

RECEIVED

FEB 14 2011

HOBBSCD

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09631	✓
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 120	✓
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 ☐ Gas Well ☐ Other ☐ Injector

2. Name of Operator

Resaca Operating Company

3. Address of Operator

2509 Maurice Road, Odessa, TX 79763

4. Well Location

Unit Letter C : 660 feet from the North line and 1980 feet from the West lineSection 24 Township 24S Range 36E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3315' 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: Clean Out &amp; Acidize Injector

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## 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" IPC tubing and 4" 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.) RU Swivel and clean out well to 3604'.
- 5.) Acidize perfs 3011'-3516' w/ approximately 10,000 gallons 90/10 Mixture of NEFE 15% Acid/ Xylene.
- 6.) POOH w/ 2 7/8" work string.
- 7.) RIH w/ 4" x 2 3/8" Baker Model AD-1 Tension Packer; circulate annulus with inhibited packer fluid
- 8.) Set Packer within 100' of top perf @ 3011'; 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 400 bwpd; Maximum permitted injection pressure is 600 psig.

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

Per Underground Injection Control Program Manual  
Spu 11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole. se Date:

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 2/8/11

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 MGR DATE 2-15-2011

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY				
CURRENT COMPLETION SCHEMATIC		LEASE NAME <b>Cooper Jal Unit</b> (Formerly No. 236) WELL NO. <b>120 WIW</b>		
		STATUS: Active Water Injector LOCATION: 660 FNL & 1980 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico SPUD DATE: TD 3604 KB 3,326' DF INT. COMP. DATE: 11/11/51 PBTD 3578 GL 3,315'		
		GEOLOGICAL DATA		
		ELECTRIC LOGS: GR-N from surface - 3195' (11-6-51 Lane Wells) GR-CCL (5-20-94 Halliburton) GR-N from 2000 - 3573' (9-1-71 Dresser Atlas) GR-N from 2900 - 3600' (12-12-54 PGAC)		
		CORES, DST'S or MUD LOGS: Core analysis from 3444 - 3512' (12-15-54)		
Surface Csg Hole Size: 12 1/4 in Csg. Size: 8 5/8 in Set @: 315 ft Sxs Cmt: 150 Circ: Yes TOC @: surf TOC by: circ		HYDROCARBON BEARING ZONE DEPTH TOPS:		
		Yates @ 3007' 7-Rivers @ 3216' Queen @ 3572'		
		CASING PROFILE		
		SURF. 8 5/8" - 29.75#, J-55 set @ 315' Cmt'd w/150 sxs - circ cmt to surf. PROD. 5 1/2" - 15# (0-1600') & 17# (1600 - 3000'), J-55 set @ 3000' Cmt'd w/650 sxs - TOC @ 70' from surf. LINER 4" - 9.5#, J-55 FJ csg. set from 2854 - 3604' Cmt w/45 sxs - Circ cmt out TOL.		
Production Liner Hole Size: in Csg. Size: 4 in Top: 2854 ft Btm: 3604 ft Sxs Cmt: 45 Circ: Yes TOC @: TOL TOC by: Circ		CURRENT PERFORATION DATA		
		CSG. PERFS:		
		3011 - 3270' w/1 spf (81 holes) 3408 - 92' w/1 spf (37 holes) 3156 - 76' w/2 spf (40 holes) 3500 - 12' w/4 spf (68 holes)		
		OPEN HOLE : 3000 - 3604'		
