

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 Street, 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)

1980' FSL & 1916' FWL, Sec 19, T-24S, R-37E, Unit Letter K

5 Lease Serial No  
LC- 032715

6 If Indian, Allottee or Tribe Name

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

Cooper Jal Unit- NM 70926X

8 Well Name and No  
Cooper Jal Unit #133

9 API Well No  
30-025-11161

10 Field and Pool or Exploratory Area  
Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G

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 Test casing & run MIT
	<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.)

5/17- MIRU PU Rig stuck, broke down

5/22- Speared broken tbg. NDWH, released packer. NU BOP, POOH w/ tbg. & pkr. RIH w/ 4 3/4" Bit & tubing, tagged @ 3126'. POOH w/ tubing & Bit. RIH w/ 5 1/2" AD-1 Packer. RU tbg. tester & hydro-tested tubing in hole, no leaks.

5/23- Racked work string, MI reverse unit

5/24- Set 5 1/2" Arrow Set Packer @ 2930'. Tried to run MIT, lost pressure. Pulled 1 jt., set packer, Tried to run MIT, lost pressure. POOH w/ tbg. & pkr. RIH w/ 4 3/4" Bit, drill collars & tubing, tagged @ 3110'. PU Swivel & cleaned to 3165', circulated clean.

5/25- RIH w/ tbg., tagged @ 3165'. PU Swivel & cleaned to 3670', circulated clean. LD Swivel.

5/29- RIH w/ tbg., tagged @ 3610'. PU Swivel, croke circulation bridge at 3610', cleaned to 3670'. POOH w/ tbg. & D.C.'s. RIH w/ plug & pkr. Tested tubing in hole, good. Set Plug @ 2940', tested plug, okay. POOH to 1800', tested casing, test good.

5/30- POOH, LD work string, pkr., & plug. PU 5 1/2" AD-1 Pkr, Tested 2 3/8" IPC tbg., test good. Tried to run MIT Twice, wouldn't hole pressure.

5/31- RIH w/ 5 1/2" Arrow Set Packer & 2 3/8" IPC tubing, set Pkr @ 2930'. Tried to run MIT twice, lost pressure. RIH w/ 5 1/2" Plug & pkr. PU w/ 2 7/8" work string & set plug @ 2948'; tested plug, test good. POOH to 2000', tested casing to 600 psi, test good. Released packer & tested all casing f/ surface to 2948' to 600 psi, test good.

6/1- Tried to run MIT three times, unsuccessful.

6/2- Standby

6/3- RDMO PU, cleaned location.

\* Filing Form 3160-5 Notice of Intent to run & cement liner.

accept for record  
06/13/2012 RRS

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

Melanie Reyes

Title Engineer Assistant

Signature

Date 06/06/2012

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)

OCT 14 2012

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 August 1, 2011

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

WELL API NO. 30-025-11161
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED <input type="checkbox"/>
6. State Oil & Gas Lease No. 306444
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 133
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix 7R-Q-G

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
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>K</u> : <u>1980</u> feet from the <u>South</u> line and <u>1916</u> feet from the <u>West</u> line Section <u>19</u> Township <u>24S</u> Range <u>37E</u> NMPM Lea County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3286' 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: ☐

OTHER: Test casing & Run 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 PU. Rig stuck, broke down; Speared broken tbg. NDWH, released packer. NU BOP, POOH w/ tbg. & pkr. RIH w/ 4 3/4" Bit & tubing, tagged @ 3126'. POOH w/ tubing & Bit. RIH w/ 5 1/2" AD-1 Packer. RU tbg. tester & hydro-tested tubing in hole, no leaks. 5/17-5/22
- 2) Racked work string, MI reverse unit. Set 5 1/2" Arrow Set Packer @ 2930'. Tried to run MIT twice, lost pressure. POOH w/ tbg. & pkr. RIH w/ 4 3/4" Bit, drill collars & tubing, tagged @ 3110'. PU Swivel & cleaned to 3165', circulated clean. 5/23-5/24
- 3) RIH w/ tbg., tagged @ 3165'. PU Swivel & cleaned to 3670', circulated clean. LD Swivel. RIH w/ tbg., tagged @ 3610'. PU Swivel, crock circulation bridge at 3610', cleaned to 3670'. POOH w/ tbg. & D.C.'s. RIH w/ plug & pkr. Tested tubing in hole, good. Set Plug @ 2940', tested plug, okay. POOH to 1800', tested casing, test good. 5/25-5/29
- 4) POOH, LD work string, pkr., & plug. PU 5 1/2" AD-1 Pkr, Tested 2 3/8" IPC tbg., test good. Tried to run MIT Twice, wouldn't hole pressure. RIH w/ 5 1/2" Arrow Set Packer & 2 3/8" IPC tubing, set Pkr @ 2930'. Tried to run MIT twice, lost pressure. RIH w/ 5 1/2" Plug & pkr. PU w/ 2 7/8" work string & set plug @ 2948'; tested plug, test good. POOH to 2000', tested casing to 600 psi, test good. Released packer & tested all casing f/ surface to 2948' to 600 psi, test good. 5/30-5/31
- 5) Tried to run MIT three times, unsuccessful. 6/1
- 6) RDMO PU, cleaned location. 6/3

\* Filing Form 3160-5 Notice of Intent to run & cement liner.

