

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  
JAN 09 2015

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis  
Santa Fe, NM 87505

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-025-11480                                                                        |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br>LANGLIE JAL UNIT                                            |
| 8. Well Number 33                                                                                   |
| 9. OGRID Number<br>240974                                                                           |
| 10. Pool name or Wildcat<br>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 B : 330 feet from the NORTH line and 1650 feet from the EAST line  
Section 6 Township 25S Range 37E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3238' DF

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐  
CLOSED-LOOP SYSTEM ☒  
OTHER: ☐

E-PERMITTING

P&A NR

INT TO P&A P.M.

CSNG

TA

P&A R

COMP

CHG Loc

RBDMS CHART

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 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 01/07/2015

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 1/13/2015

Conditions of Approval (if any):

JAN 14 2015

**PROCEDURE TO PLUG AND ABANDON**  
**Langlie Jal Unit #33**  
**Langlie Mattix (7-Rivers, & Queen) Field**  
**Lea County, New Mexico**  
**12/17/14**  
**AFE# 615007**

**GENERAL WELL DATA**

- 9-5/8" - 36# surface csg @ 1191', cmt'd w/300 sxs. TOC @ surface by circ.
- 7" - 20# prod. csg @ 3,401', cmt'd w/250 sxs. TOC @ 1,878' by Calc
- 4-1/2" 10.5# prod liner from 3,209' to 3,577', cmt'd w/120 sxs.
- TD @ 3,577'
- PBSD @ 3,576'
- 7-Rivers perms: 3,097'-3,398'
- Queen perms: 3,415'-3,521'

**OBJECTIVE:** Plug and Abandon Well.

**PROCEDURE**

1. Hold Safety Meeting. High concentrations of H2S may be present. MIRU plugging equipment.
2. Kill well if necessary and ND WH and NU BOP.

3. Release pkr and POOH with injection tbg and pkr.

→ SET CIBP @ 3405'. CAP W/ 25 SXS CMT. WOC: TAG

4. PU work string and CIBP. RIH and set CIBP @ 3050'.

5. Circulate well with mud.

6. Spot <sup>50</sup>~~40~~ sxs of cement on top of CIBP, 3050' - <sup>2750</sup>~~2,800~~'.

7. POOH with work string.

8. MIRU WL. Pick up perf gun and perf 7" csg @ 1250'.

9. POOH wireline and RIH with tubing and packer.

10. Pump & squeeze 75 sxs of cement into perms at 1250' and flush to 950'.

11. POOH with work string and WOC.

12. Tag top of plug @ 950'.

13. Pick up perf gun and perf 7" csg @ 350'.

14. POOH wireline.

15. Pump & squeeze 100 sxs of cement down casing into perfs at 350' and circulate cement to surface. Cement should be on backside of 7" casing.
16. RDMO plugging equipment.
17. ND BOP.
18. Cut off well head and weld on marker.

