

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

HOBBS OGD
JUN 18 2014
RECEIVED
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 PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) | | WELL API NO. 30-025-24143 |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other WIW <input type="checkbox"/> | | 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator EOR Operating Company | | 6. State Oil & Gas Lease No. |
| 3. Address of Operator 200 N. Loraine, STE 1440 Midland, TX 79701 | | 7. Lease Name or Unit Agreement Name Crossroads Siluro Devonian Unit |
| 4. Well Location Unit Letter <u>H</u> : <u>1980</u> feet from the <u>N</u> line and <u>990</u> feet from the <u>E</u> line Section <u>34</u> Township <u>09S</u> Range <u>36E</u> NMPM County <u>Lea</u> | | 8. Well Number 106 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) | | 9. OGRID Number 257420 |
| | | 10. Pool name or Wildcat Crossroads, Siluro Devonian |

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|---|--|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input type="checkbox"/> | | | |
| CLOSED-LOOP SYSTEM <input type="checkbox"/> | | | |
| OTHER: <input type="checkbox"/> | | OTHER: Convert to Injection <input checked="" type="checkbox"/> | |

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.

Well has been converted to injection (completed procedures and wellbore diagram attached) on 8/8/13 per WFX-914.

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 Jana True TITLE Production/Regulatory Manager DATE 6/9/14

Type or print name Jana True E-mail address jtrue@nrm.state.nm.us PHONE: 432-242-4544

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 6/24/14
Conditions of Approval (if any):

JUN 30 2014

Crossroads Siluro Devonian Unit #106

30-025-24143

Sec. 34, T – 08S, R – 34E

Lea Co., New Mexico

Convert to Injection Completed procedure:

7/8/13 – MIRU Pulling Unit

7/9/13 – Bled down well. NDWH. NUBOP. LD 142 jts 2 7/8" tubing.

7/10/13 – RU Reverse Unit. TIH w/ 4 3/4" bit, SN 2539, bit sub & 6 3 1/2" drill collars. TIH w/ 2 7/8" WS to 3000'. RDFN.

7/11/13 – POOH w/ 2 7/8" WS, sub and drill collars and replace 4 3/4" bit w/ 4 5/8" bit. TIH w/ 4 5/8" bit, bit sub, drill collars. PU tbg from racks and TIH w/ 2 7/8" tubing. Tag up @ 12,172'.

7/12/13 – RU Reverse Unit. Attempted to circulate w/130 bbls, did not circulate. RD Reverse Unit. POOH w/ 2 7/8" WS tbg. RU Renegade logging tool. Run 60 arm casing inspection tool from TD @ 12,172 to top of liner @ 4837'. PU casing inspection tool

7/15/13 – Lea Co. Packer on site and make up 5 1/2" kline plug and 5 1/2" crest pkr and RIH to 12,036' to set RPB. RU Reverse Unit. Test casing from plug set @ 12036' to pkr set @ 12,017' to 500 psi, casing held pressure. Test the backside of casing to 500 psi, casing pressure held, no leaks detected. (Chart recorder did not operate, no way of recording test onto chart) * Decision made to try and get new chart recorder on location for next day, as well as BLM/OCD on location, to witness and record casing test again

7/16/13 - New chart recorder on-site and swapped out. Tested well to 500 psi, 1st and 2nd chart record showed small drop less than 500 psi. Narrowed source of the leak to the BOP, had hands make sure BOP and all other valves were tightened. Tested 3rd MIT record on chart at 500 psi for 45 minutes and showed no loss of pressure greater than 10%. Reverse Unit released for the day. POOH 240 jts. to recover 5 1/2" kline plug and 5 1/2" crest pkr set at 12,036'.

