

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 29923		⁴ API Number 30-025-02230
⁵ Property Name CENTRAL VACUUM UNIT		⁶ Well No. 51
⁹ Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. A	Section 36	Township 17-S	Range 34-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 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 470'	North/South line NORTH	Feet from the 2580'	East/West line WEST	County LEA
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Additional Well Information

¹¹ Work Type Code Horizontal	¹² Well Type Code O	¹³ Cable/Rotary ROTARY	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3991' GR
¹⁶ Multiple NO	¹⁷ Proposed Depth 4700'	¹⁸ Formation SAN ANDRES	¹⁹ Contractor	²⁰ 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

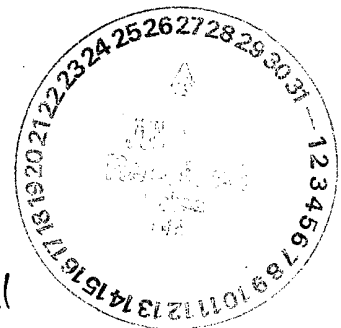
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
NO CHANGE					

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 - 4035'
TOP OF WINDOW - 4025'
BOTTOM OF WINDOW - 4032'
TARGET INTERVAL - 4540'-4700'
LENGTH OF LATERAL - 2050'
PERFORATIONS - OPEN HOLE LATERAL

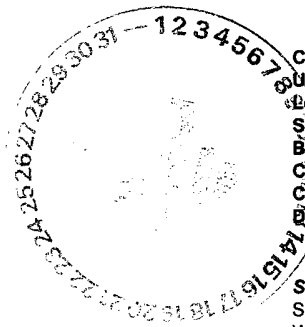
Permit Expires 1 Year From Approval
Date Unless Drilling Underway

* 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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: DENISE PINKERTON		Approved by:	
Title: REGULATORY SPECIALIST		Title: PETROLEUM ENGINEER	
E-mail Address: LEAKEJD@CHEVRONTXACO.COM		Approval Date: JUN 29 2005	
Date: 6-22-2005		Expiration Date:	
Phone: 432-687-7375		Conditions of Approval Attached <input type="checkbox"/>	

**CURRENT
WELLBORE DIAGRAM**



Created: _____
 Updated: _____
 Lease: _____
 Surface Location: _____
 Bottomhole Location: _____
 County: _____
 Current Status: _____
 Directions to Wellsite: _____

11/22/2002 By: SMG
 Central Vacuum Unit
 660' FNL & 660' FEL
 None
 Lea St: NM
 Active Oil Well
 Buckeye, New Mexico

Well No.: 51
 Unit Ltr: A
 Unit Ltr: _____
 St Lease: B-1565
 Elevation: 3991' GR

Field: Vacuum Grayburg 62/80
 Sec: 36 TSHP/Range: 17S-34E
 Sec: _____ TSHP/Range: _____
 API: 30-025-02230 Cost Center: _____
 TEPI: BCT493000
 MVP: BCT494500

Surface Csg.

Size: 12 1/2"
 Wt.: 40#
 Set @: 242'
 Sxs cmt: 170
 Circ: Yes
 TOC: Surface, calc
 Hole Size: 15 3/4"

Intermediate Csg.

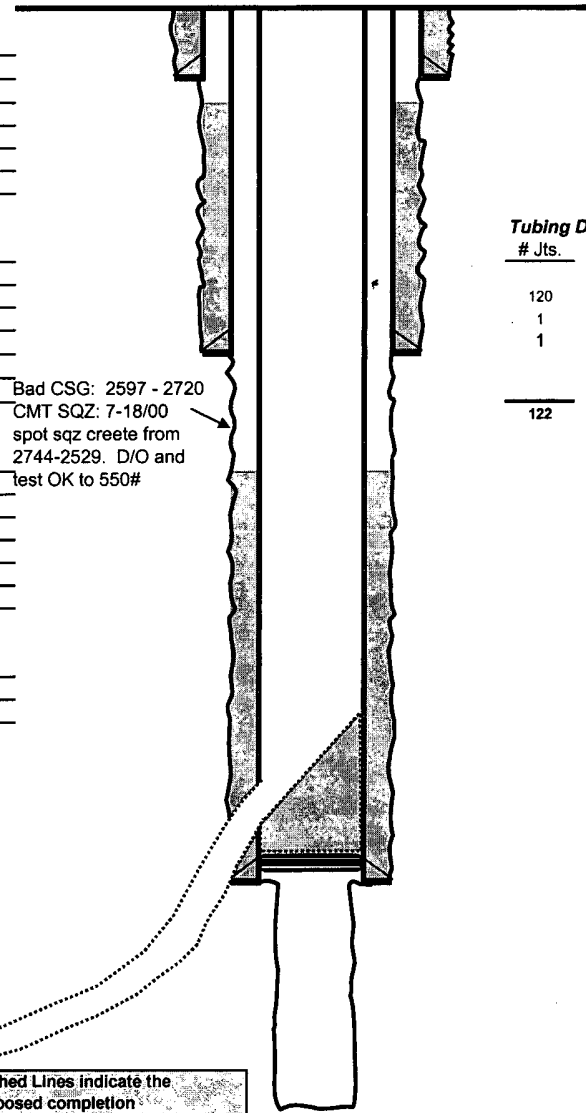
Size: 9 5/8"
 Wt.: 36#
 Set @: 1545'
 Sxs Cmt: 250
 Circ: Yes
 TOC: 380', calc 60%
 Hole Size: 11"