APPROVED BY: Shawn Young DATE: 12/17/14

## WELLBORE SCHEMATIC AND HISTORY

| CURRENT COMPLETION SCHEMATIC                                                    |  | LEASE NAME<br><b>Langlie Jal Unit</b>                                                                                                                                                                                                                                                                                                                                                                                       |          | WELL NO<br><b>33 WIW</b> |
|---------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------|
|                                                                                 |  | STATUS: Inj                                                                                                                                                                                                                                                                                                                                                                                                                 | Injector | API# <b>30-025-11480</b> |
| LOCATION: 330 FNL & 1650 FEL, Sec 6, T - 25S, R - 37E, Lee County, New Mexico   |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| SPUD DATE: 01/20/40 TD 3577                                                     |  | KB 3,255' DF 3,238'                                                                                                                                                                                                                                                                                                                                                                                                         |          |                          |
| INT. COMP. DATE: 05/26/40 PBTD                                                  |  | 3576 GL 3,228' GR                                                                                                                                                                                                                                                                                                                                                                                                           |          |                          |
| ELECTRIC LOGS:                                                                  |  | GEOLOGICAL DATA                                                                                                                                                                                                                                                                                                                                                                                                             |          | CORES, DSTS or MUD LOGS: |
| HYDROCARBON BEARING ZONE DEPTH TOPS:                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| Yates @ 2775'                                                                   |  | 7-Rivers @ 2988'                                                                                                                                                                                                                                                                                                                                                                                                            |          | Queen @ 3405'            |
| CASING PROFILE                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| Surf Csg 9 5/8" - 36# K-55 set @ 1191' Cmt'd w/300 sxs - TOC - Circ'd.          |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| PROD. 7" 20# J-55 set @ 3,401'. Cemented with 250 sx Class C, TOC - 1878' @ 75% |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| Liner 4 1/2" 20# J-55 set @ TOL 3209', BOL 3577'. Cemented circ'd.              |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| CURRENT PERFORATION DATA                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| CSG. PERFS:                                                                     |  | OPEN HOLE :                                                                                                                                                                                                                                                                                                                                                                                                                 |          |                          |
| 24-Jan-40                                                                       |  | Completed in Queen & 7-Rivers (open hole) (3401'-3490'). Nitro treat with 200 Quarts.                                                                                                                                                                                                                                                                                                                                       |          |                          |
| 05-Dec-46                                                                       |  | Perf'd Yates from 2830'-50', 2885'-2905', 2950'-70', 3000'-3020', 3100'-30', 3195'-3300', 3 JSPF.                                                                                                                                                                                                                                                                                                                           |          |                          |
| 08-Nov-72                                                                       |  | Set CIRC @ 3,068'. Squeezed perfs (2830'-3055') with 200 sx Class C Pozmix.                                                                                                                                                                                                                                                                                                                                                 |          |                          |
| 04-Jun-75                                                                       |  | Drilled out bridge plug. Cleaned out to 3490'. Drilled 6 1/8" hole to new TD 3,577'. Run injection equipment.                                                                                                                                                                                                                                                                                                               |          |                          |
| 23-Jul-76                                                                       |  | Perf'd Q 7 7-R 1/3097', 3101', 3105' 3167', 3229' 3237', 3247' 3275', 3305' 3368', 3370', 3398', 3415', 3430', 3434', 3446', 3447', 3450', 3456', 3460', 3470', 3473', 3484', 3501', 3507', 3509', 3519' & 3521'. 2 JHPF.                                                                                                                                                                                                   |          |                          |
| TUBING DETAIL                                                                   |  | 11/11/2008                                                                                                                                                                                                                                                                                                                                                                                                                  |          | ROD DETAIL               |
| 2715 94                                                                         |  | 2 3/8 IPC Tubing                                                                                                                                                                                                                                                                                                                                                                                                            |          |                          |
| 4 1                                                                             |  | Uni-Pkr                                                                                                                                                                                                                                                                                                                                                                                                                     |          |                          |
| 2719                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          | 0                        |
| WELL HISTORY SUMMARY                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                             |          |                          |
| 24-Jan-40                                                                       |  | Completed in open hole (3401'-3490'). Nitro treat with 200 Quarts. Flowed 69 bo & 100 MCF 24 hrs. API Gravity = 39 degrees.                                                                                                                                                                                                                                                                                                 |          |                          |
| 05-Dec-46                                                                       |  | Set CIRC @ 3,390'. Perf'd Yates from 2830'-50', 2885'-2905', 2950'-70', 3000'-3020', 3100'-30', 3195'-3300', 3 JSPF. Acidized with 1,000 gals 15% NE HCL. Test: Flowing 300 mcfpd.                                                                                                                                                                                                                                          |          |                          |
| 08-Nov-72                                                                       |  | Set CIRC @ 3,068'. Squeezed perfs (2830'-3055') with 200 sx Class C Pozmix.                                                                                                                                                                                                                                                                                                                                                 |          |                          |
| 23-Dec-72                                                                       |  | Convert well to injection. Injection through perfs 3,100'-3130' & 3195'-3300'.                                                                                                                                                                                                                                                                                                                                              |          |                          |
| 04-Jun-75                                                                       |  | Drilled out bridge plug. Cleaned out to 3490'. Drilled 6 1/8" hole to new TD 3,577'. Run injection equipment.                                                                                                                                                                                                                                                                                                               |          |                          |
| 23-Jul-76                                                                       |  | Ran 4 1/2" liner from 3209'-3577'. Cmt'd w/ 200 sx Class C. Drilled out to 3576'. Squeezed TOL w/ 250 sx Class C. Perf'd Queen & 7-Rivers 1/3097', 3101', 3105' 3167', 3229' 3237', 3247' 3275', 3305' 3368', 3370', 3398', 3415', 3430', 3434', 3446', 3447', 3450', 3456', 3460', 3470', 3473', 3484', 3501', 3507', 3509', 3519' & 3521'. Acidized perfs (3097'-3521') with 5,000 gals. 15% NE HCL. Ran Injection Equip. |          |                          |

**Surface Csg**  
Hole Size: 11 1/4"  
CSG Size: 9 5/8"  
Set @ 1191'  
Cmt. 300 sx Cl C  
Circ: Yes.

**Production Casing**  
Hole Size: 6 3/4 in  
Csg. Size: 7 in  
Set @: 3401 ft  
Sxs Cmt: 250  
TOC - 1878' Calc'd @ 75%

Yates @ 2775'

PKR @ 2719'

7-R @ 2988'

3097' 3101'

3105' 3167'

3229' 3237'

3247' 3275'

3305' 3368'

3370' 3398'

Queen @ 3405'

3415' 3430'

3434' 3446'

3447' 3450'

3456' 3460'

3470' 3473'

3484' 3501'

3507' 3509'

3519' 3521'

TOL @ 3209'

Shoe @ 3401'

BOL @ 3577'

TD @ 3577'

PBTD: 3576 ft  
TD: 3577 ft

PREPARED BY:

Domingo Carizales

UPDATED:

19-Sep-11

## WELLBORE SCHEMATIC AND HISTORY

## PROPOSED

## CURRENT COMPLETION SCHEMATIC

LEASE NAME

Langlie Jal Unit

WELL NO.

