

RECEIVED

AUG 27 2010

HOBBSOCD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09638
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No. NM 12612
7. Lease Name or Unit Agreement Name NM 70962X Cooper Jal Unit
8. Well Number 122
9. OGRID Number 192003 263848
10. Pool name or Wildcat Jalmat; Tans, Yates, 7R/ LM; 7R, Q, Grayburg

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 <u>Injector</u>	
2. Name of Operator Resaca Operating Company	
3. Address of Operator 2600 W. I-20, Odessa, TX 79763	
4. Well Location Unit Letter <u>A</u> : <u>330</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</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.) 3320' 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: Perform Step-Rate Test.



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.

Objective: Perform Step-Rate Test

- 1) Shut well in 24 hours prior to test.
- 2) R. U. Arc Pressure Data, Inc.
- 3) RIH with pressure bomb and locate at mid-perfs.
- 4) Start injection at 100 bwpd for 1 hour.
- 5) Ramp rates up at 100 – 200 bwpd increments per hour.

Note: Obtain at least 3 points before parting pressure and 3 – 4 points after parting pressure.

Note: Maximum rate should be 1500 bwpd.

- 6) POOH with pressure bomb. R. D. Arc Pressure Data, Inc.
- 7) Place well on injection at 400 bwpd.

Approval for Step-Rate testing only Cannot increase pressure until the OCD Santa Fe office has approved Step-Rate test and application for Injection pressure increase

Spud Date:

6/1/54

Rig Release Date:

8/31/2010

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

SIGNATURE

TITLE

District Engineer

DATE

8/26/2010

Type or print name

Domingo Carrizales

E-mail address:

Domingo.Carrizales@teai.com

PHONE:

(432)580-8500

For State Use Only

APPROVED BY:

TITLE

STAFF MGR

DATE

8-30-10

Conditions of Approval (if any):

