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. 30-025-09644

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 134

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 N : 330 feet from the SOUTH line and 1650 feet from the WEST line
Section 24 Township 24S Range 36E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3310' 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:

MAR 13 2014

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-657

PROCEDURE TO CLEAN OUT AND DEEPEN
Cooper Jal Unit #134 WIW
API: 30-025-09644
Lea County, New Mexico
02/25/2014
AFE #: 214025

WELL SUMMARY & OBJECTIVE:

The subject well is an active water injector in the Cooper Jal Unit. The well was last cleaned out to current TD at 3,570 ft in January 2011. This AFE will provide funds to 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 and clean out well to 3,570' (current TD).
7. Drill new hole from 3,570' to 3,780'.
8. At new TD of 3,780', circulate hole clean and POOH.
9. MIRU WL & perforate at the following depths (all perfs 2 spf @ 180 deg):
    a. 16' from 3028'-3044'
    b. 20' from 3068'-3088'
    c. 8' from 3106'-3114'
    d. 6' from 3184'-3190'
    e. 6' from 3290'-3296'
    f. 6' from 3354'-3360'
    g. 6' from 3444'-3450'
    h. RDMO WL.
10. PU treating pkr on WS. RIH and set pkr at +/- 2,960' (**Note:** Pkr was set at 2,990' in August 1994 workover and csg would not test).
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 3,028').
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**

	Location:
Footage:	330 FSL & 1650 FWL
Section:	Sec. 24, T-24S, R-36E
Block:	
Survey:	
County:	Lea, New Mexico
Lat:	
Long:	
	Elevations:
GL:	3,310'
KB:	3,321'
KB Calc:	11'
ck w/log?	Yes

Date	History
18-Jul-54	OH frac 3463' - 3570' w/ 5000 gals Dowell PetroFrac & 7500# sand.
18-Sep-59	Changed status from flowing to rod pump.
22-Jun-73	Checked TD w/ tbg and re-activated well (well had been SI)
8-Nov-75	Acidize w/ 1500 gal.
15-Feb-79	Selectively Perforate 3031' - 3295', set RBP below and acidize perfs w/
	3000 gals 15% HCl & 3000 gals mud acid in 3 stages using BS. Frac'd
	perfs w/ 49000 gals X-L gel, 36000# 20/40 & 13500# 10/20 sd in 3 stages
	using 750# RS. CO 58' fill, recover RBP & RWTP.
11-Oct-82	CO 101' of fill to 3570'. Frac OH 3463' - 3570' w/ 6000 gal CO2, 23500#
	20/4 sand & 13500# 10/20 sand.
21-Jan-89	CO fill f/ 3521' - 3555'.
9-Aug-94	CO fill f/ 3524' - 3570', set pkr & acidize OH w/ 4200 gals 20% HCl +
	1700# RS in 4 stages. Pull pkr & acidize perfs + OH w/ 4200 gals 20%
	HCl & 2100# RS in 4 stages. Attempt to set pkr at 2,990' & would not
	test. Re-set pkr at 2959' & shut well in.
28-Feb-95	Lay injection line and place well on injection.
14-Feb-02	Tag fill at 3508' w/ sinker bar.
7-Nov-05	Tag fill at 3558' w/ sinker bar.
10-Jan-11	CO fill f/ 3460' - 3570' & acidized perfs + OH w/ 8500 gals + 15700# RS.

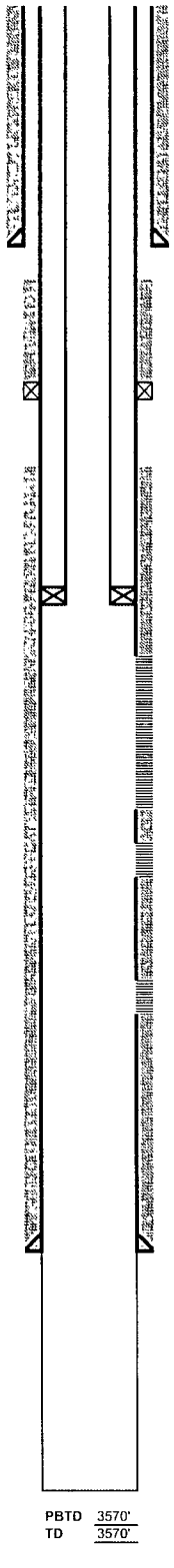
	Tubing Detail (top to bottom)		
Joints	Description	Footage	Depth
	KB	11	11
92	2-3/8" 4.7#, Cmt Lined, J-55, w/ on/off tool.	2,945	2,956
	1.78" ID Profile Nipple	1	2,957
	5 1/2" x 2 3/8" Baker Model AD-1 packer	3	2,960

	Rod Detail (top to bottom)		
Rods	Description	Footage	Depth

Pumping Unit:
Updated: 01/20/14 MCB

CJU #134

Wellbore Diagram



Reservoir:	Cooper Jal
Well ID Info:	CJU #134 WIW
API No:	30-025-09644
Spud Date:	6/29/1954

Hole Size: 12-1/4"
Surf. Csg: 8 5/8" - 28#
Set @ 286'
Cement w/ 150 sx cmt + 2 sx Calcium Chloride
Circ: Yes
TOC: Surface

TOC: 400' (Calc)

DV Tool at 1186' (Cement w/ 100 sx)

TOC: 1880' (Calc)

Pkr at 2950' KB

Yates @ 3030'

Perf: 3,031', 3034', 3037', 3040', 3042', 3069', 3071', 3074', 3078', 3081', 3084', 3087', 3107', 3109', 3111', 3113', 3115', 3135', 3142', 3153', 3155' & 3157' w/ 1 JSPF on 2/7/1979

Perf: 3223', 3225' & 3227' w/ 1 JSPF on 2/7/1979

7-R @ 3242'

Perf: 3291', 3293' & 3295' w/ 1 JSPF on 2/7/1979

Hole Size: 7 7/8"
Prod. Csg: 5 1/2" - 15.5#, J-55
Set @ 3,463'
Cement: 200 sxs
DV Tool: 100 sxs + 10% Gel

4-3/4" OH

PBTD 3570'
TD 3570'

Queen @ 3615'

Field: **Cooper Jal Unit**

CJU #134
PROPOSED

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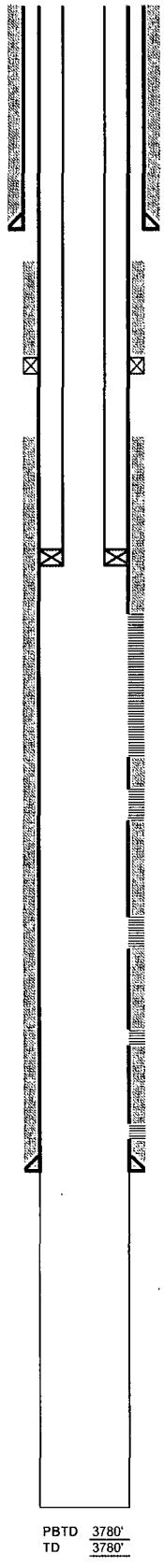
Rods	Rod Detail (top to bottom) Description	Footage	Depth

Pumping Unit:
Updated: 02/25/14 MLS

Wellbore Diagram



PBTD 3780'
TD 3780'

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Set @ 3,463'
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DV Tool: 100 sxs + 10% Gel

4-3/4" OH

Queen @ 3615'