

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

WELL API NO. 30-025-09560
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. 141560
7. Lease Name or Unit Agreement Name COOPER JAL UNIT
8. Well Number 146
9. OGRID Number 240974
10. Pool name or Wildcat Jalmat; Tans-Y-7R/Langlie Mattix; 7R-Q-G

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.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ INJECTOR ☒ **HOBBS OCD**

2. Name of Operator
LEGACY RESERVES OPERATING LP

3. Address of Operator
P.O. BOX 10848, MIDLAND, TX 79702

4. Well Location
Unit Letter I : 1650 feet from the SOUTH line and 990 feet from the EAST line
Section 13 Township 24S Range 36E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3326' GL

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

NOTICE OF INTENTION TO:		E-PERMITTING <SWD INJECTION> CONVERSION _____ RBDMS _____ RETURN TO _____ TA _____ CSNG _____ ENVIRO _____ CHG LOC _____ INT TO P&A <u>PM</u> P&A NR _____ P&A R _____ OTHER: _____
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	
DOWNHOLE COMMINGLE ☐		
CLOSED-LOOP SYSTEM ☒		
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 P&A PROCEDURE ALONG WITH CURRENT AND PROPOSED WELLBORE DIAGRAMS----

**The Oil Conservation Division
MUST BE NOTIFIED 24 Hours
Prior to the beginning of operations**

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 COMPLIANCE COORDINATOR DATE 10/19/2015

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

For State Use Only

APPROVED BY: Mary Brown TITLE Dist Supervisor DATE 10/22/2015
Conditions of Approval (if any):

OCT 22 2015

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

Note: Well will not pass a MIT. Found a shallow casing leak at 65'. Surface casing is not useable (mostly holes) from surface to 15'.

Proposed P&A Procedure

1. MIRU. Pick up work string. RIH and retrieve RBP @ 2900. Contact Odessa PKR (Leonard (432) 553-0045) to release and take possession of the RBP.
2. RIH and set CIBP @ 3380', and spot 100' of cement on top of CIBP.
3. RIH and set CIBP @ 2950'. *255x6*
4. Circulate minimum 9.5 ppg P&A mud to surface and spot 100' of cement on top of CIBP @ 2950'. *255x5*
5. TOOH. RIH open ended and spot 100' cement balanced plug from 1225' to 1125'. *WOC ? TAG*
6. RIH open ended to 350'. Spot 100' balanced cement plug. POOH. WOC. RIH w/ opened ended tubing and tag TOC at/above 250'. Circulate P&A mud to surface.
7. TOOH. Perforate at 100'.
8. Circulate cement from 100' to surface.
9. POOH, top off casing, remove WH, set P&A marker, clean and reclaim location.

