

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CD. HOBBS
HOBBS OGD

FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Injector

2. Name of Operator

Resaca Operating Company

3a. Address

1331 Lamar St., Suite 1450

Houston, TX 77010

3b. Phone No. (include area code)

(432) 580-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter H, Sec 8, T-25S, R-37E, 1980' FNL & 660' FEL

5. Lease Serial No

LC0325112

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No

Langlie Jal Unit- NM 70970A

8. Well Name and No

Langlie Jal Unit #77

9. APL Well No

30-025-11498

10. Field and Pool or Exploratory Area

Langlie Mattix ; 7Rivers-Queen-Grayburg

11. Country or Parish, State

Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Found Casing Leak & MIT Failure</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Objective: This injector is completed in the Langlie Mattix Pool (Perfs 3272'- 3636'). Our intention was to run MIT and locate casing leak.

- 1.) MIRU Pulling Unit; NDWH & unset Pkr; NU BOP; Tested tbg in hole to 5000 psi, tested good. 4/18/12
- 2.) ND BOP, circulated packer fluid, packer would not set due to scale. 4/18/12
- 3.) NU BOP; POOH w/ tubing & laid down packer; RIH w/ 3 7/8" Bit on 2 3/8" work string. 4/19/12
- 4.) RIH w/ 3 7/8" Bit on 2 3/8" tubing, tagged @ 3530'; PU Swivel & cleaned out to TD @ 3647'; Pulled & LD tubing. 4/20/12
- 5.) RIH w/ 4 1/2" LD Shear Pkr; ND BOP; circ'd well w/ 46 bbls packer fluid, set packer @ 3181'. 4/21/12
- 6.) Pressure tested annulus to 420 psi, wouldn't test; Pulled packer to 3150', pressure tested to 450 psi, wouldn't test. 4/21/12
- 7.) POOH w/ tubing & laid down packer. 4/21/12
- 8.) RIH w/ 4 1/2" Plug, tested tbg. to 6000 psi, tested good; set @ 3142'. POOH w/ tbg; RIH w/ 4 1/2" pkr & set @ 3110' 4/23/12
- 9.) Tested tools to 420 psi, tested good; Unset Packer, circulated well clean, tested csg to 430 psi, lost 80 psi in 10 min. 4/23/12
- 10.) RIH w/ 4 1/2" AD-1 Packer, tried to set Pkr @ 2500', 3119' & 3090', wouldn't set; POOH w/ tbg & LD Pkr. 4/24/12
- 11.) RIH w/ retrieving tool, unset plug, pulled & laid down 70 jts. 4/24/12
- 12.) POOH w/ tubing & LD packer; RIH w/ tubing, ND BOP, NUWH; RDMO Puling Unit 4/25/12

accept for record w/ attached
O.A.O. 07/12/2012 PRJ

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Melanie Reyes

Title Engineer Assistant

Signature

[Signature]

Date 05/11/2012

ACCEPTED FOR RECORD

AUG 22 2012

/s/ JD Whitlock Jr

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

AUG 27 2012

Order of the Authorized Officer

Resaca Operating Company

Langlie Jal Unit - 77

API 3002511498

July 12, 2012

This well's recorded activity has been inactive/shut-in for more than 30 days without authorization and failed a mechanical integrity test on 04/21/2012.

On or before August 12, 2012: Submit to BLM; on Form 3160-5, for approval, one of the following:

A) Notice of Intent procedure to repair the casing so that a TA approval or return to beneficial use can be granted.

B) Notice of Intent procedure to plug and abandon the well.

References: 43 CFR 3162.1(a), 43 CFR 3162.3-2, 43 CFR 3162.3-4, 43 CFR 3162.4-1, Onshore Oil and Gas Order #1.X., & Onshore Oil and Gas Order #2.III.G.

Access information for use of Form 3160-5 "Sundry Notices and Reports on Wells"

NM Fed Regs & Forms - http://www.blm.gov/nm/st/en/prog/energy/oil_and_gas.html

§ 43 CFR 3162.3-2 Subsequent Well Operations.

§ 43 CFR 3160.0-9 (c)(1) Information collection.

§ 3162.4-1 (c) Well records and reports.

