

RECEIVED  
MAR 16 2011  
HOBBSD

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09625
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 306443
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 245
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; Tansill-Yates-7Rivers

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 ☒ Gas Well ☐ Other ☐

2. Name of Operator

Resaca Operating Company

3. Address of Operator

2509 Maurice Road, Odessa, TX 79763

4. Well Location

Unit Letter J : 1980 feet from the South line and 1980 feet from the East line  
Section 24 Township 24S Range 36E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3318' 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: Add Perfs and Foam Sand Frac Jalmat



## SUBSEQUENT REPORT OF:

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

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.

- MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- Clean out inside 4 1/2" liner to 3560'.
- RU Wireline Co. & perforate Yates f/ 3000'-3168', 2 JHPF, 75', 152 holes; 7 Rivers f/ 3271'-3344', 2 JHPF, 6', 12 holes.
- RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- Foam Sand Frac Yates f/ 3000'-3168' & 7 Rivers f/ 3271'-3344' w/ 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand plus 1.71 MMCF Nitrogen, diverting w/ 130 Ball Sealers.
- RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3560'.
- RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
- RDMO Pulling Unit, clean location, clean and dispose of pit fluids.

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

3/15/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com PHONE: (432)580-8500

For State Use Only

APPROVED BY:

TITLE

State Representative

DATE

3-17-2011

Conditions of Approval (if any):

