

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. 30-025-28407
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name LANGLIE JAL UNIT
4. Well Location Unit Letter <u>M</u> : <u>140</u> feet from the <u>SOUTH</u> line and <u>247</u> feet from the <u>WEST</u> line Section <u>32</u> Township <u>24S</u> Range <u>37E</u> NMPM County <u>LEA</u>		8. Well Number <u>104</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3230' 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:		E-PERMITTING <SWD INJECTION>	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMI	CONVERSION <u> </u> RBDMS <u> </u>
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMI	RETURN TO <u> </u> TA <u> </u>
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASI	CSNG <u> </u> CHG LOC <u> </u>
DOWNHOLE COMMINGLE ☐			INT TO PA <u> </u> P&A NR <u> </u> P&A R <u> </u>
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 07/01/2015

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 7/13/2015

Conditions of Approval (if any):

JUL 13 2015

PROCEDURE TO PLUG AND ABANDON
Langlie Jal Unit #104
Langlie Mattix (7-Rivers, & Queen) Field
Lea County, New Mexico
6/19/15
AFE# 615028

GENERAL WELL DATA

- GL 3230'
- 8-5/8" – 24# surface csg @ 794' w/600 sxs. TOC @ surface
- 5-1/2" – 14# prod. csg @ 3750' w/1100 sxs. TOC @ 700'
- TD @ 3750'
- PBTd @ 3100'
- Perfs: 3172-3247, 3297-3408, 3471-3616,

