

RECEIVED

AUG 27 2010

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09651
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 226
9. OGRID Number 263848
10. Pool name or Wildcat Jalmat; Tans, Yates, 7R/ LM; 7R, Q

<p>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.)</p>	
<p>1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Injector</p>	
<p>2. Name of Operator Resaca Operating Company</p>	
<p>3. Address of Operator 2600 W. I-20, Odessa, TX 79763</p>	
<p>4. Well Location Unit Letter <u>A</u> : <u>330</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>East</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County <u></u></p>	
<p>11. Elevation (Show whether DR, RKB, RT, GR, etc.) KB 3297'</p>	

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:

4/29/50

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

Conditions of Approval (if any):

2 m.

WELLBORE SCHEMATIC AND HISTORY										
CURRENT COMPLETION SCHEMATIC			LEASE NAME Cooper Jal Unit				WELL NO 226 WIW			
			STATUS Active				Water Injector			
			API# 30-025-09651							
LOCATION 330 FNL & 330 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico										
SPUD DATE TD			KB 3,297'		DF					
INT COMP DATE 05/16/50			PBDT 3600		GL 3,287'					
GEOLOGICAL DATA										
ELECTRIC LOGS										
CORES, DST'S or MUD LOGS.										
Ejecto Log Tracer - MicroCaliper (11-9-76 Cardinal Surveys Co)										
HYDROCARBON BEARING ZONE DEPTH TOPS										
Yates @ 2985' 7-Rivers @ 3200' Queen @ 3560'										
CASING PROFILE										
SURF 8 5/8" - 28#, J-55 set@ 310' Cmt'd w/100 sxs - circ cmt to surf										
PROD 5 1/2" - 15#, J-55 set@ 2989' Cmt'd w/200 sxs - TOC @ 1935' f/ surf by calc DV tool @ 1137' - pmp 200 sxs -										
LINER None 5 1/2" - TOC@ 80' f/ surf by calc										
CURRENT PERFORATION DATA										
OPEN HOLE 2989'-3600'										
TUBING DETAIL										
8/27/2004										
ROD DETAIL										
2911' 92 2 3/8" IPC J-55, 4 7#										
2' 1 5 1/2" x 2 3/8" Baker Model AD-1 pkr										
2913'										
WELL HISTORY SUMMARY										
18-May-50 IC interval (Yates OH) 2989 - 3223'; No stimulation IP = 88 bopd, 0 bwopd, & 125 Mcfgpd (flowing)										
29-Dec-68 C/O fill from 3156 - 3214' (58')										
8-Apr-69 C/O fill from 3140 - 3214' (74')										
20-May-71 CONVERTED To WATER INJECTOR C/O from 3190 - 3223 (33') Swedged out 5 1/2" csg at 337', 481', 515', 1064' & 1287'. Ran pkr on 2 3/8" CL tbg Set pkr @ 2933'										
9-Nov-76 Ran injection profile - had 220' of fill Identified 100% injection below 3003'										
24-Nov-76 C/O fill from 3003 - 3223' (223') Jet washed from 3223 - 2989' Encountered tight spot in 5 1/2" csg @ 1287'										
12-Feb-90 C/O fill to 3,223'										
01-Oct-93 Administrative Order No. WFX-648. Approved Division Order No. R-4019 & R-4020 for Waterflood Expansion.										
15-Jun-95 Deepen to 3600'. Acdd'd OH (2989 - 600') w/ 5,000 gals 15% NEFE HCL Returned well to injection (DHC - Jalmat & Langlie Mattix). Max surface injection pressure = 597 psi										
17-Oct-00 Set CIBP @ @ 2960'. Tst CIBP & csg to 590 psi OK Displace well with pkr fluid Dmp 35' cmt on top of CIBP @ 2,960' PBDT at 2925' NMOCD representative on location RD & clean location Well TA'd 10-20-2000.										
23-Aug-04 RIH w/ 4 3/4" bit and 6 - 3 1/8" drill collars on 2 7/8" work string Drilled out cement & CIBP at 2960' Cleaned open hole to 3240'. RIH w/ 5 1/2" x 2 3/8" IPC Baker Model AD-1 pkr Hydrotect tbg to 6,000# Landed PKR at 2913', circ'd 80 bbls of fresh water plus 10 gallons of packer fluid Set PKR & test annulus to 520 psig for 30 minutes - head Pulled chart for NMOCD NMOCD Rep witnessed the MIT Injection: 300 BWPD at 120 psig. Status change f/ Inactive to Active Injector.										
8-Nov-05 RIH with 1 1/4" x 5" sinker bar and tagged at 3,095'.										
16-Jan-09 Test csg to 500 psig - okay POOH w/ IPC tbg & PKR RIH w/ 4 3/4" bit & drill collars, tagged @ 3,068' Drilled formation f/ 3241' to 3570' in 5 days Left 3 cones & 2 shanks of 4 3/4" button bit Could not recover w/ magnet RIH with 5 1/2" PKR on 2 3/8" IPC tubing (Hydrotect to 5,000#) MIT to 500 psig for 30 min Pulled chart for OCD										
Prior Rate/Press: 120 BWPD @ 380#. After Rate/Press: 350 BWPD @ 550#.										
24-Sep-09 RU Gray WL RIH Logging Tool - tagged 3,560'. Ran injection profile RD WL Rate/Press 563 BWPD @ 700 PSIG										
Surface Csg										
Hole Size 11 in										
Csg Size 8 5/8 in										
Set @ 310 ft										
Sxs Cmt 100										
Circ Yes										
TOC @ surf										
TOC by circ										
Production Csg										
Hole Size 7 7/8 in										
Csg Size 5 1/2 in										
Set @ 2989 ft										
Sxs Cmt 250										
Circ No										
TOC @ 80 f / surf										
TOC by calc										
OH Interval										
2989'-3600'										
Pkr at 2913'										
Yates @ 2985'										
Jalmat										
7-R @ 3200'										
Langlie Mattix										
Queen @ 3560'										
TOF @ 3560'										
Bit Cones and shanks										
PBDT 3600 ft										
TD 3600 ft										
OH ID 4 3/4 in										
			PREPARED BY		Larry S Adams		Domingo Carnzales		UPDATED	
									20-Mar-09	