

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

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.)		WELL API NO. 30-025-11293 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR <input checked="" type="checkbox"/> HOBSOCD		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP ✓ JAN 08 2015		6. State Oil & Gas Lease No. 309574
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702 RECEIVED		7. Lease Name or Unit Agreement Name LANGLIE JAL UNIT ✓
4. Well Location Unit Letter <u>H</u> : <u>2310</u> feet from the <u>NORTH</u> line and <u>330</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> ✓		8. Well Number <u>11</u> ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3243' GL		9. OGRID Number 240974
		10. Pool name or Wildcat LANGLIE MATTIX;7RVRS-Q-G

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

R: **P&A NR**
C: **INT TO P&A** **P&A R**
C: **CSNG** **COMP**
TA **CHG Loc**
RBDMS CHART
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 AND 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 01/06/2015

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 1/8/2015

Conditions of Approval (if any):

JAN 13 2015

PROCEDURE TO PLUG AND ABANDON
Langlie Jal Unit #11
Langlie Mattix (7-Rivers, & Queen) Field
Lea County, New Mexico
12/17/14
AFE# 615004

GENERAL WELL DATA

- 10-3/4" – 40# surface csg @ 400', cmt'd w/475 sxs. TOC @ surface by circ.
- 7" – 22# prod. csg @ 3,399', cmt'd w/300 sxs. TOC @ 1,429' by Calc
- 4-1/2" 10.5# prod liner from 3,296' to 3,631', cmt'd w/120 sxs.
- TD @ 3,631'
- PBTD @ 3,631'
- 7-Rivers perms: 3,330'-3,446'
- Queen perms: 3,458'-3,570'

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, remove any tubing joints, and NU BOP.
3. PU work string and RIH and tag CIBP @ 3240'. ✓
4. Circulate well with mud.
5. Spot 40 sxs of cement on top of CIBP, 3240' – 2,990'. ✓
6. POOH with work string.
7. MIRU WL. Pick up perf gun and perf 7" csg @ 1400'. ✓
8. POOH wireline and RIH with tubing and packer.
9. Pump & squeeze 75 sxs of cement into perms at 1400' and flush to 1130'.
10. POOH with work string and WOC.
11. Tag top of plug @ 1130'.
12. Pick up perf gun and perf 7" csg @ 450'.
13. POOH wireline.
14. Pump & squeeze 125 sxs of cement down casing into perms at 450' and circulate cement to surface. Cement should be on backside of 7" casing.

15. RDMO plugging equipment.

16. ND BOP.

17. 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

Langlie Jal Unit

WELL NO.

11 WIV

STATUS:

Inj

Injection T&A

Oil

API#

30-025-11293

LOCATION:

2310 FNL & 330 FEL, Sec 31, T - 24S, R - 37E, Lee County, New Mexico

SPUD DATE:

06/20/39 TD

3631

KB

DF

INT. COMP. DATE:

07/16/39 PBD

3631

GL

3,243'

GR

ELECTRIC LOGS:

GEOLOGICAL DATA

CORES, DST'S or MWD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2959'

7-Rivers @ 3185'

Queen @ 3495'

CASING PROFILE

Surf Csg

10 3/4" - 40#, H - 40 set @ 400' Cmt'd w/ 475 sxs - TOC - Circulated.

PROD.

7" 22# H-40 set @ 3,399'. Cemented with 300 sx Class C. TOC - 1429', Calc'd @ 75%.

Liner

4 1/2" 10.5# H-40 set TOL 3,296' BOL 3,631'. Cemented with 120 sx Class C.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE :

12-Jul-39

Nitro Shot Open Hole from 3,448' to 3,534' with 270 quarts. Flowed 720 bopd.

27-Jul-76

Perf'd 7-Rivers & Queen // 3330', 34', 56', 58', 78', 82', 85', 3415', 21', 24', 46', 58', 65', 77', 81', 89', 93', 99', 3503', 11', 30', 33', 36', 39', 56' & 3,570'.

TUBING DETAIL

2/25/2002

ROD DETAIL

3235

2 3/8" IPC Tubing

5

2 3/8" x 7" Uni-PKR

3240

WELL HISTORY SUMMARY

12-Jul-39

Nitro Shot Open Hole from 3,448' to 3,534' with 270 quarts. Flowing 720 bopd.

01-May-57

Apparently the well was acidized and frac'd. Evident was frac sand during a clean out workover.

03-Jun-65

Convert to artificial lift.

20-Apr-62

Acidized open hole w/ 5,000 gals 15% NEFE HCl acid diverted w/ 5,000# rock salt. Convert well to Injection. PKR @ 3,298'.

27-Jul-76

Drilled new 6 1/4" hole to 3,631'. Ran 4 1/2" liner from 3296'-3631'. Cemented with 120 sx Class C. Perf'd 7-Rivers & Queen // 3330', 34', 56', 58', 78', 82', 85', 3415', 21', 24', 46', 58', 65', 77', 81', 89', 93', 99', 3503', 11', 30', 33', 36', 39', 56' & 3570'. Acidized with 1,500 gals 15% diverted with 70 ball sealers. Re-Acidized with 2,000 gals 15% NEFE HCl. Diverted with 1,500# rock salt.

11-Feb-02

RIH with Guiberson Uni-PKR on 2 3/8" - 109 IPC. Set PKR @ 3,240'. Temporarily Abandoned. Expires 2/19/2007.

