

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. 30-025-23868
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other INJECTOR <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No. 309574
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>H</u> : <u>1980</u> feet from the <u>NORTH</u> line and <u>510</u> feet from the <u>EAST</u> line Section <u>6</u> Township <u>25S</u> Range <u>37E</u> NMPM County <u>LEA</u>		8. Well Number <u>49</u> 9. OGRID Number <u>240974</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3229' GR		10. Pool name or Wildcat LANGLIE MATTIX;7RVRS-Q-G

HOBBS OCD  
 JUL 07 2015  
 RECEIVED

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/> OTHER: <input type="checkbox"/>		REM <input type="checkbox"/> COM <input type="checkbox"/> CAS <input type="checkbox"/> OTHER:
E-PERMITTING <SWD INJECTION> CONVERSION _____ RBDMS _____ RETURN TO _____ TA _____ CSNG _____ CHG LOC _____ INT TO P&A NR P&A NR _____ P&A R _____		

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: Maley Brown TITLE Dist Supervisor DATE 7/7/2015  
 Conditions of Approval (if any):

JUL 08 2015

AM

**PROCEDURE TO PLUG AND ABANDON**  
**Langlie Jal Unit #49**  
**Langlie Mattix (7-Rivers, & Queen) Field**  
**Lea County, New Mexico**  
**6/19/15**  
**AFE# 615030**

**GENERAL WELL DATA**

- GL 3229'
- 8-5/8" – 30# surface csg @ 824' w/475 sxs. TOC @ surface
- 4-1/2" – 9.5# or 10.5# prod. csg @ 3575' w/1200 sxs. TOC @ surface
- TD @ 3600'
- PBTD @ 3572'
- Queen Perfs: 3318'-3551'

**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 PBTD @ 3076'.
4. Circulate well with mud.
5. Set 350' cmt plug (2726'-3076') w/ 27 sxs.
6. PU to 1400' and set 300' cmt plug (1100'-1400') w/ <sup>25</sup>23 sxs. WOC and tag.
7. PU to 874' and set 100' cmt plug (774'-874') w/ <sup>25</sup>10 sxs. WOC and tag.
8. PU to 350' and set 350' cmt plug to surface w/ 27 sxs.
9. RDMO plugging equipment.
10. ND BOP
11. Cut off wellhead and weld on marker.

PREPARED BY: \_\_\_\_\_ R Peña Jr. \_\_\_\_\_

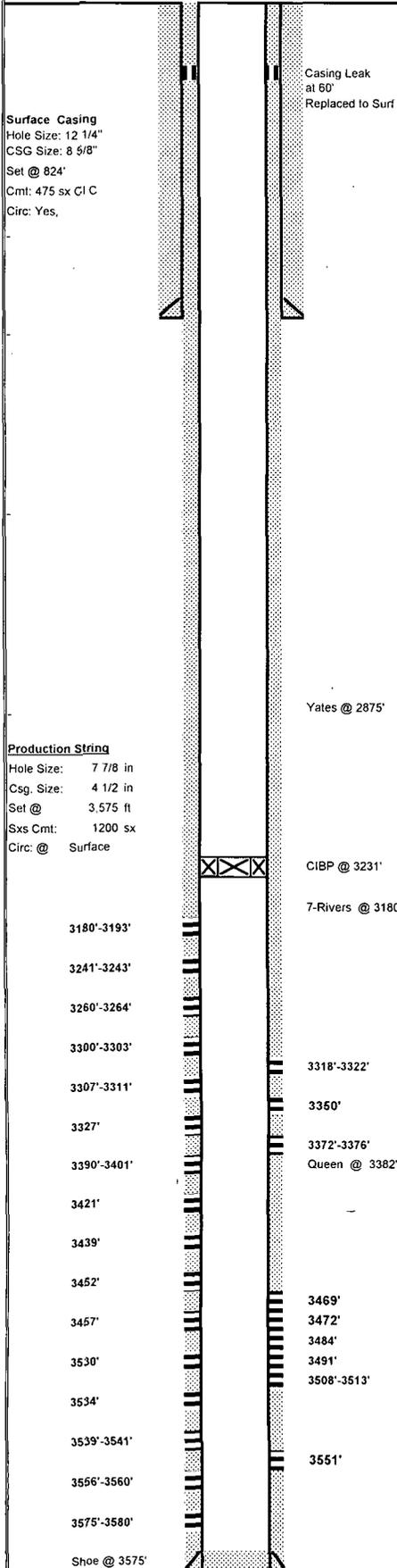
DATE: 6-19-15

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



**Surface Casing**  
 Hole Size: 12 1/4"  
 CSG Size: 8 5/8"  
 Set @ 824'  
 Cmt: 475 sx C/C  
 Circ: Yes,

**Production String**  
 Hole Size: 7 7/8 in  
 Csg. Size: 4 1/2 in  
 Set @ 3,575 ft  
 Sxs Cmt: 1200 sx  
 Circ: @ Surface