OH ID: 4 3/4 in OH Interval 3000 - 3604' behind 4" liner		TUBING DETAIL 4/30/2008 ROD DETAIL		
		Length (ft) Detail		
		11 KB 2936 95 jts - 2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg. 3 1- 4" x 2 3/8" Baker Model AD-1 packer 2950 btm		
		WELL HISTORY SUMMARY		
11-Nov-51 Initial completion interval: <b>3000 - 3195' (Yates OH)</b> . Frac'd w/1,500 gals kerosene, 500#'s Napalm, 800#'s ottawa sand & 70 bbls oil. IP = <b>207 bopd, 0 bwpd &amp; 337 Mcfgpd (flowing)</b> 19-Dec-54 <b>Deepened to 3604'</b> . Set 4 1/2" liner from 2854'-3604'. Perf'd (Langlie Mattix) 3500'-12' w/ 4 spf (68 holes). Frac'd w/ 6,000 gals lse oil & 6,000#'s sand. IP= <b>581.2 bopd, 0 bwpd, &amp; 389 Mcfgpd (flowing)</b> 7-Oct-71 Coverted to Dual Injector: Perf'd (Jalmat) 3011 - 3270 w/1 spf (81 holes) & (Langlie Mattix) 3408 - 92' w/ 1 spf (37 holes). Acdz 3500'-12' w/1,600 gals. Acdz 3011'-3270' w/3,860 gals. RIH w/dual pkrs and initiated injection. 14-Oct-88 Dual pkr. Equipment plugged up. Well Shut-in. 26-Apr-94 POOH w/ inj. equip. (extensive fishing operations). C/O to 3574' - Drlg on junk. Ran GR-CCL. Perf'd Yates 3156'-76' w/ 2 spf (40 - .042" dia holes). TIH w/ pkr on 2 3/8" IPC tbg. Set pkr @ 2940'. Placed on inj: <b>722 bwpd @ TP= 800 psi.</b> 14-Feb-02 Tag TD using SL unit ( 1 1/4" x 5' sinker bar). Tag fill @ <b>3046' (558' of fill)</b> 9-Aug-04 POOH w/ 2 3/8" IPC tbg & 4" x 2 3/8" Baker Model AD-1 PKR. RIH w/ 3 7/8" skirted bit & 6 - 3 1/8" DCs on 2 3/8" work string. Tagged TOL at 2,854', bit would go inside lnr. POOH & laid down 6 - 3 1/8" drill collars & 3 7/8" bit. RIH w/3 1/4" bit on 2 3/8" work string, tagged @ 3070'. C/O to <b>PBTD @ 3575'</b> . Circ'd iron carbonate scale. POOH laying down 2 3/8" work string & 3 1/4" bit. RIH w/redressed 2 3/8" x 4" Baker Model AD-1 PKR to <b>2945'</b> . Hydrotest injection string to 6,000 #. Circ'd w/ inhibited PKR fluid, set packer. Test annulus for 15 min to 350# - held. OCD. Field Rep was present to witness the MIT. <b>Before injectivity: 330 bwpd at 1000#. After injectivity: 300 bwpd at 480#.</b> 03-Dec-04 <b>Before Rate &amp; Pressure: 319 bwpd at 850#.</b> RIH w/ 1 1/4" Perf-Clean Tool on 1 1/4" C/T. Washed Perfs (3011'-3516') with surfactant 2% fresh water. TP= 3250 psig. Annulus Press= 100 psig. Acidized with 4200 gallons 15% NEFE HCl acid in 3 passes. TP=3700#, Annulus Press= 750#. <b>After Rate &amp; Press: 242 bwpd at 130#.</b> 07-Nov-05 RIH w/ 1 1/4" sinker bar and tagged at <b>3,558'</b> . 28-Apr-08 POOH w/ 2 3/8" IPC tbg & 4" x 2 3/8" Baker Model AD-1 packer. RIH w/ 2 3/8" notched collar on 2 3/8" tbg. Tagged fill at 3532', <b>cleaned out to 3578'</b> . RIH w/ 4" AD-1 PKR on 2 3/8" IPC tbg to <b>2936'</b> . Circ'd w/PKR fluid. MIT to 440# - OK. 10-Jul-08 Foam CO2 Acidized Jalmat & Langlie Mattix with 3,080 gals 15% NEFE HCl acid and 35 Tons CO2. AIR= 6.2 bpm. Pavg+ 2,640#. ISIP= 940#. <b>Prior Rate/Press: 312 bpd @ 716 psi. After Rate/Press: 426 bpd @ 600#.</b>				
PREPARED BY:		Larry S. Adams Domingo Carrizales UPDATED: 19-May-09		