

Office

October 13, 2009

District I

HOBBS OGD Energy, Minerals and Natural Resources

1625 N French Dr., Hobbs, NM 88240

District II

1301 W Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

87505

**APR 12 2012**  
**RECEIVED**  
**Oil Conservation Division**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO.

30-025-25998

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

CENTRAL VACUUM UNIT

8. Well Number 137

9. OGRID Number 4323

10. Pool name or Wildcat  
VACUUM GRAYBURG S/A

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTOR2. Name of Operator  
CHEVRON U.S.A. INC.3. Address of Operator  
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter D: 1100 feet from the NORTH line and 40 feet from the WEST line

Section 6 Township 18S Range 35E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

## 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

## NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐

## SUBSEQUENT REPORT OF:

Per Underground Injection Control Program Manual  
 11.6 C Packer shall be set within or less than 100  
 feet of the uppermost injection perfs or open hole.

OTHER: INTENT TO REPAIR MIT

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

CHEVRON INTENDS TO REPAIR MIT IN THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, &amp; C-144 INFORMATION.

The Oil Conservation Division

Condition of Approval: notify

Spud Date:

**MUST BE NOTIFIED 24 Hours**

Rig Release Date:

**OCD Hobbs office 24 hours****Prior to the beginning of operations****prior of running MIT Test & Chart**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Pinkerton TITLE REGULATORY SPECIALIST

DATE 04-10-2012

Type or print name DENISE PINKERTON

E-mail address: leakejd@chevron.com

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

APR 17 2012

CVU 137

API No. 30-025-25998

Lea County, NM

MIT Repair

**Ensure well has been bled down prior to MIRU. Use the Rig Move check list, verifying power lines are not in the area. Last WO in WV indicates anchors were tested in 4/2011**

**WORKOVER PROCEDURE**

\*\*\*Ensure elevators are calipered and visually inspected at the beginning of each work day and anytime sizes change.

1. Notify OCD of intent to perform repair with 24 hour notice of intent (575-393-6161).
2. MIRU PU.
3. Pump tbg volume of 10# BW down tbg, note pressure for KWM. (14.5# mud required in 4/2011 workover).
4. RU slickline truck. RIH w/ blanking plug and set in 1.43" profile nipple.
5. ND WH. NU 5K hydraulic BOP w/ blind rams in bottom & 2 3/8" pipe rams in top w/ Hydril on top. Test BOP at 500/250 against packer or pick up compression packer.
6. Perf above packer (or NU stripperhead, TIW, pull plug, release pkr, circ KWM). Circ wellbore w/ KWM. Pull one stand of injection tbg.
7. Unset pkr and TOH with Fiberlined tubing and packer. If pkr elements are swelled and won't relax: perf tbg above pkr so that fluid can by-pass pkr when POH.
8. RIH w/ 4-1/2" RBP and 4-1/2" pkr on 2 3/8", L-80, 6.5# WS. Set RBP @ 4190'. Pull up and set pkr test RBP to 500 psi. Test back side csg to 500 psi. If there is any pressure loss: Isolate any leaks with the pkr and notify the remedial engineer and supplemental procedure will be generated. If pressure holds: POOH with WS, PKR, and RBP.
9. RIH w/ 4 1/2" injection packer w/ 1.43" 'F' profile nipple, on/off tool, and pump out plug on existing 2 3/8" fiberlined injection tubing. Ensure that PN and on/off tool is accurately captured in WellView.
10. Pkr setting depth will be 4190' unless microvert log indicates something different. Consult w/ Tech Team.
11. Release On/Off tool and displace annulus with packer fluid. Re-engage on/off tool.

**CVU 137**

**API No. 30-025-25998**

**Lea County, NM**

**MIT Repair**

12. Perform pre-MIT. Chart test to 500 psi for 30 min. Isolate reverse pump during test and use chart recorder to record pressure. Notify remedial engineer if pressure loss is greater than or equal to 10% of applied pressure.
13. Notify OCD 24 hours prior to performing the Official MIT test.
14. ND BOP.
15. NU wellhead.
16. Blow pump out plug.
17. RDMO PU.
18. Perform Official MIT. Apply 500 psi to casing for 30 minutes, use chart recorder to record pressure. Send original MIT Chart with the OCD signature to Denise Pinkerton, the Regulatory Specialist (432-687-7375).
19. Turn well over to production.

