

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 API Number 30 - 025-02271
⁴ Property Code 30022	⁵ Property Name VACUUM GRAYBURG SAN ANDRES UNIT	⁶ Well No. 24
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. 1	Section 2	Township 18-S	Range 34-E	Lot Idn	Feet from the 1980'	North/South line SOUTH	Feet from the 660'	East/West line EAST	County LEA
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no. K	Section 2	Township 18-S	Range 34-E	Lot Idn	Feet from the 2030'	North/South line SOUTH	Feet from the 2250'	East/West line WEST	County LEA
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Additional Well Information

¹¹ Work Type Code HORIZONTAL	¹² Well Type Code OIL	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4002' GR
¹⁶ Multiple NO	¹⁷ Proposed Depth 4710' VD	¹⁸ Formation GRAYBURG S/A	¹⁹ Contractor	²⁰ Spud Date 2-15-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> 20 mils thick Clay <input type="checkbox"/> Pit Volume: <u>See C-144</u> bbls Drilling Method: Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

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.

KICK OFF POINT - 4010'
TOP OF WINDOW - 4000'
BOTTOM OF WINDOW - 4007'
TARGET INTERVAL - 4380-4670'
LENGTH OF LATERAL - 2400'
PERFORATIONS - OPEN HOLE (SEE CURRENT WELLBORE DIAGRAM)

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

Horizontal

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 ☐.

Printed name: Denise Pinkerton *Denise Pinkerton*
Title: Regulatory Specialist
E-mail Address: leakejd@chevrontexaco.com
Date: 1-31-05 Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Paul J. [Signature]
Title: PETROLEUM ENGINEER

Approval Date: FEB 07 2005

Expiration Date:

Conditions of Approval Attached ☐

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-02271	² Pool Code 62180	³ Pool Name VACUUM GRAYBURG SAN ANDRES
⁴ Property Code	⁵ Property Name VACUUM GRAYBURG SAN ANDRES UNIT	⁶ Well Number 24
⁷ OGRID No. 4323	⁸ Operator Name CHEVRON U.S.A. INC.	⁹ Elevation 4002' GR

¹⁰ Surface Location

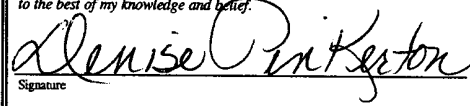
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	2	18-S	34-E		1980'	SOUTH	660'	EAST	LEA

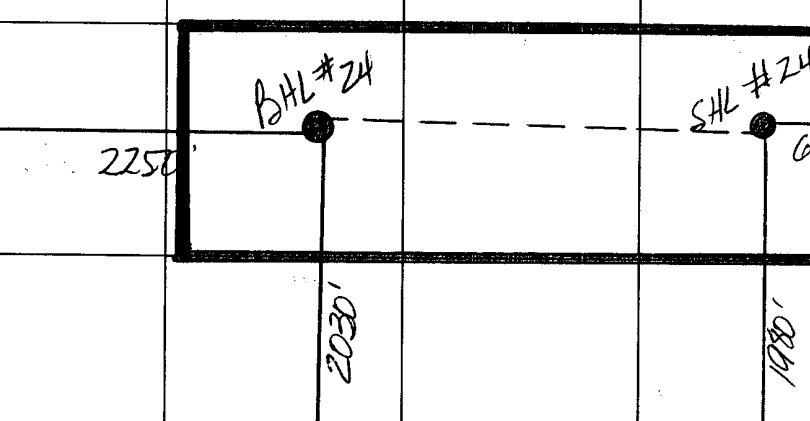
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	2	18-S	34-E		2030'	SOUTH	2250'	WEST	LEA

¹² Dedicated Acres 120	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

¹⁶ <div style="text-align: center; font-size: 2em; font-family: cursive;">See Map In Unit</div>	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature DENISE PINKERTON Printed Name REGULATORY SPECIALIST LEAKEJD@CHEVRONTEXACO.COM Title and E-mail Address 2-03-2005 Date	
	¹⁸ 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. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number	



**CURRENT
WELLBORE DIAGRAM**

Created:	2/21/2003	By: SMG/MCD	Well No.: 24	Field: Vacuum Grayburg San Andres
Updated:	3/11/2003	By: BJH	Unit Ltr: I	Sec: 2 TSHP/Range: 18S-34E
Lease:	Vacuum Grayburg San Andres Unit		Unit Ltr: J	Sec: 2 TSHP/Range: 18S-34E
Surface Location:	1980' FSL & 660' FEL		St Lease: B-1189	API: 30-025-02271
Bottomhole Location:	1976' FSL & 1772' FEL	St: NM	Elevation: 4002' GR	Cost Center: BCT492200
County:	Lea			
Current Status:	Active Oil Well			
Directions to Wellsite:	Buckeye, New Mexico			

