

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. 30-025-28406
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LANGLIE JAL UNIT
8. Well Number 103
9. OGRID Number 240974
10. Pool name or Wildcat LANGLIE MATTIX;7RVRS-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 ☐	
2. Name of Operator LEGACY RESERVES OPERATING LP	
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702	
4. Well Location Unit Letter <u>P</u> : <u>1200</u> feet from the <u>SOUTH</u> line and <u>131</u> feet from the <u>EAST</u> line Section <u>31</u> Township <u>24S</u> Range <u>37E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3230' GR	

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: ☐		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 & 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 REGULATORY TECH DATE 09/02/2014

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

For State Use Only

APPROVED BY: Maley Brown TITLE Dist. Supervisor DATE 9/4/2014

Conditions of Approval (if any)

SEP 05 2014

WELLBORE SCHEMATIC AND HISTORY

CURRENT

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Langlie Jal Unit

WELL NO.

103

STATUS:

Inj

Producer

Oil

API#

30-025-28406

LOCATION:

1200 FSL & 131 FEL, Sec 31, T - 24 S, R - 37E, Lee County, New Mexico

SPUD DATE:

10/14/84 TD

3750

KB

3,242'

DF

3,241'

INT. COMP. DATE:

12/12/84 PBTD

3750

GL

3,230'

GR

ELECTRIC LOGS:

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2907'

7-Rivers @ 3128'

Queen @ 3470'

CASING PROFILE

Surf. Csg

8 5/8" - 24#, K-55 set @ 813' Cmt'd w/600 sxs - Circulated.

Prod.

5 1/2" - 14# K-55 set @ 3,750'. Cemented with 1250 sx Class C. Top of Cement @ Surface.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

12-Dec-84

Parr's (Queen) from 3470'-79', 3490'-15', 3532'-36', 3546'-52', 3561'-67', 3576'-79', 3583'-87', & 3597'-3599', 2 JHPF, 24 ft, 99 holes.

23-Nov-84

Parr's (7-Rivers) from 3174'-87', 3240'-45', 3369'-77', 3396'-3405', 35 ft, 2 JHPF, & 93 holes.

TUBING DETAIL

07-Dec-11

ROD DETAIL

07-Dec-11

2 7/8 J-55 EUE Tubing

2 7/8" x 5 1/2" TAC

2 7/8 J-55 EUE Tubing

2 1/2" SN

2 7/8" Perf Sub

2 7/8" 8rd EUE BPMA

1 1/4" x 16' w/ 7/8" Pin

1 1/4" x 1 1/2" x 8' Liner

8', 6' - 7/8" pony rods

7/8" steel rods

2' - 3/4" pony rods

7/8" steel rod

2 1/2" x 1 3/4" x 16' Pump

WELL HISTORY SUMMARY

06-Nov-84

Parr's (Queen) from 3470'-79', 3490'-15', 3532'-36', 3546'-52', 3561'-67', 3576'-79', 3583'-87', & 3597'-3599', 2 JHPF, 24 ft, 99 holes.

Acidized Queen with 2,300 gals 7 1/2" NEFE HCl overtop 158 ball sealers. Re-Acidized with 2300 gals 7 1/2" NEFE diverting with 158 ball sealers. Frac'd with 25,000 gals X/L gelled and 50,000# 20/40 mesh sand and 600 SCF N2/BBL. Swabbed to SN in 1 hour 16 bbl fluid.

Re-Frac'd with 25,000 gals X/L gelled and 50,000# 20/40 mesh sand and 600 SCF N2/BBL. Swabbed 12 hours - recovered 34 bo & 110 bw.

23-Nov-84

Parr's (7-Rivers) from 3174'-87', 3240'-45', 3369'-77', 3396'-3405', 35 ft, 2 JHPF, & 93 holes. Acidized w/ 1300 gals 7 1/2" NEFE acid divert w/ ball sealers. Swabbed 64 bbls in 4 hours w/ trace oil out. Re-Acidized w/ 1300 gals 7 1/2" NEFE diverting w/ 150 ball sealers. Swabbed dry.