CURRENT COMPLETION SCHEMATIC		Cooper Jal Unit		WELL NO. <b>245</b> (Formerly No. 131)																																						
		LEASE NAME	STATUS:	API# <b>30-025-09625</b>																																						
		Active	Oil																																							
<div style="border: 1px solid black; padding: 5px;"> <b>Surface Csg</b>            Hole Size: 10 3/4            Csg. Size: 8 5/8            Set @: 265            Sxs Cmt: 125            Circ: Yes in            TOC @: surf in            TOC by: circ ft         </div>		LOCATION: 1980 FSL & 1980 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico SPUD DATE: 11/16/49 TD 3560 KB DF INT. COMP. DATE: 12/17/49/PBTD 3560 GL 3,318'																																								
		<div style="display: flex; justify-content: space-between;"> <div> <b>ELECTRIC LOGS:</b>            GR-N from 3100 - 3556' (3/9/61 Frontier.Perforators)            GR-N from 3800 - 3522' (11-12-74 McCullough)         </div> <div> <b>GEOLOGICAL DATA</b>            CORES, DSTS or MUD LOGS:         </div> </div>																																								
		HYDROCARBON BEARING ZONE DEPTH TOPS: <div style="display: flex; justify-content: space-around;"> <span>Yates @ 3002'</span> <span>7-Rivers @ 3228'</span> <span>Queen @ 3600'</span> </div>																																								
<div style="border: 1px solid black; padding: 5px;"> <b>Production Liner</b>            Hole Size: 10 3/4 in            Csg. Size: 4 1/2 in            Top: 2871 ft            Btm: 3560 ft            Sxs Cmt: 100            Circ: NO - sqz'd            TOC @: unknown            TOC by:         </div>		<div style="border: 1px solid black; padding: 5px;"> <b>CASING PROFILE</b>            SURF. 8 5/8" - set @ 265' Cmt'd w/125 sxs - circ cmt to surface            PROD. 5 1/2" -14#, J-55 set @ 2993' Cmt'd w/200 sxs - TOC @ 1850', 75% calc. DV tool @ 1191' - pmp 150 sxs -            LINER 4 1/2" 16# drill pipe. Sqz'd w/ 100 sxs cmt around liner @ 1,500 psi. 5 1/2" - TOC @ 334', 75% calc.         </div>																																								
		<div style="border: 1px solid black; padding: 5px;"> <b>CURRENT PERFORATION DATA</b>            CSG. PERFS: Mar-61 <b>Perf'd Langlie Mattix</b> f/ 3359-62', 3370-72', 3397-3400', 3449-53', &amp; 3479-86', 2 spf.            Nov-74 <b>Perf'd Jalmat</b> f/ 3010-18', 3044-60', 3093-3104', 3155-61', 3176-84', 3200-20' &amp; 3276-91' w/ 1 spr (84 noies)            Aug-92 <b>Perf'd Yates</b> f/ 3105-35' w/8 spr (240 - .35" dia noies)         </div>																																								
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<div style="border: 1px solid black; padding: 5px;"> <b>WELL HISTORY SUMMARY</b>            16-Dec-49 Initial completion interval: 2993 - 3208' (Yates OH). IP =63 bopd (not stimulation trtmt.)            1-Oct-58 C/O - put on pmp.            9-Mar-61 <b>Drd to 3560' w/4 7/8" bit.</b> Set 4 1/2", 16# Drill Pipe liner from 2871 - 3560'. Sqz'd cmt around liner @ 1500 psi. <b>Perf'd Langlie Mattix</b> f/ 3359-62', 3370-72', 3397-3400', 3449-53', &amp; 3479-86', 2 spf. Frac'd w/15,000 gals w/1 ppg sand. <b>Well producing 18 bopd &amp; 2,400 Mcfgpd</b>            28-Apr-66 Well producing 1 bopd, trace wtr, &amp; GOR=7000            27-Jul-72 Found hole in casing 2' from surface. Repaired w/Fiberglass epoxy patch.            8-Aug-73 Well producing 26 bopd &amp; 95 bwpd            1-Sep-74 Well producing 40 bopd &amp; 181 bwpd            12-Nov-74 <b>Ran log and perf'd Jalmat (Yates) f/ w/1 spf intervals:</b> 3010-18', 3044-60', 3093-3104', 3155-61', 3176-84', 3200-20', and 3276-91', 1 spf. Acidized perfs w/ 4000 gals 15% acid using 110 ball sealers. Frac'd w/40,000 gals containing 1 ppg sand in 3 stages @ 22 bpm &amp; 2600 ppsig. ISIP= 900 psig. P10min=600 psi. C/O sand from 3061 - 3300'. Sand left in well from TD @ 3560'-3300'. Returned well to production. <b>IP= 26 bopd, 71 bwpd &amp; GOR of 1311.</b>            05-Feb-75 Producing 106 bopd &amp; 48 bwpd (pmp)            13-Feb-77 Producing 49 bopd &amp; 98 bwpd (pmp)            21-Dec-79 Submit Form C-104, well renumbered from 131 to 245.            08-Jul-89 Aczd'd perfs (3010-3291) w/3,000 gals 15% NEFE HCL in 3 equal stages using 500# &amp; 700# rock salts blocks. AIR= 3.0 AIR= 3.0 bpm at 800 psi. ISIP=400 psi - vacuum. Returned well to production.            28-Aug-92 Set CIBP @ 3350'. Dmp 4 sxs cmt on CIBP. TOC @ 3300'. Tst lnr top w/ pkr. OK. <b>Perf'd Yates</b> f/ 3105'-35' w/8 spf (240 - 0.35 dia holes). Frac all perfs (3010 - 3291, old &amp; new) w/56,000 gals carrying 231,200#s 12/20 brady sand &amp; 16,900#s 12/20 resin coated sand. C/O to 3310'. Weld patch on outside of 5 1/2" csg 2' below GL.  <b>After WO: 27 bopd, 96 bwpd, &amp; 48 Mcfgpd. API gvty=36.3</b>            12-Mar-02 Change-out tbg, rods &amp; pmp. Obtained scale sample - calcium carbonate - 100% acid soluble. Run in hole w/ IPC tbg.            19-Sep-05 POOH w/ rods, pmp &amp; tbg. RIH w/3 7/8" bit, 10 - 1 1/16" DCs, tagged TOL @ 2871'. Would not go in. RIH w/ 3 5/8" bit &amp; BHA. Tagged fill @ 3190', C/O to 3350'. Drilled cmt &amp; CIBP, cleaned out to <b>PBTD @ 3560'</b>. Hydrotest tbg in hole to 6000#. PWOP.            26-Sep-05 POOH with rods, pump and tubing. Rings were torn of 60 ring pap plunger. RIH with tubing pump &amp; rods. Load tubing. PWOP.            04-Oct-05 Scanologed 108 - 2 3/8" tubing: 31 blue band, 64 green band &amp; 13 red band. RIH w/ prod tubing, pump &amp; rods. <b>Tagged @ 3,539'</b>. Well not pumping overnight. Long stroke well, lower 6". PWOP.            13-Oct-05 Long stroke well. PWOP.            21-Oct-05 Added 2' of 7/8" pony rod on top. PWOP.            09-Jul-07 POOH w/ rods, plunger &amp; tuibng. Hydrotest tubing in hole to 6000# - hole on jt above SN. RIH with plunger, rods &amp; tbg. PWOP.            11-Sep-07 POOH w/rods &amp; 4' plunger. Found hole on 6th jt above pump. Load BPMA w/ 6 corrosion sticks. Test all tbg to 6,000#, found hole on 8th jt above pump, busted 3 joints. RIH w/4' x 1 3/4" plunger &amp; rods, plunger sticking. Laid down 16' working barrel. PWOP.            25-Aug-08 Fished parted 47th - 3/4" rod (body break). Replaced plunger. PWOP.            19-Jun-09 POOH with rods, plunger and tubing. RIH with Tag Bar, <b>tagged @ 3534'</b>. Took pressure gradient at 500' increments. RD Gray Wireline. <b>Pressure @ 3,000' = 271 psig.</b> Hydrotest tubing to 6000# - burst 94th jt. RIH with pump and rods. PWOP.         </div>																																										