LEASE NAME	<b>Langlie Jal Unit</b>		WELL NO.	<b>49 WIW</b>
STATUS:	Inj	Injector	Oil	API# <b>30-025-23868</b>
LOCATION:	1980 FNL & 510 FEL, Sec 6, T - 35 S, R - 37 E, Lee County, New Mexico			
SPUD DATE:	10/02/71 TD	3600	KB	DF
INT. COMP. DATE:	04/04/72 PBTD	3572	GL	GR

<b>ELECTRIC LOGS:</b>	<b>GEOLOGICAL DATA</b>	<b>CORES, DST'S or MUD LOGS:</b>
Yates @ 2875'	7-Rivers @ 3190'	Queen @ 3382'
<b>HYDROCARBON BEARING ZONE DEPTH TOPS:</b>		

<b>CASING PROFILE</b>	
Surf. Csg	8 5/8" - 20 #, SP-40 & K -55 set @ 824' Cmt'd w/475 sxs - TOC - Surface.
Prod Csg	4 1/2 " 9.5# & 10.5# J-55 set @ 3575'. Cemented with 1200 sx Class C TOC @ surface.

<b>CURRENT PERFORATION DATA</b>	
CSG. PERFS:	OPEN HOLE :
04-Apr-72	Perf'd Queen/7-Rivers f/3318'-22', 3350', 3372'-76', 3469', 3472', 3484', 3491', 3508'-13', & 3551', 1 JHPF, 22 holes
02-Jun-87	Perf'd Queen/7-Rivers f/3180'-3193', 3241'-43', 3260'-64', 3300'-03', 3307'-3311', 3327', 3390'-3401', 3421', 3439', 3452', 3457', 3530', 3534', 3539'-41', 3556'-60' & 3575'-3580', 1 JHPF, 55', 71 holes.

<b>TUBING DETAIL</b>	7/10/2002	<b>ROD DETAIL</b>
3256	104	2 3/8 IPC Tubing
4	1	Uni-Pkr
3260		0

**WELL HISTORY SUMMARY**

04-Apr-72 Perf'd Queen/7-Rivers f/3318'-22', 3350', 3372'-76', 3469', 3472', 3484', 3491', 3508'-13', & 3551', 1 JHPF, 22 holes  
 Acidized perfs (Queen & L. 7-Rivers) w/ 500 gals 15% HCl. MB acid. Well on vacuum. RIH with 4 1/2" Guiberson Uni-PKR on 2 3/8" IPC tubing. Set Uni-Pkr @ 3,239'.

31-Dec-80 Cleaned out with Coiled Tubing Unit from 3,480' to PBTD at 3,575'.

02-Jun-87 Perf'd Queen/7-Rivers f/3180'-3193', 3241'-43', 3260'-64', 3300'-03', 3307'-3311', 3327', 3390'-3401', 3421', 3439', 3452', 3457', 3530', 3534', 3539'-41', 3556'-60' & 3575'-3580', 1 JHPF, 55', 71 holes. Acidized with 10,000 gals 7.5% HCl. Set PKR @ 3,139'.

18-May-90 Washed out soft fill to 3,575'.

19-Dec-92 Cleaned metal & iron sulfide to 3,500'.

26-Oct-93 Repaired PKR leak.

12-Jul-05 Set CIBP @ 3,096'. Spotted 20' cement plug from 3076'-3096'. PBTD 3076'. Located casing leak @ 60'. Cut and pulled casing from 85'. Repaired with over shot and new 4 1/2" casing. Pressure tested indicated small leak most likely @ lead seal over shot. Pressure test failed.

07-Dec-06 Pumped 40 sxs cement between 4 1/2" and 8 5/8" casing. Pressure tested, still showing small leak.

13-Mar-07 Pressure tested casing for TA status.

16-Apr-07 Notice of intent to plug sent to OCD.

