

Submit 3 Copies To Appropriate District
Office
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 87401
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

RECEIVED

OIL CONSERVATION DIVISION

AUG 27 2010

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

HOBBSOCD

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.)		WELL API NO. 30-025-09639 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Injector		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Resaca Operating Company		6. State Oil & Gas Lease No. 141560
3. Address of Operator 2600 W. I-20, Odessa, TX 79763		7. Lease Name or Unit Agreement Name Cooper Jal Unit ✓
4. Well Location Unit Letter <u>I</u> : <u>2310</u> feet from the <u>South</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 <u>Lea</u> County <u>✓</u>		8. Well Number <u>132</u> ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL 3307'		9. OGRID Number <u>263848</u> ✓
		10. Pool name or Wildcat Jalmat; Langlie Mattix

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:

4/8/54

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):

75

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME	
<div>Surface Csg</div> <div>Csg Size 8 5/8 in</div> <div>Sxs Cmt 124</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div> <div>283'</div> <div>283'</div> <div>TOC @ 685'</div> <div>by calc</div> <div>OV Tool @ 1211'</div> <div>TOC @ 2420'</div> <div>By Calc</div> <div>XX</div> <div>XX</div> <div>Pkr @ 2926'</div> <div>Jalmat</div> <div>Yates @ 3016'</div> <div>3024'-42'</div> <div>3046'-54'</div> <div>3066'-83'</div> <div>3095'-3112'</div> <div>3118'-222'</div> <div>3124'-34'</div> <div>3148'-70'</div> <div>7-R @ 3212'</div> <div>3212'-16'</div> <div>3282'-93'</div> <div>Langlie Mattix</div> <div>3466'-74'</div> <div>OH Interval</div> <div>##</div> <div>Queen @ 3628'</div> <div>PBTD 3265 ft</div> <div>TD 3640 ft</div> <div>OH ID ### in</div>		Cooper Jal Unit	
		WELL NO 132 WIW	
		API# 30-025-09639	
		STATUS Active Water Injector	
		LOCATION Z310 FSL & 990 FEL, Sec 24, T - 24S R - 36E Lee County New Mexico	
SPUD DATE 04/05/54 TD 3640 KB 3315' DF			
INT COMP DATE 05/12/54 PBTD 3265 GL 3307			
ELECTRIC LOGS			
GEOLOGICAL DATA			
CORES, DST'S, or MUD LOGS			
GR-N from 0 - 3556' (4/25/54 Schlumberger)			
GR-CBL-MSG-CCL from 2,000 - 3,300' (6-7-95 Halliburton)			
Injection Profile (1-29-97 Houston, Inc)			
HYDROCARBON BEARING ZONE DEPTH TOPS			
Yates @ 3016' 7-Rivers @ 3236' Queen @ 3628'			
CASING PROFILE			
SURF 8 5/8" - 24#, J-55 set@ 283' Cmt'd w/124 sxs - circ cmt to surf			
PROD 5 1/2" - 14#, J-55 set@ 3475' Cmt'd w/400 sxs - TOC @ 2420' from surf DV tool @ 1211' - pmp 100 sxs -			
LINER None 5 1/2" - TOC@ 685' // surf by calc			
CURRENT PERFORATION DATA			
CSG PERFS OPEN HOLE 3475 - 3555' (7 RVRS/Queen OH).			
1-Jun-95 Perf'd Yates // 3024'-42', 3066'-83', 3095'-3112', 3125'-33' & 3148'-70' w/2 spf (164 holes total)			
26-Jan-09 Perf'd 7-R // 3466'-74', 3282'-93', 3212'-16', Perf'd Yates // 3152'-70', 3124'-34', 3118'-22', & 3046'-54',			
75 ft, 75 holes, 1 JHPF			
TUBING DETAIL 1/28/2009			
ROD DETAIL			
Length (ft) Detail			
8 KB			
