

Submit 1 Copy To Appropriate District  
Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

Revised August 1, 2011

HOBBS OCD

MAY 17 2013

OIL CONSERVATION DIVISION

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

RECEIVED

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-24916
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> SWD		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator CHEVRON U.S.A. INC.		6. State Oil & Gas Lease No.
3. Address of Operator 15 SMITH ROAD, MIDLAND, TEXAS 79705		7. Lease Name or Unit Agreement Name ANTELOPE RIDGE UNIT
4. Well Location Unit Letter L : 2310 feet from the SOUTH line and 990 feet from the WEST line Section 33 Township 23-S Range 34-E NMPM County LEA		8. Well Number 5
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 4323
		10. Pool name or Wildcat SWD; DELAWARE; 96100

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 ☐

OTHER: INTENT TO RUN STEP RATE TEST

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMPLETION/PLUGGING/WORKOVERS ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER:

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 U.S.A. INC. INTENDS TO RUN A STEP RATE TEST ON THE SUBJECT WELL.

PLEASE FIND ATTACHED, THE INTENDED PROCEDURE, WELLBORE DIAGRAM, AND C-144 INFORMATION.

Condition of Approval: notify

The Oil Conservation Division  
MUST BE NOTIFIED 24 Hours  
Prior to the beginning of operations

Rig Release Date:

OCD Hobbs office 24 hours  
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: 05-15-2013

Type or print name: DENISE PINKERTON E-mail address: leakejd@cchevron.com

PHONE: 432-687-7375

APPROVED BY:

*[Signature]*

TITLE

*[Signature]*

DATE

5-20-2013

Conditions of Approval (if any):

MAY 21 2013

**API # 3002524916**

**State/County: NM/ Lea**

**Field: Antelope Ridge Morrow**

**SEC 33-23S-34E, 2310 FSL & 990 FWL**

**Job: Step-Rate Test**

**Well Data:**

- Currently injecting approximately 900-1500 bbls at 970 psi
- Max surface pressure is 1033 psi per NMOCD Administrative Order SWD-578 (12/21/94)
- OH Injection: 5,167'-6,134' (Bell Canyon, Upper Delaware)
- PBTD at 13,986'

**Procedure:**

1. *This procedure is based on the most recent information regarding wellbore configuration and equipment that could be found in the Midland Office well files and computer databases as of 1/16/2013. Verify what is in the hole with the well file in the Eunice Field office. Discuss w/ WEO Engineer, Workover Rep, OS, ALS, and FS prior to rigging up on well regarding any hazards or unknown issues pertaining to the well.*
2. Ensure that the well has been shut in for 2 days prior to the test. For verification call Production Engineer, Alyssa Davanzo, at (720) 244-4417 or (432) 687-7659.
3. MIRU Cardinal Surveys. RU pump truck and frac tank.
4. NU lubricator and test to 4500 psi.
5. RIH BH pressure gauge using slickline operations to ~5651, the midpoint of the open hole interval.
6. Begin conducting step rate test. Maintain a stable rate of 100 BWIPD for 30 minutes and wait for the pressure to stabilize before continuing the test.
7. Pump each 30 minute interval at the following injection rates: 200 BPD, 400 BPD, 600 BPD, 800 BPD, 1000 BPD, 1500 BPD, 2000 BPD, and 2500 BPD. Injection rates may vary based on collected data from the previous step and the estimated frac pressure. Three data points above and below the frac pressure are required for a complete test. Pump approximately 500 bbls total, assuming each stage is 30 minutes.
8. Record stabilized pressure and injection rate for each step and chart results.

9. POOH with BH pressure gauge.

10. ND lubricator.

11. RDMO Cardinal Surveys, pump truck and frac tank.



# Current Wellbore Schematic

ANTELOPE RIDGE 5 SWD(CVX)

Field: ANTELOPE RIDGE MORROW  
County: LEA  
State: NEW MEXICO  
Elevation: GL 3,540.0 KB 3,540.0 KB Height: 0.0  
Location: SEC 33-23S-34E, 2310 FSL & 990 FWL

Spud Date: 3/28/1966  
Rig Release Date: 7/29/1966  
Initial Compl. Date:  
API #: 3002524916  
CHK Property #: 730005  
1st Sales Date:  
PBTD: Original Hole - 6,134.0  
TD: 14,238.0

