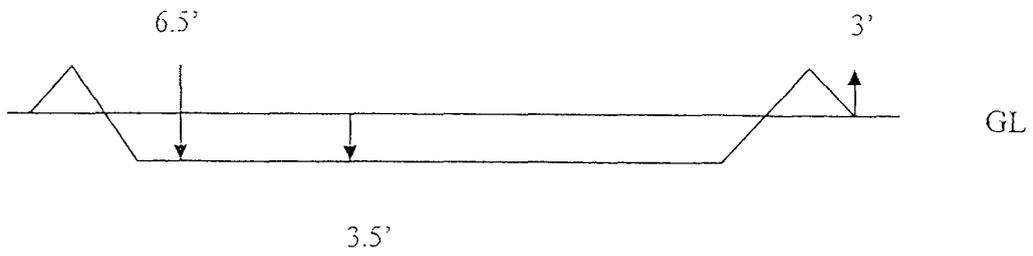
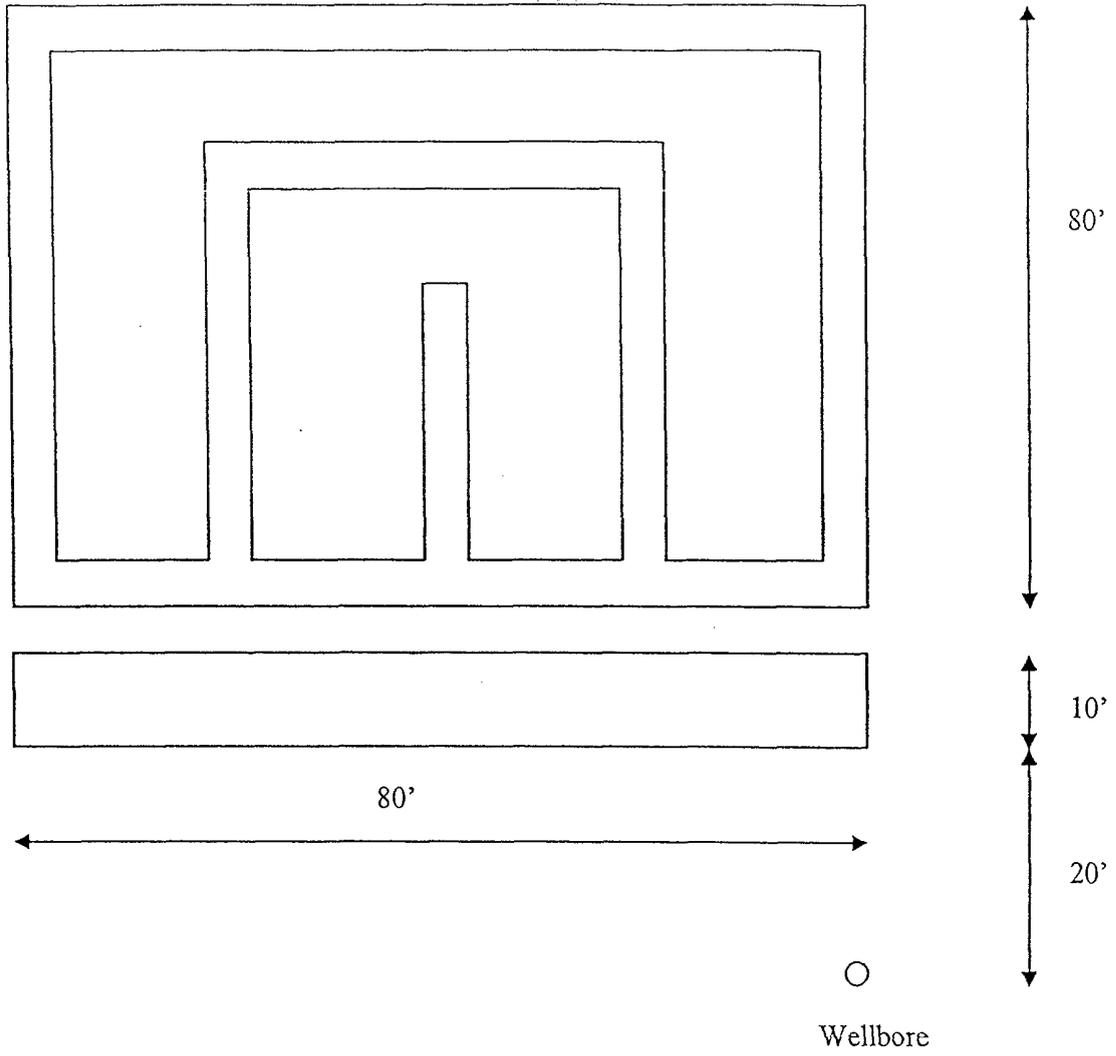
Additional Comments:

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: 4-07-2005
Printed Name/Title MARK GARZA DRILLING ENGINEER 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 APR 11 2005 Signature ORIGINAL SIGNED BY PAUL E. KAUTZ PETROLEUM ENGINEER Date: _____

CapStar #16 Pit Design



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 30-025-37186	Pool Code 50350	Pool Name Pamose Skelly Grayburg
Property Code 2701	Property Name MARK OWEN	Well Number 10
OGRID No. 4323	Operator Name CHEVRON U.S.A., INC.	Elevation 3413'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	34	21-S	37-E		400	SOUTH	1480	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 40	Joint or Infill	Consolidation Code	Order No. NSL 5187
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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

<p>GEODETTIC COORDINATES NAD 27 NME</p> <p>Y=521850.0 N X=866156.7 E</p> <p>LAT.=32°25'44.72" N LONG.=103°08'47.90" W</p>	<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><i>Denise Pinkerton</i> Signature</p> <p>DENISE PINKERTON Printed Name</p> <p>Regulatory Specialist Title</p> <p>Date</p> <hr/> <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</p> <p><i>GARY G. EIDSON</i> GARY G. EIDSON 11/17/05</p> <p>12641 1721</p> <p>Certificate No. GARY EIDSON 12641</p> <p>REGISTERED PROFESSIONAL SURVEYOR</p>
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