

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED

AUG 27 2010

HOBBSOCD

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-26128

5. Indicate Type of Lease

STATE ☐FEE ☐Fed ☒

6. State Oil &amp; Gas Lease No.

NM 032715

7. Lease Name or Unit Agreement Name

Cooper Jal Unit

8. Well Number 153

9. OGRID Number 193003

203848

10. Pool name or Wildcat

Jalmat; Tans-Yates

## 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 L

1400

1440

feet from the

South

line and

280

feet from the

West

line

Section 19

Township 24S

Range 37E

NMPM

Lea

County

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

3302' KB

## 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:

1/4/79

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

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:

TITLE

STAFF MGR

DATE

8-30-10

Conditions of Approval (if any):

2m

## WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO											
		<b>Cooper Jal Unit</b>		<b>153 WIW</b>											
		STATUS <b>Active</b>		Water Injector											
		LOCATION      1400 FSL & 280 FWL, Sec 19, T - 24S, R - 37E, Lee County, New Mexico		API# <b>30-025-26128</b>											
		SPUD DATE      01/04/79 TD      3711      KB      3,302'      DF													
		INT COMP DATE      02/01/79 PBD      3250      GL      3,291'													
<div style="border: 1px solid black; padding: 5px;"> <b>Surface Csg</b>            Hole Size 12 1/2 in            Csg Size 8 5/8 in            Set @ 368 ft            Sxs Cmt 250            Circ Yes            TOC @ surf            TOC by circ         </div>		<b>ELECTRIC LOGS</b> <b>GEOLOGICAL DATA</b> <b>CORES, DST'S or MUD LOGS</b>													
		GR-N (1-17-79 WELEX)      Forxo-Guard log (1-5-55 Halliburton) GR-N (12-27-48 Lane Wells)      Tracer Survey (6-27-91 Cardinal Surveys)													
		<b>HYDROCARBON BEARING ZONE DEPTH TOPS</b>													
		Yates @ 2993'      7-Rivers @ 3224'      Queen @ 3573'													
		<b>CASING PROFILE</b>													
		SURF. 8 5/8" - 24#, K-55 set@ 368' Cmt'd w/250 sxs - circ cmt to surf. PROD 5 1/2" - 15 5#, K-55 set@ 3711' Cmt'd w/1000 sxs - circ cmt to surface LINER None													
		<b>CURRENT PERFORATION DATA</b>													
		<b>CSG PERFS.</b>  01-Feb-79 <b>Perf'd 7 Rivers</b> f/ 3278', 80', 82', 84', 3337', 39', 3409', 11', 14', 41', 44', 47', 70', 74', 78', 3574' & 76' w/ spt (17 holes - .49") 07-May-87 <b>Perf's Queen</b> f/ 3616 - 96' (86 holes); 07-May-87 <b>Perf'd Yates</b> f/ 3003', 05', 07', 10', 13', 15', 17', 19', 21', 22', 23', 24', 25', 27', 44', 47', 49', 55', 57', 59', 61', 62', 63', 64', 65', 67', 85', 87', 89', 90', 91', 92', 93', 95', 97', 3102', 17', 19', 31', 33', 34', 35', 37', 39', 43', 47', 49', 51', 57', 59', 71', 73', 75', 3211', 13', 15', 25', 27', & 29' w/ 2 spt (118 holes)													
		<b>TUBING DETAIL</b> 1/28/2000		<b>ROD DETAIL</b>											
