

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 July 18, 2013

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PUMP BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-00312
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name ROCK QUEEN UNIT
4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>NORTH</u> line and <u>660</u> feet from the <u>WEST</u> line Section <u>30</u> Township <u>13S</u> Range <u>32E</u> NMPM County <u>LEA</u>		8. Well Number <u>71</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4388' KB		9. OGRID Number 240974
		10. Pool name or Wildcat CAPROCK; QUEEN

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 ☐  
CLOSED-LOOP SYSTEM ☐  
OTHER: STIMULATE & RUN ESP ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ 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.

---SEE ATTACHED PROCEDURE---

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 Laura Pina TITLE REGULATORY TECH DATE 07/13/2015

Type or print name LAURA PINA E-mail address: lpina@legacylp.com PHONE: 432-689-5200

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 07/21/15

Conditions of Approval (if any):

JUL 21 2015

am

**PROCEDURE TO Stimulate and run ESP  
Rock Queen Unit #71  
API: 30-025-00312  
Lea County, New Mexico  
7/19/2015**

**AFE# 215043**

**WELL SUMMARY & OBJECTIVE:**

The subject well is currently a CO2 gas lift producer. It is proposed to change artificial lift to an ESP and acid stimulate the well.

**PROCEDURE**

1. Prior to rigging up: Test anchors. Have acid company do compatibility test on oil and acid blend. Have electrical contractor call 811 and set and hook up controller, transformer, and J box on location.
2. Hold pre job safety meeting and MIRU PU.
3. Shut in and disassemble gas lift surface components. Kill well. NU BOP.
4. Un-latch on/off tool. POOH with two 3/8" cap strings and 2-3/8" tbgs. Stand back tubing and lay down six 2-3/8" subs. Visibly inspect tbgs ends for paraffin or IPC damage and report. Send cap string for re-spooling / cleaning.
5. PU 2-7/8" work string and on/off tool.
6. Latch on to on/off tool and release packer. POOH with work string, packer and tailpipe. Lay down tail pipe, report condition of tailpipe.
7. PU 4-1/4" cleanout bit. TIH. Clean out to TD 3088'.
8. PU 5" treating packer. RIH with treating packer, work string, and set at ~2950'. Tester packer and casing to 500#. Set flow back tank.
9. MIRU acid stimulation company. Pressure test line to 4,000#. Establish rate with 20 bbls fresh water at 8 bpm. Acidize down tubing with 4000 gals acid blend (15% HCL, 2% HF, and 10% xylene) at 8 bpm at target of 2700#. Max treating pressure 3000#. Flush with 25 bbl fresh water at 8 bpm. If pressure is low pick up rate.
10. Obtain 5, 10, & 15 minute SIP's. RDMO acid company.
11. Flow back / swab back load to flow back tank. Recover a minimum of 140 bbls before going down flowline, (pH of returns needs to be above 7 before allowing the well to flow down the flowline). The fluid in the tank, recover oil and send rest to disposal.
12. POOH and LD pkr. PU clean out bit and tag for fill @ 3088'.
13. POOH and lay down work string.
14. PU Baker ESP, 202 stage Flex 6 pump, 35 HP motor, gas separator, SS lead #4 cable and RIH with 2904' of 2-3/8" production tubing. Do not install screen on intake. 3 bands per joint. Also, run one 3/8" cap string, end of cap to be at base of motor, banded with cable.
15. ND BOP & NU ESP well head equipment.
16. Test run ESP overnight.

17. Turn ESP off. RDMO PU. Clean Location. Turn ESP on. RTP.

John Saenz

Operations Engineer