

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

<p>RECEIVED FEB 14 2011 WORKSUCD</p> <p>OH CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505</p>		WELL API NO. 30-025-09630
		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
<p>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.)</p>		8. Well Number 203
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injector <input checked="" type="checkbox"/>		9. OGRID Number 263848
2. Name of Operator Resaca Operating Company		10. Pool name or Wildcat Jalmat; T-Y-7R
3. Address of Operator 2509 Maurice Road, Odessa, TX 79763		
4. Well Location Unit Letter <u>E</u> : <u>1980</u> feet from the <u>North</u> line and <u>760</u> feet from the <u>West</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3334' 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 & Acidize Injector ☒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.
- 2.) POOH w/ 2 3/8" tubing and 5 1/2" x 2 3/8" Baker Model AD-1 Tension Packer.
- 3.) RIH w/ 4 3/4" Bit & 6- 3 1/2" Drill Collars on 2 7/8" work string.
- 4.) Clean out well to 3195'.
- 5.) Acidize OH 3031'-3195' w/ approximately 10,000 gallons 90/10 Mixture of NEFE 15% Acid/ Xylene.
- 6.) POOH w/ 2 7/8" work string.
- 7.) RIH w/ 5 1/2" x 2 3/8" Baker Model AD-1 Tension Packer; circulate annulus with inhibited packer fluid
- 8.) Set Packer within 100' of top of OH @ 3031'; test annulus to 500 psig for 30 minutes; Pull chart for NMOCD.
- 9.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.
- 10.) Place well on Injection at approximately 300 bwpd; Maximum permitted injection pressure is 600 psig.

Per Underground Injection Control Program Manual

11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole.

Release Date:

Condition of Approval: Notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE M. R. TITLE Engineer Assistant DATE 2/10/11Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432)580-8500

For State Use Only

APPROVED BY: [Signature] TITLE STATE MGR DATE 2-15-2011

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO.		203 WIW	
		STATUS:		Active		Water Injector		API# 30-025-09630	
		LOCATION:		1980 FNL & 760 FWL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico					
		SPUD DATE:		10/05/51 TD		3195		KB 3,345' DF	
		INT. COMP. DATE:		10/21/51 PBTD		3195		GL 3,334'	
Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 309 ft Sxs Cmt: 150 Circ: Yes TOC @: surf TOC by: circ		ELECTRIC LOGS:		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS:			
		GR-N (10-1-51 Lane Wells)							
		HYDROCARBON BEARING ZONE DEPTH TOPS:							
		Yates @ 3030'		7-Rivers @ 3225'		Queen @ 3582'			
Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3031 ft Sxs Cmt: 850 Circ: Yes TOC @: surface TOC by: circ PBTD: 3195 ft TD: 3195 ft 4 3/4" bit cone OH IE 4 3/4 in		CASING PROFILE							
		SURF. 8 5/8" - 29.75#, J-55 set@ 309' Cmt'd w/150 sxs - circ cmt to surf.							
		PROD. 5 1/2" - 14#, J-55 set @ 3031'. Cmt'd w/850 sxs - cmt circ to surface							
		LINER None							
pkr @ 2991' Yates @ 3030' Open Hole 3031 - 3195' Fill @ 3111' 7-R @ 3225' Queen @ 3582'		CURRENT PERFORATION DATA		OPEN HOLE : 3031 - 3195'					
		TUBING DETAIL		5/19/2008		ROD DETAIL			
		Length (ft)		Detail					
		0 KB							
2988 94		942 3/8" 4.7#, CL, J-55, 8rd EUE tbg.							
3 1		5 1/2" x 2 3/8" Baker Model "A-1" packer							
2991 btm									
4 3/4" bit cone OH IE 4 3/4 in		WELL HISTORY SUMMARY							
		4-Oct-51 Initial completion 3031 - 3195' (Yates OH). Hydrafrac OH w/1,5000 gals kerosene, 500#'s Nuogel Napalm, & 400#'s Ottawa sand. IP=254.6 bopd & 0 bwpd (flowing). API gravity=37.5							
		28-Jul-90 C/O fill from 3058 - 3190' (42'). Ran pkr on 2 3/8" tbg. Set pkr @ 2949'. Initiated injection @ 395 bwpd, TP=850 psi.							
		10-Apr-91 Ran new pkr & 2 3/8" CL tbg. Set pkr @ 2991'. Tst csg to 300 psi. Good tst. Placed well on injection.							
		14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3036' (154' of fill). Left Sinker Bar stuck (@ 3036'). TOF @ 3031'.							
		18-Nov-04 POOH w/ 2 3/8" cement lined tbg & 5 1/2" AD-1 packer. RIH w/ 1 1/4" fishing tool on 2 7/8" work string 6 - 3 1/2" drill collars. Tagged at 3,031' , did not recover sinker bar. Cleaned out w/ 4 3/4" bit to 3,192', forced sinker bar to bottom at 3,192'. PUH to 3,000', tagged bridges at diff depth to 3,192'. Recovered sinker bar but left 1 cone off 4 3/4" bit in hole. Washed open hole w/ 2% KCL H2O using 1 1/4" Perf-Clean Tool, could not go below 3,089'. Washed open hole (3,031'-3,195') w/ 2% water using 1 1/4" Perf-Clean Tool in 3 stages. TP=3200# CP=50#. Acidized OH in 4 passes w/ 15% NEFE acid. Hole begin collapsing - tagged @ 3,100' to 3088'. TP= 2656 psig. CP= 940 psig. RIH w/ 4 3/4" bit, C/O to 3,194'. Hydrotest 2 3/8" IPC tbg in hole to 5,000#. Spotted AD-1 PKR at 2,989'. Circulated annulus w/PKR fluid. Set packer & test annulus to 420# for over 30 minutes - held. Pulled chart for NMOCD. Prior rate & press: 127 bwpd at 900 psi. After rate & press: 166 bwpd at 80 psig.							
		8-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,111'.							
		15-May-08 POOH w/ 2 3/8" cement lined tbg & 5 1/2" AD-1 packer. RIH w/4 3/4" fishing tool on 2 7/8" work string. Tagged fill @ 3089'. Cleaned out to 3195'. Hydrotest injection string to 4000 psi - busted 2 jts. Circ with packer fluid. Pulled Press chart for OCD.							
		3-Jul-08 POOH w/ 2 3/8" cement lined tbg & 5 1/2" AD-1 packer. The tbg got plugged w/ cement. RIH w/ 2 3/8" IPC tubing to 2,977'. Could not circulate. POOH & laid down PKR. RIH with Notch Collar on 2 7/8" WS, tagged at 3072'. Cleaned out to 3195', circulated with rubber, formation and lined cement. RIH with 2 3/8" IPC tubing. Set PKR @ 2977'. Performed MIT for OCD.							
		23-Apr-09 RU Gray Wireline. Tagged @ 3,049' w/ logging tool. RD wireline. Placed back on inj. Rate/Press: 230 bwpd/1003#.							
PREPARED BY:		Larry S. Adams		Domingo Carrizales		UPDATED:		20-May-09	