TOC @ 1429'
Calc'd @ 75%

Yates @ 2883'

7-R @ 3133'

CIBP @ 5240'

Surface Csg

Hole Size: 15 3/4"
CSG Size: 10 3/4"
Set @ 400'
Cmt: 475 sx Cl C
Circ: YES Calc

Shoe @ 400'

Production Casing

Hole Size: 8 3/4 in
Csg. Size: 7 in
Set @: 3399 ft
Sxs Cmt: 300
TOC :

Shoe @ 3,399'

Liner Casing

Hole Size: 6 1/4 in
Csg. Size: 4 1/2" in
TOL Set @: 3296 ft
BOL Set @: 3631'
Sxs Cmt: 120PBD: 3631 ft
TD: 3631 ft

OH ID: 6 1/4"

PREPARED BY:

Domingo Carrizales

UPDATED:

26-Aug-11

PROPOSED

CURRENT COMPLETION SCHEMATIC		PROPOSED		WELL NO. 11 WIW			
<div><div>Surface Csg</div><div>Hole Size: 15 3/4"</div><div>Csg Size: 10 3/4"</div><div>Set @ 400'</div><div>Cmt: 475 sx C/C</div><div>Circ: YES Calc</div></div> <div><div>Shoe @ 400'</div><div>Perf @ 450' & 125' to 1450' to surface</div><div>Perf @ 1400' & 125' to 1400' to 1120'</div></div> <div><div>40 sec cement plug</div><div>3240 to 3299</div></div> <div><div>Production Casing</div><div>Hole Size: 8 3/4 in</div><div>Csg. Size: 7 in</div><div>Set @: 3399 ft</div><div>Sec Cmt: 300</div><div>TOC:</div></div> <div><div>Liner Casing</div><div>Hole Size: 6 1/4 in</div><div>Csg. Size: 4 1/2 in</div><div>TOL Set @: 3296 ft</div><div>BOL Set @: 3631'</div><div>Sec Cmt: 120</div></div> <div><div>PBTD: 3631 ft</div><div>TD: 3631 ft</div></div> <div><div>OH ID: 6 1/4"</div></div>		LEASE NAME: Langlie Jal Unit		STATUS: Int		Injection T&A Oil	
		LOCATION: 2310 FNL & 330 FEL, Sec 31, T - 24S, R - 37E, Lee County, New Mexico		SPUD DATE: 06/20/39		3631 KB	
		INT. COMP. DATE: 07/16/39		PBTD 3631		GL 3.243' IGR	
		ELECTRIC LOGS:		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS:	
		HYDROCARBON BEARING ZONE DEPTH TOPS:		Yates @ 2959'		7-Rivers @ 3185'	
		Queen @ 3496'					
Casing Profile		Surf Csg 10 3/4" - 40#, H - 40 set @ 400' Cmt'd w/ 475 sxs - TOC - Circulated.		PROD. 7" 22# H-40 set @ 3,399' Cemented with 300 sx Class C. TOC - 1429', Calc'd @ 75%.			
		Liner 4 1/2" 10.5# H-40 set TOL 3,296' BOL 3,631'. Cemented with 120 sx Class C.					
CURRENT PERFORATION DATA		CSG. PERFS:		OPEN HOLE:			
		12-Jul-39 Nitro Shot Open Hole from 3,448' to 3,534' with 270 quarts. Flowed 720 bopd.					
		27-Jul-76 Perf'd 7-Rivers & Queen // 3330', 34', 56', 59', 78', 82', 85', 3415', 21', 24', 46', 58', 65', 77', 81', 89', 93', 99', 3503', 11', 30', 33', 38', 39', 56' & 3,570'.					
TUBING DETAIL		2/25/2002		ROD DETAIL			
		3235 2 3/8" IPC Tubing					
		5 2 3/8" x 7" Uni-PKR					
		3240					
WELL HISTORY SUMMARY		12-Jul-39 Nitro Shot Open Hole from 3,448' to 3,534' with 270 quarts. Flowing 720 bopd.					
		01-May-57 Apparently the well was acidized and frac'd. Evident was frac sand during a clean out workover.					
		03-Jun-65 Convert to artificial lift.					
		20-Apr-62 Acidized open hole w/ 5,000 gals 15% NEFE HCl acid diverted w/ 5,000# rock salt. Convert well to Injection. PKR @ 3,298'.					
		27-Jul-76 Drilled new 6 1/4" hole to 3,631'. Ran 4 1/2" liner from 3296'-3631'. Cemented with 120 sx Class C. Perf'd 7-Rivers & Queen // 3330', 34', 56', 59', 78', 82', 85', 3415', 21', 24', 46', 58', 65', 77', 81', 89', 93', 99', 3503', 11', 30', 33', 38', 39', 56' & 3,570'. Acidized with 1,500 gals 15% diverted with 70 ball sealers. Re-Acidized with 2,000 gals 15% NEFE HCl. Diverted with 1,500# rock salt.					
		11-Feb-02 R/H with Guiberson Uni-PKR on 2 3/8" - 109 IPC. Set PKR @ 3,240'. Temporarily Abandoned. Expires 2/19/2007.					
		TOC @ 1429'		Calc'd @ 75%			
		CIBP @ 3,240'					
		Shoe @ 3,299'					
		3330'					
		3334'					
		3356'					
		3359'					
		3378'					
		3382'					
		3385'					
		3415'					
		3421'					
		3424'					
		3446'					
		3458'					
		3465'					
		3477'					
		3481'					
		3489'					
		3493'					
		3499'					
		3503'					
		3511'					
		3530'					
		3533'					
		3536'					
		3539'					
		3556'					
		3570'					
PREPARED BY: Domingo Carrizales		UPDATED: 26-Aug-11					