

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

June 19, 2008

RECEIVED

AUG 27 2010

HOBBSOCD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.	30-025-09641
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	141560
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	135
9. OGRID Number	24401
10. Pool name or Wildcat	Jalmat; Tans-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
2600 W. I-20, Odessa, TX 79763

4. Well Location
Unit Letter O : 990 feet from the South line and 1980 feet from the East line
Section 24 Township 24S Range 36E NMPM Lea County ✓

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3318' KB

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:

5/4/54

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

Domingo Carrizales

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:

Domingo Carrizales

TITLE

STAFF MGR

DATE 8-30-10

Conditions of Approval (if any):

7-10

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO 135 WIW	
		STATUS		Active		Water Injector	
		LOCATION		990 FSL & 1980 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		API# 30-025-09641	
		SPUD DATE		02/14/54 TD		KB 3,318' DF	
		INT COMP DATE		03/01/54 PBD		GL 3,312'	
		ELECTRIC LOGS		GEOLOGICAL DATA		CORES, DST'S or MUD LOGS	
		Micro Laterolog (2-23-54 Schlumberger)					
		GR-CNLI (8-25-86 Dresser Atlas)					
		GR-VDR-CBL (8-25-86 Dresser Atlas)					
		HYDROCARBON BEARING ZONE DEPTH TOPS					
		Yates @ 3017'		7-Rivers @ 3236'		Queen @ 3609'	
		CASING PROFILE					
		SURF 8 5/8" - 28#, J-55 set @ 290' Cmt'd w/125 sxs - circ cmt to surf					
		PROD 5 1/2" - 14#, J-55 set @ 3472' Cmt'd w/400 sxs - TOC @ 2728' from surf by cement bond log					
		LINER None					
		CURRENT PERFORATION DATA					
		CSG. PERFS:		OPEN HOLE		3472 - 3650'	
		Perfs Yates (Jalmat): 3019', 22, 24, 26, 28, 30, 32, 59, 62, 70, 72, 74, 76, 82, 93, 97, 3102', 06, 09, 16, 27,					
		30, 38, 45, 51, 56, 65, 70, 76, 83, 90, 94, 3201', 03 w/ 2 spf (84 holes total)					
		Perf'd 7-Rivers (Jalmat) f/ 3285' - 3302' & 3358 - 62' w/ 1 spf (21 holes total)					
		TUBING DETAIL 4/5/1999		ROD DETAIL			
		Length (ft)		Detail			
		6 KB					
		2923 90		2 3/8" 4 7#, CL, J-55, 8rd EUE tbg.			
		3 1		5 1/2" x 2 3/8" Baker Model AD-1 packer			
		2932 btm					
		WELL HISTORY SUMMARY					
		1-Mar-54 Initial completion interval 3472 - 3575' (7 RVRs/Queen OH). Natural completion					
		IP= 51 bopd, 0 bwpd, & 72 Mcf/gpd (flowing)					
		9-Sep-54 Frac w/ 4,000 gals lse oil & 4,000#s sand					
		15-Jun-73 Placed well on rod pump					
		8-Oct-74 C/O fill to 3575'. Jetwash OH 3472 - 3575'					
		11-Feb-75 Tagged for fill - No fill.					
		29-Aug-86 C/O OH 3480'-3575' (95' fill) Deepened to 3650'. Ran CBL, TOC @ 2728'. Acid'd OH (3472'-3650') w/2,000 gals, Frac'd w/					
		34,000 gals X-L gel carrying 80,000#s 12/20 sand in 2 equal stages Max sand conc. of 7 ppg. C/O to 3650'					
		30-Sep-86 Perf (Jalmat) f/ 3019'-3210' w/ 2 spf, (84 holes total) & 3285 - 3362' w/ 1 spf (21 holes total). Acid'd all open perfs w/					
		2 000 gals; Frac w/ 30,000 gals X-L gel carrying 50,000#s 12/20 sand in 2 equal stages using RS diversion Max sand					
		concentration 7 ppg C/O to 3650' Lost RBP in OH. Top @ 3530'					
		CONVERTED TO COMINGLED DOWNHOLE INJECTOR. (Jalmat & Langlie Mattix)					
		13-Feb-87 C/O OH fill from 3472 - 3524' (52' fill). PBD @ 3524'					
		9-Sep-87 C/O OH fill from 3495 - 3524' (29' fill). PBD @ 3524'					
		22-Jul-88 C/O OH fill from 3475 - 3524' (49' fill). PBD @ 3524'					
		01-Oct-93 Administration Order No-648. Approved Order No. R2019 & R-4020 for Waterflood Expansion.					
		15-Nov-93 Replaced 2 jts tbg & rod pmp Placed well on production.					
		9-Jan-94 Ran 91 jts - 2 3/8" tbg & pkr Set pkr @ 2956'.					
		05-Dec-94 LD rods & pmp (junk) C/O to 3524' (scale & formation), Tagged solid @ 3524' Acid'd perfs & OH w. 8,400 gals 20% NEFE HCl					
		acid mixed w/ 170 gals xylene using 5,600#s RS generating 8 stages AIR=3 bpm PM=500-126 psi. ISIP= 280 psig P5min=					
		vacuum. Ran 2 3/8" CL tbg & pkr Set pkr @ 2956' Inject @ 933 bwpd, TP=vacuum.					
		02-Apr-99 Reset pkr @ 2925'. Tst csg & pkr @ 500 psi OK. Initiate injection @ 580 bwpd, TP=580 psi.					
		14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3524' (137' of fill)					
		07-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,265'.					
		24-Mar-08 POOH w/ 2 3/8" IPC tbg & 5 1/2" AD-1 PKR RIH w/ 4 3/4" bit & DCs, tagged @ 3157'. Cleaned out to 3530'. RIH w/ 5 1/2" AD-1 &					
		IPC tbg Circulated w 70 bbls 2% KCl. Set PKR @ 2923', press annulus to 420 psig for 30 minutes					
		10-Jul-08 Acid treat Jalmat & langlie Mattix with 3,096 gals 15% NEFE HCl AIR= 4 5 bpm Pavg= 1590 psi, ISIP= 920 psi Prior Rate/Press=					
		389 bpd @ 949 psi. After Rate/Press: 485 bpd @ 790 psi.					
		27-Apr-09 RU Gray Wireline. Tagged @ 2,962' w/ logging tool RD wireline. Place well on injection. Rate/Press: 441 bwpd/904#.					
		TOC @ 2728'					
		By CBL					
		pkf @ 2923'					
		Jalmat					
		Yates @ 3017'					
		3019 - 3097'					
		3102 - 3194'					
		3201, 03, & 10'					
		7-R @ 3236'					
		3285 - 3302'					
		3358 - 3362'					
		Langlie Mattix					
		OH Interval					
		3472 - 3650'					
		Fill at 3,265'					
		Production Csg.					
		Hole Size 7 7/8 in					
		Csg Size 5 1/2 in					
		Set @ 3472 ft					
		Sxs Cmt 400					
		Circ No					
		TOC @ 2728 f/ surf					
		TOC by CBL					
		PBD 3530 ft					
		TD 3650 ft					
		OH ID 4 3/4 in					
		Fill at 3524'					
		CIBP pushed into					
		OH to 3530'					
		Q @ 3609'					
		PREPARED BY		Larry S. Adams		Domingo Camzales	
		UPDATED		20-May-09			