John Saenz

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO. (Formerly No. 233) 146 WIW	
		Cooper Jal Unit			
		STATUS: Active		Water Injector	
		API# 30-025-09560			
CSG LK @ 65' TOC @ 200' By Calc. DV Tool @ 1269' TOC @ 1980' By Calc. RBP @ 2900' Jalmat Y @ 3001' 3008'-26' 3027'-36' 3046'-60' 3079'-83' 3112'-18' 3126'-31' 3193'-3202' 3207'-16' 3260'-68' 7-R @ 3216' Fill @ 3010' Langlie Mattix 3394'-96' 3404'-06' 3414'-16' 3428'-38' 3458'-72' 3482'-90' Fill @ 3484' Q @ 3562' 3566'-70' 3607'-10' 3625'-28' OH ID 4 3/4 in (Original) OH Interval 3433 - 3591'		LOCATION: 1650 FSL & 990 FEL, Sec 13, T - 24S, R - 36E, Lee County, New Mexico SPUD DATE: TD 3642 KB 3,334' DF INT. COMP. DATE: 06/30/50 PBTD 3575 GL 3,326'			
		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS:	
		ELECTRIC LOGS: GR-N from 2100 - 3641' (9-1-71 Dresser Atlas) Injection Profile (4-26-95 Houston, Inc.) GR-CCL from 3640 - 2800' (6-1-94 Halliburton)		HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 3001 7-Rivers @ 3216' Queen @ 3562'	
		CASING PROFILE			
SURF. 8 5/8" - 28#, J-55 set @ 300' Cmt'd w/75 sxs - TOC @ 35' f/ surf by calc. PROD. 5 1/2" - 14#, J-55 set @ 3034' Cmt w/200 sxs - TOC @ 1980' by calc. DV tool @ 1269. Cmt w/200 sxs - TOC @ 200' by calc. LINER 4" - 9.11#, FJ-40 set from 2980 - 3642' Cmt'd w/50 sxs - cmt circ out TOL @ 2980'		CURRENT PERFORATION DATA			
CSG. PERFS: 21-Sep-71 Perf'd Yates f/ 3008'-26', 3046'-60', 3079'-83', 3112'-18', 3126'-31', 3143'-50', 3193'-3202', 3207'-16' & 3260'-16', 21-Sep-71 Perf'd 7-Rivers f/ 3260'-68', 3394'-96', 3404'-06', 3414'-16', 3428'-38', 3454'-72', & 3482'-90' 21-Sep-71 Perf'd Queen f/ 3566'-70', 3607'-10' & 3625'-28' 24-May-94 Perf'd Yates f/ 3027'- 3036' & 3085'-3095' 3027 - 36' w/ 2 spf (20 holes total) 3088 - 3268' w/1 spf (80 holes total) 3085 - 95' w 2 spf (20 holes total) 3394 - 3628' w/ 1 spf (48 holes total)		OPEN HOLE : 3433 - 3591' Selectively Isolated behind 4" liner			
TUBING DETAIL		ROD DETAIL			
5/14/2008 Length (ft) Detail 11 KB					
WELL HISTORY SUMMARY					
30-Jun-50 Initial completion interval: 3034 - 3235' (Yates/7RVR OH). Acidz'd w/1,000 gals. IP=54 bopd, 0 bwpd, 61 Mcfgpd (flowing) 25-Feb-71 Production: 305 Mcfgpd @ FTP=121 psig 21-Sep-71 CONVERTED TO INJECTOR: Drd from 3235 - 3642'. Underreamed OH from 4 3/4" to 6". Installed 4" liner. Perf'd (Jalmat) 3008 -3268' and (Langlie Mattix) 3394 - 3628'. Acidz'd w/5,360 gals 20% HCL. 28-Sep-87 Attempt to pull dual inj. equip. C/O & acidz'd. Unable to recover fish (30' - 2 3/8" 4.7# EUE, 8rd CL tbg, Baker AD-1 PKR. flow controller & 1jt - 2 3/8" 4.7# EUE, 8rd cmt L/T w/bull plug.). TOF @ 3164'. Ran tbg & pkr. Set Pkr @ 2921'. PWOP. 24-May-94 Recoverd all of fish lost in 9/87. C/O to 3575' pushing pkr rubber below bit. PBTD @ 3575'. Test liner top - communication. Ran GR-CCL from 3640 - 2800'. Perf'd 3027 - 36' and 3085 - 95'. Ran pkr on 2 3/8" IPC tbg. Set pkr at 2951'. Initiated injection @ 937 bwpd, TP=400 psi. 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 2971' (671' of fill). 19-Feb-04 POOH w/ 2 3/8" IPC injection string & 5 1/2" Packer. RIH w/ 3 5/16" bit & 6 - 2 3/8" drill collars on 2 3/8" work string. Tagged at 3318', C/O to 3642' - recovered iron sulfide, scale, & rubber. Circulate clean. RIH /h 5 1/2" full bore packer to 2940'. Circ'd w/ 70 bbls 2% KCl water plus packer fluid. Set packer w/ 20 points & test backside to 500 psig - held. Pulled pressure chart for OCD. Prior rate & pressure: 183 BWPD @ 500 psig. After rate & pressure: 126 BWPD at 0 psig. Maximum allowable pressure - 600 psig. 08-Dec-04 Prior rate & press: 94 BWPD @ 80 psig. RIH w/ 1 1/4" Perf-Clean Tool on 1 1/4" CT. Washed out perfs w/ 2% KCl (surfactant water). Acidized perfs w/ 4,200 gals 15% NEFE acid. Flushed w/ 10 bbls. After rate & Press: 185 bwpd @ 0#. 08-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,010'. 09-May-08 Bled down f/400 psi to 0 psi. POOH w/2 3/8" IPC tbg & 5 1/2" AD-1 PKR. RIH w/2 3/8" Notch Collar. Tagged fill @ 3124'. Cleaned out to 3642'. RIH with 2 3/8" IPC tbg with 5 1/2" AD-1 PKR. Circulated with PKR fluid, pull Press Chart for OCD. 18-Jun-08 Foam CO2 Acid Treat Queen (3566'-3628') & 7-R (3260'-3490') w/3000 gals 15% NEFE HCl dropping 3000# RS. AIR= 5 bpm. Pavg= 1450 psig. Prior Rate/Press: 420 bpm @ 350#. After Rate/Press: 400 bpm @ 140 psig. 19-Jun-12 Injection Profile shows: fill at 3,484', 44% into 7-Rivers, and 40% into Yates 2. Rate 735 BPD @ 650 psig. 16-Oct-15 MIT failure. Pulled injection equipment and layed down. Installed RBP @ 2900' with 50' sand Found csg leak from 52'-67'. Dug up surface casing from surface to 15'. Surface casing does not have any integrity to be able to repair Rigged down and wait for well to be plugged.					
Production Liner Hole Size: 6 in Csg. Size: 4 in Top: 2980 ft Btm: 3642 ft Sxs Cmt: 50 Circ: Yes TOC @: TOL TOC by: circ		Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3034 ft Sxs Cmt: 200 Circ: No TOC @: 1980 f/ surf. TOC by: calc. PBTD: 3575 ft TD: 3642 ft			
PREPARED BY:		UPDATED:			
		16-Oct-15			

top Anhydrite 1175'

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit	WELL NO. (Formerly No. 233) 146 WIW																				
Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 300 ft Sxs Cmt: 75 Circ: No TOC @: 35 ft f/ surf TOC by: calc Production Liner Hole Size: 6 in Csg. Size: 4 in Top: 2980 ft Btm: 3642 ft Sxs Cmt: 50 Circ: Yes TOC @: TOL TOC by: circ Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3034 ft Sxs Cmt: 200 Circ: No TOC @: 1980 f/ surf TOC by: calc PBTd: 3575 ft TD: 3642 ft OH ID 4 3/4 in (Original) OH Interval 3433 - 3591'		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">STATUS: Active</td> <td colspan="2">Water Injector</td> </tr> <tr> <td colspan="4">LOCATION: 1650 FSL & 990 FEL, Sec 13, T - 24S, R - 36E, Lee County, New Mexico</td> </tr> <tr> <td>SPUD DATE:</td> <td>TD</td> <td>KB</td> <td>3,334'</td> </tr> <tr> <td>INT. COMP. 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