

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, TX 79705		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> API Number 30 - 025-08532
<sup>4</sup> Property Code 29923	<sup>5</sup> Property Name CENTRAL VACUUM UNIT	<sup>6</sup> Well No. 47
<sup>9</sup> Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		<sup>10</sup> Proposed Pool 2

**7 Surface Location**

UL or lot no. A	Section 31	Township 17-S	Range 35-E	Lot Idn	Feet from the 660'	North/South line NORTH	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. C	Section 31	Township 17-S	Range 35-E	Lot Idn	Feet from the 630'	North/South line NORTH	Feet from the 2450'	East/West line WEST	County LEA
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**Additional Well Information**

<sup>11</sup> Work Type Code D <i>Horizontal</i>	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3980' DF
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 4700'	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 07-01-05
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 ATTACHED C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

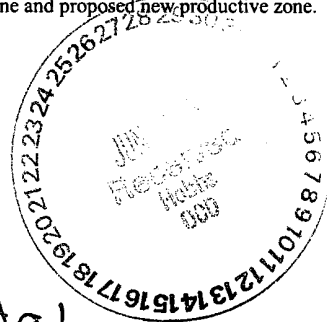
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

<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.

KICK OFF POINT - 4045'  
TOP OF WINDOW - 4035'  
BOTTOM OF WINDOW - 4042'  
TARGET INTERVAL - 4550' - 4700'  
LENGTH OF LATERAL - 2090'  
PERFORATIONS - OPEN HOLE LATERAL

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

*Horizontal*



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

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 6-22-2005

Phone: 432-687-7375

**OIL CONSERVATION DIVISION**

Approved by:

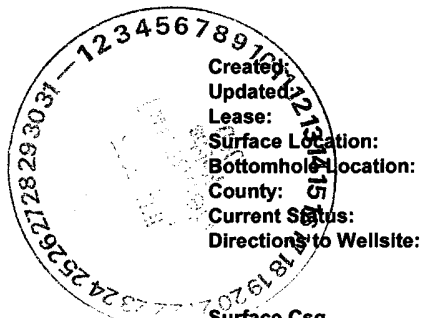
Title:

Approval Date: JUN 29 2005

Expiration Date:

Conditions of Approval Attached ☐

**CURRENT  
WELLBORE DIAGRAM**



Created: 11/19/2003  
 Updated: 2/5/2004  
 Lease: Central Vacuum Unit  
 Surface Location: 660' FNL & 660' FEL  
 Bottomhole Location: None  
 County: Lea  
 Current Status: Active Oil Well  
 Directions to Wellsite: Buckeye, New Mexico

By: SMG  
 By: GG  
 St: NM  
 Elevation: 3980' DF

Well No.: 47  
 Unit Ltr: A  
 Unit Ltr: B-2354  
 Sec: 31  
 TSHP/Range: 17S-35E  
 TSHP/Range:  
 API: 30-025-08532  
 Field: Vacuum Grayburg  
 Cost Center:  
 TEPI: BCT493000  
 MVP: BCT494500

**Surface Csg.**  
 Size: 8 5/8"  
 Wt.: 28#  
 Set @: 1558  
 Sxs cmt: 600  
 Circ: Yes  
 TOC: Surface, calc  
 Hole Size: 11"

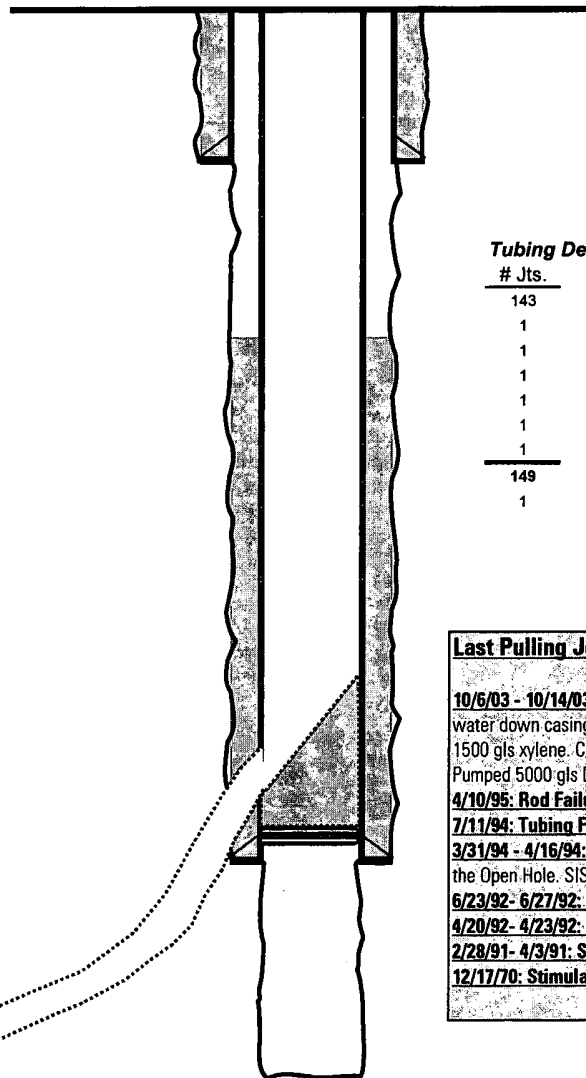
**Production Casing**  
 Size: 5 1/2"  
 Wt.: 15.5#  
 Set @: 4300  
 Sxs Cmt: 275  
 Circ: Yes  
 TOC: 2894', calc  
 Hole Size: 7 3/4"