Production Csg.

Size: 7"
 Wt.: 29.5#
 Set @: 4100'
 Sxs Cmt: 200
 Circ: Yes
 TOC: 3100', calc 60%
 Hole Size: 8 3/4"

Open Hole:

Hole Size: 6 1/4"
 Depth: 4100'-4760'
 TD: 4760'



Bad CSG: 2597 - 2720
 CMT SQZ: 7-18/00
 spot sqz creete from
 2744-2529. D/O and
 test OK to 550#

KB: 4002'
 DF: 4001'
 GL: 3991'
 Spud Date: _____
 Compl. Date: 2/20/1938

Tubing Detail

# Jts.	Size	Date:	Footage
120	jts 2-7/8" J-55 tbq		3993.63
1	2-7/8" s.n.		1.00
1	7" lock set packer.		4.00

122 3998.63

EOT 3998.63

Horizontal Completion Proposal:	
CIBP:	4,040'
Top of Window:	4,025'
Bottom of Window:	4,032'
Kick Off Point:	4,035'
Landing Point:	4,540'
Target Interval:	4,540'-4700'
Perforations:	Open Hole
Size Of Hole:	6 1/4"

Dashed Lines indicate the proposed completion

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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 30-025-02230		² Pool Code 62180		³ Pool Name VACUUM GRAYBURG SAN ANDRES	
⁴ Property Code 29923		⁵ Property Name CENTRAL VACUUM UNIT			⁶ Well Number 51
⁷ OGRID No. 4323		⁸ Operator Name CHEVRON U.S.A. INC.			⁹ Elevation 3991' 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
A	36	17-S	34-E		660'	NORTH	660'	EAST	LEA