		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Length (ft)</th> <th style="text-align: left;">Detail</th> </tr> </thead> <tbody> <tr> <td>0 KB</td> <td></td> </tr> <tr> <td>2860 92</td> <td>2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg</td> </tr> <tr> <td>7 1</td> <td>5 1/2" x 2 3/8" Guiberson UNI VI, IPC, packer</td> </tr> <tr> <td>2867 btm</td> <td></td> </tr> </tbody> </table>				Length (ft)	Detail	0 KB		2860 92	2 3/8" 4 7#, IPC, J-55, 8rd EUE tbg	7 1	5 1/2" x 2 3/8" Guiberson UNI VI, IPC, packer	2867 btm	
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		<b>WELL HISTORY SUMMARY</b>  01-Feb-79 Initial completion - <b>perf'd (Seven Rivers) 3278'-3576'</b> ; Acld'd w/4,500 gals dropping 25 ball sealers. Fraced w/42,200 gals gelled water carrying 32,500#s 20/40 sand & 15,000#s 10/20 sand dropping 18 ball sealers. Generating 2 equal stages (Max sand concentration was 2 ppg) <b>IP= 49 bopd, 189 bwpd, &amp; 45.6 Mcfgpd (pumping).</b> 07-May-87 C/O to 3700', <b>Added Queen perf's 3616 - 96' (86 holes).</b> Acld'd w/ 3,500 gals, Frac'd w 30,000 gals carrying 59,000#s 12/20 (Max sand concentration was 7 ppg) <b>Added perf's 3003 - 3229' (118 holes).</b> Acld'd w/ 6,000 gals; Frac'd w/ 44,100 gals carrying 75,000#s 12/20 sand AIR=17 5 bpm, PM=2200 - 1400 psi. C/O frac sand from 3155 - 3570' <b>Drld CIBP @ 3260' and pushed to 3700'.</b> Lost cone off 4 3/4" bit TOF (4 3/4" cone) est @ 3700' <b>Set CIBP @ 3570' and dumped 15' cmt on top. PBD @ 3555'. After WO: 50 bopd, 149 bwpd, GOR=840</b>  01-Oct-93 <b>Administrative Order No.-648. Approved Division Order No. R2019 &amp; R-4020 for Waterflood Expansion.</b> 01-Aug-95 C/O & <b>CONVERT TO INJECTOR: Set CIBP @ 3260'.</b> Dmp 10' cmt on top of CIBP. <b>PBD @ 3250'</b> Acld'd perfs 3003'-3229' w/5000 gals 15% NEFE HCL & 1700#s rock salt in 4 stages. AIR=5 2 bpm, ISIP=vacuum Ran injection tubing & Pkr. Set pkr @ 2944'. <b>Initiated injection at 672 bwpd, TP=vacuum</b> 05-Jan-00 C/O (scale and iron sulfide) from 3033' - 3252' (219') RIH w/pkr to 3200' & tst csg to 500 psi. OK Acld'd perfs 3003 - 3229' w/4,000 gals 15% NEFE HCL Swab perfs recovering 108 BLW w/ no oil skim. Ran pkr on 2 3/8" IPC tbg Set pkr at 2867'. <b>Initiated injection @ 500 bwpd, TP=0 psi.</b> 14-Feb-02 Tag TD using SL unit ( 1 1/4" x 5' sinker bar) Tag fill @ 3243' (7' of fill) 08-Nov-04 POOH w/ 2 3/8" IPC tubing & 5 1/2" x 2 3/8" Guiberson Packer. Hydrotest tubing in hole to 6000# - okay Circulate 65 bbls of fresh water w/ 10 gallons of packer fluid Set packer at 2,867'. Pressure test annulus to 400 psig for 30 minutes - okay Pulled pressure chart for NWOD Field Rep B Hill witness the test. <b>Before: 0 bwpd; after: 606 bwpd @ 410 psig.</b> 20-Jan-05 <b>Shut In.</b> Pressure test annulus to 330 psig for 30 minutes - held. Field Rep B Hill witness the MIT. <b>Before: 0 bwpd; After: 622 bwpd @ 410 psig.</b> 08-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,185'.													

**Production Csg.**  
 Hole Size 7 7/8 in  
 Csg Size 5 1/2 in  
 Set @ 3711 ft  
 Sxs Cmt 1000  
 Circ Yes  
 TOC @ surface  
 TOC by circ

PBD 3250 ft  
 TD 3711 ft

PREPARED BY:      Larry S. Adams      Domingo Carzales      UPDATED      26-Jan-05