

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 PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-11290
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> INJECTOR		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No. 141560
3. Address of Operator P.O. BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name COOPER JAL UNIT
4. Well Location Unit Letter <u>C</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>1917</u> feet from the <u>WEST</u> line Section <u>30</u> Township <u>24S</u> Range <u>37E</u> NMPM County <u>LEA</u>		8. Well Number <u>228</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3267' GL		9. OGRID Number 240974
		10. Pool name or Wildcat Jalmat; Tansill-Yates-7Rivers

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: ☐

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----

**Condition of Approval: notify
OCD Hobbs office 24 hours
prior of running MIT Test & Chart**

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 [Signature] TITLE OPERATIONS ENGINEER DATE 09/24/2015

Type or print name JOHN SAENZ E-mail address: jsaenz@legacylp.com PHONE: (432) 689-5200

For State Use Only

APPROVED BY: [Signature] TITLE Dist. Supervisor DATE 9/29/2015
Conditions of Approval (if any)

OCT 07 2015

**Cooper Jal Unit #228
API: 30-025-11290
Lea County, New Mexico
9/10/2015**

Note: Well will not pass a MIT.

Proposed Procedure

1. MIRU pulling unit. Install BOP and POOH with injection packer and tubing.
2. PU work string and set RBP at 2900'. Circulate hole with kill fluid.
3. Isolate casing leak.
4. TOOH with RBP. RIH with injection packer with plug in place. Set and test injection packer @ 2988'.
5. TOOH and lay down extra work string. Pick up and run in with dual packer scab liner. Set scab liner across casing leak.
6. Pressure test casing.
7. TOOH and lay down work string.
8. PU and RIH with injection tubing. Circulate packer fluid.
9. Perform pressure test to 500 psi and Rig down
10. Do state MIT and return to injection.