7/17/13 – Shut down for rain

7/18/13 – RIH w/ tbg and 5 1/2" packer, set @ 12,079'. Run injectivity test, pumped to 4.8 bbls/minute @ 500 psi. SDFN

7/22/13 - Pump 75 bbls of fresh water down backside and load casing, pressure up backside to 500 psi. Begin Acidizing on tubing, 2,000 gal of 28% HCl. Begin Flush, Pump 75 bbls down tubing to flush acid. SDFN

7/23/13 - Begin Injectivity test, well was on vacuum, began pumping down on tubing, pumped 75 bbls, results were 5.8 bbls/ a minute @ 1900 psi. POOH w/ 388 jts & packer to get ready to re-perforate. RIH to TD to begin perf. Tagged up @ 12,150'. RIH and re-tally in the morning

7/24/13 - RIH w/ 388 jts and 4 5/8 bit & Tag up @ 12,155'. Additional 7' of KB comes @ 12,162'. Begin to circulate DH to clean out Bottom, pump 480 bbls. POOH to prepare for re-perf. SDFN

7/25/13 - POOH w/ 388 jts and 4 5/8" bit. RIH w/ 2 guns, Run No.1 was shot @ 12,150' Run No. 2 was shot w/ top perf @ 12,135' to 12,145'.

7/26/13 - RIH w/ 2 7/8" tubing & 5 1/2" Injec. Packer and set @ 12,083'. Begin to acidize perms 12135" -12150" @ 6 spf. Total No. of holes at 116. Fill backside tubing with 75 BBLs of produced and hold casing to 500 psi. Start Acid via tbg, 5000 gallons of 28% HCl, 40 gal of ACI, 5 gal of NE, 15 gal of FE - (Reducer). Shut in well for weekend.

7/29/13 – Begin injectivity test, well on vacuum. Initail rate on pump 7 bbl/min @ 5-10 psi. Tie in to injection flowline, rate @ 2.2 bbl/min @ 210 psi. Move Injection line and set new meter to go into wellhead. 4800 bbl/day rate @ 200 psi. Shut down, leave well to test injectivity overnight.

7/31/13 - POOH w/ 388 jts 2 7/8" tubing & 5 1/2" Packer & begin to prep to RIH with production tubing on Thursday

8/1/13 - RIH w/ 251 jts of 2 7/8" production tbg, p/o sub & 5 1/2" Packer w/ on/off tool. Load tubing w/ 25 bbls to allow equalize

8/2/13 - Continue to RIH w/ 2 7/8" production tbging, p/o sub- 5 1/2" Packer w/ on/off tool. RIH w/ 2 7/8" production tbg to 11,213'. Packer unintentionally set. Packer finally un-sets and comes loose. POOH w 2 7/8" production tbg, p/o sub- 5 1/2" Packer.

8/5/13 - RIH w/ 2 7/8" production tbg, p/o sub- 5 1/2" nickel plated Packer w/ on/off tool and TU @ 11,147'. Began to take on weight @ 11,147' so pulled up 4' and turned right & began to torque up. POOH w/ production tubing and RBIH with Renegade services wireline gauge next day.- SD for day.

8/6/13 - POOH w/ 2 7/8" production tbg, & 5 1/2" nickel plated packer w/ on/off tool joint. Inspect packer. Top & bottom gauge rings look scratched. Send to Lea Co. Packer for further inspection. RIH w/ 3 5/8" 60 arm logging tool down to 12'100. Logging inspection complete, results don't vary from original casing log completed on 7/12/13.

8/7/13 - RIH with 2 7/8" production tbg, 5 1/2" x 2 3/8" packer, 2 3/8" to 2"7/8 X/O. RIH w/ 372 jts of 2 7/8" production tbg & set 5 1/2" Packer @ 12,085.59". Load backside of tbg w/ 70 bbls of produced water @ rate of 1.2 bbl/minute. 2 3/8" p/o plug blew @ 59 bbls. Load backside of casing w/ 1.5 bbls of packer fluid & 125 bbls of fresh water. ND BOP, NU injector head & attach flowline, 22 lb vaccum on wellhead.

8/8/13 -Tied reverse unit to casing, pressured up to 560 psi , hooked up chart recorder and performed pre MIT - held 545 lbs. for 45 minutes - called Maxie Brown with NMOCD to witness MIT, he happened to be in the area and arrived on location at 11:30 AM - bled annulus pressure down and repressured backside to 550#. Shut annulus in for 40 min. Witnesses signed chart. Rigged down reverse unit, chart recorder - released reverse unit. Cleaned up around well head and rigged down pulling unit. Tied in injection line from Water Station to commence water injection.

Initial injection rate of 3750 bpd - Pump pressure - 190 psi - well head psi - 11.5 oz vac.

