

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

HOBBS OCD

COPY

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

JUN 19 2017

SUBMIT IN TRIPLICATE - Other instructions on page 2

RECEIVED

1. Type of Well ☐ Oil Well ☐ Gas Well ☒ Other: INJECTION		5. Lease Serial No. NMLC063965
2. Name of Operator LEGACY RESERVES OPERATING LP Contact: JOHN SAENZ E-Mail: jsaenz@legacylp.com		6. If Indian, Allottee or Tribe Name
3a. Address 303 W WALL ST STE 1800 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-689-5200 Ext: 5282	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 24 T24S R36E NESE 2310FSL 990FEL		8. Well Name and No. COOPER JAL UNIT 132
		9. API Well No. 30-025-09639
		10. Field and Pool or Exploratory Area JALMAT;T-Y-7R/LM;7R-Q-G
		11. County or Parish, State LEA CO COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☒ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

All plugs to be minimum 25 sacks of cement.

Proposed P&A Procedure:

1. MIRU. Install BOP. Lay down injection tubing and packer. Pick up work string.
2. RIH and set CIBP at 3200'.
3. RIH and set CIBP at 2975'.
4. Circulate minimum 9.5 ppg P&A mud to surface and spot 100' of cement on top of CIBP at 2975'.
5. TOOH. Spot balanced cement plug from 1200' to 1100'.
6. TOOH. Perforate at 320'. Attempt to inject.
7. RIH with PKR to 200'. Pump into perf @ 320' w/minimum 35 sx cement. WOC, POOH w/packer. RIH w/opened ended tubing and tag TOC at/above 220'.
8. TOOH.

FOR RECORD ONLY
Pending BLM
Approval
MW 06/21/17

14. I hereby certify that the foregoing is true and correct. Electronic Submission #378799 verified by the BLM Well Information System For LEGACY RESERVES OPERATING LP, sent to the Hobbs	
Name (Printed/Typed) JOHN SAENZ	Title OPERATIONS ENGINEER
Signature (Electronic Submission)	Date 06/13/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #378799 that would not fit on the form

32. Additional remarks, continued

9. Spot cement plug from 100' to surface.

10. POOH, top off casing, remove WH, set P&A marker, clean and reclaim location.

Installed Closed-Loop System with steel tanks. Haul contents from Closed-Loop System to approved NMOCD disposal location according to Rule 19.15.17.

Surface Csg

Csg Size: 8 5/8 in

Sxs Cmt: 124

Circ: Yes

TOC @: surf

TOC by: circ

283

Burst

8 1/2" @

280', Cmt

w/200 sxs

CSG LK 328'

502' - 50 ..

TOC @ 685'

BY CBL:

DV Tool @ 1211'

TOC @ 2690'

By CBL.

Pkr @ 2926'

Yates @ 2992'

3024'-42'

3046'-54'

3066'-83'

3095'-3112'

3118'-222'

3124'-34'

3148'-70'

7-R @ 3212'

3212'-16'

3282'-93'

3466'-74'

OH Interval

3475'-3640'

Queen @ 3628'

Production Csg.

Hole Size: 7 7/8 in

Csg Size: 5 1/2 in

Set @: 3475 ft

Sxs Cmt: 500

Circ: No

TOC @: 685 f/ surf

TOC by: calc.

PBTD: 3640 ft

TD: 3640 ft

OH INT: 4.3/4 in

Cooper Jal Unit

Water Injector

2310 FSL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

3640

KB

3,315'

DF

04/08/54

TD

3640

GL

3,307'

05/12/54

PBTD

ELECTRIC LOGS:

GR-N from 0 - 3556' (4/25/54 Schlumberger)

Salt Top 1250'

GR-CBL MSG-CCL from 2,000 - 3,300' (6-7-95 Harnouss)

Yates Top 2992'

Injection Profile (1-29-97 Harnouss, Inc.)

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 3016'

7 Rovers @ 3236'

Queen @ 3628'

CASING PROFILE

SURF. 8 5/8" - 24#, J-55 set @ 283' Cmt'd w/124 sxs - circ cmt to surf.

PROD. 5 1/2" - 14#, J-55 set @ 3475' Cmt'd w/400 sxs - TOC @ 2690' from surf. DV tool @ 1211' - pmp 100 sxs -

LINER None

5 1/2" - TOC @ 685' f/ surf by calc.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE : 3475 - 3555' (7 RVRs/Queen OH).

1-Jun-95 Parra's Yates r/ 3024'-42', 3066'-83', 3095'-3112', 3125'-33' & 3148'-70' w/ 2 qtr (164 notes total)

26-Jun-95 Parra's 7-R r/ 3466'-74', 3282'-93', 3212'-16', Parra's Yates r/ 3152'-70', 3124'-34', 3118'-22', & 3046'-54', 75 ft, 75 notes, 1 JHPF.

TUBING DETAIL

1/28/2009

ROD DETAIL

Length (ft)

Detail

8 KB

2915 98 fts - 2 7/8" 6.5#, CL, J-55, 8rd EUE tbg.