John Saenz

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 228 WIW										
		STATUS: Active	Water Injector	API# 30-025-11290										
LOCATION: 660 FNL & 1917 FWL, Sec 30, T - 24S, R - 37E; Lee County, New Mexico SPUD DATE: TD 3134 KB 3,278' DF 3,276' INT. COMP. DATE: 11/24/49 PBTD 3125 GL 3,267'														
Surface Csg Hole Size: 12 1/4 in sg. Size: 9 5/8 in Set @: 1164 ft Sxs Cmt: 600 Circ: Yes TOC @: surf TOC by: circ		ELECTRIC LOGS: GR-N from surface - 3130' (11-13-49 Lane Wells) Temperature Survey (11-14-49 Halliburton) Tracer Survey (11-8-76 Cardinal Surveys)												
Production Csg Hole Size: 8 3/4 in sg. Size: 7 in Set @: 3133 ft Sxs Cmt: 400 Circ: No TOC @: 1845 f / surf TOC by: TS		GEOLOGICAL DATA CORES, DST'S or MUD LOGS: HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 2957' 7-Rivers @ 3187' Queen @ 3560'												
CASING PROFILE SURF. 9 5/8" - 32#, J-55 set@ 1164' Cmt'd w/600 sxs - circ cmt to surf. PROD. 7" - 20#, J-55 set@ 3133' Cmt'd w/400 sxs - TOC @ 1845' from surface by Temp. Survey. LINER None														
CURRENT PERFORATION DATA CSG. PERFS: 3040 - 3120' w/6 spf (480 holes total) OPEN HOLE :														
TUBING DETAIL 5/8/2008 ROD DETAIL														
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Length (ft)</th> <th style="text-align: left;">Detail</th> </tr> </thead> <tbody> <tr> <td>2988</td> <td>9 KB (as used in 10-17-88 workover)</td> </tr> <tr> <td>4</td> <td>2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.</td> </tr> <tr> <td></td> <td>7" x 2 3/8" Baker AD-1 packer</td> </tr> <tr> <td>3001</td> <td>blm</td> </tr> </tbody> </table>					Length (ft)	Detail	2988	9 KB (as used in 10-17-88 workover)	4	2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.		7" x 2 3/8" Baker AD-1 packer	3001	blm
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WELL HISTORY SUMMARY														
24-Nov-49 Initial completion interval: (Yates) 3040 - 3120' w/ 6 spf (480 holes total): treated w/ 500 gals 15% HCL and 500 gals 20% HCl acid. IP = 63 bopd, 0 bwopd, & 74 Mcfgpd (flowing). API Grvty = 35.8 30-Apr-74 CONVERTED TO INJECTION: Tagged TD @ 3125'. Acidz'd perfs (3040 - 3120') w/ 3,000 gals 15% HCL in two stages. Ran pkr on 2 3/8" CL tbg. Initiated injection @ 100 bwpd. 18-Mar-76 Replaced 1 jt tbg. Ran new pkr. Set pkr @ 2954'. Initiated injection. 8-Nov-76 Ran injection profile. Found 39' of fill and no flow below 3081'. 11-Aug-88 SI due to tbg. Leak. 20-Oct-88 C/O fill (scale & iron sulfide) f/ 3051'-3125' (74'). Acidz'd perfs (3040'-3120') w/ 2,500 gals containing 2% Mutual Solvent. Ran new pkr & 2 3/8" CL tbg. Set pkr @ 2924'. Initiated injection @ 560 bwpd, TP=450 psi. 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3029' (104' of fill) 15-Mar-04 POOH w/ 2 3/8" IPC tubing string & 2 3/8" x 7" Baker Model AD-1 PKR. RIH w/ 6 1/8" bit & 4 - 4 1/4" drill collars on 2 7/8" tubing. Tagged fill at 3003'. Cleaned out to PBTD at 3125' . POOH & laid down w/ work string, drill collars, & bit. RIH w/ 2 3/8" x 7" Baker Model AD-1 Tension packer hydrotesting 2 3/8" IPC tbg to 5000#. Located packer at 2988' . Circ'd annulus w/ 100 bbls of 2 % KCl water plus PKR fluid. Set packer & pressure test to 560 psig for 30 minutes. Pulled chart for TRC filing. Prior rate and pressure: 339 BWPD at 600 psig . After rate & pressure: 336 BWPD at 600 psig . Maximum allowable pressure is 600 psig . 25-Mar-04 Pumped 30 bbls surfactant water. Acidized with 1000 gals 15% NEFE HCl acid @ 2.3 BPM. Flushed with 13.2 bbls water. Prior rate & pressure: 360 BWPD @ 775 psig . After rate & pressure: 335 @ 650 psig . 06-Dec-04 Prior rate & press: 300 BWPD @ 1000# . RIH w/ 1 1/4" Perf-Clean Tool on 1 1/4" coil. Washed f/2995' to 3125' , made a passes w/ surfactant water. CTP=3500#, Annulus Press=100#. Acidized w/3500 gals 15% NEFE acid, could not go passed 3077'. CTP=4000#, Annulus Press= 900#. ISIP=820#. PWOI. After rate & pressure: 278 bwpd @ 600# . 09-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,100'. 02-May-08 SITP = 900 psi.- Bled pressure. POOH w/ injection string & 7" AD-1 PKR. RIH w/ 6 1/8" bit on work string. Tagged fill @ 3057' . Cleaned out to 3134' - recovered scale & iron sulfide. RIH with 7" AD-1 PKR on 2 3/8" IPC tubing. Set PKR @ 2988' . Circ'd annulus, pressure test to 400 psi. Pulled pressure chart for OCD. 27-Sep-11 Injection profile shows: fill @ 3080' (60' fill), 90% into main pay, 10 into fill. Rate: 377 bwpd @ 800 psig.														

7-Rivers @ 3187'

Queen @ 3560'

Top of Anhydrite @ 1110'

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

06-Jun-08