Frac'd 7-Rivers with 15,000 gals X/L gelled and 30,800# 20/40 mesh sand and 600 SCF N2/BBL. Swabbed dry. Re-Frac'd 7-Rivers with 15,000 gals X/L gelled and 30,800# 20/40 mesh sand and 600 SCF N2/BBL. Swabbed to SN 12 bbls with 2% oil out. Re-Frac'd 7-Rivers with 9,000 gals X/L gelled and 18,000# 20/40 mesh sand and 600 SCF N2/BBL. Swabbed 5% oil out

12-Dec-84

Cammingia IP Test: 46 bopd and 524 bwpd.

05-Apr-92

Replaced plunger and polish rod.

20-Jul-92

Plunger stuck in working barrel.

03-Dec-92

Changed out plunger, working barrel and standing valve.

10-Dec-92

Bearing on 4' plunger.

11-Feb-93

Replaced plunger.

20-Mar-96

Plunger parted from pump.

27-Oct-97

Treated with soapy water. Replaced pump barrel.

15-Nov-00

Treated with soapy water. Replaced 1 rod and repace rods.

08-Aug-02

Test tubing. Pulled production equipment. Left 1 joint of 2 7/8" tubing in hole. Shut in well

Yates @ 2907'

7-Rivers @ 3128'

3175'-3188'

3240'-3243'

3339'-3343'

3368'-3379'

3397'-3401'

Queen @ 3470'

3470'-3479'

3503'-3509'

3533'-3536'

3544'-3548'

3560'-3564'

3575'-3577'

3672'-3679'

5 1/2" Csg

at 3750'

Surface Csg
Hole Size: 12 1/4"
CSG Size: 8 5/8"
Sxs @ 800'
Cmt: 500 ss C. C.
Circ: Yes

Production Casing
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3750 ft
Sxs Cmt: 750
TOC: Surf. by Circ

PBTD: 3750 ft
TD: 3750 ft

PREPARED BY:

Domingo Carrizales

UPDATED:

06-Mar-12

PROPOSED

PROCEDURE TO PLUG AND ABANDON
Langlie Jal Unit #103
Langlie Mattix (7-Rivers, & Queen) Field
Lea County, New Mexico
8/15/14

GENERAL WELL DATA

- 8-5/8" – 24# surface csg @ 813', cmt'd w/600 sx. TOC @ surf (circ'd)
- 5-1/2" – 14# prod. csg @ 3750', cmt'd w/1250 sx. TOC @ surf (circ'd)
- TD @ 3,750'
- PBTD @ 3,750'
- 7-Rivers perfs: 3,175'-3,401'
- Queen perfs: 3,470'-3,679'

OBJECTIVE: *Plug and Abandon Well.*

PROCEDURE

1. Hold Safety Meeting. High concentrations of H₂S may be present. MIRU plugging equipment.
2. Dig out cellar. Kill well if necessary and ND WH, remove any tubing joints, and NU BOP.
3. PU work string and RIH and set CIBP @ ~~3000'~~ **3100'**
4. Circulate well with mud. — **PRESSURE TEST CSG.**
3100
5. Spot 30 sxs of cement on top of CIBP (~~3000'~~ – 2730').
6. PU to 970' and spot 30 sxs of cement @ 970' - 700'.
7. POOH with work string. WOC. ✓
8. RIH with work string and tag TOC. Should be around 700'.
9. PU to 270' and spot 30 sxs of cement @ 270' - surface.
10. POOH with work string.
11. RDMO plugging equipment.
12. ND BOP.
13. Cut off well head and weld on dry hole marker.

PREPARED BY: Martin Staelens DATE: 8/15/14

APPROVED BY: Shawn Young DATE: 8/15/14