

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 87411  
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 August 1, 2011

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

WELL API NO. 30-025-11461
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> <b>FED</b> <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 309574
7. Lease Name or Unit Agreement Name Langlie Jal Unit
8. Well Number 45W
9. OGRID-Number 263848
10. Pool name or Wildcat Langlie Mattix: 7Rivers-Queen-Grayburg
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3243' GL

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 type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Injector <input type="checkbox"/>
2. Name of Operator Resaca Operating Company
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010
4. Well Location Unit Letter <u>H</u> : <u>1650</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>5</u> Township <u>25S</u> Range <u>37E</u> NMPM - Lea County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3243' 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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

OTHER: Repaired Tubing Leak & Ran MIT ☒

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.

- 1.) MIRU Pulling Unit, bled well down to vacuum truck. 4/30/12
- 2.) NDWH, NU BOP, released packer; POOH w/ tubing & packer. 5/1/12
- 3.) RU tubing tester & RIH w/ tubing; Found 1 hole #12 from surface, 5 crimped joints; Replaced bad joints. 5/1/12
- 4.) ND BOP, circulated Packer fluid & set 4 1/2" AD-1 Packer @ 3344' (Top Perf @ 3431'); NUWH. 5/1/12
- 5.) Tested casing to 520 psi, test okay. 5/1/12
- 6.) RDMO Pulling Unit; Ran Post Workover Mechanical Integrity Test; Pulled chart for NMOCD. 5/2/12  
(Test witnessed & signed by NMOCD Representative Mark Whitaker)

Spud Date:

4/30/12

Rig Release Date:

5/2/12

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 5/11/2012

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 NGR DATE 5-16-2012

Conditions of Approval (if any):

MAY 16 2012

## WELLBORE SCHEMATIC AND HISTORY

## CURRENT COMPLETION SCHEMATIC

## LEASE NAME

Langlie Jal Unit

## WELL NO

45 WIW

## STATUS

Inj

Injector

Oil

## API#

30-025-11461

## LOCATION

1650 FNL &amp; 330 FEL, Sec 5, T - 24S, R - 37E, Lee County, New Mexico

## SPUD DATE

01/25/39 TD

3695

KB

DF

3,251'

## INT COMP DATE

02/24/39 PBDT

3695

GL

3,243'

GR

## ELECTRIC LOGS

## GEOLOGICAL DATA

## CORES, DST'S or MUD LOGS

## HYDROCARBON BEARING ZONE DEPTH TOPS

Yates @ 2775'

7-Rivers @ 2988'

Queen @ 3405'

## CASING PROFILE

Surf Csg 13 3/8" - 40#, K -55 set @ 171' Cmt'd w/100 sxs - TOC - Surface

Inter Csg 9 5/8" - 29 3#, K -55 set @ 1264' Cmt'd w/300 sxs - TOC - @

PROD 7" 24# J-55 set @ 3,302' Cemented with 300 sx Class C TOC - @

Liner 4 1/2" 10 5# J-55 set @ TOL 3228' - BOL 3695' Cemented with 150 sx Class C TOC - No

## CURRENT PERFORATION DATA

## CSG PERFS

## OPEN HOLE

02-Mar-39 Nitro Shot open hole (3402'-3548') with 270 Quarts. Flowed 216 bopd &amp; 54 mcfpd. API = 38 degrees. FTP = 850#.

12-Aug-75 Drilled new 6 1/8" hole to 3,695'. Logged Well. Ran 4 1/2" liner from 3228'-3695'.

28-Aug-75 Perf'd Queen &amp; 7-Rivers f/3431, 35', 39', 43', 47', 51', 73', 77', 81', 85', 89', 93', 97', 3501, 05', 09', 13', 17', 21', 25', 29', 33', 37', 41', 45', 62', 66', 70', 74', 83', 87', 91', 95', 3615', 19', 28', 34', 41', &amp; 3645', 39 holes

## TUBING DETAIL

11/11/2008

## ROD DETAIL

3238 104 2 3/8 IPC Tubing

4 1 Uni-Pkr

3242

0

## WELL HISTORY SUMMARY

02-Mar-39 Nitro Shot open hole (3402'-3548') with 270 Quarts. Flowed 216 bopd &amp; 54 mcfpd. API = 38 degrees. FTP = 850#.

18-Apr-72 RIH with 7" x 2 3/8" Uni-Pkr on 2 3/8" tubing Set PKR at 3,315'. Convert to Injection.

