

State of New Mexico
Energy, Minerals and Natural Resources30-025-11141 / Form C-103
June 19, 2008

RECEIVED

AUG 27 2010

HOBBSOCD

CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-11141

5. Indicate Type of Lease

STATE ☐ FEE ☐ Fed ☒

6. State Oil & Gas Lease No.

NM 12612

7. Lease Name or Unit Agreement Name

NM 70962X Cooper Jal Unit

8. Well Number 116

9. OGRID Number 193003

263848

10. Pool name or Wildcat Jalmat; Tans,
Yates, 7R/ LM; 7R, Q

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 X M: 660 feet from the South line and 660 feet from the West lineSection 18 Township 24S Range 37E NMPM Lea County

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

3,326' GL

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:

2/14/50

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 8/26/2010Type 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):

RM

WELLBORE SCHEMATIC AND HISTORY											
CURRENT COMPLETION SCHEMATIC			LEASE NAME				Cooper Jal Unit		(Formerly No. 235)		
			STATUS		Active		Water Injector		WELL NO 116 WIW		
			LOCATION		660 FSL & 660 FWL, Sec 18, T - 24S, R - 37E, Lee County, New Mexico		API#		30-025-11141		
			SPUD DATE		TD 3641		KB 3,317'		DF		
			INT COMP DATE		03/09/50 PBDT 3641		GL 3,307'				
<div> <div>Surface Csg</div> <div>Hole Size 12 1/4 in</div> <div>Csg Size 9 5/8 in</div> <div>Set @ 243 ft</div> <div>Sxs Cmt 150</div> <div>Circ Yes</div> <div>TOC @ surf</div> <div>TOC by circ</div> </div>			<div> <div>ELECTRIC LOGS</div> <div>GR-N from 2700 - 3631' (2-11-50 Lane Wells)</div> <div>GR - N - CCL from 2100 - 3630' (8-31-71 Dresser Atlas)</div> <div>Injection Profile Log (4-25-95 Houston Inc)</div> </div>							<div> <div>GEOLOGICAL DATA</div> <div>CORES, DST'S or MUD LOGS</div> </div>	
			<div> <div>HYDROCARBON BEARING ZONE DEPTH TOPS</div> <div>Queen @ 3562'</div> <div>Seven Rivers @ 3210'</div> <div>Yates @ 2982'</div> </div>								
			<div> <div>CASING PROFILE</div> <div>SURF 9 5/8" - 40#, J-55 set@ 243' Cmt'd w/150 sxs - circ cmt to surf</div> <div>PROD 7" - 20#, J-55 set@ 3410' Cmt'd w/500 sxs - TOC @ 1201' from surf by Temp Survey</div> <div>LINER None</div> </div>								
			<div> <div>CURRENT PERFORATION DATA</div> <div>CSG PERFS</div> <div>OPEN HOLE</div> <div>3410 - 3641'</div> </div>								
			<div> <div>TUBING DETAIL</div> <div>3/8/1994</div> <div>ROD DETAIL</div> </div>								
			<div> <div>Length (ft)</div> <div>Detail</div> <div>10 00 KB</div> <div>2870 02 88 jts - 2 3/8" 4 7#, CPL, J-55, 8rd EUE tbq</div> <div>2 90 1-5 1/2" x 2 3/8" Baker Model AD-1 packer</div> <div>2882 92 btm</div> </div>								
			<div> <div>WELL HISTORY SUMMARY</div> <div>09-Mar-50 IC interval 3410 - 3641' (7 RVRs/Queen OH) Shot w/100 qts nitro IP =15 bopd, 0 bwpd & 2 Mcfgpd (flowing)</div> <div>10-Sep-71 C/O f/ 3600 - 3641' w/ 6 1/4" bit Ran GR-N-CCL Perf (Yates & 7 RVRs-Queen) f/ 2980 - 3396' w/ 1 spf (118 holes - 0 5" dia) Acdz'd perfs 3376 - 96' w/ 1,000 gals 20% HCL & 12 ballsealers, AIR=5 bpm @ 900 psi Acdz'd perfs 2980 - 3208' w/ 4,000 gals 20% HCL & 100 ballsealers, AIR=4 4 bpm @ 1600 psi Ran new string of 2 3/8" IPC w/ 2 Baker full open flow regulators & two packers Converted well to dual injector Initiated injection</div> <div>21-Aug-87 C/O OH f/3509'-3641' Acdz perfs 2980'-3641' & OH 3410'-3641' w/2,500 gals 15% NEFE HCL in 4 stages using 500#'s RS diversion between stages PM=1100 - 800 psi, AIR=2 0 bpm, ISIP=400 psi, P10min=vac Ran injection string of 2 3/8" IPC w/ 2 Baker flow regulators & two packers Refurbish surface injection line and water filter Placed well on injection</div> <div>1-Oct-93 Administrative Order No. WFX-648. Approve Division Order No. R-4019 & R-4020 for Waterflood Expansion.</div> <div>29-Nov-93 C/O OH f/ 3617 - 41' Set pkr@ 3353' & acdz'd perfs 3353-96 & OH 3410- 3641' w/ 4,200 gals 20% NEFE HCL w/ 168 gals micellular solvent & 3,000#'s RS in 4 stages PM=847 - 315 psi, AIR=4 2 bpm, ISIP=467 psi, P5min=370 psi, P10min=300 psig P15min=220 psi Swab back load RIH w/inj Equip Set pkr@ 2883' Placed on injection 624 bwpd @ 300 psi POOH w/injection string and pkr LD (Plastic coating peeling out of tbq) PU & TIH w/new CPL 2 3/8" tbq & pkr Countd not get pkr to test @ 2915' PU and reset pkr @ 2884' Placed well on injection</div> <div>08-Mar-94 RIH with 1 1/4" sinker bar and tagged at 3,619'.</div> <div>07-Nov-05</div> </div>								
			<div> <div>Production Csg</div> <div>Hole Size 8 5/8 in</div> <div>Csg Size 7 in</div> <div>Set @ 3410 ft</div> <div>Sxs Cmt 500</div> <div>Circ No</div> <div>TOC @ 1201 f/ surf</div> <div>TOC by TS</div> </div>								
			<div> <div>OH Interval</div> <div>3410 - 3641'</div> </div>								
			<div> <div>Queen @ 3562'</div> <div>Fill @ 3619'</div> </div>								