

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. 30-025-11303
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LANGLIE JAL UNIT
8. Well Number 12
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 ☐ **HOBBS OGD**

2. Name of Operator
LEGACY RESERVES OPERATING LP **JUL 02 2015**

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

4. Well Location
Unit Letter G : 2310 feet from the NORTH line and 1977 feet from the EAST line/
Section 31 Township 24S Range 37E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3236' GR

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 <SWD INJECTION>
CONVERSION RBDMS
RETURN TO TA
CSNG CHG LOC
INT TO P&A P&A NR P&A R
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---

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

fm

PROCEDURE TO PLUG AND ABANDON

Langlie Jal Unit #12

Langlie Mattix (7-Rivers, & Queen) Field

Lea County, New Mexico

6/19/15

AFE# 615032

GENERAL WELL DATA

- GL 3,236'
- 8-5/8" - 24# surface csg @ 177', cmt'd w/150 sxs. TOC @ surface
- 5-1/2" - 14# & 15.5# prod. csg @ 3470', cmt'd w/1173 sxs. TOC, stage 1 @ 2268' (calc @75%), stage 2 @ 173' (calc @ 75%)
- TD @ 3,545'
- PBTD @ 3,486'
- 7-Rivers perms: 3,131' - 3,451'
- Queen OH: 3,470' - 3,545'

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. **A** — SET CIBP 3575' CAP w/ 35' CMT BY W.L.
B PU work string and RIH w/ CIBP and set @ 3081'. **OR 25' x 5'.**
4. Circulate well with mud.
5. Set 350' cmt plug (2731' - 3081') on top of CIBP w/ 41 sxs.
6. PU to 1400' and set 300' cmt plug (1100' - 1400') w/ 35 sxs. WOC and tag.
7. POOH w/ work string.
8. MIRU WL. RIH w/ perf gun and perf @ ²²⁷150'.
9. POOH w/ WL.
10. Sqz perf @ ²²⁷150' w/ 35 sxs cmt. Circulate cmt to surface.
11. RDMO plugging equipment.
12. ND BOP
13. Cut off wellhead and weld on marker.

PREPARED BY: _____ R Peña Jr. _____

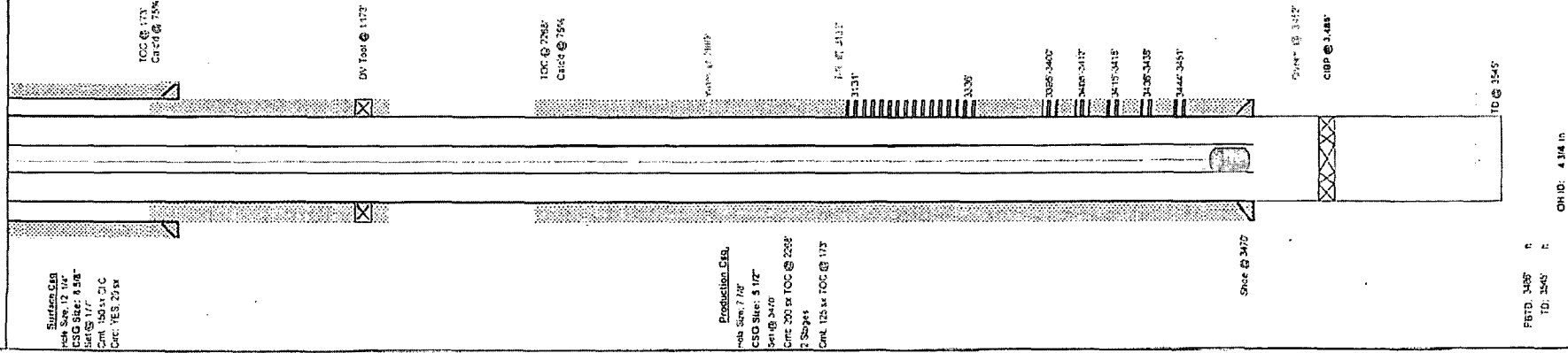
DATE: __6-19-15__

APPROVED BY: _____

DATE: _____

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



Surface Casing
 17 1/2" x 1 1/2"
 CSO Sdr: 5 1/2"
 Sdr: 10' x 17'
 Cmt: 150' x 210'
 Cmt: YES, 20' ex

Production Casing
 17 1/2" x 1 1/2"
 CSO Sdr: 5 1/2"
 Sdr: 10' x 17'
 Cmt: 200' ex TOC @ 222'
 2 SS944
 Cmt: 125' ex TOC @ 113'

FSD: 3488'
 TD: 3545'

OH ID: 4.94 in

LEASE NAME: **Langley Jail Unit**
 IN: **3155**
 PRODUCER: **3155**
 LOCATION: **197 FEL & 2310 ENL SRS 31, T. 24S R. 37E, 100 County, New Mexico**
 REFUG DATE: **09/05/97**
 INT COMP DATE: **09/05/97**

WELL NO: **12**
 API# **30-025-11303**
 AD: **3155**
 GR: **3155**

ELECTRICAL LOGS

Values @ 7959' 7-Rivers @ 3185'
 Values @ 3496'
 BURROUGHS BEARING ZONE DEPTH TOPS

CASING PROFILE

SURFACE: **8.58" - 24" w/ Texas Pallet Sdr sat @ 177' Cmt: w/ 150' x 150' - TOC - Circulated w/ 20' ex**
 PROD Csg: **5.12" 14 & 15.58 J-55 sat @ 3470' DV Tool 1173' Cemented with 200' ex Class C, Open DV 125' ex TOC - 1173' Liner**

CURRENT PERFORATION DATA

CSC, PERFS:
 1-Jun-57 Original TD: 3545', Treated with 100 gals Controller prior to Frac. Hydratec Open Hole from 3470 to 3545' with 20,000 gals
 16-Mar-74 Perf'd 7-Rivers and Queen @ 355-3407, 3408-12, 3416-15, 3438-38 & 3444-3451', 1 USPF, 25 holes.

