

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

Form C-103  
Revised July 18, 2013

|                                                                                                                                                                                                                       |  |                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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.<br>30-025-09641                                                                        |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <u>INJECTOR</u>                                                                                                            |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>LEGACY RESERVES OPERATING LP                                                                                                                                                                   |  | 6. State Oil & Gas Lease No.<br>306443                                                              |
| 3. Address of Operator<br>PO BOX 10848, MIDLAND, TX 79702                                                                                                                                                             |  | 7. Lease Name or Unit Agreement Name<br>COOPER JAL UNIT                                             |
| 4. Well Location<br>Unit Letter <u>O</u> : <u>990</u> feet from the <u>SOUTH</u> line and <u>1980</u> feet from the <u>EAST</u> line<br>Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM County <u>LEA</u> |  | 8. Well Number <u>135</u>                                                                           |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3312' GL                                                                                                                                                        |  | 9. OGRID Number<br>240974                                                                           |
|                                                                                                                                                                                                                       |  | 10. Pool name or Wildcat<br>Jalmat; T-Y-7R; Langlie Mattix; 7R-Q-G                                  |

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 checked="" type="checkbox"/>        |                                           |                                                  |                                          |
| OTHER: CLEAN OUT & DEEPEN <input checked="" type="checkbox"/> |                                           | OTHER: <input 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.

---SEE ATTACHED PROCEDURE ALONG WITH CURRENT AND PROPOSED WELLBORE DIAGRAMS---

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 03/06/2014

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

For State Use Only

APPROVED BY: Malay Brown TITLE Compliance Officer DATE 3/12/2014

CONDITION OF APPROVAL: Operator shall give the OCD District Office 24 hour notice before running the MIT test and chart.

R-4020

MAR 13 2014

**PROCEDURE TO CLEAN OUT AND DEEPEN**  
**Cooper Jal Unit #135 WIW**  
**API: 30-025-09641**  
**Lea County, New Mexico**  
**02/25/2014**  
**AFE #: 214024**

**WELL SUMMARY & OBJECTIVE:**

The subject well is an active water injector in the Cooper Jal Unit. The well was last cleaned out to 3,530' in January 2011. This AFE will provide funds to clean out to 3,650 ft. (current TD) and deepen the well to 3,780' (through the Queen Formation). Upon deepening, the well will be acid stimulated and once a Mechanical Integrity Test is achieved, the well will be returned to Water Injection.

**PROCEDURE:**

1. Test anchors prior to moving in Pulling Unit.
2. Hold pre job safety meeting and MIRU PU.
3. Kill well if necessary. ND tree & NU BOP.
4. Unset pkr & POOH with tbq.
5. PU shoe, 1 jt wash pipe, drill collars and 2-7/8" WS.
6. RIH to top of fill, circulate hole and clean out to top of RBP (w/ pieces of CIBP above it) at 3,530'.
7. Attempt to mill over RBP & junk with shoe and wash pipe to TD of 3,650'. Drill 3-5' new formation core with shoe & POOH. If unsuccessful, skip to acid treatment, step 11. Otherwise proceed with step 8 once RBP has been removed.
8. PU 4-3/4" bit and drill collars. TIH with WS and drill new hole to 3,780'.
9. At new TD of 3,780', circulate hole clean and POOH.
10. PU treating pkr on WS. RIH and set pkr at +/- 2,980'.
11. MIRU Acid Company and acidize down tubing with 10,000 gals of 15% HCL acid and 10,000 lbs of rock salt. Pump acid and rock salt at 5 to 10 BPM with a max surface treating pressure of 4500 psig. Pump acid stages alternating acid and rock salt in brine water.
  - a. Pump 1000 gals acid
  - b. Pump 700#'s rock salt in brine water
  - c. Pump 1500 gals acid
  - d. Pump rock salt stage and increase or decrease rock salt based on pressure response of previous diversion stage.
  - e. Pump 2000 gals acid

- f. Pump rock salt stage. Choose rock salt volume based on pressure response
  - g. Pump 2500 gals acid
  - h. Pump rock salt stage. Choose rock salt volume based on pressure response
  - i. Pump 3000 gals acid
  - j. Displace acid to top perf with 2%KCL water
- 
- 12. Obtain 5, 10, & 15 minute SIP's and flow back load if well has surface pressure. RDMO acid company.
  - 13. If no flow back, RU swab and swab back load.
  - 14. Unset pkr. POOH and LD pkr.
  - 15. RIH w/ WS with notch collar and clean out rock salt to 3,780'.
  - 16. POOH & PU Injection Packer. Hydrotest in the hole to +/- 2,960' (shallowest depth packer can be set is within 100' of top perf at 3,019').
  - 17. Circulate packer fluid around backside and set packer.
  - 18. ND BOP & NU tree.
  - 19. Test packer to 500 psi for 30 minutes, to ensure it will pass MIT.
  - 20. RDMO PU.
  - 21. Perform MIT. Upon approval from NMOCD, return well to injection.

PREPARED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

|           |                       |
|-----------|-----------------------|
|           | <b>Location:</b>      |
| Footage:  | 990 FSL & 1980 FEL    |
| Section:  | Sec. 24, T-24S, R-36E |
| Block:    |                       |
| Survey:   |                       |
| County:   | Lea, New Mexico       |
| Lat:      |                       |
| Long:     |                       |
|           | <b>Elevations:</b>    |
| GL:       | 3,312'                |
| KB:       | 3,318'                |
| KB Calc:  | 6'                    |
| ck w/log? | Yes                   |

### Wellbore Diagram

|                   |              |
|-------------------|--------------|
| Reservoir:        | Cooper Jal   |
| Well ID Info:     | CJU #135     |
| API No:           | 30-025-09641 |
| init. Comp. Date: | 3/1/1954     |

|              |                   |
|--------------|-------------------|
| Hole Size:   | 11"               |
| Surface Csg: | 8-5/8", 28#, J-55 |
| Set @        | 288'              |
| Cement w/    | 125 sx            |
| Circ:        | Yes               |
| TOC:         | Surface           |

|            |                                              |
|------------|----------------------------------------------|
| Hole Size: | 7-7/8"                                       |
| Prod. Csg: | 5-1/2", 14# (39 [js.], 15.5# (69 [js.], J-55 |
| Set at:    | 3472'                                        |
| Cement:    | 400 sx                                       |
| Circ:      | No                                           |
| TOC:       | 2728' from surface by cement bond log        |

TOC @ 2728' by CBL

pkr @ 2930'

Yates © 2017

3019'-3097'

3102'-3194'

3201', 3203', 3210'

3285'-3302'

3358'-3362'

OH Interval: 3472'-3650'

OH ID: 4-3/4"

RBP pushed into OH to 3530"

Queen @ 3609'

|      |              |
|------|--------------|
| PBTD | 3530'        |
| TD   | <u>3650'</u> |

[illegible][illegible][illegible]

Updated: 01/13/14 MLS

