

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
1220 South St. Francis Dr.
Santa Fe, NM 87505
AUG 27 2010
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. 30-025-09787 ✓
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" 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>K</u> : <u>2310</u> feet from the <u>South</u> line and <u>2310</u> feet from the <u>West</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>211</u> ✓
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3313' GL		9. OGRID Number <u>263848</u> ✓
		10. Pool name or Wildcat <u>Jalmat; Tans, Yates, 7R/ LM; 7R, Q, Grayburg</u>

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:

3/14/50

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:

E. Carrizales

TITLE

STAFF MGR

DATE

8-30-10

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY				
CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO
		Cooper Jal Unit		211 W
		STATUS		API#
		Active		30-025-09787
		LOCATION		
		2310 FSL & 2310 FWL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico		
SPUD DATE		TD	KB	3,325'
INT COMP DATE		04/04/50	PBTD	3600
			GL	3,312'
ELECTRIC LOGS.				
Injection Profile (3-18-97 Houston Inc)				
Injection Profile (5-4-95 Houston Inc)				
CORES, DST'S or MUD LOGS.				
GR-DSN-DLL from 3600 - surface (2-1-94 Halliburton)				
GR-DSN-SDL from 3600 - 3001' (2-1-94 Halliburton)				
GR- Compensated Sonic from 3600 - 3001' (2-1-94 Halliburton)				
HYDROCARBON BEARING ZONE DEPTH TOPS.				
Yates @ 3018'				
7-Rivers @ 3235'				
Queen @ 3605'				
CASING PROFILE				
SURF 8 5/8" - 29 75#, J-55 set@ 302' Cmt'd w/125 sxs - circ cmt to surface				
PROD 5 1/2" - 14#, J-55 set@ 3001' Cmt'd w/400 sxs - TOC @ 895' from surface by calculation				
LINER 4" - 10 46# Hydnil F J set at 2970', Cemented with 200 sx Class C to surface				
CURRENT PERFORATION DATA				
CSG PERFS				
OPEN HOLE				
3001 - 3400'				
TUBING DETAIL 1/23/2009				
ROD DETAIL				
Length (ft) Detail				
0 KB				
2921 92 2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg				
3 1 4" x 2 3/8" Baker AD-1 packer				
2924 btm				
WELL HISTORY SUMMARY				
04-Apr-50 Initial completion 3001 - 3244' (Yates OH): No stimulation IP=56 bopd, 0 bwpd, & 53 Mcfgpd. (flowing)				
09-Sep-54 Frac OH w/2,000 gals lse oil carrying 3,000#s sand Re-frac OH w/14,000 gals lse oil carrying 18,000#s sand				
14-Jul-57 C/O to 3244' & place on pmp				
22-Feb-59 C/O to 3244' (No report on location of fill)				
17-Nov-70 CONVERTED TO INJECTOR: C/O fill to 3244'.				
07-Jul-89 C/O fill from 3030 - 3244' (214') Acid'd OH w/4,000 gals 15% NEFE HCL in 4 equal stages diverting w/500# rock salt blocks Ran PKR on 2 3/8" CL tbg Placed well on injection @ 445 bwpd, TP=875 psi.				
11-Jan-94 RIH 4 3/4" bit, 12 - 3 1/2" OD DCs Tagged @ 3235', getting returns out of bradenhead Found holes in 5 1/2" csg' At 320' to 350' Sqzd w/ 150 sacks class "c" w/2% Circ'd w/ 22 sxs cmt Drilled & test sqzd to 500#-held Tagged junk at 3255' Drilled junk & deepened well to new TD of 3600'. Ran GR-MSFL-DLL, GR-DSN-SDL, & GR-Borehole Compensated Sonic Logs Acid'd OH w/ 8,400 gals 20% NEFE HCL Well DHC Injection (Jal & L M) Begin injection @ 339 bwpd @ 450 psig				
04-May-95 Ran injection profile Results 73% fluid - 3060 -70', 11% fluid - 3300-11', & 16% fluid - 3528-43'				