Spud Date:

RU 5/17/12

Rig Release Date:

6/3/12

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 6/6/2012

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

For State Use Only

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME <b>Cooper Jal Unit</b> (Formerly No s 240 & 310)	
STATUS <b>Active</b>		WATER INJECTOR	
LOCATION <b>1980 FSL &amp; 1916 6 FWL, Sec 19, T. 24S, R. 37E, Lee County, New Mexico</b>		WELL NO <b>133 WIW</b>	
SPUD DATE <b>TD 3680</b>		API# <b>30-025-11161</b>	
INT COMP DATE <b>10/10/49</b>		PBTD <b>3680</b>	
KB <b>3,296'</b>		GL <b>3,286'</b>	
DF			
ELECTRIC LOGS		GEOLOGICAL DATA	
GR-CBL-CCL from 3104 - 2330' (3-21-94 Halliburton)		CORES, DSTS, or MUD LOGS	
Reassembly Log (E-log) from 323 - 3677' (10-10-49 Schlumberger)			
GR-N from surface - 3241' (10-13-49 Lane Wells)			
HYDROCARBON BEARING ZONE DEPTH TOPS			
Yates @ 2976'		7-Rivers @ 3210'	
Queen @ 3544'			
Casing Profile			
SURF 8 5/8" - 32#, J-55 set @ 304' Cmt'd w/175 sxs - circ cmt to surface			
PROD 5 1/2" - 15 5#, J-55 set @ 3320' Cmt'd w/1000 sxs - TOC @ 225' f/surf by TS Perf'd @ 215' & cmt w/100 sxs circ cmt to surf			
LINER None			
CURRENT PERFORATION DATA			
CSG PERFS		OPEN HOLE 3320 - 3680'	
12-May-54 Perf'd Yates f/ 3053 - 3110' (Yates)			
05-Aug-55 Cement Squeeze'd Perfs 3053 - 3110'			
05-Aug-55 Perf'd Yates f/ 3182 - 3220' 3245'-78' w/ 1 spf			
05-Jun-74 Perf'd Yates f/ 3060 - 3155' w/ 1 spf (25 holes)			
TUBING DETAIL 3/22/1994		ROD DETAIL	
Length (ft)		Detail	
10 KB		2908 92 jts - 2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg	
2908 92 jts - 2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg		3 1- 5 1/2" x 2 3/8" Baker Model AD-1 packer	
2921 btm		WELL HISTORY SUMMARY	
12-May-54 Initial completion interval 3320'-3680' (7 RVRS/Queen OH) and perf'd 3053 - 3110' (Yates). Acld'd w/ 1,000 gals IP = 52 bopd, 0 bwpd, & 55.7 Mcfgpd (flowing)		09-Jul-53 Frac w/ 6,000 gals lse oil & 4,500#s sand	
24-Jul-54 Complete as dual Acld'd OH w/ 1,000 gals, Frac OH w/ 10,000 gals lse oil & 10,000#s sand		05-Aug-55 Cmt sqz'd perfs 3053 - 3110' (Yates). Frac'd OH w/ 20,000gals lse oil & 20,000#s sand	
Perf'd (Jalmat) 3182 - 3220' & 3245' - 78' w/ 1 spf. Frac perfs w/ 20,000 gals lse oil & 20,000#s sand		05-Jun-74 CONVERTED WELL TO DUAL INJECTOR: C/O fill to 3525' Perf'd 3060'- 156' w/ 1 spf (25 holes) & acld'd w/2,500 gals	
22-Apr-86 Cmt sqz'd csg leak @ 250 - 340' w/ 500 sxs. Acld'd perfs 3060'-3278' w/ 5,000 gals Perf'd 2 holes @ 215' & circ cmt to surface. Re-sqz'd csg leak 270 - 330' w/ 50 sxs.		15-Mar-94 C/O fill from 3647 - 80' (33' of fill) Ran GR-CCL-CBL from 3104'-2330' Perf Intervals 2982 - 3049' w/ 2 spf (3 Intervals - 100 holes - 0.56" dia). RIH w/ 2 3/8" IPC tbg & pkr Set pkr @ 2929' Initiated injection @ 672 bwpd, TP=vacuum	
01-Oct-94 Based on BLM Form 3160-5 dated October 1994, contained in well file, Subject well will be referred to as Cooper Jal Unit #133 from this date forward		14-Feb-02 Tag TD using SL unit ( 1 1/4" x 5' sinker bar) Tag fill @ 3429' (167' of fill)	
07-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,434'.		21-Apr-09 RU Gray Wireline Ran injection profile Place well on injection Rate/Press: 585 bwpd/684#.	
2982'-3049'		3053'-59'	
3060'-3155'		3182'-3220'	
7-Rivers @ 3210'		3245'-78'	
Langlie Mattox		Fill at 3434'	
OH Interval 3320 - 3680'		Queen @ 3544'	
PBTD 3680 ft		TD 3680 ft	
OH ID ### in		PREPARED BY Larry S Adams D Camzales	
UPDATED 19-May-09			