

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>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3229' GR		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> CONVERSION _____ RBDMS _____ RETURN TO _____ TA _____ CSNG _____ CHG LOC _____ INT TO <u>P&A</u> P&A NR _____ P&A R _____ OTHER: _____
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"/>		

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

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/ ²⁵23 sxs. WOC and tag.
7. PU to 874' and set 100' cmt plug (774'-874') w/ ²⁵10 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		LEASE NAME Langlie Jal Unit		WELL NO. 49 WIW									
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Surface Casing Hole Size: 12 1/4" CSG Size: 8 5/8" Set @ 824' Cmt: 475 sx Cl C Circ: Yes,</p> </div> <div style="width: 45%;"> <p>Casing Leak at 60' Replaced to Surf</p> </div> </div>		STATUS: Inj Injector Oil		WELL NO. 49 WIW									
		LOCATION: 1980 FNL & 510 FEL, Sec 6, T - 35 S, R - 37 E, Lee County, New Mexico		API# 30-025-23868									
		SPUD DATE: 10/02/71 TD 3600 KB DF											
		INT. COMP. DATE: 04/04/72 PBTD 3572 GL GR											
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Production String Hole Size: 7 7/8 in Csg. Size: 4 1/2 in Set @ 3,575 ft Sxs Cmt: 1200 sx Circ: @ Surface</p> </div> <div style="width: 45%;"> <p>CIBP @ 3231' 7-Rivers @ 3180'</p> </div> </div>		ELECTRIC LOGS: GEOLOGICAL DATA CORES, DST'S or MUD LOGS:											
		HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 2875' 7-Rivers @ 3190' Queen @ 3382'											
		CASING PROFILE 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.											
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>TUBING DETAIL 7/10/2002</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>3256</td> <td>104</td> <td>2 3/8 IPC Tubing</td> </tr> <tr> <td>4</td> <td>1</td> <td>Uni-Pkr</td> </tr> <tr> <td>3260</td> <td></td> <td></td> </tr> </table> </div> <div style="width: 45%;"> <p>ROD DETAIL</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>0</td> </tr> </table> </div> </div>		3256	104	2 3/8 IPC Tubing	4	1	Uni-Pkr	3260			0	CURRENT PERFORATION DATA	
		3256	104	2 3/8 IPC Tubing									
		4	1	Uni-Pkr									
3260													
0													
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CSG. PERFS: 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.</p> </div> <div style="width: 45%;"> <p>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. Acidized with 10,000 gals 7.5% HCl. Set PKR @ 3,139'.</p> </div> </div>													
<p>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'. 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.</p>													
<p>3180'-3193' 3241'-3243' 3260'-3264' 3300'-3303' 3307'-3311' 3327' 3390'-3401' 3421' 3439' 3452' 3457' 3530' 3534' 3539'-3541' 3556'-3560' 3575'-3580' Shoe @ 3575'</p>													
<p>PBTD: 3572 ft TD: 3600 ft</p>		WELL HISTORY SUMMARY											
<p>Yates @ 2875'</p>		<p>3318'-3322' 3350' 3372'-3376' Queen @ 3382'</p>											
<p>3469' 3472' 3484' 3491' 3508'-3513' 3551'</p>		<p>PREPARED BY: Domingo Carrizales UPDATED: 10-Apr-12</p>											

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

INTERMEDIATE CASING

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

PRODUCTION CASING

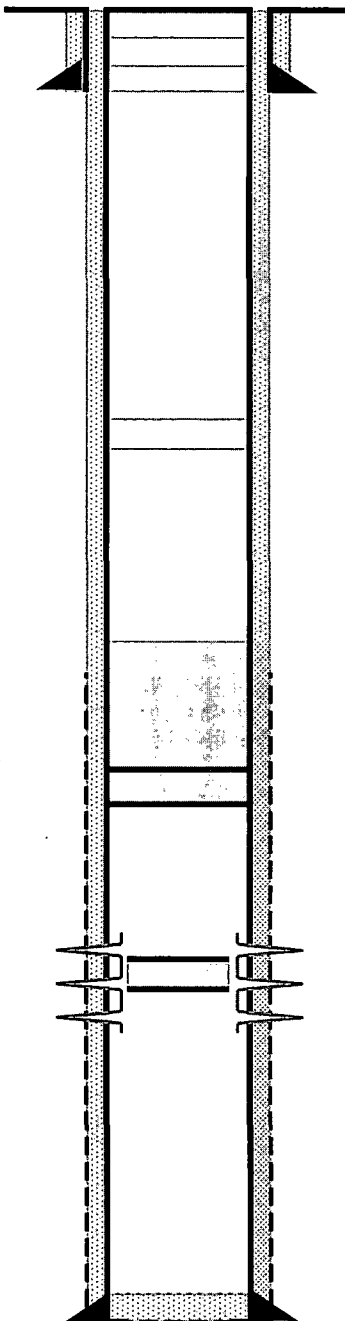
SIZE: 4 1/2
WT/GRD: 9.5 or 10.5#
WT/GRD:
CSA/Depth 3575
SX: 1200 sxs to surface, Class C with 16%
CIRC: yes gel cement
TOC:
HOLE SIZE: 7 7/8

TUBING INSTALLATION

2 3/8
 3270
 3,270

ROD & PUMP INSTALLATION

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

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

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

CIBP @ 3096' w/ 20' cmt cap

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

PBTD: 3572
TD: 3600