**Open Hole**  
 Hole Size: 4 3/4"  
 Depth: 4300'-4710'

TD: 4710 ft

**Perforations:**  
 Open Hole: 4300'-4710'

Horizontal Completion Proposal:	
CIBP:	4,050'
Top of Window:	4,035'
Bottom of Window:	4,042'
Kick Off Point:	4,045'
Landing Point:	4,550'
Target Interval:	4,550'-4700'
Perforations:	Open Hole
Size Of Hole:	4 3/4"



KB: 10  
 DF: 3980'  
 GL: 3970'  
 Spud Date: 9/25/1938  
 Completion Date: 10/30/1938

Tubing Detail		Date:	Footage
# Jts.	Size		
143	2 7/8" J55 bare cl. 'B'		4478.00
1	2 7/8" drain valve		0.53
1	2 7/8" N-80 tbg sub		4.10
1	2 7/8" check valve		0.53
1	2 7/8" n-80 tbg sub		4.1
1	FC1800 pump		4.00
1	FC650 pump		13.00
149	Pump Intake		4504.26
1	seal 4" OD		5.63
	Motor 4.5"		12.15
	EOT		4517.65

**Last Pulling Jobs**

**10/6/03 - 10/14/03: Stimulation and convert to Sub:** Hot Oilier. Pumped 18 bbls. water down casing. Pulled and L/D tbg and packer. Plugged w/ paraffin. Pumped 1500 gls xylene. C/O Open hole f/ 4279' to 4710'. TIH w/ pkr and set @ 4246'. Pumped 5000 gls DAD acid f/ 4299' to 4710'. SIS.  
**4/10/95: Rod Failure:** Pin Break.  
**7/11/94: Tubing Failure:** Holes in 2 joints. Replaced them and RWTP.  
**3/31/94 - 4/16/94: Stimulation:** C/O to 4707'. Set pkr @ 4225'. Pumped 6000 gls in the Open Hole. SIS. RWTP.  
**6/23/92 - 6/27/92: Stimulation:** C/O to 4710'. Acid 4000 gls.  
**4/20/92 - 4/23/92: Stimulation:** C/O to 4710'. Acid w/ 4000 gls.  
**2/28/91 - 4/3/91: Stimulation:** C/O to PBTD. Acid w/ 6000 gls 15%.  
**12/17/70: Stimulation:** Acid w/ 4500 gls 28% Acid.

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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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-08532	<sup>2</sup> Pool Code 62180	<sup>3</sup> Pool Name VACUUM GRAYBURG SAN ANDRES
<sup>4</sup> Property Code 29923	<sup>5</sup> Property Name CENTRAL VACUUM UNIT	<sup>6</sup> Well Number 47
<sup>7</sup> OGRID No. 4323	<sup>8</sup> Operator Name CHEVRON U.S.A. INC.	<sup>9</sup> Elevation 3980' DF

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	31	17-S	35-E		660'	NORTH	660'	EAST	LEA

