

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

**HOBBBS OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505  
DEC 09 2011

WELL API NO. 30-025-28963
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. 309574
7. Lease Name or Unit Agreement Name Langlie Jal Unit
8. Well Number 106
9. OGRID Number 263848
10. Pool name or Wildcat Langlie Mattix; 7 Rivers-Queen-Grayburg

**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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>
2. Name of Operator Resaca Operating Company
3. Address of Operator 1331 Lamar St., Ste. 1450 Houston, TX 77010
4. Well Location Unit Letter <u>A</u> : <u>1075</u> feet from the <u>North</u> line and <u>1100</u> feet from the <u>East</u> line Section <u>32</u> Township <u>24S</u> Range <u>37E</u> NMPM Lea County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3261' GL

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 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Clean Out and Frac ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1.) MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- 2.) Clean out w/ 4 3/4" Bit and drill collars on 2 7/8" work string to TD @ 3750'.
- 3.) RIH w/ 5 1/2" Pkr on 2 7/8" work string & set @ 3290'.
- 4.) Acidize 7 Rivers/Queen (3326-3717') w/ 5500 gals 15% NEFE HCl Acid, divert w/ 5000# rock salt.
- 5.) Clean out w/ 4 3/4" Bit to 3750'; RIH w/ 5 1/2" Frac Packer on 4 1/2" work string and set @ 2800'.
- 6.) RU Service Co., prep to fracture stimulate well down 4 1/2" work string; Sand Frac X/L 30# System (3326'-3717') w/ approx. 10,000 gals 30# system; plus 150,000# 16/30 Brady Brown Sand (50% Resin Coated Brady Brown Sand).
- 7.) RD Service Co. Install adjustable choke manifold w/ pressure gauge; flow back well on 12/64 choke initially & clean up well, monitoring pressure & sand production until pressure depletes.
- 8.) POOH w/ 4 1/2" work string & lay down Pkr; clean out frac sand down to PBTD @ 3750'.
- 9.) RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
- 10.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids. Put well on production.

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

TITLE

Engineer Assistant

DATE

12/8/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com

PHONE:

(432)580-8500

For State Use Only

APPROVED BY

TITLE

STAFF MGR

DATE

12-12-2011

Conditions of Approval (if any):

DEC 12 2011

## WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

Surface Csg  
Hole Size 11"  
CSG Size 8 5/8"  
Set @ 846'  
Cmt 600 sx C/C  
Circ Yes

Production Casing  
Hole Size 7 7/8 in  
Csg Size 5 1/2 in  
Set @ 3750 ft  
Sxs Cmt 1000  
TOC Surface

PBTD 3750 ft  
TD 3750 ft

LEASE NAME				Langlie Jal Unit				WELL NO		106	
STATUS		Inj		Producer		Oil		API#		30-025-28963	
LOCATION		1075 FNL & 1100 FEL, Sec 32, T - 24 S, R - 37E, Lee County, New Mexico									
SPUD DATE		12/03/84		TD		3750		KB		3,273'	
								DF		3,272'	
INT COMP. DATE		01/19/84		PBTD		3750		GL		3,261'	
								GR			

## ELECTRIC LOGS.

## GEOLOGICAL DATA

CORES, DST'S or MUD LOGS.

## HYDROCARBON BEARING ZONE DEPTH TOPS.

Yates @ 2960'      7-Rivers @ 3175'      Queen @ 3485'

## CASING PROFILE

Surf Csg 8 5/8" - 24#, K-55 set @ 846' Cmt'd w/600 sxs - Circulated  
Prod 5 1/2" 14# K-55 set @ 3,750'. Cemented with 1000 sx Class C Top of Cement @ Surface

## CURRENT PERFORATION DATA

CSG PERFS.      OPEN HOLE  
18-Dec-84 Perf'd (Queen) from 3561'-63', 73'-75', 3597'-3603', 23'-25', 38'-40', 69'-71', 84'-86', 3705'-07', & 3713'-17', 57 shots.  
27-Dec-84 Perf'd (Queen & 7-Rivers) from 3446'-50', 77'-86', 3499'-3509', & 23'-28', 60 shots  
29-Dec-84 Perf'd 7-Rivers f/ 3326'-28', 3370'-77', 3392'-3403' & 3411'-13' 2 spf

TUBING DETAIL		01-Jan-98	ROD DETAIL		01-Jan-98
2945	95	2 7/8 J-55 EUE Tubing	18	1	1 1/4" x 22' w/ 7/8" Pin
3	1	2 7/8" x 7" TAC	0	1	1 1/4" x 1 1/2" x 8' Liner
651	21	2 7/8 J-55 EUE Tubing	950	38	1" steel rods
18	1	2 7/8" Worker Barrel	1575	63	7/8" steel rods
4	1	2 7/8" Perf Sub	1075	43	1" steel rods
31	1	2 7/8" 8rd EUE BPMA	16	1	2 1/2" x 1 3/4" x 16' Pump
3652			3634		

## WELL HISTORY SUMMARY

18-Dec-84 Perf'd (Queen) from 3561'-63', 73'-75', 3597'-3603', 23'-25', 38'-40', 69'-71', 84'-86', 3705'-07', & 3713'-17', 57 shots Acidized with 18,000 gals NEFE HCl acid + 90 ball sealers, balled out. Frac'd Lower Queen w/ 21,760 gals XL-3 & 34,000# 20/40 sand & 600 SCF N2 /BBI Swabbed 14 bo & 56 bw in 4 hours.  
27-Dec-84 Perf'd (Queen & 7-Rivers) from 3446'-50', 77'-86', 3499'-3509', & 23'-28', 60 shots Acidized with 1,400 gals NEFE HCl acid + 95 ball sealers. Swabbed both zones 56 bo & 179 bw in 7 1/2 hours.  
29-Dec-84 Perf'd 7-Rivers f/ 3326'-28', 3370'-77', 3392'-3403' & 3411'-13' 2 spf Acidized w/ 1,500 gals 7 1/2% 105 ball sealers Swabbed dry, 0 Bo 5 bw Frac'd Lower Queen w/ 14,910 gals XL-3 & 14,700# 20/40 sand & 600 SCF/BBI Swabbed 44 bo & 132 bw in 10 hrs.  
24-Jan-85 IP: 131 BOPD + 93 MCFGPD + 359 BWPD.  
03-Sep-93 Cleaned out 108' of fill Relaced 1 tubing  
27-Jun-95 Acidized with 1,500 gals 7 1/2% HCl + 1000# rock salt Replaced pump and 3 joints of tubing No test reported  
03-Jul-96 Treated with soapy water  
29-May-97 Treated with 120 bbls soapy water  
25-Jun-97 Cleaned out 120' of fill  
16-Oct-97 Treated with 120 bbls soapy water Changed out rod design  
08-Jan-98 Hot well Replaced bad rod boxes

Yates @ 2960'

7-Rivers @ 3175'

3326'-3328'

3370'-3377'

3392'-3403'

3411'-3413'

3446'-3450'

Queen @ 3485'

3477'-3486'

3499'-3509'

3523'-3528'

3561'-3563'

3573'-3575'

3597'-3603'

3623'-3625'

3638'-3640'

3669'-3671'

3684'-3686'

3705'-3707'

3713'-3717'

5 1/2" Csg  
at 3750'

PREPARED BY:

Domingo Carnazales

UPDATED

28-Nov-11