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

HOBBS OCD
MAR 10 2014
RECEIVED

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

WELL API NO. 30-025-09638

5. Indicate Type of Lease STATE ☐ FEE ☒

6. State Oil & Gas Lease No. 306443

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.)

7. Lease Name or Unit Agreement Name: COOPER JAL UNIT

1. Type of Well: Oil Well ☐ Gas Well ☐ Other INJECTOR

8. Well Number 122

2. Name of Operator: LEGACY RESERVES OPERATING LP

9. OGRID Number: 240974

3. Address of Operator: PO BOX 10848, MIDLAND, TX 79702

10. Pool name or Wildcat: Jalmat; T-Y-7R; Langlie Mattix; 7R-Q-G

4. Well Location
Unit Letter A : 330 feet from the NORTH line and 990 feet from the EAST line
Section 24 Township 24S Range 36E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3311' GL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☒						
OTHER: CLEAN OUT & DEEPEN			☒	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 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: Mary 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.*

WFX - 648 MAR 13 2014

PROCEDURE TO CLEAN OUT AND DEEPEN
Cooper Jal Unit #122 WIW
API: 30-025-09638
Lea County, New Mexico
2/25/2014
AFE #: 214019

WELL SUMMARY & OBJECTIVE:

The subject well is an active water injector in the Cooper Jal Unit. An Injection Profile that was run on June 20, 2012 determined the well to have fill at 3,220 ft. This AFE will provide funds to clean out to 3,552 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 w/ tbg in well.
5. PU 4-3/4" bit, drill collars and 2-7/8" WS.
6. RIH to top of fill (tagged w/ WL at 3,220' on June 20, 2012).
7. Circulate hole and clean out well to 3,552' (current TD).
8. Drill new hole from 3,552' 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 +/- 2,950' (shallowest depth packer can be set is within 100' of top perf at 3,020').
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:_____

Field: **Cooper Jal Unit**

CJU #122

	Location:
Footage:	330 FNL & 990 FEL
Section:	Sec. 24, T-24S, R-36E
Block:	
Survey:	
County:	Lea, New Mexico
Lat:	
Long:	
	Elevations:
GL:	3,311'
KB:	3,321'
KB Calc:	10'
ck w/log?	Yes

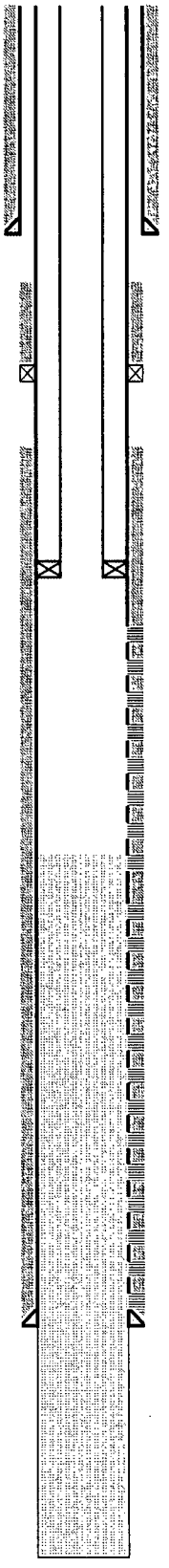
Date	History
18-Jun-54	Open hole complete 3465' - 3552'
9-Jun-56	Place well on rod pump.
5-May-71	Convert well to Injector.
10-Feb-84	CO to TD & ran new tbg.
4-Dec-93	CO 6' of fill to TD & acidize 3465' - 3552' w/ 4200 gal 20% HCl & 1900#
	RS. Perf 3020' - 3307' at 2 SPF & acidize w/ 4200 gal 20% & 300 BS.
14-Feb-02	Tag Fill at 3056' w/ SL.
10-Sep-03	Found HIC from 78' - 109'. Backed off at 149' & screwed on new csg.
	CO fill to 3477'. Perf 3324' - 3461' & acidize all perfs w/ 3000 gal 15%.
31-Oct-03	Redress leaking pkr.
2-Dec-04	Jet was w/ CT - 2 passes. Acidize 3511' - 3020' w/ 4200 gal in 3 passes.
7-Nov-05	Tag Fill at 3469' w/ SL.
21-Apr-09	Tag fill at 3338' w/ WL.
20-Jun-12	Tag fill at 3220' w/ WL.