TUBING DETAIL

24-Jun-54	24-Jun-94
3532 115 2 3/8" 4.05 J-55 tubing	18 1 1/4" x 22' polished rod w/ 718' Pin
4 1 2 7/8" x 7' TAC	0 1 1/4" x 1 1/2" x 8' polished rod liner
4 1 2 7/8" SN	18 6" 4" 4" - 718' phny rods
4 1 Perf Sub	3500 34" steel rods
32 1 2 3/8" Mud Anchor	12 2" x 1 1/4" x 12'
3576	3548

WELL HISTORY SUMMARY

1-Jun-57 Original TD: 3545', Treated with 100 gals Controller prior to Frac. Hydratec O.H. F 3470 to 3545' w 20,000 gals refined oil carrying 30,000# sand. Pumping: 60 bopd & 18 bwpd.
 16-Mar-74 Perf'd 7-Rivers and Queen @ 355-3407, 3408-12, 3416-15, 3438-38 & 3444-3451', 1 USPF, 25 holes. Acidized with 2,000 gals. Pumping: 30 bopd & 38 bwpd - 1 STM gas.
 15-Jun-81 Ran GR-CON-Q. Acid Sand fluid w/ 10,000 gals 15% HCl & 10,000 20/40 mesh sand. Prior test 20 bopd & 30 bwpd. After treatment test 50 bopd & 93 bwpd.
 09-May-94 RFI w/ bit, cemented out 3,485'. Drilled out to 3,617'. Ran GR-CON-Q from 3,485' to 3,785' Set CIBP @ 3,385'. Swabbed test from 3,385' to 3,231'. No water present. Drilled out CIBP and pushed to 3,485'.
 03-Oct-95 RU Wireline & set RBP @ 3,342'. Perf'd 7-Rivers f/ 3,131'-3,336'. Frac'd w/ 2,000 gals 15% HCl plus 22,168# 16/30 mesh sand. Pumped cmt to 3450'. Pressured to 1,524' psig. Test data ok. sand. United cmt to 3,460'. Acidized port 3,394'-3,493' w/ 4,000 gals 7 1/2% Fe-Ac. No test recorded.

Field: **Langlie Mattix (7-Rivers & Queen)**

Location:	
Footage:	1977 FEL & 2310 FNL
Section:	31, T - 24S, R - 37E
Block:	
Survey:	
County:	Lea
Lat:	
Long:	
Elevations:	
GL:	3236'
DF:	3250'
KB:	3250'
KB Calc:	
ck w/ log?	

PROPOSED

Langlie Jal Unit #12

Reservoir:	Langlie Jal
Well ID Info:	12
API No:	30-025-11303
Spud Date:	6/1/1957

Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 24# w/ Texan Pattern Shoe
Set @:	177'
Cement w/:	150 sxs
Circ:	Circ'd w/ 20 sxs
TOC:	Surface

Hole Size:	7-3/8"
Prod. Csg:	5-1/2" - 14# & 15.5# J-55
Set @:	3470'
Cmt'd w/:	200 sxs Class C
DV Tool @:	1173'
Open DV Cmt'd w/:	125 sxs
Stage 1 TOC:	2268' Calc'd @ 75%
Stage 2 TOC:	173' Calc'd @ 75%

Date	History
01-Jun-57	OTD - 3545'. Treated w/ 100 gals Controflow prior to Frac. Hydra frac O.H. from 3470' to 3545' w/ 20,000 gals refined oil carrying 39,000# sand. Pmp'g: 60 bopd & 18 pwpd.
16-Mar-74	Perfd 7-R and queen from: 3395'-3400', 3408'-12', 3416'-18', 3,436'-38' & 3,444'-3451', 1 JSPF, 25 holes. Acidized with 2,000 gals. Pmp'g: 30 bopd & 36 bwpd - TSTM gas.
15-Jul-81	Ran GR-CNL-CL Acid Sand frac'd w/ 10,000 gals 15% HCl & 10,000# 20/40 mesh sand. Prior test: 20 bopd & 30 bwpd. After treatment test: 50 bopd & 93 bwpd.
09-May-94	RIH w/ bit cleaned out f/ 3486'. Drilled out to 3547'. Ran GR/Corr logs from 3486' to 1785'. Set CIBP @ 3385'. Swabbed test from 3385' to 3281'. No test reported. Drilled out CIBP and push to 3486'.
3-Oct-95	RU Wireline & set RBP @ 3342'. Perfd 7-R from 3131'-3336'. Frac'd w/ 2000 gals 15% HCl plus 22,146# 16/30 mesh sand. Pumped cmt to 3450'. Pressured to 1524' psig. Test back side. Drilled cmt to 3460'. Acidized perfs 3394'-3463' w/ 4000 gals 7-1/2% FeA2x. No test reported.

Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
115	2-3/8 4.6# J-55 Tubing	3,532	3,532
1	2-7/8" x 7" TAC	4	3,536
1	2-7/8" SN	4	3,540
1	Perf Sub	4	3,544
1	2-3/8" Mud Anchor	32	3,576
			3,576

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth
1	1-1/4" x 22' polished rod w/ 7/8" pin	18	18
1	1-1/4" x 1-1/2" x 8' polished rod liner	0	18
4	6', 4', 4', 4' - 7/8" pony rods	18	36
140	3/4" steel rods	3,500	3,536
1	2" x 1-1/4" x 12'	12	3,548
			3,548

Pumping Unit:
Updated: RG 7/25/2014

Wellbore Diagram

