

Submit 1 Copy To Appropriate District  
Office  
District I  
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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-015-26622
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name USA CAVINESS PAINE
8. Well Number 4
9. OGRID Number 4323
10. Pool name or Wildcat LOVING;BRUSHY CANYON, EAST
11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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

2. Name of Operator  
CHEVRON U.S.A. INC.

3. Address of Operator  
15 SMITH ROAD, MIDLAND, TEXAS 79705

4. Well Location

Unit Letter J: 2310 feet from the SOUTH line and 1650 feet from the EAST line

Section 15 Township 23S Range 28E NMPM County EDDY

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:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

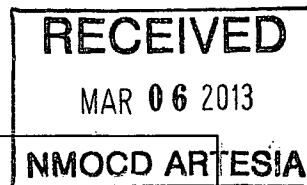
OTHER: INTENT TO PERFORM STEP RATE TEST

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. REQUESTS TO PERFORM A STEP RATE TEST ON THE SUBJECT WELL DURING THE SWD CONVERSION.

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



Spud Date:

Rig Release Date:

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 03-05-2013

Type or print name DENISE PINKERTON

E-mail address: [leakejd@chevron.com](mailto:leakejd@chevron.com)

PHONE: 432-687-7375

For State Use Only

APPROVED BY:

*Richard Inas*

TITLE COMPLIANCE OFFICER

DATE 2/12/13

Conditions of Approval (if any):

**API# 30-015-26622**

**Location: S15-23S-28E**

**2310' FSL and 1650' FEL**

**Well Data:**

- Approved order from NMOCD has a max surface pressure of 586 psi.
- Perforation Interval: 2930'-3010'

**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 1/29/2013. 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. MIRU step rate test control trailer. RU pump truck and transport.
3. NU lubricator and test to 4500 psi.
4. RIH BH pressure gauge using slickline operations to ~2970', the midpoint of the perforations.
5. Begin conducting step rate test. Maintain a stable rate of 100 BWIPD for 10 minutes and wait for the pressure to stabilize before continuing the test.
6. Pump each 10 minute interval at the following injection rates: 250 BPD, 500 BPD, 1000 BPD, 1500 BPD, 2000 BPD, 2500 BPD and 3000 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 80 bbls total, assuming each stage is 10 minutes.

<b>Potential Pumping Schedule (10 min/Stage)</b>				
Stage	BWIPD	BWIPM	Volume/Stage	Rounded Volume/Stage
1	100	0.07	0.69	1.00
2	250	0.17	1.74	2.00
3	500	0.35	3.47	4.00
4	1000	0.69	6.94	7.00
5	1500	1.04	10.42	11.00
6	2000	1.39	13.89	14.00
7	2500	1.74	17.36	18.00
8	3000	2.08	20.83	21.00
		<b>Total bbls</b>	<b>75.35</b>	<b>80.00</b>

7. Record stabilized pressure and injection rate for each step and chart results.
8. POOH with BH pressure gauge.
9. ND lubricator.
10. RDMO step rate test equipment and pump truck.



# Proposal - Workover

CAVINESS-PAINE 4

Field: LOVING EAST (DELAWARE)  
County: EDDY  
State: NEW MEXICO  
Location: SEC 15, 23S-28E, 2310 FSL & 1650 FEL  
Elevation: GL 2,997.00 KB 3,010.00  
KB Height: 13.00

Spud Date: 2/4/1991  
Initial Compl. Date:  
API #: 3001526622  
CHK Property #: 891225  
1st Prod Date: 4/30/1991  
PBTD: Original Hole - 5095.0  
TD: 6,352.0

