

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. 30-025-23865
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 13
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 INJECTOR ☒

2. Name of Operator
LEGACY RESERVES OPERATING LP

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

4. Well Location
Unit Letter F : 1980 feet from the NORTH line and 1980 feet from the WEST line
Section 31 Township 24S Range 37E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3243' GR

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

NOTICE OF INTENTION TO:		E-PERMITTING <SWD INJECTION>	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL ☐	CONVERSION ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMM ☐	RBDMS ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING ☐	TA ☐
DOWNHOLE COMMINGLE ☐		CSNG ☐	CHG LOC ☐
CLOSED-LOOP SYSTEM ☒		INT TO P&A ☒	P&A NR ☐
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 06/30/2015

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 7/2/2015

Conditions of Approval (if any):

JUL 07 2015

PROCEDURE TO PLUG AND ABANDON
Langlie Jal Unit #13
Langlie Mattix (7-Rivers, & Queen) Field
Lea County, New Mexico
6/19/15
AFE# 615031

GENERAL WELL DATA

- GL 3,243'
- 8-5/8" - 24# surface csg @ 820', cmt'd w/475 sxs. TOC @ surface
- 4-1/2" - 10.5# prod. csg @ 3600', cmt'd w/1222 sxs. TOC @ 1590' (temp survey) ✓
- TD @ 3600'
- PBTD @ 3200'
- 7-Rivers perfs: 3280'- 3468'
- Queen perfs: 3512'-3567'

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 to CIBP @ 3200'.
← RECORDS INDICATE PKR @ 3200'.
PULL PKR SET CIBP @ 3500'.
CAP W/ 35' CMT. THEN GO TO STEP #3
4. Circulate well with mud.
5. Set 350' cmt plug (2850'- 3200') on top of CIBP w/ 27 sxs.
6. POOH w/ work string.
7. MIRU WL. RIH w/ perf gun and perf @ 1400'. 1245'
8. RIH w/ WS and pkr. Sqz perf @ 1400' w/ 27 sxs cmt. Displace cmt to 1300'. WOC and tag. 1245'
9. POOH w/ WS.
10. MIRU WL. RIH w/ perf gun and perf @ 870'.
11. POOH w/ WL.
12. RIH w/ WS and pkr. Sqz perf @ 870' w/ 27 sxs cmt. Displace cmt to 770'. WOC and tag.
13. POOH w/ WS.
14. RIH w/WL. RIH w/ perf gun and perf @ 350'.

15. Sqz perf @ 350' w/ 105 sxs. Circulate cmt to surface.

16. RDMO plugging equipment.

17. ND BOP

18. Cut off wellhead and weld on marker.

PREPARED BY: _____ R Peña Jr. _____

DATE: __6-19-15__

APPROVED BY: _____

DATE: _____

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Lanquie Jct Unit

WELL NO.

13 W/W

STATUS:

Inj

Injector

C1

API#

30-025-23865

LOCATION:

1580 FNL & 1580 FWL Sec 31, T. 24 S. R. 37 E. Lea County New Mexico

SPUD DATE:

09/25/71 TD

3600

KB

D#

C1

INT. COMP DATE:

09/10/72 PBTD

3600

C1

GR

3243

ELECTRIC LOGS:

GEOLOGICAL DATA

CORES, CUTS, or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2563'

7-Rivers @ 3083'

Queen @ 3483'

CASING PROFILE

Surf Csg 8 5/8" - 24#, J-55, set @ 820' Cmt'd w/ 475 sxs - TOC - Circulated.

Prod Csg 4 1/2" 10.5# J-55, @ 3,600', Cmt'd with 1,222 sx Class C cmt. TOC @ 1590' by Temp Survey.

CURRENT PERFORATION DATA

CSG. PERFS:

29-Mar-72 Perf'd 7-Rivers/Queen 1/ 3280'-86', 3315'-22', 3343'-46', 3363'-67', 3449', 3468', 3512', 3520', 3530', 3543', & 3567', 27 feet, 1 JSPF.

OPEN HOLE:

TUBING DETAIL

28-Feb-12

ROD DETAIL

2 3/8" J-55 4.7# IPC EUE 8rd.

4 1/2" x 2 3/8" Arrow-Set PKR

WELL HISTORY SUMMARY

29-Mar-72 Perf'd 7-Rivers/Queen 1/ 3280'-86', 3315'-22', 3343'-46', 3363'-67', 3449', 3468', 3512', 3520', 3530', 3543', & 3567', 27 feet, 1 JSPF. Acidized with 500 gals MB acid

24-Jun-03 T&A Well.

