

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

RECEIVED
JAN 05 2011
HOBBSOCD

WELL API NO.

30-025-09636

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

306443

7. Lease Name or Unit Agreement Name

Cooper Jal Unit

8. Well Number 126

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 G : 1650 feet from the North line and 2310 feet from the East line

Section 24 Township 24S Range 36E NMPM Lea County

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

3311' 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 & 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

2.) POOH w/ 2 3/8" IPC 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 3560'.

5.) Acidize perfs and OH with 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 perf @ 3021'; test annulus to 500 psig for 30 minutes; Pull chart for NMOCD.

9.) Place well on Injection at approximately 300 bwpd; Maximum permitted injection pressure is 880 psig.

10.) RDMO Pulling Unit.

Condition of Approval: Notify OCD Hobbs

office 24 hours prior of running MIT Test & Chart

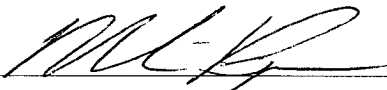
Per Underground Injection Control Program Manual

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

Use 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

12/29/10

Type or print name

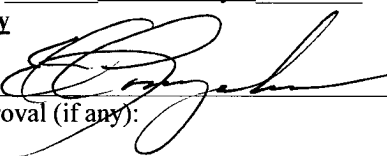
Melanie Reyes

E-mail address: melanie.reyes@resacaexploitation.com

PHONE: (432)580-8500

For State Use Only

APPROVED BY:



TITLE

STATE ENGINEER

DATE

1-6-2011

Conditions of Approval (if any):



WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO. 126 WIW	
<p>Surface Csg Hole Size: 12 1/4 in Csg. Size: 8 5/8 in Set @: 280 ft Sxs Cmt: 125 Circ: Yes TOC @: surf TOC by: circ</p> <p>Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3470 ft Sxs Cmt: 300 Circ: No TOC @: 680 ft surf. TOC by: calc. PBDT: 3560 ft TD: 3560 ft</p> <p>OH Interval 3470 - 3560'</p> <p>OH ID: ### in</p> <p>Queen @ 3620'</p>		STATUS: Active		Water Injector		API # 30-025-09636	
		LOCATION: 1650 FNL & 2310 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		SPUD DATE: TD 3560		KB 3,320' DF	
		INT. COMP. DATE: 05/13/54 PBDT 3560		GL 3,311'			
		TOC @ 24' by CBL					
<p>TOC @ 680' by calc</p> <p>DV Tool @ 1260'</p> <p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS:			
		ELECTRIC LOGS:		Borehole Analysis Casing Insp. Log (2/7/08 C CN/GR/CCL (2/7/08 Gray WL)			
		GR-N (5-11-54 Schlumberger)		Radial Bond GR/CCL (2/29/08 Gray WL)			
		GR-CCL ((2-3-87 Rotary Wireline)		Injection Profile (4-21-95 Houston, Inc.)			
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		HYDROCARBON BEARING ZONE DEPTH TOPS:		Yates @ 3020'		7-Rivers @ 3240'	
		QUEEN @ 3620'					
		Casing Profile		SURF. 8 5/8" - 24#, J-55 set @ 280' Cmt'd w/125 sxs - circ cmt to surf.			
		PROD. 5 1/2" - 14#, J-55 set @ 3470' Cmt'd w/200 sxs - TOC @ 2415' from surf. DV tool @ 1206' - pmp 100 sxs -		LINER 3 1/2" - 9.5# Flush Max @ 3,400', Cmt'd w/ 170 sx Cl C w/6% gel, tailed w/ 70 sx Cl C w/ 2% gel. Circ'd 4 bbls cmt. 5 1/2" - TOC @ 680' ff surf by calc.			
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		CURRENT PERFORATION DATA		OPEN HOLE 3470 - 3560' Behind Liner			
		CSG. PERFS:		18-Feb-87 Perf'd Yates f/3022,28,32,41,45,52,57,59,71,75,78,84,86,90, 3102,06, 12', 29', 35', 51'- 58', 67', & 3190'			
		18-Feb-87 Perf'd Seven Rivers: from: 3202,17,19,21,23,32, & 34 w/2 spf (60 holes total).					
		29-Feb-08 Perf'd 7-Rivers f/3522'-27', 17'-19', 12'-14', 08'-10', 01'-05', 01'-05', 3495'-3497', 73'-75', 62'-64', 3454'-57', 3442'-45', 3431'-31' & 3360'-3360'.					
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		29-Feb-08 Perf'd Yates f/ 3295'-3297', 84'-93', 80'-82', 44'-47', 32'-37', 25'-27', 14'-24', 3208'-10', 3192'-96', 76'-88', 70'-74', 3166'-68', 59'-64', 52'-56', 43'-50', 3132'-41', 3098'-3128', 66'-93', 27'-63', & 3021'-3025', Total Holes= 215. 1 JHPF.					
		TUBING DETAIL 3/4/2008		ROD DETAIL			
		Length (ft)		Detail			
		9 KB		2 3/8" 4.7#, IPC, J-55, 8rd EUE tbg.			
3005 96		5 1/2" x 2 3/8" Baker Model AD-1 packer					
3 1		btm					
3017							
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		WELL HISTORY SUMMARY					
		13-May-54 Initial completion interval: 3470 - 3560' (7 RVRS/Queen OH). Frac'd w/4,000 gals oil & 6,000#s sand. IP=480 bopd,0 bwpd & 672 Mcf/gpd (flowing)					
		25-Jun-74 C/O fill from 3530 - 60' (30')					
		25-May-75 C/O to TD @ 3560'. Acdd'd w/4,000 gals in 3 stages.					
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		22-Aug-75 C/O to 3560'. Acdd with 1,500 gals (During job, after rock salt blocks). Frac with 34,000 gals X-L gel, 30,000#s 20/40 sand and 10,000#s 10/20 sand (3 stages, with rock salt blocks, max conc. 1.5 ppg). Clean out to 3560'.					
		18-Feb-87 C/O L M OH 3470'-3560' (90'-fill). Set BP @ 3394'. Perf Yates (Jalmat) f/ 3022,28,32,41,45,52,57,59,71,75,78,84,86,90, 3102'-06', 3102, 06, 12, 29, 35, 51, 58, 67, 90, 3202, 17, 19, 21, 23, 32, & 34 w/2 spf (60 holes). Acdd'd Jal (3022-3234') w/ 4000 gals. Frac'd w/ 33,600 gals X-L gel & 50,000#s 12/20 sd (2 stages with BS, max conc. 5 ppg). Rls BP, C/O to 3560'.					
		11-Jan-89 Tag fill @ 3529'. Did not Clean out.					