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 @ 3100'.
4. Circulate well with mud.
5. Set 350' cmt plug (2750'-3100') w/ 41 sxs. — *PRESSURE TEST CSG.*
6. PU to 1400' and set 300' cmt plug (1100'-1400') w/ 35 sxs. WOC and tag.
7. PU to 844' and set 100' cmt plug (744'-844') w/ 12 sxs. WOC and tag.
8. POOH w/ WS.
9. RIH w/ WL and perf @ 350'.
10. POOH w/ WL and RIH w/ WS and pkr.
11. Sqz perf @ 350' w/ 90 sxs. Circulate cmt to surface.
12. RDMO plugging equipment.
13. ND BOP
14. 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	
Surface Csg Hole Size: 11" CSG Size: 8 5/8" Set @ 846' Cmt: 600 sx Cl C Circ: Yes TOC @ 700' By Temp Survey Yates @ 2960' CIBP @ 3100' 7-Rivers @ 3130' 3172'-3194' 3207'-3209' 3243'-3247' 3297'-3301' 3303'-3306' 3313'-3315' 3322'-3324' 3329'-3331' 3442'-3451' 3372'-3382' 3394'-3400' 3406'-3408' 3471'-3480' Queen @ 3485' 3494'-3496' 3512'-3516' 3541'-3544' 3557'-3560' 3573'-3580' 3590'-3594' 3598'-3600' 3614'-3616' 5 1/2" Csg at 3750' Production Casing Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3750 ft Six Cmt: 1100 TOC: @ 700' by TS. PBTD: 3621 ft TD: 3750 ft		Langlie Jal Unit	
		STATUS: Inj Producer Oil	
		LOCATION: 140 FSL & 247 FWL, Sec 32, T - 24 S, R - 37E, Lee County, New Mexico	
		SPUD DATE: 10/25/84 TD 3750 KB 3,241' DF	
		INT. COMP. DATE: 12/13/84 PBTD 3621 GL 3,230' GR	
ELECTRIC LOGS:			
GEOLOGICAL DATA			
CORES, DSTS or MUD LOGS:			
HYDROCARBON BEARING ZONE DEPTH TOPS:			
Yates @ 2908' 7-Rivers @ 3130' Queen @ 3472'			
CASING PROFILE			
Surf. Csg 8 5/8" - 24# K-55 set @ 794' Cmt'd w/600 sxs - Circulated.			
Prod. 5 1/2" 14# K-55 set @ 3,750'. Cemented with 1100 sx Class C. Top of Cement @ 700' by TS.			
CURRENT PERFORATION DATA			
CSG. PERFS:			
OPEN HOLE:			
18-Dec-84 Perf'd (Queen) from 3471'-80', 3494'-96', 3512'-16', 3541'-44', 3557'-60', 3573'-80', 3590'-94', 3598'-3600', & 3614'-16', 36 ft, 77 shots.			
18-Dec-84 Perf'd (Lower 7-Rivers) // 3297'-3301', 3303'-06', 3313'-15', 3322'-24', 3329'-31', 3442'-51', 3372'-82', 3394'-3400', & 3406'-3408', 40 ft, 83 shots.			
18-Dec-84 Perf'd (Upper 7-Rivers) from 3172'-3194', 3207'-3209', & 3243'-3247', 28 ft, 59 shots.			
TUBING DETAIL			
ROD DETAIL			
2 7/8 J-55 6.5# EUE Tubing 1 1/4" x 26' w/ 7/8" Pin			
2 7/8" x 7" TAC 1 1/4" x 1 1/2" x 16' Liner			
2 7/8 J-55 6.5# EUE Tubing 2", 2'- 1" pony steel rods			
2 7/8 J-55 6.5# EUE Tubing Sub 1" steel rods			
2 7/8 x Working Barrel 3/4" steel rods			
2 7/8" SN 1" steel rods			
2 7/8 J-55 6.5# Tubing Sub 3/4" steel pony rod			
2 7/8" Desander 2 1/2" x 2" x 3' Plunger			
2 7/8" 8rd EUE BPMA			
WELL HISTORY SUMMARY			
18-Dec-84 Perf'd (Queen) from 3471'-80', 3494'-96', 3512'-16', 3541'-44', 3557'-60', 3573'-80', 3590'-94', 3598'-3600', & 3614'-16', 36 ft, 77 shots.			
Acidized with 1,700 gals 7 1/2% NEFE HCl acid 120 BS. Frac'd Upper Queen w/ 25,000 gals XL gel & 50,000# 20/40 sand & 600 SCF N2 /BBI.			
Swabbed 8 HRS: Recovered 8 bo & 134 bw., FEL @ 700'.			
Perf'd (Lower 7-Rivers) // 3297'-3301', 3303'-06', 3313'-15', 3322'-24', 3329'-31', 3442'-51', 3372'-82', 3394'-3400', & 3406'-3408', 40 ft, 83 shots.			
Acidized with 1,850 gals 7 1/2% NEFE HCl acid. Frac'd Lower 7-Rivers w/ 25,000 gals XL gel & 50,000# 20/40 sand & 600 SCF N2 /BBI.			
Swabbed 9 HRS: Recovered 7 bo & 138 bw., FEL @ 1500'.			
Perf'd (Upper 7-Rivers) from 3172'-3194', 3207'-3209', & 3243'-3247', 28 ft, 59 shots.			
Acidized with 1,400 gals 7 1/2% NEFE HCl acid. Frac'd Upper 7-Rivers w/ 12,000 gals XL gel & 30,800# 20/40 sand & 600 SCF N2 /BBI.			
Flowed 11 HRS: Recovered 3 bo & 44 bw., Well dead.			
Cleaned out frac sand to 3545'. Possible casing collapsed. IP: 12/13/84 - 40 BOPD + 115 MCFGPD + 557 BWPD, GOR= 2875, API= 37.8.			
09-Jul-90 Replaced 9 tubing joints.			
15-Apr-91 Replaced entire rod string and 70 tubing joints.			
02-Jun-92 Installed all new centerlift equipment. Downsized pump.			
11-Nov-92 Working barrel split. Replaced 2 tubing joints. Well is on continuous treatment for corrosion.			
04-Jan-93 Replaced entire rod string.			
04-Jan-93 Cleaned out from 3586' to 3621'. Acidized with 8,000 gals Pentol 200. Run in sub pump.			
01-Jul-93 RIH with Sub Pump to 3,116'.			
10-Apr-95 Replaced top 31 tubing joints.			
19-Dec-97 Replaced motor on sub pump.			
04-Jun-02 Set RBP @ 3,100'. Left 1 tubing joint in wellhead. Temporarily abandoned. Expires 6/10/07.			
15-May-08 MIT Pressure casing to 500 psig for 30 minutes.			

