

RECEIVED

OIL CONSERVATION DIVISION

FEB 14 2011

1220 South St. Francis Dr.

Santa Fe, NM 87505

HOBBS

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.)		WELL API NO. 30-025-09651
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injector <input checked="" type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Resaca Operating Company		6. State Oil & Gas Lease No. 306443
3. Address of Operator 2509 Maurice Road, Odessa, TX 79763		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>A</u> : <u>330</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>226</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3287' GL		9. OGRID Number <u>263848</u>
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G		

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: Clean Out & Acidize Injector



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.

- 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 3600'.
- 5.) Acidize OH 2989'-3600' 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 OH @ 2989'; test annulus to 500 psig for 30 minutes; Pull chart for NMOC.
- 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 598 psig.

Spu 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.

se 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 Melanie Reyes TITLE Engineer Assistant DATE 2/10/11

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 State Engineer DATE 2-15-2011

Conditions of Approval (if any):

CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO.	
		Cooper Jal Unit		226 WIW	
		STATUS: Active Water Injector		API# 30-025-09651	
		LOCATION: 330 FNL & 330 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico			
		SPUD DATE: TD		KB 3,297' DF	
		INT. COMP. DATE: 05/16/50 PBTD 3600		GL 3,287'	
		<div style="display: flex; justify-content: space-between;"> <div>ELECTRIC LOGS:</div> <div>GEOLOGICAL DATA</div> <div>CORES, DST'S or MUD LOGS:</div> </div>			
		Ejecto Log Tracer - MicroCaliper (11-9-76 Cardinal Surveys Co.)			
		HYDROCARBON BEARING ZONE DEPTH TOPS:			
		Yates @ 2985' 7-Rivers @ 3200' Queen @ 3560'			
		Casing Profile			
		SURF. 8 5/8" - 28#, J-55 set@ 310' Cmt'd w/100 sxs - circ cmt to surf.			
		PROD. 5 1/2" - 15#, J-55 set@ 2989' Cmt'd w/200 sxs - TOC @ 1935' f/ surf by calc. DV tool @1137' - pmp 200 sxs -			
		LINER None 5 1/2" -TOC@ 80' f/ surf by calc.			
		CURRENT PERFORATION DATA			
		CSG. PERFS:		OPEN HOLE : 2989'-3600'	
		TUBING DETAIL 8/27/2004 ROD DETAIL			
		DV Tool @ 1137' 2911' 92 2 3/8" IPC J-55, 4.7# 2' 1 5 1/2" x 2 3/8" Baker Model AD-1 pkr 1287' 2913'			
		WELL HISTORY SUMMARY			
		18-May-50 IC interval: (Yates OH) 2989 - 3223': No stimulation. IP = 88 bopd, 0 bwopd, & 125 Mcfcpd (flowing) 29-Dec-68 C/O fill from 3156 - 3214' (58') 8-Apr-69 C/O fill from 3140 - 3214' (74') 20-May-71 CONVERTED To WATER INJECTOR: C/O from 3190 - 3223 (33'). Swedged out 5 1/2" csg at 337', 481', 515', 1064' & 1287'. Ran pkr on 2 3/8" CL tbg. Set pkr @ 2933'. 9-Nov-76 Ran injection profile - had 220' of fill. Identified 100% injection below 3003'. 24-Nov-76 C/O fill from 3003 - 3223' (223'). Jet washed from 3223 - 2989'. Encountered tight spot in 5 1/2" csg @ 1287'. 12-Feb-90 C/O fill to 3,223'. 01-Oct-93 Administrative Order No. WFX-648. Approved Division Order No. R-4019 & R-4020 for Waterflood Expansion. 15-Jun-95 Deepen to 3600'. Acdd'd OH (2989 - 600') w/ 5,000 gals 15% NEFE HCL. Returned well to injection (DHC - Jalmat & Langlie Mattix). Max surface injection pressure = 597 psi. 17-Oct-00 Set CIBP @ @ 2960'. Tst CIBP & csg to 590 psi. OK. Displace well with pkr fluid. Dmp 35' cmt on top of CIBP @ 2,960'. PBTD at 2925'. NMOCD representative on location. RD & clean location. Well TA'd 10-20-2000. 23-Aug-04 RIH w/ 4 3/4" bit and 6 - 3 1/8" drill collars on 2 7/8" work string. Drilled out cement & CIBP at 2960'. Cleaned open hole to 3240'. RIH w/ 5 1/2" x 2 3/8" IPC Baker Model AD-1 pkr. Hydrotest tbg to 6,000#. Landed PKR at 2913', circ'd 80 bbls of fresh water plus 10 gallons of packer fluid. Set PKR & test annulus to 520 psig for 30 minutes - head. Pulled chart for NMOCD. NMOCD Rep witnessed the MIT. Injection: 300 BWPD at 120 psig. Status change f/ Inactive to Active Injector. 8-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,095'. 16-Jan-09 Test csg to 500 psig - okay. POOH w/ IPC tbg & PKR. RIH w/ 4 3/4" bit & drill collars, tagged @ 3,068'. Drilled formation f/ 3241' to 3570' in 5 days. Left 3 cones & 2 shanks of 4 3/4" button bit. Could not recover w/ magnet. RIH with 5 1/2" PKR on 2 3/8" IPC tubing (Hydrotest to 5,000#). MIT to 500 psig for 30 min. Pulled chart for OCD. Prior Rate/Press: 120 BWPD @ 380#. After Rate/Press: 350 BWPD @ 550#. 24-Sep-09 RU Gray WL. RIH Logging Tool - tagged 3,560'. Ran injection profile. RD WL. Rate/Press: 563 BWPD @ 700 PSIG.			
		<div style="display: flex; justify-content: space-between;"> <div> Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 310 ft Sxs Cmt: 100 Circ: Yes TOC @: surf TOC by: circ </div> <div> TOC @ 80' </div> </div>			
		<div style="display: flex; justify-content: space-between;"> <div> Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 2989 ft Sxs Cmt: 250 Circ: No TOC @: 80 f/ surf. TOC by: calc. </div> <div> Yates @ 2985' Jalmat OH Interval 2989'-3600' 7-R @ 3200' Langlie Mattix Queen @ 3560' TOF @ 3560' Bit Cones and shanks. </div> </div>			
		PBTD: 3600 ft TD: 3600 ft OH ID 4 3/4 in			
		PREPARED BY: Larry S. Adams Domingo Carrazales UPDATED: 20-Mar-09			