3 1-5 1/2" x 2 7/8" Baker Model AD-1 packer

2926 btm

WELL HISTORY SUMMARY

12-May-54 Initial completion interval: 3475 - 3555' (7 RVRs/Queen OH). Frac'd w/4,000 gals & 0 #s sand. Burst csg @ 280', Cement sqz csg leak w/200 sxs (3 jobs) Tst OK @ 875 psi. Frac'd w/4,000 gals & 6,000#s sand. IP = 173 bopd, 245 Mcfpd (flowing).

11-Apr-76 Ac'd'd OH w/ 1,500 gals. Tight spot in csg @ 210'

18-Feb-85 C/O fill from 3473 - 3555' (82' of fill). Deepened to 3640', Ac'd'd OH 3475 - 3640' w/4,000 gals in 2 stages using 500# rock salt. Frac'd w/22,000 gals X-L gel & 56,000#s 12/20 sand ramping to 6 ppg.

11-Mar-87 C/O fill to 3640'

21-Apr-87 C/O fill to 3628'

15-Apr-88 Tag fill @ 3628'

01-Oct-93 Asm. Instr. Order No. WFX-648, Approval Division Order No. R-4019 & R-4020 for Waterflood Expansion.

01-Dec-93 CONVERTED TO INJECTOR: C/O from 3508 - 3640'. Ac'd'd OH w/4,000 gals 20% NEFE combined with 110 gals UT-460 & 110 gals T-425 micellar solvent & 1400#s rock salt. AIR=3 bpm @ 900 psi. ISIP=680 psi. RIH w/ CL tbg & pkr. Set pkr @ 3370'. Noted pkr is 105' above hole in csg. Inject @ 263 bwpd w/ TP=vacuum.

01-Jun-95 Ran GR-CBL-CCL, Perf (Jalmat) 3024 - 3170 (selectively). Ac'd'd w/5,000 gals 15% NEFE HCL & 250 RCN ball sealers in 6 stages. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2962'. Tst pkr. OK. Inject @ 461 bwpd w/ TP=580 psi. Converted to DHC injector w/ Pmax surf injection press = 590 psi.

28-Jun-00 C/O hard scale from 3145 - 3370'. Set CIBP @ 3300' and dmp 35' cmt on top. (PBTD @ 3265'). Ac'd'd perfs 3024'-3170' w/ 4,000 gals 15% NEFEHCL & 2,000#s rock salt in 3 stages. AIR=4 bpm @ 1380 psi. ISIP=570 psi, P15 min= 140 psig. Ran pkr on 2 3/8" CL tbg & set pkr @ 2955'. Injecting @ 250 bwpd, TP=160 psi.

14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 129' (3511' of fill)

14-Oct-03 Bladenhead Test failed: Bled CSG dn. to 0 psi. SI for 15 min-press build up to 500#. Witnessed by OCD Rep-Buddy Hill.

28-Oct-03 POOH with 2 3/8" IPC tbg & 5 1/2" x 2 3/8" AD - 1 packer. Laid down 2 3/8" IPC tbg. Clean out to 3265'. POOH and laid down with 4 3/4" bit, 6 - 3 1/2" drill collars. RIH with redressed 5 1/2" x 2 3/8" AD-1 packer on reconditioned 90 - 2 3/8" IPC tubing to 2954'. Packer would not test. Set packer at 2925', would not test. POOH with injection string. Test casing to 500 psig - held. RIH with injection string to 2931'. Circulated annulus with 70 barrels of 2 % KCl & inhibited packer fluid. Set Packer with 20,000# tension. Test casing to 500 psig - held. Pulled pressure chart for OCD.

07-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,272' (PBTD).

20-Jan-09 POOH w/2 3/8" IPC tbg & 5 1/2" x 2 3/8" AD - 1 packer. RIH w/ 4 3/4" bit & DC's. Drilled cmt & CIBP @ 3300' C/O to 3640'. Lost Perf Gun in open hole. Finished Perf Gun. Parra's 7-R r/ 3466'-74', 3282'-93', 3212'-16'; Parra's Yates r/3124'-34', 3118'-22', & 3046'-54', 75 ft, 75 notes, 1 jsp, 120 seepage seepage. Test annulus to 350 psig.

24-Apr-09 RU Gray WL. Tagged @ 37' w/ tagging tool. RD wireline. Packed well on injection. Rate/Press: 781 bwpd, 694#.

13-Apr-11 POOH with injection string. Cleaned out from 3,561' to 3,625' with 4 3/4" bit. Assembled with 20,000 gals 15% 90/10 blend plus 15,000# salt. ISIP= 580 psig. RIH with injection string. Set PKR at 2,926'. Packer MIT check for OCD.

05-Oct-16 Isolate and sqz casing leak at 328'-362' with 50 sxs cmt. Drilled out. Ran packer casing would not pass MIT.