**Contacts:**

Larry Birkelbach - Remedial Engineer (432-687-7650 / Cell: 432-208-4772)

Edgar Acero – Production Engineer (432-687-7343 / Cell: 432-230-0704)

Heath Lynch – Drilling Supt (281-685-6188)

Sam P. - Peak Packers (575-531-7704)

NMOCD (575-393-6161)

**CURRENT  
WELLBORE DIAGRAM**

|                                |                             |                   |          |                     |                            |
|--------------------------------|-----------------------------|-------------------|----------|---------------------|----------------------------|
| <b>Lease:</b>                  | Central Vacuum Unit         | <b>Well No.:</b>  | 137      | <b>Field:</b>       | Vacuum Grayburg San Andres |
| <b>Surface Location:</b>       | 1100' FNL & 40' FWL         | <b>Unit Ltr:</b>  | D        | <b>Sec:</b>         | 6                          |
| <b>Bottomhole Location:</b>    | Same                        | <b>Unit Ltr:</b>  |          | <b>TSHP/Range:</b>  | 18S-35E                    |
| <b>County:</b>                 | Lea                         | <b>St:</b>        | NM       | <b>TSHP/Range:</b>  |                            |
| <b>Current Status:</b>         | Active Water Injection Well | <b>St Lease:</b>  | B-1113-1 | <b>API:</b>         | 30-025-25998               |
| <b>Directions to Wellsite:</b> | Buckeye, New Mexico         | <b>Elevation:</b> | 3989' GL | <b>Cost Center:</b> | BCT491800                  |
|                                |                             |                   |          | <b>CHEVNO:</b>      | EQ2606                     |

**Surface Csg.**

|           |             |
|-----------|-------------|
| Size      | 13 3/8"     |
| Wt        | 54.5#, K-55 |
| Set @     | 377'        |
| Sxs cmt   | 400         |
| Circ      | Yes         |
| TOC       | Surface     |
| Hole Size | 17 1/2"     |

**Intermediate Csg.**

|           |           |
|-----------|-----------|
| Size      | 9 5/8"    |
| Wt        | 32#, K-55 |
| Set @     | 1450'     |
| Sxs Cmt   | 800       |
| Circ      | Yes       |
| TOC       | Surface   |
| Hole Size | 12 1/4"   |

**Intermediate Csg.**

|           |           |
|-----------|-----------|
| Size      | 7"        |
| Wt        | 23#, K-55 |
| Set @     | 2735'     |
| Sxs Cmt   | 650       |
| Circ      | Yes       |
| TOC       | Surface   |
| Hole Size | 8 3/4"    |

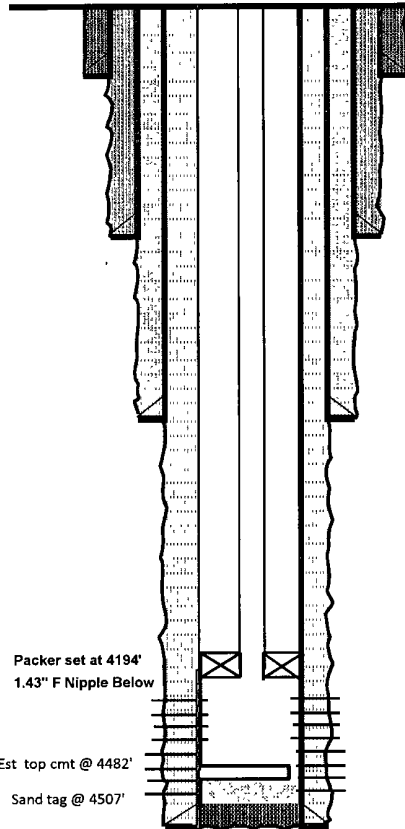
**Production Csg.**

|           |             |
|-----------|-------------|
| Size      | 4 1/2"      |
| Wt        | 10.5#, K-55 |
| Set @     | 4800'       |
| Sxs Cmt   | 600         |
| Circ      | Top @ 200'  |
| TOC       | Surface     |
| Hole Size | 7 7/8"      |

