

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

HOBBS OCD

MAR 01 2012

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)</p>		<p>WELL API NO. 30-025-23868</p>
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> Injector <input type="checkbox"/></p>		<p>5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/></p>
<p>2. Name of Operator Resaca Operating Company</p>		<p>6. State Oil &amp; Gas Lease No. 309574</p>
<p>3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010</p>		<p>7. Lease Name or Unit Agreement Name Langlie Jal Unit</p>
<p>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 Lea County</p>		<p>8. Well Number <u>49W</u></p>
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3229' GR</p>		<p>9. OGRID Number 263848</p>
		<p>10. Pool name or Wildcat Langlie Mattix: 7Rivers-Queen-Grayburg</p>

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 ☐

OTHER: Locate casing leak & cement squeeze if necessary, Run MIT ☒

SUBSEQUENT REPORT OF:

Per Underground Injection Control Program Manual  
11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole.

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.

Objective: Locate casing leak & repair with cement squeeze if necessary. Run Mechanical Integrity Test.

- 1.) MIRU Pulling Unit & Above Ground Steel Pit
- 2.) Pressure Test casing to locate leak.
- 3.) Once leak is located, cement squeeze if necessary, w/ appropriate sacks of cement.
- 4.) Drill out cement & circulate well clean.
- 5.) Pressure Test casing to make sure casing repair was successful.
- 6.) Run Mechanical Integrity Test (Notify NMOCD- Hobbs 24 hrs. prior to test); Pull chart for NMOCD.
- 7.) RDMO Pulling Unit, clean location, clean & dispose of pit fluids. Place well on injection.

Conservation Division  
**MUST BE NOTIFIED 24 Hours**

**Prior to the beginning of operations**

Spud Date:

Rig Release Date:

**Condition of Approval: notify**

**OCD Hobbs office 24 hours**

**prior of running MIT Test & Chart**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Melanie Reyes TITLE Engineer Assistant DATE 2/27/2012

Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432) 580-8500

**For State Use Only**

APPROVED BY: [Signature] TITLE Staff MGR DATE 3-1-2012

Conditions of Approval (if any):

MAR 01 2012

# RANGER 40 PETROLEUM, LLC

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

## 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:**

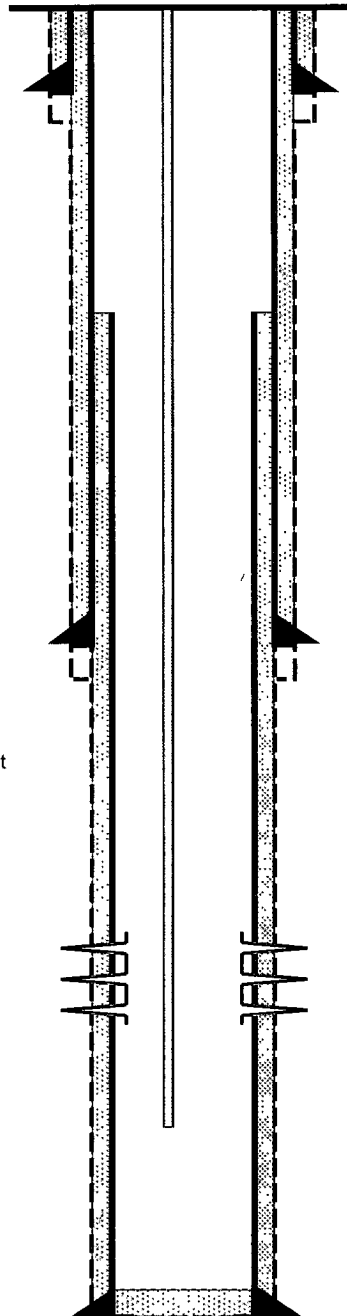
## PRODUCTION CASING

**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



50 sxs pumped down surface prod casing annulus  
600 some gel material may be in lieu 85' to surface  
lead shot at 85'

Perfs  
22 1/2" holes

3318-22  
3350  
3372-76  
3469  
3472  
3484  
3491  
3508-13  
3551

Acidized  
3275'-3551'  
500 gal mud acid

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

PBTD 3026  
CIBPC 3098

10/9/1971  
3710 clean out 12/92

2/28/2012

# LANGLIE JAL UNIT # 49 WELL HISTORY

8/30/2004 RUPU Unfienge well off, Work on PKR, Trs to Rel, Rel PKR POH 97 jts 2 3/8 tbg, 4 1/2 adi pkr close well