2915 98 lbs - 2 7/8" 6 5#, CL, J-55, 8rd EUE tbq			
3 1- 5 1/2" x 2 7/8" Baker Model AD-1 packer			
2926 btm			
WELL HISTORY SUMMARY			
12-May-54 Initial completion interval 3475 - 3555' (7 RVRS/Queen OH). Frac'd w/4,000 gals & 0 #s sand Burst csq @ 280', Cement sqz csq leak w/200 sxs (3 jobs) Tst OK @ 875 psi Frac'd w/4,000 gals & 6,000#s sand IP = 173 bopd, 245 Mcrpd (flowing).			
11-Apr-76 Acdd'd OH w/ 1,500 gals. Tight spot in csq @ 210'			
18-Feb-85 C/O fill from 3473 -3555' (82' of fill) Deepened to 3640', Acdd'd OH 3475 -3640' w/4,000 gals in 2 stages using 500# rock salt Frac'd w/22,000 gals X-L gel & 56,000#s 12/20 sand ramping to 6 ppg			
11-Mar-87 C/O fill to 3640'			
21-Apr-87 C/O fill to 3628'			
15-Apr-88 Tag fill @ 3628'			
01-Oct-93 Administrative Order No. WFX-648. Approved Division Order No. R-4019 & R-4020 for Waterflood Expansion.			
01-Dec-93 CONVERTED TO INJECTOR: C/O from 3508 - 3640' Acdd'd OH w/4,000 gals 20% NEFE combined with 110 gals UT-460 & 110 gals T-425 microlluar solvent & 1400#s rock salt AIR=3 bpm @ 900 psi ISIP=680 psi RIH w/ CL tbq & pkr Set pkr @ 3370' Noted pkr is 105' above hole in csq Inject @ 263 bwppd w/ TP=vacuum.			
01-Jun-95 Ran GR-CBL-CCL Perf (Jalmat) 2950 - 3170 (selectively). Acdd'd w/5,000 gals 15% NEFE HCL 8250 RCN ball sealers in 6 stages Ran 2 3/8" CL tbq & pkr Set pkr @ 2962' Tst pkr OK Inject @ 481 bwppd w/ TP=580 psi. Converted to DHC injector w/ Pmax surf injection press = 590 psi.			
28-Jun-00 C/O hard scale from 3145 - 3370' Set CIBP @ 3300' and dmp 35' cmt on top (PBTD @ 3265') Acdd'd perfs 3024'-3170' w/ 4,000 gals 15% NEFEHCL & 2,000#s rocksalt in 3 stages AIR=4 bpm @ 1380 psi ISIP=570 psi, P15 min= 140 psig Ran pkr on 2 3/8" CL tbq & set pkr @ 2955' Injecting @ 250 bwppd, TP=160 psi.			
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar) Tag fill @ 129' (3511' of fill)			
14-Oct-03 Btadenhead Test failed Bled CSG dn to 0 psi Si for 15 min-press build up to 500# Witnessed by OCD Rep-Buddy Hill			
28-Oct-03 POOH with 2 3/8" IPC tbq & 5 1/2" x 2 3/8" AD - 1 packer Laid down 2 3/8" IPC tbq Clean out to 3265' POOH and laid down with 4 3/4" bit, 6 - 3 1/2" dnll collars RIH with redressed 5 1/2" x 2 3/8" AD-1 packer on reconditioned 90 - 2 3/8" IPC tubing to 2954' Packer would not test Set packer at 2925', would not test POOH with injection string Test casing to 500 psig - held RIH with injection string to 2931' Circulated annulus with 70 barrels of 2 % KCl & inhibited packer fluid Set Packer with 20,000# tension Test casing to 500 psig - held Pulled pressure chart for OCD			
07-Nov-05 RIH with 1 1/4" sinker bar and tagged at 3,272' (PBTD).			
20-Jan-09 POOH w/2 3/8" IPC tbq & 5 1/2" x 2 3/8" AD - 1 packer RIH w/ 4 3/4" bit & DCs Drilled cmt & CIBP @ 3300' C/O to 3640' Lost Perf Gun in open hole. Fished Perf Gun Perf'd 7-R // 3466'-74', 3282'-93', 3212'-16'; Perf'd Yates // 3124'-34', 3118'-22', & 3046'-54', 75 ft, 75 holes, 1 jspf, 120 degree phasing Test annulus to 350 psig			
24-Apr-09 RU Gray WL Tagged @ 37' w/ logging tool RD wireline Placed well on injection Rate/Press: 781 bwppd.694#.			
PREPARED BY Larry S Adams D. Carrzales			
UPDATED 20-May-09			