Surface Casing

Size:	8 5/8"
Wt.:	32#
Set @:	1630'
Sxs cmt:	300
Circ:	Yes
TOC:	Surface, calc.
Hole Size:	10"

Production Casing

Size:	5 1/2"
Wt.:	17#
Set @:	4089'
Sxs Cmt:	200
Circ:	Yes
TOC:	2345', 60% fillup
Hole Size:	6 3/4"

Open Hole

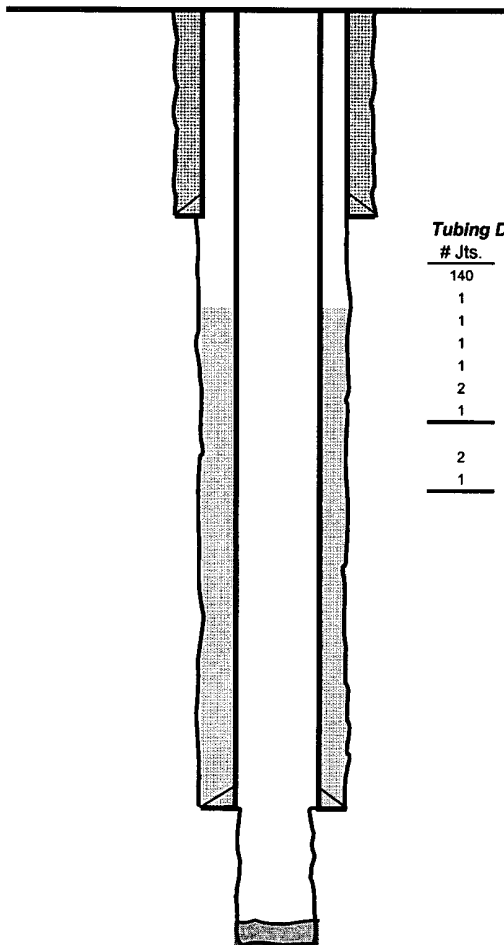
Hole Size:	6 1/4"
Original OH Depth:	4089'-4710'
Recompleted Horizontal OH Depth:	4230'-5570'

Vertical PBTD:	4694'
Original Vertical TD:	4710'

Top of Horizontal Window:	4221'
Bot of Horizontal Window:	4230'
Bot of Whipstock:	4230'
Lateral Open Hole:	4 3/4"
Horizontal Drilling Interval:	4221'-5570'
Horizontal TD:	5570'
TMD:	5570'
TVD:	4452.87'
VS:	1111.53'
Dog Leg:	0.51

Perforations:

4089'-4405': 4 3/4" OPEN HOLE
 4405'-4683': 6 1/4" OPEN HOLE (Mar-1981)
 4683'-4710': 4 3/4" OPEN HOLE



KB:	4014.2'
DF:	4013.2'
GL:	4002'

Original Spud Date:	9/11/1940
Original Compl. Date:	10/7/1940
Horizontal Spud Date:	9/14/1999
Horizontal Compl. Date:	9/23/1999

Tubing Detail

Date: 3/11/03

# Jts.	Size	Footage
140	2 3/8" J55 bare cl. 'B'	4394.85
1	2 3/8" Drain Valve	0.60
1	2 3/8" J55 Sub	4.00
1	2 3/8" Check Valve	0.60
1	2 3/8" J55 Sub	6
2	TD1200 Pump	19.00
1	Gas Separator	2.70
Pump Intake		4425.05
2	Seals	11.20
1	75 HP 1410/36 MOTOR	13.7
EOT		4449.95

Vertical TD: 4710'

Remarks:

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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@CHEVRONTXACO.COM
Address: 15 SMITH ROAD MIDLAND, TX 79705
Facility or well name: VACUUM GRAYBURG SAN ANDRES #24 API #: 30-025-02271 U/L or Qtr/Qtr I Sec 2 T 18-S R 34-E
County: LEA Latitude Longitude NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐
Liner type: Synthetic ☐ Thickness 20 mil Clay ☐
Pit Volume 1965 bbl

Below-grade tank

Volume: bbl Type of fluid:
Construction material:
Double-walled, with leak detection? Yes ☐ 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)
	<u>50 feet or more, but less than 100 feet</u>	<u>(10 points)</u>
	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)
	<u>No</u>	<u>(0 points)</u>
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)
	<u>1000 feet or more</u>	<u>(0 points)</u>
Ranking Score (Total Points)		<u>10</u>

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: 2-03-2005

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

Signature

Date:

PETROLEUM ENGINEER

FEB 07 2005

V6SAJ 24 H (upper lateral)

Key #117 Pit Design