LEASE: LJU WELL #104 API: 30-025-28407 FIELD: LANGLEIE MATTIX QUEEN LOCATION: 140' FSL 247' FWL S-32, T-24-S, R-37-E LEA COUNTY, NM Directions to Location :	RESERVIORS YTS 2908' 7 RVRS 3130' QN 3472'	PERFORATIONS TOP BTM 3172' 3616'		CASING			SPUD DATE: 10/25/1984
				SIZE WT GRD CSA	COMP DATE: 12/13/1984		
		8 5/8" 24# 794'	ELEVATIONS				
		5 1/2" 14# 3750'	KB: 3241				
		TUBING			GL: 3230		
			DF:				
			UPDATED: 4/7/2009				
			BY: MKK				

SURFACE CASING

SIZE: 8 5/8"
WT/GRD: 24#
CSA: 794'
SX: 600
CIRC: Y
TOC: SURF
HOLE SIZE: 12 1/4"

PRODUCTION CASING

SIZE: 5 1/2"
WT/GRD: 14#
CSA: 3750'
SX: 1100
CIRC: N
TOC: 700
HOLE SIZE: 7 7/8"

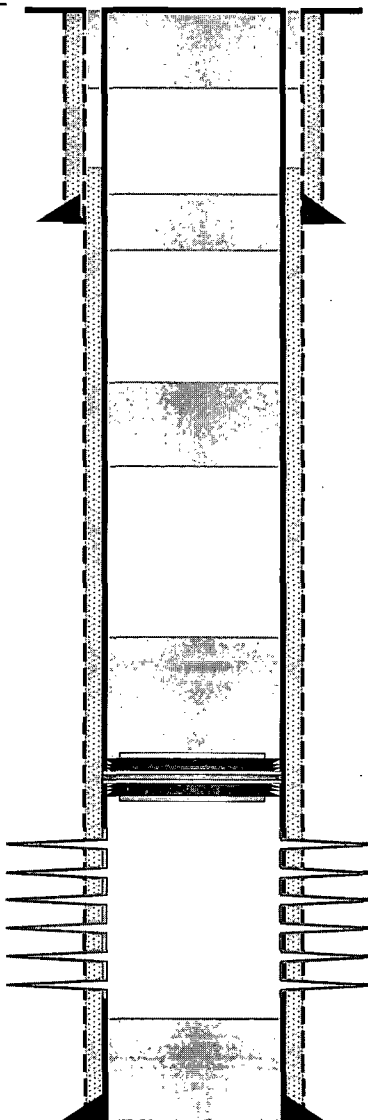
LINER

SIZE: _____
WT/GRD: _____
CSA: _____
SX: _____
CIRC: _____
TOC: _____
HOLE SIZE: _____

TUBING INSTALLATION

ROD INSTALLATION

PROPOSED



Sqz perf @ 350 w/ 80 sxs

700' TOP OF CEMENT 5 1/2" CSG

794' 8 5/8" 24# CSG
100' cmt plut, 744'-844' w/ 12 sxs

300' cmt plug, 1100'-1400' w/ 35 sxs

350' cmt plug, 2750'-3100' w/ 41 sxs

3100' CIBP

PERF: 3471'-3616'(ttl 70) 3297'-3408'(ttl 83) 3172'-3247'(ttl 59)(11/84)

A: 1700 gals 7 1/2% NeFe HCL.(11/84) F: 25,000 gals + 50,000# sand + 600 SCF N2/bbl.(11/84) A: 1850 gals 7 1/2% NeFe HCL.(11/84) F: 25,000 gals + 50,000# sand + 600 SCF N2/bbl.(11/84) A: 1400 gals 7 1/2% NeFe HCL.(11/84) F: 12,000 gals + 30,800# sand + 600 SCF N2/bbl (11/84) A: 8000 gals Pentol 200.(6/93)

3750' 5 1/2" 14# CSG

PBTD: 3621'
TD: 3750'