12-Aug-75 POOH with slotted Liner. Cleaned out to original TD 3,548" Drilled new 6 1/8" hole to 3,695'. Logged Well. Ran 4 1/2" liner from 3228'-3695'. Cemented w/ 150 sx Class C Cmt TOL with 75 sx Class C Drilled out cement to PBDT @ 3,695'

28-Aug-75 Perf'd Queen &amp; 7-R f/3431, 35', 39', 43', 47', 51', 73', 77', 81', 85', 89', 93', 97', 3501, 05', 09', 13', 17', 21', 25', 29', 33', 37', 41', 45', 62', 66', 70', 74', 83', 87', 91', 95', 3615', 19', 28', 34', 41', &amp; 3645', 39 holes Acidized w/ 3,500 gals 15% NE acid RIH w/ Inj string Set PKR @ 3,248'.

16-Mar-78 Acidized perfs (3431'-3645') with 2,500 gals 5% HCl. Acidized perfs (3431'-3645') with 5,000 gals 20% HCl acid and 3 1/2% HFA, over flush with 5,000 gals injection water RIH with injection PKR, set at 3242'. Injecting 300 bwpd @ 660#

01-Sep-85 Acidized with 3,750 gals 7 1/2% HCl and 25% Xylene

19-Dec-92 RIH with 1 75 down Blast Nozzle. Cleaned out to 3220' to 3695'. Recovered iron sulfide

19-Jan-11 Tagged fill 3,505', cleaned out 3,634'

Yates @ 2775'

7-R @ 2988'

TOL @ 3228'

PKR @ 3242'

Queen @ 3400'

3431' 3435'

3439' 3443'

3447' 3451'

3473' 3477'

3481' 3485'

3489' 3493'

3497' 3501'

3505' 3509'

3513' 3517'

3521' 3521'

3525' 3529'

3533' 3537'

3541' 3545'

3562' 3566'

3570' 3574'

3583' 3587'

3591' 3595'

3615' 3619'

3628' 3634'

3541' 3545'

Top of Fill  
at 3,650'

BOL @ 3695'

TD @ 3695'

Surf Csg  
Hole Size 15"  
CSG Size 13 3/8"  
Set @ 171'  
Cmt 100 sx Cl C  
Circ Yes,

## Inter Csg

Hole Size 11 1/4"

CSG Size 9 5/8"

Set @ 1264'

Cmt 300 sx Cl C

Circ No,

## Production Casing

Hole Size 8 3/4 in

Csg Size 7 in

Set @ 3302 ft

Sxs Cmt 300

TOC No

Shoe @ 3302'