23-Feb-12 PDDH with injection string and 4 1/2" PKR. Hydrotest tubing in hole - 2 bad joints. Found leak at top 4 1/2" slips. Welded new 4 1/2" stub. Test 4 1/2" casing to 550 psig - okay. RIH with 4 1/2" AD-1 PKR. Set PKR at 3,200'. Pressure annulus to 550 psig - failed. Hydrotest 2 3/8" IPC tubing - found collar leak 17' stand from surface. Set Arrow set PKR at 3,200 psig. Test annulus to 520 psig - MIT passed.

RECORDS INDICATE ARROW SET PKR.

Surface Csg

Hole Size: 12 1/4"

Csg Size: 8 5/8"

Set @ 820'

Cmt 475 sx C/C

Circ YES Calc

Shoe @ 120'

TOC @ 1590'
By TS

Yates @ 2563'

7-Rivers @ 3083'

Queen @ 3483'

3280'-86'

3315'-22'

3343'-46'

3363'-67'

3449'

3468'

Queen @ 3483'

3512'

3520'

3530'

3543'

3567'

Production Casing

Hole Size: 7 7/8" in

Csg Size: 4 1/2" in

Set @: 3600 ft

Sxs Cmt: 1222

TOC @ 1590' by Temp Survey

Shoe @ 3,600'

PBTD: 3600 ft

TD: 3600 ft

CMT: 7 7/8" in

PREPARED BY:

Domingo Camzales

UPDATED:

09-Mar-12

Field: Langlie Mattix (7-Rivers & Queen)

Location:	
Footage:	1980 FNL & 1980 FWL
Section:	31, T - 24S, R - 37E
Block:	
Survey:	
County:	Lea
Lat:	
Long:	
Elevations:	
GR:	3243'
DF:	
KB:	
KB Calc:	
ck w/log?	

PROPOSED

Date	History
29-Mar-72	Perf'd 7-Rivers/Queen f/ 3280'-86', 3315'-22', 3343'-46', 3363'-67', 3449', 3468', 3512', 3520', 3530', 3543', & 3567'. 27 feet, 1 JSPF. Acidized with 500 gals MB acid.
24-Jun-03	T&A Well
23-Feb-12	POOH with injection string and 4 1/2" PKR. Hydrotest tubing in hole- 2 bad jts. Found leak at top 4 1/2" slips. Welded new 4 1/2" stub. Test 4 1/2" casing to 550 psig - okay. RIH with 4 1/2" AD-1 PKR. Set PKR at 3,200'. Pressure annulus to 550 psig - failed. Hydrotest 2 3/8" IPC tubing - found collar leak 17 stand from surface. Set Arrow set PKR at 3,200 psig. Test annulus to 520 psig. MIT passed.

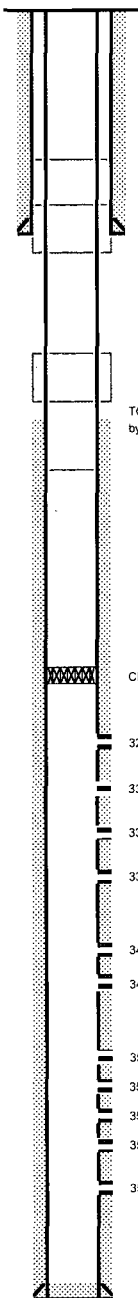
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth

Pumping Unit:
Updated: RG 7/25/2014

Langlie Jal Unit #13

Wellbore Diagram



TOC @ 285'
Calc'd @ 75%

Sqz perf @ 350' w/ 105 sxs.

Top of cmt plug in csg @ 770'
Shoe @ 820'

Sqz perf @ 870' w/ 27 sxs.

Top of cmt plug in csg @ 1300'
Sqz perf @ 1400' w/ 27 sxs.

TOC @ 1590'
by Temp. Survey

Yates @ 2970'

350' cmt plug from 2850'-3200' w/ 27 sxs

7-Rivers @ 3080'

CIBP @ 3200'

3280'-3286'

3315'-3322'

3343'-3346'

3363'-3367'

3449'

3468'

Queen @ 3483'

3512'

3520'

3530'

3543'

3567'

PBTD 3200'
TD 3600'

Reservoir:	Langlie Jal
Well ID Info:	13 WIV
API No:	30-025-23865
Spud Date:	9/25/197

Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 24#, J-55
Set @	820'
Cement w/	475 sxs
Circ:	Yes
TOC:	Surface

Hole Size:	7-7/8"
Prod. Csg:	4-1/2" - 10.5#, J-55
Set @	3600'
Cmt'd w/	1222 sxs Class C
Circ:	No
TOC:	1590' Calc'd by Temp. Survey