**PBTD:** 4765'  
**TD:** 4800'

**Perforations:** 4326'-4698'

Perf detail  
4326,4330', 46', 50', 62', 72', 82', 4409', 22', 30', 36',  
53', 4500', 10', 16', 23', 32', 36', 43', 54', 56, 58', 65',  
73', 86', 90', 94', 4602', 05', 30', 38', 46', 50', 57', 65',  
68', 72', 77', 82', 90', 4698'



KB 3997'  
DF  
GL 3989'  
Original Spud Date 11/7/1978  
Original Compl Date 12/23/1978

**WORKOVER HISTORY**

**12-23-1978:** Perf with 2 jspf 4330', 46', 50', 62', 72', 82', 4409', 22', 30', 36', 53', 4500', 10', 16', 23', 32', 36', 43', 54', 58', 65', 73', 86', 90', 94', 4602', 05', 30', 38', 46', 50', 57', 65', 68', 72', 77', 82', 90', 4698' Acid with 8800 gls 15% NE acid  
**5-1-1984:** Acid 4330'-4453' with 3000 gls 15% NEFE and 1800# RS  
**4-26/5-10-1990:** Cleaned out to 4752' Spot 300 gls NA perforate Acid with 4100 gls 15% NEFE and 2000# RS Run Baker Loc Set and 133 joints of 2 3/8" IPC tubing to 4281'  
**1-9-1998:** Passed casing check  
**1-7-1998:** Acid with 10,000 gls 15% NEFE HCl and 6000# RS  
**12-6-2000/1-03-2001:** Acid, Perf, Frac: Clean out to 4544' Acid with 6000 gls 15% NEFE HCl Acid and Frac perfs 4330'-4430' with 2000 gls 15% NEFE and 33,000 gls YF-135 **1-3-01** Set packer at 4268' 1 43" I.D. with on/off tool  
**1/30/09** Tagged @ 4645' Fill 107' 1st tagged @ 4380'  
**5-7/09** Clean out from 4454-4765' Pump 25 bbls of brine water with gel additive (WG-19) w/1400 lbs sand Pump 25 bbls of brine water with WG-19 w/1400 lbs sand Circ hole to clean out Top of sand @ 4480' Circ & c/o casing & scale from 4400-4480' Tag at 4448' Mill out from 4448-4451' Tag sand at 4507' Bailor & CCL tag up @ 4495' Dump cement Est. top cmt 4482'  
Shot perfs 4326-4456' in 4 runs Acid perfs 4326-4456 w 10,000 gals 15% HCL diverting w/1500# RS in 4 stages  
C/O from 4390-4486', from 4390-4418' Move in 2-3/8" Fiberline tbg 141 jts TIH w/4-1/2" x 6 45' ASI-X Arrowset pkr, O/O tool Packer @ 4248 77'

San Andres Perfs 4326' - 4698'

| Item Description    | Icon | OD (in) | ID (in) | Wt.(lbs/ft) | Grade | Len (ft) | Jts | Type   | Make          |
|---------------------|------|---------|---------|-------------|-------|----------|-----|--------|---------------|
| Tubing Pup Joint    |      | 2 3/8   |         |             |       | 4.12     | 1   | Tubing | NICKEL PLATED |
| Tubing              |      | 2 3/8   | 1.724   | 4.70        | J-55  | 4,188.43 | 133 | Tubing | FIBER LINE    |
| Packer              |      | 4 1/2   |         |             |       | 6.17     | 1   | Other  | NICKEL PLATED |
| Tubing Pup Joint    |      | 2 3/8   |         |             |       | 6.00     | 1   | Tubing | IPC           |
| Pump Seating Nipple |      | 2 3/8   | 1.430   |             |       | 0.85     | 1   | Other  | NIPPLE        |