	Tubing Detail (top to bottom)		
Joints	Description	Footage	Depth
	KB	10	10
93	2 3/8" 4.7#, CPL, J-55, 8rd EUE tbg.	2,927	2,937
	5 1/2" x 2 3/8" Baker Model AD-1 packer	3	2,940

	Rod Detail (top to bottom)		
Rods	Description	Footage	Depth

Pumping Unit:
Updated: 12/16/13 MCB

Wellbore Diagram



Reservoir: Cooper Jal

Well ID Info:	CJU #122 WIW
API No:	30-025-09638
Spud Date:	6/1/1954

Hole Size: 12-1/4"
Surf. Csg: 8 5/8" - 32#
Set @ 260'
Cement w/ 150 sx cmt + 2 sx Calcium Chloride
Circ: Yes
TOC: Surface

9/4/2003 - HIC at 78' - 109'. Backed off casing at 149' & ran new.

TOC: 600' (Calc)

DV Tool at 1200' (Cement w/ 100 sx)

TOC: 2273' (Calc)

Pkr at 2940' KB

Yates @ 3019'
Perf 3,020' - 3,052' (2 SPF) - 12/4/1993

Perf 3,069' - 3,089' (2 SPF) - 12/4/1993

Perf 3,103' - 3,120' (2 SPF) - 12/4/1993

Perf 3,133' - 3,146' (2 SPF) - 12/4/1993

Perf 3,152' - 3,182' (2 SPF) - 12/4/1993

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Perf 3,188' - 3,198' (2 SPF) - 12/4/1993

Perf 3,237' - 3,245' (2 SPF) - 12/4/1993
7-R @ 3247'

Perf 3,297' - 3,307' (2 SPF) - 12/4/1993

Perf 3,324' - 3,329' (2 SPF) - 9/6/2003

Perf 3,341' - 3,343' (2 SPF) - 9/6/2003

Perf 3,360' - 3,368' (2 SPF) - 9/6/2003

Perf 3,370' - 3,372' (2 SPF) - 9/6/2003

Perf 3,376' - 3,382' (2 SPF) - 9/6/2003

Perf 3,385' - 3,388' (2 SPF) - 9/6/2003

Perf 3,406' - 3,408' (2 SPF) - 9/6/2003

Perf 3,420' - 3,421' (2 SPF) - 9/6/2003

Perf 3,430' - 3,435' (2 SPF) - 9/6/2003

Perf 3,438' - 3,444' (2 SPF) - 9/6/2003

Perf 3,452' - 3,455' (2 SPF) - 9/6/2003

Perf 3,459' - 3,461' (2 SPF) - 9/6/2003

Hole Size: 7 7/8"
Prod. Csg: 5 1/2" - 14#, H-40
Set @ 3,465'
Cement: 200 sxs
DV Tool: 100 sxs

PBTD 3552'
TD 3552'

Queen @ 3610'

Field: Cooper Jal Unit

	Location:
Footage:	330 FNL & 990 FEL
Section:	Sec. 24, T-24S, R-36E
Block:	
Survey:	
County:	Lea, New Mexico
Lat:	
Long:	
	Elevations:
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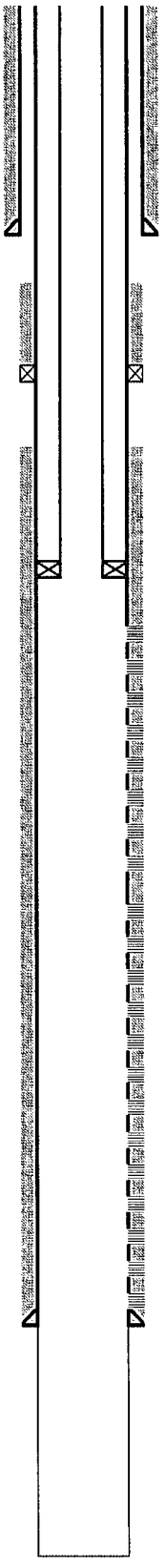
Rods	Description	Footage	Depth

Updated: 2/25/14 MLS

CJU #122
PROPOSED

Wellbore Diagram



Reservoir: Cooper Jal

Well ID Info:	CJU #122 WIW
API No:	30-025-09638
Spud Date	6/1/1954

Hole Size: 12-1/4"
Surf. Csg: 8 5/8" - 32#
Set @ 280'
Cement w/ 150 sx cmt + 2 sx Calcium Chloride
Circ: Yes
TOC: Surface

9/4/2003 - HIC at 78' - 109'. Backed off casing at 149' & ran new.

TOC: 600' (Calc)

DV Tool at 1200' (Cement w/ 100 sx)

TOC: 2273' (Calc)

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