

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 INTO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-09560 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" 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>I</u> : <u>1650</u> feet from the <u>SOUTH</u> line and <u>990</u> feet from the <u>EAST</u> line Section <u>13</u> Township <u>24S</u> Range <u>36E</u> NMPM County <u>LEA</u>		8. Well Number <u>146</u> ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3326' GL		9. OGRID Number 240974
		10. Pool name or Wildcat Jalmat; Tans-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 checked="" 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: <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----

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

TITLE OPERATIONS ENGINEER

DATE 09/15/15

Type or print name

JOHN SAENZ

E-mail address: jsaenz@legacylp.com

PHONE: (432) 689-5200

For State Use Only

APPROVED BY:

TITLE

Petroleum Engineer

DATE

09/15/15

Conditions of Approval (if any):

SEP 23 2015

**Cooper Jal Unit #146
API: 30-025-09560
Lea County, New Mexico
9/10/2015**

Note: Well will not pass a MIT. Suspect a shallow casing leak. During MIT production casing and surface casing communicated, water came out of the ground. Wellbore diagram has top of cement at 200' by calculation. Top 5' of surface casing will need to be replaced.

Proposed Procedure

1. Dig up around well head to 8' below surface. Knock cement off surface casing until good pipe is found
2. MIRU pulling unit. Install BOP and POOH with injection packer and tubing, lay down tubing.
3. PU work string and set RBP at 2900'. Circulate hole with kill fluid.
4. Isolate casing leak.
5. Run CBL and CCL. From surface to 2900'. Lay down work string if room is needed.
6. Remove BOP. Cut off well head. Spear and pick up on production casing.
7. MIRU Back off service and attempt to back off production casing 2 collars below leak.
8. Rig down Back off service. POOH and lay down production casing.
9. Cut off bad surface casing and replace with 8-5/8" 28#/ft casing and install new casing head.
10. Pickup new 5-1/2" 14#/ft casing, RIH, and screw into old casing.
11. Install wellhead and install BOP.
12. Pressure test casing.
13. RIH with work string and remove RBP. TOOH and lay down.
14. PU and RIH with injection tubing and injection packer. Set packer at 2886' and circulate packer fluid.
15. Perform pressure test to 500 psi and Rig down
16. Do state MIT and return to injection.