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		Langlie Jal Unit		WELL NO 77 WIW	
STATUS Inj Injection Oil LOCATION 1980 FNL & 680 FEL, Sec 8, T - 25 S, R - 37E, Lee County, New Mexico SPUD DATE 10/28/37 TD 3747 KB 3,182' DF 3,181' INT COMP DATE 11/28/37 PBTD 3645 GL 3,172' GR		GEOLOGICAL DATA CORES, DST'S or MUD LOGS			
ELECTRIC LOGS Yates @ 2860' 7-Rivers @ 3300' Queen @ 3468'		HYDROCARBON BEARING ZONE DEPTH TOPS			
CASING PROFILE					
Surf Csg 9 5/8" - 36#, J-55 set @ 1191' Cmt'd w/500 sxs - Circulated Prod 7" 14# J-55 set @ 3,265' Cemented with 350 sx Class C Top of Cement @ 1,000' by Calc @ 80% Liner 4 1/2" 10 5# H-40 TOL @ 3,120' BOL @ 3,645' Cemented with 100 sx Class C Top of Cement @ 3,200' Est					
CURRENT PERFORATION DATA					
CSG PERFS 21-Nov-37 Nitro shot Open Hole (3,445'-3,479') with 75 Quarts IP: Prior Flwg 96 BOPD & 1.0 MMCFP; After Flowing 216 BOPD & 1.1 MMCFD. 01-Aug-75 Perf'd 4 1/2" Lnr (Q & 7-R) fl 3,317', 19', 35', 37', 60', 71', 73', 3403', 05', 31', 35', 39', 43', 45', 51', 55', 59', 63', 67', 71', 87', 91', 95', 3501', 05', 09', 33', 39', 50'-56', 62'-70', 3604'-3618', & 3620'-3636' Acidized with 6,500 gals 7 1/2% HCl No test reported 01-Feb-96		OPEN HOLE			
TUBING DETAIL 01-Jun-06		ROD DETAIL			
3150 100 2 3/8 J-55 EUE IPC Tubing 3 1 PKR 3153					
WELL HISTORY SUMMARY					
21-Nov-37 Nitro shot Open Hole (3,445'-3,479') with 75 Quarts IP: Prior Flwg 96 BOPD & 1.0 MMCFP; After Flowing 216 BOPD & 1.1 MMCFD. 28-Nov-71 Pulled production string and ran injection equipment 01-Aug-75 Drilled new 6 1/4" hole to new TD 3,647'. Ran 4 1/2" liner fl 3,120'-3,645'. Cemented w/ 100 sx Class C Perf'd 4 1/2" Lnr (Qn & 7-R) fl 3,317', 19', 35', 37', 60', 71', 73', 3403', 05', 31', 35', 39', 43', 45', 51', 55', 59', 63', 67', 71', 87', 91', 95', 3501', 05', 09', 33', 39', 50'-56', 62'-70', 3604'-3618', & 3620'-3636' Acidized with 6,500 gals 7 1/2% HCl No test reported 01-Nov-77 2 JHPF Acidized with 3,500 gals 15% NEFE acid Acidized with 5,000 gals 28% NEFE acid + 5,000 H2O + gals D-4 concentrated oil stripper 1,400# rock salt IP: 420 bwpd @ 740 psig. 01-Feb-96 Clean out to 3,645'. Perf'd Queen/7-Rivers from 3272'-76', 3279'-84', 3326'-40', 3352'-60', 3366'-74', 3390'-3406', 3418'-22', 74'-82', 3518'-23', 30'-34', 42'-50'-56', 62'-70', 3604'-3618', & 3620'-3636' Acidized with 6,500 gals 7 1/2% HCl No test reported 08-Jul-03 Squeezed 4 1/2" liner with 50 sx cement 15-Jul-05 Squeezed 4 1/2" liner with 100 sx cement					

Surface Csg
 Hole Size 12 1/4"
 CSG Size 9 5/8"
 Set @ 1191'
 Cmt 500 sx Cl C
 Circ Yes

Production Casing
 Hole Size 8 7/8 in
 Csg Size 7 in
 Set @ 3265 ft
 Sxs Cmt 350
 TOC 1000' by Calc

Liner
 Hole Size 6 1/4" in
 Csg Size 4 1/2 in
 TOL @ 3,120 ft
 BOL @ 3645 ft
 Sxs Cmt 100
 TOC 3,200' Est

9 5/8" Csg at 1191'

TOC @ 1380'
Calc @ 80%

Yates @ 2860'

TOL @ 3,120'

7" Csg @ 3265'

7-Rivers @ 3300'
3317' 3319' 3335'

3337' 3360' 3371'

3373' 3403' 3405'

3431' 3435' 3439

3443' 3447' 3451'

3455' 3559' 3463'
Queen @ 3468'

3467' 3471' 3487'

3491' 3495' 3501'

3505' 3509' 3533'

3539' 3552'

3554' 3591'

BOL @ 3645'

3272'-3276'

3279'-3284'

3326'-3340'

3352'-3360'

3366'-3374'

3390'-3406'

3418'-3422'

3474'-3482'

3518'-3523'

3530'-3534'

3542'-3544'

3550'-3556'

3562'-3570'

3604'-3618'

3620'-3636'

PBTD 3645 ft
TD 3747 ft

PREPARED BY

Domingo Camzales

UPDATED

29-Feb-12