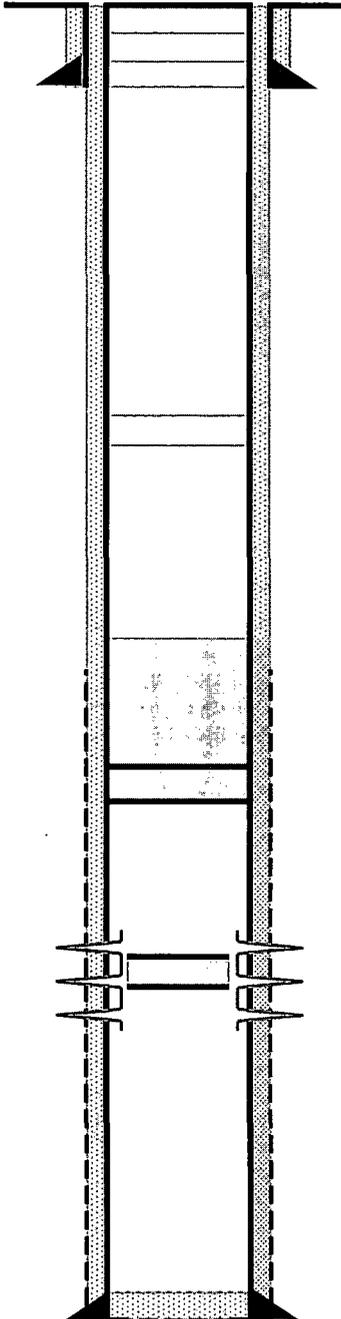
28-Mar-12 Hydrotest 4 1/2" AD-1 PKR on 2 3/8" tubing to 6,000# - test good. Tagged @ 3,000'. Set PKR @ 2,970' - test to 500# - okay. Test casing to 500# - found small leak @ 85'. POOH laying down work string.

<b>LEASE:</b> LJU	<b>RESERVOIRS</b>	<b>PERFORATIONS</b>	<b>CASING</b>				<b>SPUD DATE:</b> 10/2/1971
<b>WELL:</b> 49	ANHYDRITE	TOP BTM	SIZE	WT	GRD	CSA	<b>COMP DATE:</b> 4/4/1972
<b>API #:</b> 30-025-23868	SALT	see below	see below				<b>ELEVATIONS</b>
<b>FIELD:</b> Langlie Mattix	YATES						KB:
<b>LOCATION:</b>	SEVEN RIVERS		GL: 3229				
Sec 6 35S 37E	QUEEN		<b>TUBING</b>				<b>UPDATED:</b> 1/1/2009
LEA COUNTY, NM	TOP OF PAY		see below				BY: KAS
<b>Directions to Location :</b>							
1980 N, 510 E							

**SURFACE CASING**

**SIZE:** 8 5/8  
**WT/GRD:** 30#  
**WT/GRD:**  
**CSA/Depth** 824  
**SX:** 475 Class C 2% cacl  
**CIRC:** yes  
**TOC:**  
**HOLE SIZE:** 12 1/4

**PROPOSED**



350' cmt plug to surface, 0-350' w/ 27 sxs

50 sxs pumped down surface prod casing annulus  
 600 some gel material may be in lieu 85' to surface  
 lead shot at 85'  
 100' cmt plug, 774'-874' w/ 10 sxs

**INTERMEDIATE CASING**

**SIZE:**  
**WT/GRD:**  
**WT/GRD:**  
**CSA/Depth**  
**SX:**  
**CIRC:**  
**TOC:**  
**HOLE SIZE:**

300' cmt plug, 1100'-1400' w/ 23 sxs

**PRODUCTION CASING**

**SIZE:** 4 1/2  
**WT/GRD:** 9.5 or 10.5#  
**WT/GRD:**  
**CSA/Depth** 3575  
**SX:** 1200 sxs to surface, Class C with 16%  
**CIRC:** yes gel cement  
**TOC:**  
**HOLE SIZE:** 7 7/8

350' cmt plug, 2726'-3076' w/ 27 sxs

CIBP @ 3096' w/ 20' cmt cap

**TUBING INSTALLATION**

2 3/8  
 3270  
 3,270

Perfs: 22 1/2" holes; 3318-22,3350, 3372-76  
 CIBP @ 3396' w/ 20' cmt cap  
 3469, 3472, 3484, 3491, 3508-13, 3551

**ROD & PUMP INSTALLATION**

**PBTD:** 3572  
**TD:** 3600