John Saenz

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit		WELL NO. 201												
		STATUS: Active	Water Injector	API# 30-025-09628												
LOCATION: 660 FNL & 330 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico																
SPUD DATE: TD 3237 KB 3,316' DF		INT. COMP. DATE: 05/02/50 PBDT 3160 GL 3,308'														
<p>Surface Csg</p> <p>Hole Size: 11 in</p> <p>Csg. Size: 8 5/8 in</p> <p>Set @: 285 ft</p> <p>Sxs Cmt: 125</p> <p>Circ: Yes</p> <p>TOC @: surf</p> <p>TOC by: circ</p>		<p style="text-align: center;">ELECTRIC LOGS:</p> <p>Ejecto Log Tracer (3-17-78 Cardinal Surveys Co.)</p> <p>Injection Profile (9-14-81 Technical Surveys Company)</p> <p style="text-align: center;">GEOLOGICAL DATA</p> <p style="text-align: right;">CORES, DST'S or MUD LOGS:</p> <p style="text-align: center;">HYDROCARBON BEARING ZONE DEPTH TOPS:</p> <p style="text-align: center;">Yates @ 3018' 7-Rivers @ 3252' Queen @ 3600'</p> <p style="text-align: center;">CASING PROFILE</p> <p>SURF. 8 5/8" - 28#, J-55 set@ 285' Cmt'd w/125 sxs - circ cmt to surf.</p> <p>PROD. 5 1/2" - 14#, J-55 set @ 2994' Cmt'd w/200 sxs - TOC @ 1940' f/ surf by calc. DV tool @ 1210' - prmp 200 sxs -</p> <p>LINER None 5 1/2" - TOC@ 140' f/ surf by calc.</p> <p style="text-align: center;">CURRENT PERFORATION DATA</p> <p>CSG. PERFS: OPEN HOLE : 2994 - 3160'</p>														
<p>Tagged fill @ 600'</p> <p>DV Tool @ 1210'</p> <p>TOC@ 1940' By Calc.</p> <p>pkrr @ 2886'</p> <p>Jalmat Yates @ 3018'</p> <p>OH Interval 2994 - 3160'</p> <p>TOC @ 3160'</p> <p>cmt plug</p> <p>OH ID 4 3/4 in 7-Rivers @ 3252'</p> <p>Queen @ 3600'</p>		<p style="text-align: center;">TUBING DETAIL 5/20/2009 ROD DETAIL</p> <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>0</td> <td>KB</td> </tr> <tr> <td>890</td> <td>29 jts - 2 3/8" 4.7#, IPC Super Max TBG</td> </tr> <tr> <td>1993</td> <td>65 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg - turn down collars.</td> </tr> <tr> <td>3</td> <td>1- 5 1/2" x 2 3/8" Baker Model "A-1" packer</td> </tr> <tr> <td>2886</td> <td>btm</td> </tr> </tbody> </table> <p>WELL HISTORY SUMMARY</p> <p>02-May-50 Initial OH completion 2994 - 3237' (Yates OH). No stimulation. IP=67 bopd, 0 bwppd, & 76 Mcfgpd (flowing)</p> <p>18-Mar-58 C/O fill from 3070 - 3237' (167')</p> <p>01-Apr-62 Cumulative production: 155,008 Bo & 772,569 Mcfg</p> <p>03-Oct-62 Frac'd OH w/30,000 gals lse oil carrying 75,000#'s sand and 1,000#'s moth balls. PB open hole w/cmt to 3157'.</p> <p>21-Sep-71 CONVERTED TO INJECTOR: Had to kill well - flowing oil. C/O fill to 3157'. Ran pkr on 2 3/8" CL tbg. Set pkr @ 2929'. Placed well on injection.</p> <p>17-Mar-78 Tagged fill @ 3153' (4'). Not C/O.</p> <p>14-Sep-81 Ran injection survey. Tagged fill @ 3147' (10'). Not C/O.</p> <p>05-May-88 C/O fill from 3098 - 3153' (55'). Side jet wash OH. Drilled out cmt plug in OH w/ 4 3/4" bit to 3160'. Installed new cmt lined tubing. Initiated injection @ 1,000 bwppd, TP=20 psi.</p> <p>18-Jul-90 Made tag run - No fill. Tst csg to 300 psi. Good tst. Returned well to injection.</p> <p>14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag inside tbg @ 1706' (1531' above TD).</p> <p>29-Sep-05 POOH w/ 91 - 2 3/8" cement lined tbg & 5 1/2" x 2 3/8" Baker AD-1 Tension packer. Redressed packer & hydrotest tubing in hole. Repalced 3 bad joints. Pressure test annulus to 400 for 30 minutes. Pulled pressure chart for OCD.</p> <p>08-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 600'.</p> <p>20-May-09 POOH laying 91 jts 2 3/8" CL tbg. Found hole on 74th jt. Hydrotest tbg to 5000#. Ran 5 1/2" AD-1 PKR on 94 jts, 2 3/8" IPC tubing. Pulled H-5 chart for OCD. Did not tag or clean out.</p> <p style="text-align: center;">Before Rate/Press: 580 bwppd @ 683#. After Rate/Press: 1000 bwppd @ 610#.</p>			Length (ft)	Detail	0	KB	890	29 jts - 2 3/8" 4.7#, IPC Super Max TBG	1993	65 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg - turn down collars.	3	1- 5 1/2" x 2 3/8" Baker Model "A-1" packer	2886	btm
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<p>Production Csg.</p> <p>Hole Size: 7 7/8 in</p> <p>Csg. Size: 5 1/2 in</p> <p>Set @: 2994 ft</p> <p>Sxs Cmt: 400</p> <p>Circ: No</p> <p>TOC @: 140 f / surf.</p> <p>TOC by: calc.</p>																
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<p>PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 26-May-09</p>																