

District I  
1625 N French Dr , Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88201  
District III  
1000 Rio Brazos Road, Aztec, NM 87401  
District IV  
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
June 16, 2008

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, TEXAS 79705		<sup>2</sup> OGRID Number 4323
		<sup>3</sup> API Number 30 - 025-30103
<sup>3</sup> Property Code 29923	<sup>5</sup> Property Name CENTRAL VACUUM UNIT	<sup>6</sup> Well No 253 <input checked="" type="checkbox"/>
<sup>9</sup> Proposed Pool 1 VACUUM GRAYBURG SAN ANDRES		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no C	Section 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 675	North/South line NORTH	Feet from the 1330	East/West line WEST	County LEA <input checked="" type="checkbox"/>
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<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no B	Section 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 577	North/South line NORTH	Feet from the 3330	East/West line WEST	County LEA
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Additional Well Information

<sup>11</sup> Work Type Code DRILL DEEPER	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 4018' GL
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 4850'	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

<sup>21</sup> 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

CHEVRON U S A INC INTENDS TO DEEPEN THE SUBJECT WELL TO 4850' FOR INCREASED SWEEP EFFICIENCY. A COIL TUBING & ACIDIZING JOB WILL BE CONDUCTED

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM & C-144 PIT INFORMATION

**Permit Expires 2 Years 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

Signature  


Printed name:  
DENISE PINKERTON

Title:  
REGULATORY SPECIALIST

E-mail Address  
leakejd@chevron.com

Date:  
09-25-2009

Phone:  
432-687-7375

OIL CONSERVATION DIVISION

Approved by.

Title:  
PETROLEUM ENGINEER

Approval Date:  
SEP 30 2009

Expiration Date

Conditions of Approval Attached ☐

District I  
1625 N. French Dr., Hobbs, NM 88240  
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1301 W. Grand Avenue, Artesia, NM 88210  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005  
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 30-025-30103	<sup>2</sup> Pool Code 62180	<sup>3</sup> Pool Name VACUUM GRAYBURG SAN ANDRES
<sup>4</sup> Property Code	<sup>5</sup> Property Name CENTRAL VACUUM UNIT	<sup>6</sup> Well Number 253
<sup>7</sup> OGRID No. 4323	<sup>8</sup> Operator Name CHEVRON U.S.A. INC.	<sup>9</sup> Elevation 4018' GL

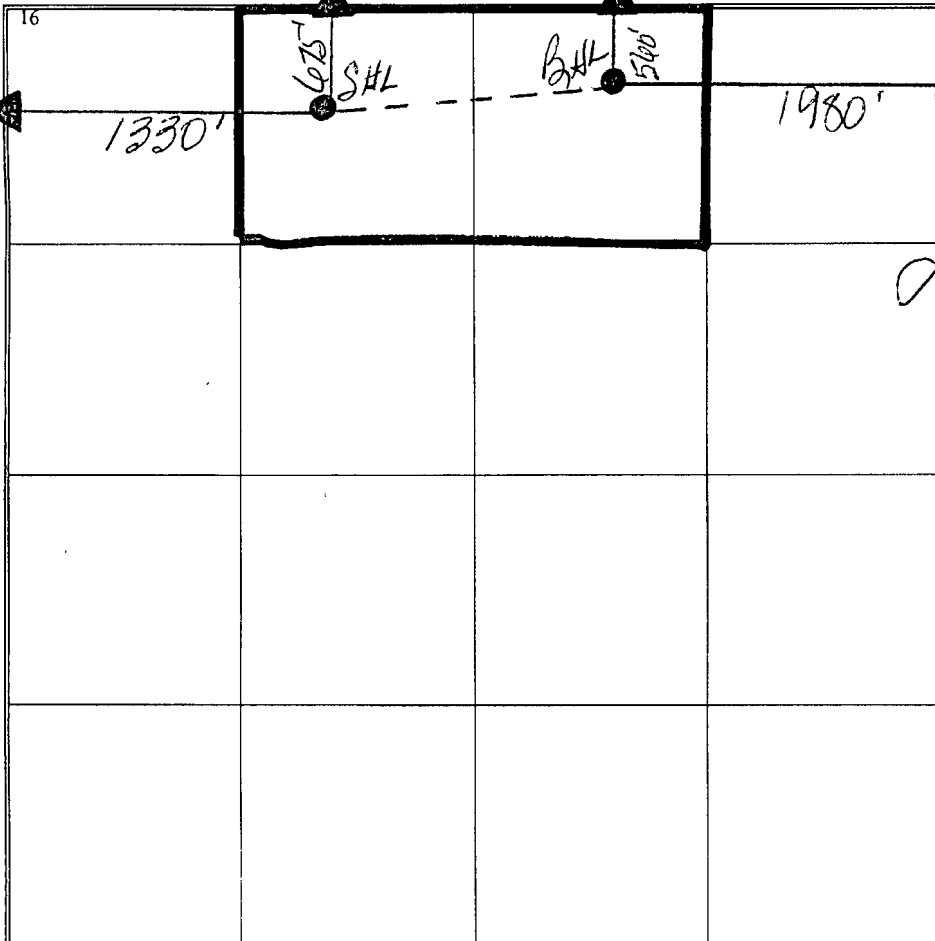
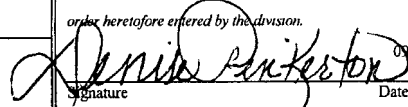
<sup>10</sup> Surface Location