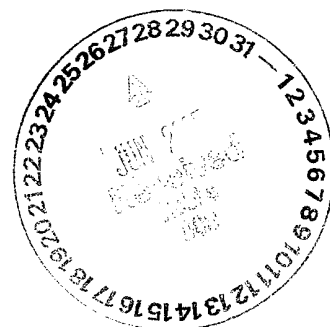
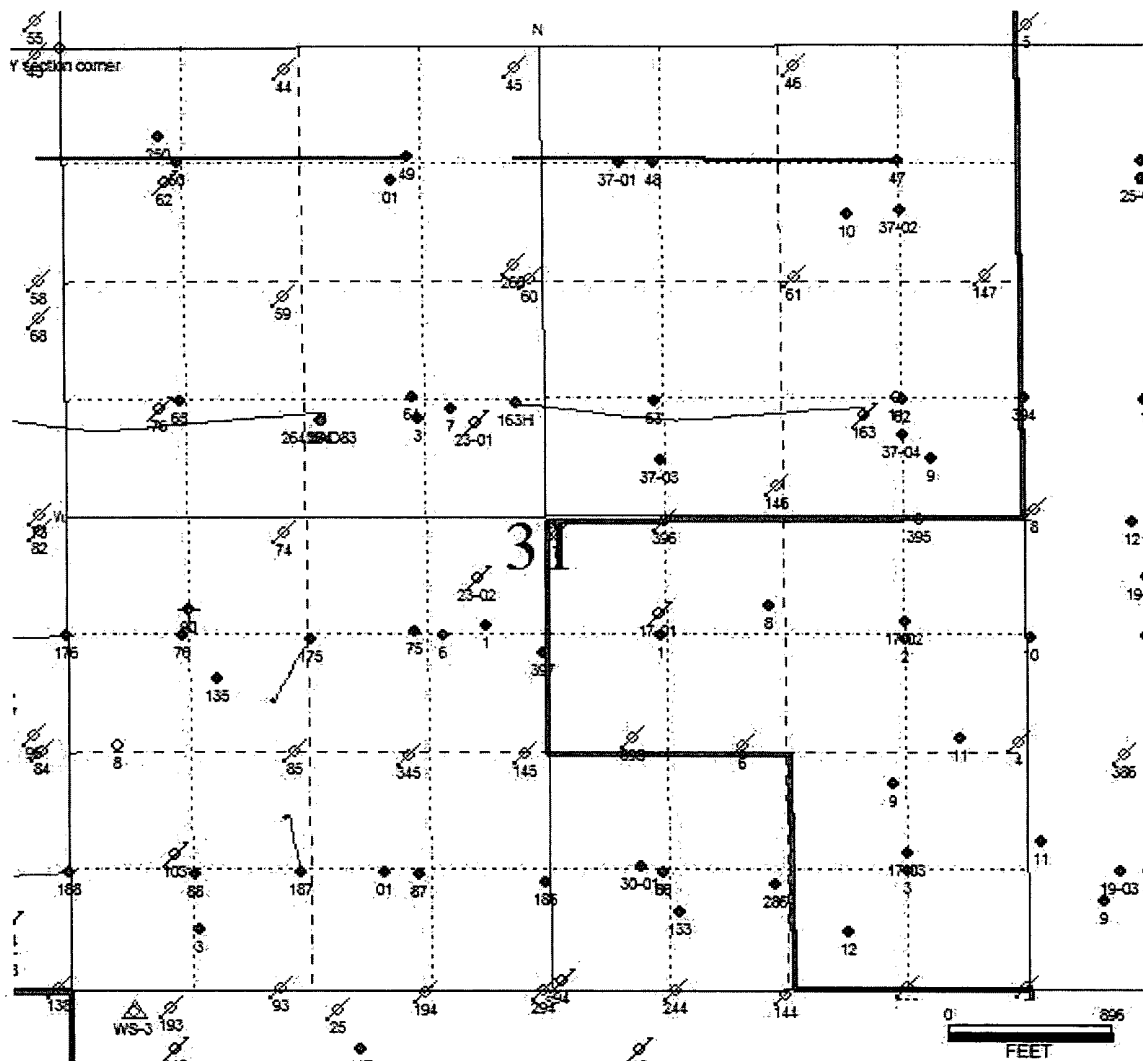
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	31	17-S	35-E		630'	NORTH	2450'	WEST	LEA

<sup>12</sup> Dedicated Acres 120	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Denise Pinkerton</i> Signature DENISE PINKERTON Printed Name REGULATORY SPECIALIST LEAKEJD@CHEVRONTXACO.COM Title and E-mail Address 6-22-2005 Date
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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
	<i>In Unit</i>



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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: CENTRAL VACUUM UNIT #47H API #: 30-025-08532 U/L or Qtr/Qtr A Sec 31 T 17-S R 35-E  
County: LEA Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐  
Surface Owner: STATE

<b>Pit</b> Type: Drilling  Lined Liner type: Synthetic <input type="checkbox"/> Thickness 20mil Clay <input type="checkbox"/> Pit Volume 1965 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 POINTS

**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: 6-23-2005

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

PETROLEUM ENGINEER

Signature

Date:

JUN 29 2005

Key #117 Pit Design

CVU #47 Horizontal