33 WIW

STATUS

In

Injector

Oil

API#

30-025-11480

LOCATION:

330 FNL &amp; 1550 FEL, Sec 6, T - 25S, R - 37E, Lee County, New Mexico

SPUD DATE:

01/25/40

TD

3577

KB

3,255'

DF

3,238'

INT. COMP. DATE:

05/20/40

PBTD

3576

GL

3,228'

IGR

## ELECTRIC LOGS:

## GEOLOGICAL DATA

## CORES, DST'S, or MWD LOGS:

## HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2775'

7-Rivers @ 2988'

Queen @ 3405'

## CASING PROFILE

Surf Csg 9 5/8" - 36#, K-55 set @ 1191' Cm'd w/300 sxs - TOC - Circ'd.

PROD. 7" 20# J-55 set @ 3,401'. Cemented with 250 sx Class C. TOC - 1878' @ 75%

Liner 4 1/2" 20# J-55 set @ TOL 3209', BOL 3577'. Cemented circ'd.

## CURRENT PERFORATION DATA

CSG, PERFS:

OPEN HOLE:

24-Jan-40 Completed in Queen &amp; 7-Rivers (open hole) (3401'-3490'). Nitro treat with 200 Quarts.

05-Dec-46 Perf'd Yates from 2830'-50', 2885'-2905', 2950'-70', 3000'-3020', 3100'-30', 3195'-3300', 3 JSPF.

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04-Jun-75 Drilled out bridge plug. Cleaned out to 3490'. Drilled 6 1/8" hole to new TD 3,577'. Run injection equipment.

23-Jul-76 Perf'd Q 7 7-R 1/3097', 3101', 3105' 3167', 3229' 3237', 3247' 3275', 3305' 3368', 3370', 3398', 3415', 3430', 3434', 3446', 3447', 3450', 3456', 3460', 3470', 3473', 3484', 3501', 3507', 3509', 3519' &amp; 3521'. 2 JHPF.

## TUBING DETAIL

11/11/2008

## ROD DETAIL

|      |    |                  |
|------|----|------------------|
| 2715 | 94 | 2 3/8 IPC Tubing |
| 4    | 1  | Uni-Pkr          |
| 2719 |    |                  |

0

## WELL HISTORY SUMMARY

24-Jan-40 Completed in open hole (3401'-3490'). Nitro treat with 200 Quarts. Flowed 69 bo &amp; 100 MCF 24 hrs. API Gravity = 39 degrees.

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04-Jun-75 Drilled out bridge plug. Cleaned out to 3490'. Drilled 6 1/8" hole to new TD 3,577'. Run injection equipment.

23-Jul-76 Ran 4 1/2" liner from 3209'-3577'. Cmtd w/ 200 sx Class C. Drilled out to 3576'. Squeezed TOL w/ 250 sx Class C. Perf'd Queen &amp; 7-Rivers 1/3097', 3101', 3105' 3167', 3229' 3237', 3247' 3275', 3305' 3368', 3370', 3398', 3415', 3430', 3434', 3446', 3447', 3450', 3456', 3460', 3470', 3473', 3484', 3501', 3507', 3509', 3519' &amp; 3521'. Acidized perfs (3097'-3521') with 5,000 gals, 15% NE HCl. Ran Injection Equip.

## Surface Csg

Hole Size: 11 1/4"

CSG Size: 9 5/8"

Set @ 1191'

Cmt: 300 sy Cl C

Circ: Yes.

## Production Casing

Hole Size: 8 3/4 in

Csg. Size: 7 in

Set @ 3401 ft

Sxs Cmt: 250

TOC - 1878' Calc'd @ 75%

Perf @ 350'  
612 w/100 sxs  
150' to surfacePerf @ 1250'  
502 w/75 sxs  
1250' to 850'

Yates @ 2775'

40 sxs cement plug  
3050' to 2800'7-R @ 2988'  
SET CIRC @ 3050'

3097' 3101'

3105' 3167'

TOL @ 3209'

3229' 3237'

3247' 3275'

3305' 3368'

3370' 3398'

Queen @ 3405'

3415' 3430'

3434' 3446'

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3470' 3473'

3484' 3501'

3507' 3509'

3519' 3521'

BOL @ 3577'

TD @ 3577'

PBTD: 3576 ft

TD: 3577 ft

PREPARED BY:

Domingo Carrizales

[UPDATED:

19-Sep-11