UL or lot no. C	Section 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 675	North/South line NORTH	Feet from the 1330	East/West line WEST	County LEA
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. B	Section 36	Township 17-S	Range 34-E	Lot Idn	Feet from the 560	North/South line NORTH	Feet from the 1980	East/West line EAST	County LEA
<sup>12</sup> Dedicated Acres 80	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<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, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Date 09-30-2009 DENISE PINKERTON REGULATORY SPECIALIST Printed Name
	<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

## CVU #253H

**Job: Sidetrack**

**API No. 30-025-30103**

**Central Vacuum Unit Field**

**Lea County, NM**

### **Workover Procedure:**

1. MIRU PU. Kill well as necessary.
2. ND wellhead. NU BOP.
3. TIH w/ 7" Smith Trackmaster whipstock bottomhole assembly.
4. Set whipstock on CIBP @ 4,232'. Orient whipstock in a due west orientation in order to cut window.
5. Mill out 7" casing window.
6. Circulate hole clean.
7. POOH with mill.
8. RIH w/ 6-1/8" button bit and drill collars on 2-7/8" workstring (American Open Hole).
9. Drill to 4,850'. Borehole to run parallel to the original vertical hole.
10. Circulate hole clean. TOH.
11. Run GR-CNL-CCL Log. Log from 3,000' to TD.
12. TIH w/ 7" Arrow Set pkr on 2-7/8" workstring. Run three 2-7/8" jts below pkr with a muleshoe to serve as a guide for the CT.
13. Set pkr @ 4,150'.
14. MIRU CT Unit.
15. RIH w/ 1 1/4" CT.
16. Acidize w/ 11,000 gallons 15% NEFE HCL as per Halliburton's recommendation as follows:

Volume (gallons)	Interval
7000	4850' – 4675'
4000	4470' – 4370'

17. POOH w/ 1 1/4" CT.
18. RDMO CT Unit.
19. TOH w/ 7" Arrow Set pkr and 2-7/8" workstring.
20. RIH w/ new ESP on 2-7/8" J55 tbg per ALCR. Set pump @ 4,200'.
21. ND BOP. NU wellhead
22. RDMO PU.
23. RTP.
24. Report production tests.

# CVU #253H Wellbore Diagram

Created: 01/16/06 By: C. A. Irle  
 Updated: 07/12/08 By: BSPT  
 Lease: Central Vacuum Unit  
 Field: Central Vacuum Unit  
 Surf. Loc.: 675' FNL & 1,330' FWL  
 Bot. Loc.: 577' FNL & 3,330' FWL  
 County: Lea St.: NM  
 Status: Active Oil Well

Well #: 253H St. Lse: B-1565  
 API: 30-025-30103  
 Unit Ltr.: C Section: 36  
 TSHP/Rng: S-17 E-34  
 Unit Ltr.: B Section: 36  
 TSHP/Rng: S-17 E-34  
 Directions: Buckeye, NM

## Surface Casing

Size: 20"  
 Wt., Grd.: 94# H-40  
 Depth: 348'  
 Sxs Cmt: 850  
 Circulate: 100 sx  
 TOC: Surface  
 Hole Size: 24"

## Intermediate Casing

Size: 13 3/8"  
 Wt., Grd.: 54.5# J-55  
 Depth: 1,558'  
 Sxs Cmt: 1,600  
 Circulate: 175 sx  
 TOC: Surface  
 Hole Size: 17 1/2"

## Production Casing

Size: 7"  
 Wt., Grd.: 23# K-55  
 Depth: 4,325'  
 Sxs Cmt: 2,050  
 Circulate: No  
 TOC: 50' TS  
 Hole Size: 12 1/4"  
 Depth: 2,800'  
 Hole Size: 8 3/4"  
 Depth: 4,325'

## Open Hole

Depth: 4,720'  
 Hole Size: 6 1/8"

## Horizontal Section

TOW: 4,238  
 BOW: 4,246  
 MD: 6,326  
 TVD: 4,390  
 Hole Size: 4 3/4"