		1-Oct-93 Administrative Order No. WFX-648. Approve Division Order No. R4019 & R-4020 for Waterflood Expansion.					
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		3-Nov-93 C/O f/ 3488'-3560'. Set pkr @ 3394' & acdd OH w/4,200 gals 20% NEFE HCL mixed w/ 220 gals Unichem TW425 mutual solvent. AIR=4 bpm. ISIP=vac. RIH w/pkr on CL tbg. Set pkr @ 2923'. Tst pkr. OK. Notified NMOCCD. SI.					
		19-Dec-93 WELL CONVERTED TO INJECTION - injecting into zones (3022 - 3234' & 3470 - 3560') at 316 bwpm, ISIP=vac.					
		17-Sep-97 POOH w/pkr & tbg. Found hole in 3rd jt f/ surface. Repaired leaking tbg head spacer spool. Ran Sonic Hammer tool w/ 5,000 gals 15% NEFE HCL & mutual solvent. Ran Baker AD-1 pkr on 93 jts of 2 3/8" CL tbg. Set pkr @ 2905'. Test PKR - OK. Initiated injection @ 265 bwpm.					
		2-Jun-05 POOH w/ pkr & tbg. Could not hydrotest cement lined tubing. RIH with new 2 3/8" IPC tubing and packer to 2,913'. Circulated with 70 bbls of packer fluid. Set packer. MIT annulus to 500 psig for 30 minutes did not test. Set PKR at 2,882'. MIT passed. Pulled pressure chart for OCD.					
<p>TOC @ 2415' By Calc.</p> <p>pkR @ 2882'</p> <p>Jalmat @ 2920'</p> <p>Yates @ 3020'</p> <p>3021'-3025'</p> <p>3027'-3063'</p> <p>3066'-3093'</p> <p>3098'-3128'</p> <p>3132'-3141'</p> <p>3143'-3150'</p> <p>3152'-3156'</p> <p>3159'-3164'</p> <p>3166'-3168'</p> <p>3170'-3174'</p> <p>3176'-3188'</p> <p>3192'-3196'</p> <p>3208'-3210'</p> <p>3202'-3234'</p> <p>7-Rivers @ 3240'</p> <p>3214'-3224'</p> <p>3225'-3227'</p> <p>3232'-3237'</p> <p>3244'-3247'</p> <p>3280'-3282'</p> <p>3284'-3293'</p> <p>3295'-3297'</p> <p>Langlie Mattix @ 3400'</p> <p>3355'-3360'</p> <p>3431'-3433'</p> <p>3442'-3445'</p> <p>3454'-3457'</p> <p>3462'-3464'</p> <p>3473'-3475'</p> <p>3495'-3497'</p> <p>3501'-3505'</p> <p>3508'-3510'</p> <p>3512'-3514'</p> <p>3517'-3519'</p> <p>3522'-3527'</p>		7-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,089'.					
		4-Feb-08 POOH w/ 2 3/8" IPC Tbg & 5 1/2" AD-1 PKR. RIH w/ 4 3/4" & 3 1/2" DCs on 2 7/8" TBG. Tagged @ 3,084'. C/O to 3,560'. Recovered scale & iron sulfide. RU Gray, ran Csg Insp log f/3,455' to surf & CNG/CCI f/3,551' to 2,400'. Hydrotest 2 3/8" IPC TBG set PKR @ 2,884'. Could not get a press test. POOH w/inj. string, PKR had a piece on rubber missing. Re-ran inj string - could not get a pressure test. Test csg w/RBP & PKR - could not get press test. RIH w/injection string. Could not get a press test. Hydrotest tbg string to 7000#. Found csg lk f/ 447' to 320'. Free Point showed csg free @ 132'. Laid down inj string. RIH w/ 3 1/2" Shoe, 1 joint and Float Collar. Landed Shoe @ 3,400'. Cemented w/ 170 sx Class C, w/ 6% gel; tailed w/ 70 sx Class C w/ 2% gel. Circ'd w/ 4 bbls cmt. Weld Flange on liner/csg. RIH w/ 2 3/4" Mill Tooth bit - drilled cmt f/ 2,900' to 3,548' w/ 5 bits. Recovered a bolt on the last bit. Ran Radial Bond Gamma Ray/CCL f/ 3,527' to surf. TOC @ 24'. Perf'd 7-Rivers f/ 3522'-3527', 17'-19', 12'-14', 08'-10', 01'-05', 3501'-05', 3495'-3497', 3473'-75', 62'-64', 54'-57', 42'-45', 3431'-33' & 3355'-3360'; Perf'd Yates f/ 3295'-3297', 3284'-93', 3280'-82', 3244'-47', 3232'-37', 25'-27', 14'-24', 3208'-10', 3192'-96', 76'-88', 70'-74', 66'-68', 59'-64', 52'-56', 42'-50', 3132'-41', 3098'-3128', 3066'-93', 3027'-63', & 3021'-3025'. Total Holes= 215, 1 JHPF. RIH with 3 1/2" Arrow Set 1X PKR on 2 3/8" IPC tbg. Set PKR @ 3008'. Pulled Press Chart for OCD.RIG up Cuatro: Pumped 1442 gals of 15% NEFE HCL acid. Initial rate @ 0,25 bpm, final rate= 2.0 bpm. Before Treatment: 150 bwpm at 1000 psig. After treatment: 335 bwpm @ 805 psig.					
PREPARED BY:		Larry S. Adams		Domingo Carrizales		UPDATED: 24-Sep-09	