PM

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		Cooper Jal Unit		WELL NO 122 WIW			
Surface Csg Hole Size 11 in Csg Size 8 5/8 in Set @ 280 ft Sxs Cmt 150 Circ Yes TOC @ surf TOC by circ Tie Back at 149' 5 1/2" Csg TOC @ 600' BY Calc DV Tool @ 1200' TOC @ 2273' by 80% Calc By Calc pkc @ 2937' Yates @ 3019' Jalmat 3020'-52' 3069'-89' 3103'-20' 3133'-46' 3152'-82' 3188'-98' 7-R @ 3247' 3237'-45' 3297'-3307' 3324'-29' 3341'-43' 3360'-68' 3370'-72' 3376'-82' 3385'-88' Langlie Mattix 3406'-08' 3420'-21' 3430'-35' 3438'-44' 3452'-55' 3459'-61' OH Interval 3465'-3552' Fill at 3469' Queen @ 3610' PBTD 3552 ft TOF @ 3515' OH ID 4 3/4 in		LEASE NAME		STATUS		WELL NO 122 WIW	
				Active		API# 30-025-09638	
		LOCATION		330 FNL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico			
		SPUD DATE		TD 3552		KB 3,321' DF	
INT COMP DATE		06/18/54 PBTD 3552		GL 3,311'			
		ELECTRIC LOGS		GEOLOGICAL DATA			
		GR-CCL (12-2-93 Halliburton)		CORES, DSTS or MUD LOGS			
		Injection Profile log (4-20-95 Houston, Inc.)					
		GR-N from 100 - 3553' (6-14-54 Schlumberger)					
		HYDROCARBON BEARING ZONE DEPTH TOPS					
		Yates @ 3019' 7-Rivers @ 3247' Queen @ 3610'					
		Casing Profile					
		SURF. 8 5/8" - 32#, J-55 set@ 280' Cmt'd w/150 sxs - circ cmt to surf.					
		PROD. 5 1/2" - 14#, H-40 set@ 3465' Cmt'd w/200 sxs - TOC @ 2265' f/ surf by calc DV tool @ 1200' - pmp 100 sxs					
		LINER None					
				5 1/2" - TOC @ 600' by calc			
		CURRENT PERFORATION DATA					
		CSG. PERFS:		Open Hole: 3465'-3552'			
		Interval	Net feet	No holes			
		3020 - 52'	32	64	3324'-29' 5 11		
		3069 - 89'	20	40	3341'-43' 2 5		
		3103 - 20'	17	34	3360'-68' 8 17		
		3133 - 46'	13	26	3370'-72' 2 5		
		3152 - 82'	30	60	3376'-82' 6 13		
		3188 - 98'	10	20	3385'-88' 3 7		
		3237 - 45'	8	16	3406'-08' 4 5		
		3297 - 3307'	10	20	3420'-21' 4 5		
				280	3430'-35' 5 11		
					3438'-44' 12 13		
					3452'-55' 6 7		
					3459'-61' 6 7		
		Perf'd w/2 spf, 120 deg phasing, 46" dia hole					
		TUBING DETAIL		ROD DETAIL			
		10/31/2003					
		Length (ft)	Detail				
		10 KB					
		2927 93	2 3/8" 4 7#, CPL, J-55, 8rd EUE tbg				
		3 1	5 1/2" x 2 3/8" Baker Model AD-1 packer				
		2940 btm					
		WELL HISTORY SUMMARY					
		18-Jun-54 Initial completion interval: 3465 - 3552' (Lower 7 Rivers OH). Frac'd w/4,000 gals oil & 6,000#s sand. IP=254 bopd, 0 bwpd & 222 Mcf/gpd (flowing)					
		09-Jun-56 Placed well on rod pump					
		05-May-71 Converted well to injection: C/O fill rom 3535 - 3546'					
		10-Feb-84 C/O to 3552' (TD) Installed new IPC tbg					
		29-Nov-93 C/O f/ 3479'-3554' Set pkr @ 3399' & acdz OH 3465'-3552 w/4,200 gals 20% HCL & 168 gals TW-45 in 4-stages using 1,900#s RS as diversion PM=4,000'-700 psi, AIR=4 bpm. Ran GR-CCL f/ 3300'-2800'. Perf'd Yates f/ 3030'-3307' w/2 spf (280 - .46" holes) Set pkr@ 2890' & acdz perfs (3020 - 3307') w/ 4,200 gals 20% NEFE HCL and TW- 425 dropping 300 7/8" RCN BCs PM=2400 - 650 psi, AIR=4.5 bpm no good ball action, ISIP=650 psi, P2min= vacuum RIH w/ pkr on IPC tbg and set pkr @ 2962' Placed well on injection @ 450 bwpd (avg), TP=vacuum					
		14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar) Tag fill @ 3056' (496' of fill).					
		02-Sep-03 POOH w/ IPC tbg & laid down 4 1/2" AD-1 PKR. Tallied in hole w/2 7/8" work string & set RBP at 3000' Test RBP to 500 psi - held. Ran GR/CBL f/ 2990' to 151' - TOC at 160'. Sling shot 5 1/2" csg at 149' Recovered 149' of csg Ran new 5 1/2" casing, tie back at 149' onto old 5 1/2" casing Pressure casing to 500 psi - held Perf'd 7-Rivers (Jalmat) f/ 3324'-3388', Perf'd 7-Rivers (Langlie Mattix) f/ 3406'-3461'. Total feet 45, total holes 102. Treated perfs w/ 280 bbls surfactant water & 3000 gals of 15% NEFE HCL acid via PerfClean Tool Cleaned out with 3 1/2" bailer from 3453' to 3468". RIH with 5 1/2" AD-1 packer while hydrotesting 2 3/8" IPC tbg to 7000 psig. Set PKR 2962', pressure test to 500 psi - held. Placed on injection at 300 BWPD at 0 psi					
		01-Oct-93 Administrative Order No. WFX-648. Approve Division Order No. R-4019 & R-4020 for Waterflood Expansion.					
		30-Oct-03 Had pressure on annulus Reset packer - test W/O success. POOH w/ 2 3/8" IPC tbg & 5 1/2" AD-1 packer Redressed packer RIH w/ 5 1/2" Ad-1 packer on 93 - 2 3/8" IPC tubing to 2927. Circulated w/ 70 barrels of 2% KCl plus inhibited packer fluid Set 5 1/2" AD-1 packer w/ 23,000# tension Pressure to 500 psig - held. Pulled a pressure chart OCD.					
		02-Dec-04 Before Rate & Pressure: 353 bwpd at 290 psig. RIH w/ 1 1/4" Perf-Clean Tool on 1 1/4" Coiled Tbg Unit washed perforations & open hole f/ 2940' to 3511' TP=3500 psig, Annulus Press=480 psig Acidize same interval w/ 4200 gallons 15% NEFE HCL acid via PerfClean Tool TP= 4800 psig, Annulus Pressure= 480 psig POOH & laid down Perf-Clean Tool. After Rate & Pressure: 286 bwpd at 0 psig.					
		07-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,469'.					
		21-Apr-09 RU Gray WL. Tagged @ 3,338' w/ caliper RD Gray WL Placed well on injection Rate/Press: 608 bwpd/642#.					
		PREPARED BY		UPDATED			
		Larry S. Adams		Domingo Carrizales			
				19-May-09			