8/30/2004 RU lobo, tbg testers, hook up providence kill truck, pumping 30 bbls pkr fluid down on ass fluid started cornering out of ground  
POH LD 97 jts 4 1/2 PKR Fienge well with 1 -JT

7/22/2005 Drove to location, rigged up wireline open well, laid down ??? And 2 3/8 tbg set cast iron plug at 3396 with 20 foot cement on top,  
tallied tbg to 2630' came out with 100 jts in derrick shut down to let cement set flagged well with 25' Shut in well,

7/12/2005 Ran CIBP in 4 1/2 casing set at 3096  
Ran 3" dump bailor in 4 1/2 casing dumped 20' cement  
Cost 4 1/2 cast iron bridge plug  
Rental #20 setting tool  
Cost 2 sks cement

7/13/2005 unflanged well, no PSI, pulled 2 jt 2 3/8 packer in hole 46 or 96? Jts pressured up to test plug, and packer came out in sets of 5  
stanb or 76 jts in derrick testing through tubing wing for casing leak, started laying down tubing, tester, laid down rest of tubing  
26 jts found leak at close to surface, flanged well with 1 jt 2 3/8 shut well in

7/14/2005 unflanged well, ran 79 jts 2 3/8 from derrick in hole, laid down 77 jts on racks, dug around well to get to casing took Bradenhead off  
unflanged casing 4 1/2" rigged up wireline to free casing jts 2 attempts did not unscrew of right points laid down lit of 4 1/2 casing  
with 6' casing sub shut in well

7/15/2005 picked up oversto for 4 1/2" casing, with charge over 2 7/8 tbg sand ? 4' sub 2 7/8' 1-2 sub 2 7/8 on top wireline ???/// 2 jts 4 1/2" casing laid  
through casing laid 3 jts down closed well in shut down

7/18/2005 picked up 1 - 4 1/2 " drill collar with shoe and fishing tool changed over on bottom

7/19/2005 no psi 4? Drill collar and cross over sub and 7 1/2 shoe ??? Tools pick up 7 1/2 shoe and 4 1/2 crossover sub 2 jts of 2 7/8 tbg  
and power swivel wash over 1 feeot shoe, did not went down, poh 40 swivel and 2 jts of 2 7/8  
and tools go back in w 4 1/2 drill bit and 1 jts of drill collar 4 1/2 2 jts of 2 7/8 tbg brake  
drill bit, pick up another 7 1/2 drill bit crossover sub 1 x 4 1/2 drill collar 2 jts of 2 7/8 washover from surface to 73 feet l/d swivel 2.7 jts d collar  
The above all occurred between 7/14/2005 - 7/20/2005

7/20/2005 open well, ran in hole w 7" drill bit 1 x 4 1/2 drill collar 2 jts of 2 7/8 tbg pick up power swivel tag top of fish L/D swivel, POH, with 2 jts 2 7/8 drill  
drill collar cross over sub and drill bit go back in with 7' feet wash pip shoe crossover sob drill collar 1 jt of 2 7/8 tbg power swivel wash over  
20 feet from top of fish down 40 swivel, POH everything, go back in with LOG cutters 2 3 x 1/2 and NC Pull L/D the 3 jts go back with  
spear tool drill collar ???? 2 7/8 fish piece of csg POH with all tools and piece of csg go back in with 7 in mill shoe drill collar  
2jts 2 7/8 mull 1" in POH go back with lead over shot 3 jts csg fewer, shut down

**7/21/2005** R/U kill truck to test csg pressure op not held pressure RDMO

**2/8/2007** Rig up unit for 2 3/8 tubing- ran 3 jts of 2 3/8 tubing displace fluid in hole spot ploymer on bottom, pressure up 600# lbs Polymer  
held blend off pressure come out of hole with tubing spot 4 ft sub with collar on bottom, packer well off repressed well head 300#  
rig down

**2/7/2008** Spot right, tighten well head, wait on backhoe to fill in hole around well head, got hold filled in tubing for well  
got dropped off, rigged up