## Liner

Hole Size 6 1/8 in

Csg Size 4 1/2 in

TOL 3228 ft

BOL 3695 ft

Sxs Cmt 150

Sxs Cmt 75 from TOL

PBDT 3695 ft

TD 3695 ft

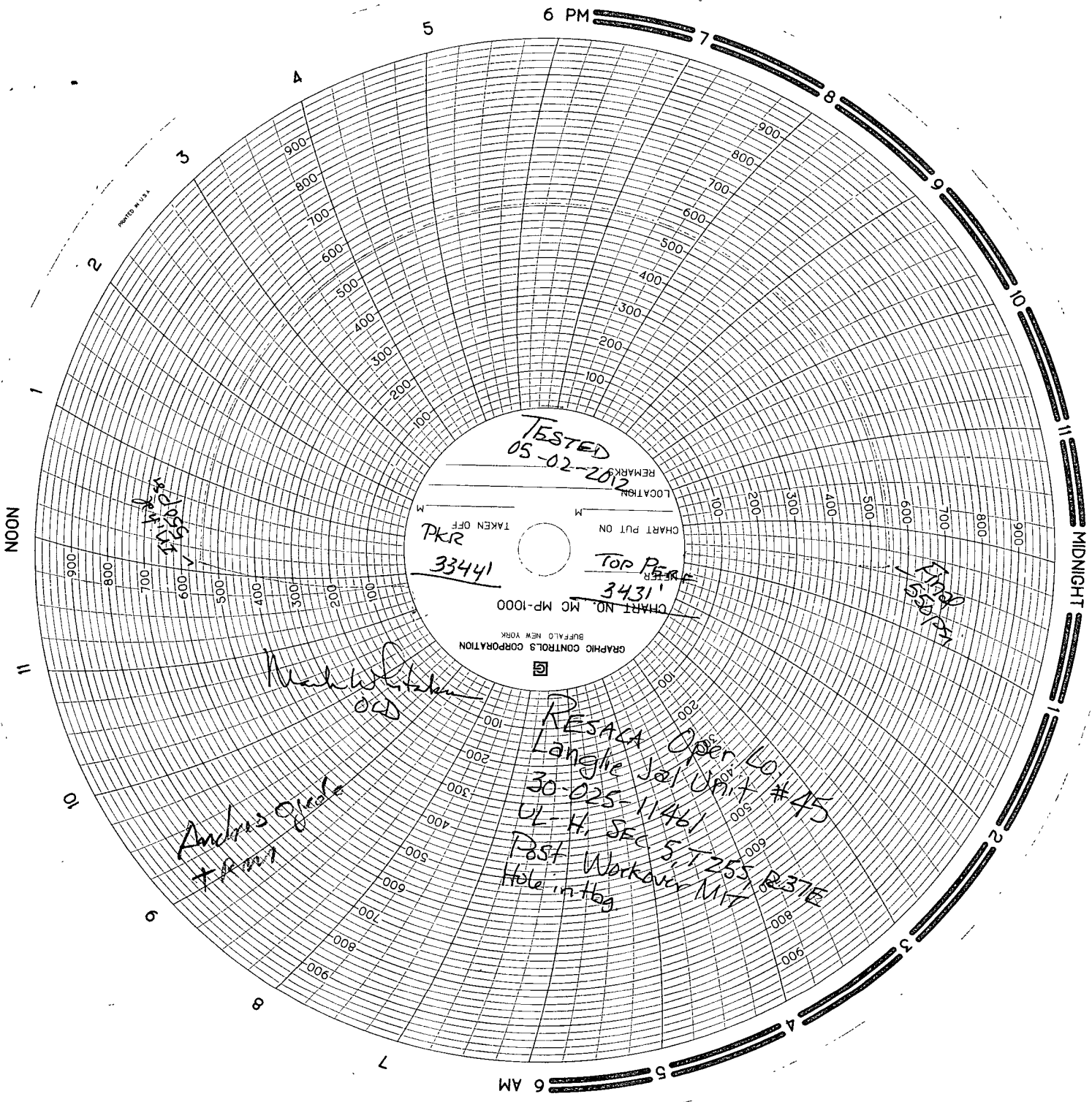
6 1/8" Open Hole

PREPARED BY

Domingo Camzales

UPDATED

26-Sep-11



TESTED  
05-02-2012

PKR  
33441

Top Perf  
3431'

GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

Handwritten notes in the lower-left quadrant.

Andrus Grade  
T 1001

RESAC Open 401  
Langhe Jol Unit #45  
30-025-11461  
UL-H, SEC 5  
Post Workover M17  
Hole in bag

Handwritten notes in the lower-right quadrant.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

HOBBS OCD

MAY 16 2012

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 5, T-25S, R-37E, 1650' FNL &amp; 330' FEL

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No  
Langlie Jal Unit- NM 70970A8. Well Name and No  
Langlie Jal Unit #459. API Well No  
30-025-1146110. Field and Pool or Exploratory Area  
Langlie Mattix; 7Rivers-Queen-Grayburg11. 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 Repaired Tubing
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Leak & Ran MIT
	<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 recompleat 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 recompleat 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 3431'-3545'). Our intention was to run MIT after repairing tubing leak.

- 1.) MIRU Pulling Unit, bled well down to vacuum truck. 4/30/12
- 2.) NDWH, NU BOP, released packer; POOH w/ tubing & packer. 5/1/12
- 3.) RU tubing tester & RIH w/ tubing; Found 1 hole #12 from surface, 5 crimped joints; Replaced bad joints. 5/1/12
- 4.) ND BOP, circulated Packer fluid & set 4 1/2" AD-1 Packer @ 3344' (Top Perf @ 3431'); NUWH. 5/1/12
- 5.) Tested casing to 520 psi, test okay. 5/1/12
- 6.) RDMO Pulling Unit; Ran Post Workover Mechanical Integrity Test; Pulled chart for NMOC. 5/2/12  
(Test witnessed & signed by NMOC Representative Mark Whitaker)

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

Melanie Reyes

Title Engineer Assistant

Signature

Date 05/11/2012

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

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)