06-Mar-97 Tagged fill @ 3538' (62') Dumped sand in OH & PB f/ 3538 - 3420'. Dmp cmt f/ 3420-3400'. Acid'd OH (3001'-3400') w/ 4,000 gals 15% using N2 foam as diverter using coiled tubing AIR (fluid)=1 2 bpm Ran PKR on 2 3/8" CL tbg Set PKR @ 2952' Test casing - good test Initiated injection @ 486 bwpd, TP=250 psi.				
14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar) Tag fill @ 3048' (352' of fill)				
23-May-02 Wash w/surfactant H2O 3 passes & wash w/acid Pump w/1240 gals Pmp, flush w/ acid Flow Bk Put on Inj @ 200 BWPD				
01-Oct-93 Administrative Order No. WFX-648. Approved Division Order No. R-4019 & R-4020 for Waterflood Expansion.				
17-Nov-03 POOH w/ 2 3/8" IPC tbg & AD-1 pkr RIH w/ 4 3/4" bit, 6 3 1/2" DCs & tagged @ 3148' C/O to 3400' Located 5 1/2" csg lk between 325' to 356' Sqzd w/200 sx Class C Neat w/2% CaCl Hesitation sqz - final press was 330 psig, dropped 200# in 5 minutes Drilled cmt f/ 230' to 300' Test sqz to 500 psig - bled to 300# in 5 minute Recovered RBP RIH w/ 5 1/2" Baker AD-1 Tension packer and set 2901'. Pressure annulus to 500 psig Pull pressure chart for OCD filing				
26-Jan-04 POOH w/ 2 3/8" IPC tbg & lay down AD-1 pkr RIH w/ 4 45" Junk Basket & CCL on W/L Found end of csg @ 3001' RIH w/ Composite Bndge Plug & set @ 2980' RIH w/72'-4" Lnr Cmt w/ 200 sx Class C Neat cmt, circ'd w/ 34 bbis cmt Test 5 1/2" csg to 500# - did not held D/O wiper plug, float shoe, & tagged Composite Bndge Plug @ 2970' Test 4" lnr to 500# - held Composite Bndge Plug & tagged @ 3400' Circ'd clean & laid down work string & BHA RIH w/ 4" Baker Model AD-1 PKR Hydrotest tbg to 5000# Locate PKR @ 2962', circ annulus w/ 50 bbis of inhibited 2% KCl wtr Set PKR & test annulus to 500# - held. PBTD @ 3400'. Pulled chart for OCD Pnor rate & press S/I. After rate & press 230 BWPD @ 420 psig.				
25-Mar-04 Pumped 30 bbis surfactant water Acidized with 1000 gals 15% NEFE acid @ 2 5 BPM Flushed with 12 5 bbis water Pnor rate & pressure 288 BWPD @ 700 psig. After rate & pressure 255 @ 500 psig.				
04-Dec-04 Before Rate & Press: 279 bwpd at 820 psig. RIH w/1 1/4" Perf-Clean Tool on 1 1/4" CT Washed OH (2975'-3400') w/ surfactant 2% KCl fresh water Made 3 passes TP= 3500#, Annulus Press= 100# Acidized open hole (2975'-3400') w/ 4200 ga 15% NEFE HCl Made 3 passes TP= 3700psig, Annulus Press= 960#, ISIP= 770# After Rate & Press: 208 bwpd @ 500 psi				
08-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,092'.				
18-Apr-08 POOH w/inj String & AD-1 PKR RIH w/3 1/4" on 2 3/8" tbg, tagged fill @ 3107' Bit kept plugging up RIH w/Notch Collar C/O f 3107" to 3251", circ'd form & oil Next day tagged at 3251', C/O to 3400'. RIH w/ 4" AD-1 PKR on 2 3/8" CL tbg Discovered cra in cement line through out tubing string Laid down 91 joints CL tubing RIH w/ AD-1 PKR on new 2 3/8" IPC tubing Set PKR at pressure annulus to 420 psig for 30 minutes Pulled chart for OCD				
21-May-08 Acidized Jalmat w/ 71 bbis 15% NEFE HCl acid 3000# rock salt & d 29 Tons of CO2 Rate = 7 8 bpm @ 2827 psi ISIP = 751 ps				
Before Rate & Press: 253 bwpd at 733 psig. After Rate & Press: 341 bpd @ 680 psi.				
20-Jan-09 POOH with injection string & AD-1 PKR RIH with 3 1/4" on 2 3/8" tbg, tagged bndge @ 3089' Cleaned out from 3372' to 3,5				
Recovered 80% sand & 20% formation Cleaned from 3450' to 3600' Hydrotest tubing - no holes Test annulus to 560#				
27-Apr-09 RU Gray Wireline Tagged @ 3,058' with 1" sinker bar RD wireline Placed well on injection Rate/Press: 539 bwpd/750#.				
PREPARED BY				
Larry S Adams Domingo Camzales				
UPDATED				
20-May-09				