

District I

1625 N French Dr, Hobbs, NM 87401

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

RECEIVED

AUG 27 2010

HOBBSDOCD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09636
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 141560
7. Lease Name or Unit Agreement Name Cooper Jal Unit
8. Well Number 126
9. OGRID Number 241401 263848
10. Pool name or Wildcat Jalmat; Tans-Y-7R
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3320' KB

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 G : 1650 feet from the North line and 2310 feet from the East line
Section 24 Township 24S Range 36E NMPM Lea County ✓

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: [Signature] TITLE State MGR DATE 8-30-10

Conditions of Approval (if any):

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WELLBORE SCHEMATIC AND HISTORY									
CURRENT COMPLETION SCHEMATIC			LEASE NAME			Cooper Jal Unit		WELL NO 126 WIW	
			STATUS			Active		Water Injector	
			LOCATION			1650 FNL & 2310 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		API # 30-025-09636	
			SPUD DATE			TD		3560	
			INT COMP DATE			05/13/54		P/BD	
						3560		GL 3,311'	
<div>Surface Csg</div> <div>Hole Size 12 1/4 in</div> <div>Csg Size 8 5/8 in</div> <div>Set @ 280 ft</div> <div>Sxs Cmt 125</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div> <div>TOC @ 24' by CBL</div> <div>TOC @ 680' by calc</div> <div>TOC @ 2415' By Calc</div> <div>pkf @ 2882'</div> <div>Jalmat @ 2920'</div> <div>Yates @ 3020'</div> <div>3021'-3025'</div> <div>3027'-3063'</div> <div>3066'-3093'</div> <div>3098'-3128'</div> <div>3132'-3141'</div> <div>3143'-3150'</div> <div>3152'-3156'</div> <div>3159'-3164'</div> <div>3166'-3168'</div> <div>3170'-3174'</div> <div>3176'-3188'</div> <div>3192'-3196'</div> <div>3208'-3210'</div> <div>3202'-3234'</div> <div>7-Rivers @ 3240'</div> <div>3214'-3224'</div> <div>3225'-3227'</div> <div>3232'-3237'</div> <div>3244'-3247'</div> <div>3280'-3282'</div> <div>3284'-3293'</div> <div>3295'-3297'</div> <div>Langlie Mattox @ 3400'</div> <div>3355'-3360'</div> <div>3431'-3433'</div> <div>3442'-3445'</div> <div>3454'-3457'</div> <div>3462'-3464'</div> <div>3473'-3475'</div> <div>3495'-3497'</div> <div>3501'-3505'</div> <div>3508'-3510'</div> <div>3512'-3514'</div> <div>3517'-3519'</div> <div>3522'-3527'</div> <div>OH Interval 3470 - 3560'</div> <div>PBTD @ 3548'</div> <div>OHID ### in</div> <div>Queen @ 3620'</div>			<div>GEOLOGICAL DATA</div> <div>GR-N (5-11-54 Schlumberger)</div> <div>GR-CCL (2-3-87 Rotary Wireline)</div> <div>Injection Profile (4-21-95 Houston, Inc)</div> <div>Borehole Analysis Casing Insp Log (2/7/08 CN/GR/CCL (2/7/08 Gray WL))</div> <div>Radial Bond GR/CCL (2/29/08 Gray WL)</div> <div>Injection Profile (3/14/08 Gray WL)</div> <div>HYDROCARBON BEARING ZONE DEPTH TOPS</div> <div>Yates @ 3020'</div> <div>7-Rivers @ 3240'</div> <div>Queen @ 3620'</div> <div>CASING PROFILE</div> <div>SURF 8 5/8" - 24#, J-55 set @ 280' Cmt'd w/125 sxs - circ cmt to surf</div> <div>PROD 5 1/2" - 14#, J-55 set @ 3470' Cmt'd w/200 sxs - TOC @ 2415' from surf DV tool @ 1206' - pmp 100 sxs -</div> <div>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</div> <div>5 1/2" - TOC @ 680' f/ surf by calc</div> <div>CURRENT PERFORATION DATA</div> <div>CSG PERFS</div> <div>OPEN HOL 3470 - 3560' Behind Liner</div> <div>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'</div> <div>18-Feb-87 Perf'd Seven Rivers: from 3202,17,19,21,23,32, & 34 w/2 spf (60 holes total)</div> <div>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'</div> <div>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</div> <div>TUBING DETAIL 3/4/2008</div> <div>ROD DETAIL</div> <div>Length (ft)</div> <div>Detail</div> <div>9 KB</div> <div>3005 96 2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg</div> <div>3 1 5 1/2" x 2 3/8" Baker Model AD-1 packer</div> <div>3017 btm</div> <div>WELL HISTORY SUMMARY</div> <div>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 bwppd & 672 Mcfgpd (flowing)</div> <div>25-Jun-74 C/O to TD @ 3560'. Acdd'd w/4,000 gals in 3 stages</div> <div>22-Aug-75 C/O to 3560'. Acdd' w/1,500 gals (Dunning job, after RS blocks) Frac w/34,000 gals X-L gel, 30,000#s 20/40 sand and 10,000#s 10/20 sand (3 stages, w/RS blocks, max conc 1.5 ppg) C/O to 3560'.</div> <div>18-Feb-87 C/O LM OH 3470'-3560' (90'-fill) Set BP @ 3394' Perf Jal 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/ 4M gals Frac'd w/ 33,600 gals X-L gel & 50,000#s 12/20 sd (2 stages w/BS, max conc 5 ppg) Rls BP, C/O to 3560'</div> <div>11-Jan-89 Tag fill @ 3529'. Did not C/O</div> <div>1-Oct-93 Administrative Order No WFX-648, Approve Division Order No. R4019 & R-4020 for Waterflood Expansion.</div> <div>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</div> <div>19-Dec-93 WELL CONVERTED TO INJECTION - injecting into zones (3022 - 3234' & 3470 - 3560') at 316 bwpm, ISIP=vac</div> <div>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 bwppd</div> <div>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</div> <div>7-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,089'.</div> <div>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 bwppd at 1000 psig After treatment: 335 bwppd @ 805 psig.</div>						