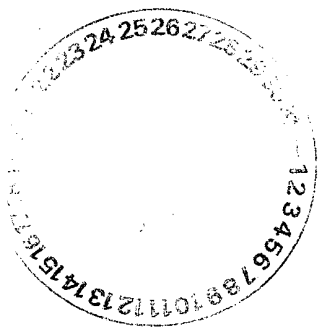
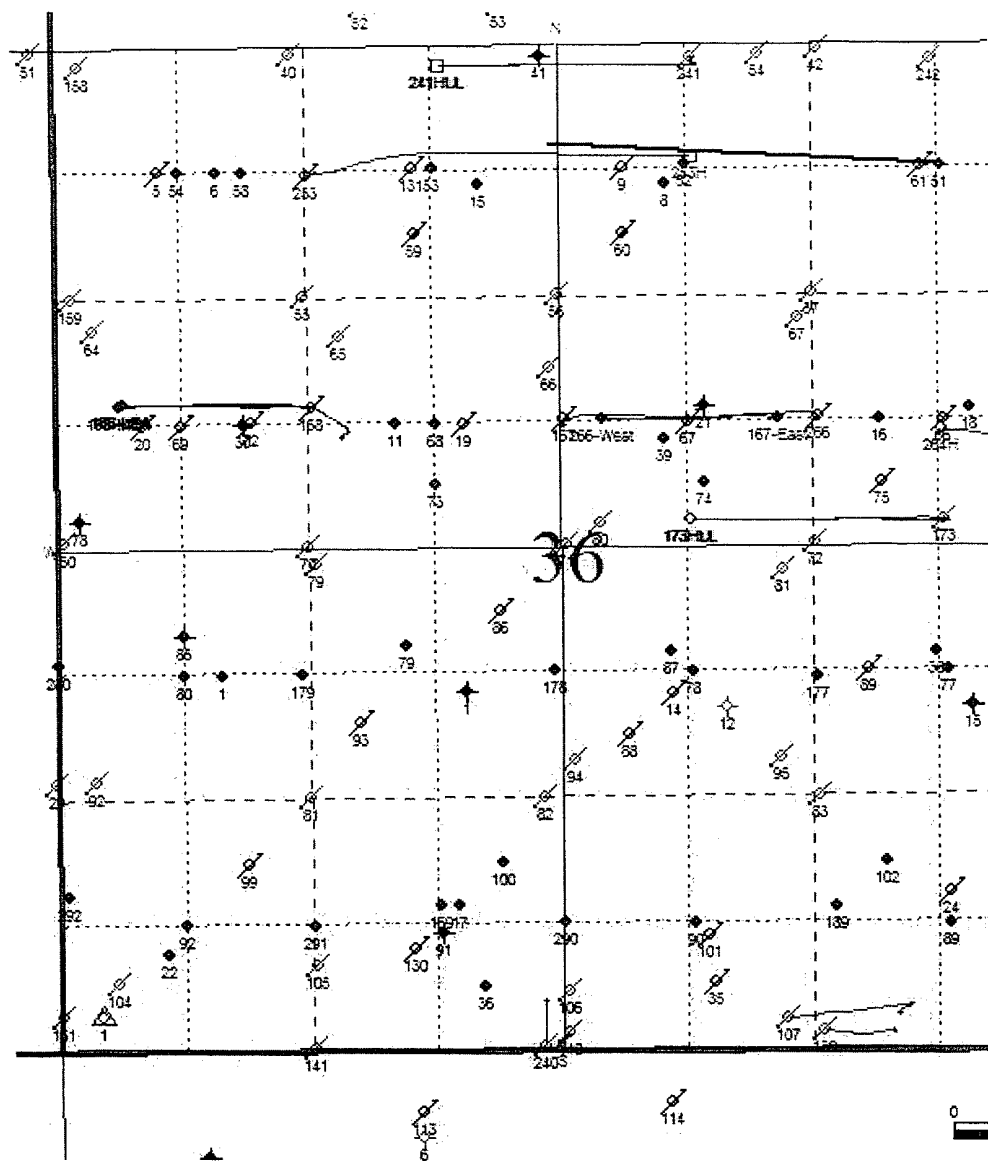
¹¹ Bottom Hole Location If Different From Surface

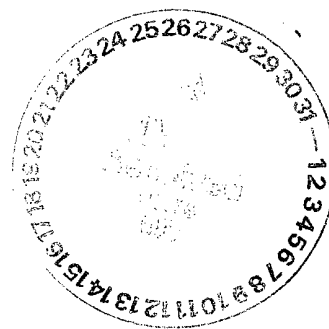
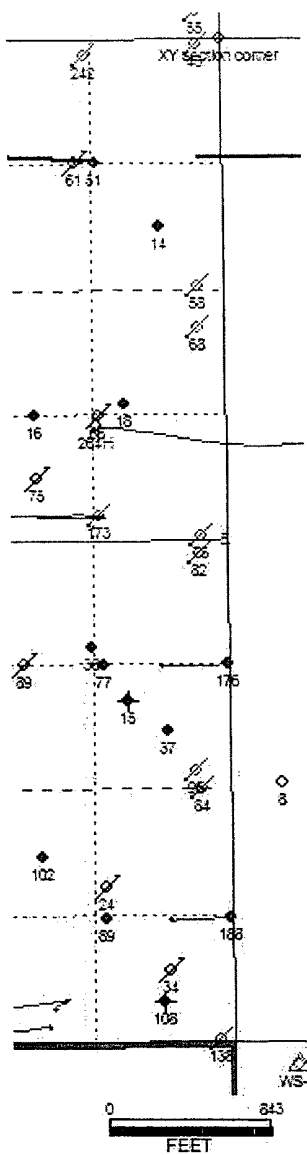
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	36	17-S	34-E		470'	NORTH	2580'	WEST	LEA

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	¹⁷ OPERATOR CERTIFICATION 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 LEAKEID@CHEVRONTXACO.COM Title and E-mail Address 6-22-2005 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
	<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 #51H API #: 30-025-02230 U/L or Qtr/Qtr A Sec 36 T 17-S R 34-E
County: LEA Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☐
Surface Owner: STATE

Pit

Type: Drilling

Lined

Liner type: Synthetic ☐ Thickness 20mil 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.)

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)

Ranking Score (Total Points)

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

C/V#51

Horizontal

