

RECEIVED DEC 06 2010 HOBBSUCD		OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	
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. 30-025-11147 ✓	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/>		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. 306443	
3. Address of Operator 2509 Maurice Road, Odessa, TX 79763		7. Lease Name or Unit Agreement Name Cooper Jal Unit ✓	
4. Well Location Unit Letter <u>F</u> : <u>1980</u> feet from the <u>North</u> line and <u>1980</u> feet from the <u>West</u> line Section <u>18</u> Township <u>24S</u> Range <u>37E</u> NMPM Lea County ✓		8. Well Number <u>105</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3295' GL		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 MIT to put well back on for purpose of injection ☒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 MIT to put well back on for purpose of injection.

1) Notify OCD of MIT on well. MIRU pump truck.

2) Test annulus to 500 psi; run chart & pull chart for NMOCD; 3 1/2" Arrow Set 1-X Packer set @ 3326'; Top Perf @ 3369'

3) RD pump truck. Place well on injection @ approximately 600 BWPD and 670 psi (C-108 approved, WFX- 876).

Condition of Approval: Notify OCD Hobbs
 office 24 hours prior of running MIT Test & Chart

Spud D

Date:

Per Underground Injection Control Program Manual
 11.6.C Packer shall be set within or less than 100
 feet of the uppermost injection perfs or open hole.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Melanie Reyes TITLE Engineer Assistant DATE 11/30/10Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432) 580-8500

For State Use Only

APPROVED BY [Signature] TITLE STAFF MGR DATE 12-8-10

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY					
CURRENT COMPLETION SCHEMATIC		LEASE NAME Cooper Jal Unit			
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 1252 ft Sxs Cmt: 550 Circ: Yes surf circ</p> </div> <div style="width: 45%;"> <p>TOC @ 70'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>perf 6 holes @ 1350' Csg Insp. Log, Bad csg @ 1384'-86'</p> </div> <div style="width: 45%;"> <p>TOC @ 2410' By TS</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>3 1/2" Lnr at 3353'</p> </div> <div style="width: 45%;"> <p>Yates @ 2974'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>3312'-18' Pkr @ 3326' Shoe @ 3353'</p> </div> <div style="width: 45%;"> <p>7-R @ 3206'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>3369'-78'</p> </div> <div style="width: 45%;"> <p>3400'-08'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>3412'-28'</p> </div> <div style="width: 45%;"> <p>3445'-58'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>OH Interval 3468 - 3733' Fill @ 3722' Lost 3 cones off 2 3/4" bit</p> </div> <div style="width: 45%;"> <p>Queen @ 3552'</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="width: 45%;"> <p>PBTD: 3733 ft TD: 3733 ft</p> </div> <div style="width: 45%;"> <p>OH ID: 4 3/4 in</p> </div> </div>		<p>STATUS: P&A'd (2-24-00) Oil</p> <p>LOCATION: 1980 FNL & 1980 FWL, Sec 18, T-24S, R-37E, Leo County, New Mexico</p> <p>SPUD DATE: TD 3733 KB 3,306' DF</p> <p>INT. COMP. DATE: 07/12/46 PBTD 3733 GL 3,295'</p>		<p>WELL NO. 105 WIW</p> <p>API# 30-025-11147</p>	
		<p>ELECTRIC LOGS: Resistivity log from 1256 - 3472' (6-29-46 Schlumberger) GR-CNL from 2900 - 3734' (8-30-85 Dresser Atlas) Tracer Survey (10-15-85 Cardinal Surveys)</p>		<p>GEOLOGICAL DATA</p> <p>CORES, DSTS or MUD LOGS:</p>	
		<p>HYDROCARBON BEARING ZONE DEPTH TOPS:</p> <p>Yates @ 2974' 7-Rivers @ 3206' Queen @ 3552'</p>		<p>CASING PROFILE</p> <p>SURF. 8 5/8" - 32#, J-55 set @ 1252' Cmt'd w/550 sxs - circ cmt to surf.</p> <p>PROD. 5 1/2" - 17#, J-55 set @ 3468' Cmt'd w/250 sxs - TOC @ 2410' from surf buy Temp Survey. TOC @ 70' By TS</p> <p>LINER 3 1/2" - 9.2# & 8.81# J-55 Super Max & Flush Max set at 3353' Cmt'd w/ 60 sx Class C w/ 6% gel + 60 sx Class C w/ 2% ge</p>	
		<p>CSG. PERFS:</p> <p>24-May-07 Perf'd Lower 7-Rivers f/ 3445'-3458', 3412'-3428', 3400'-3408', 3369'-3378' & 3312'-3318', 52 feet, 3 JSPF, 156 holes. 14-Aug-07 Cemented perfs (3312'-3318') behind liner.</p>		<p>CURRENT PERFORATION DATA</p> <p>OPEN HOLE : 3468 - 3733'</p>	
<p>TUBING DETAIL</p> <p>108 - 2 3/8" J-55 4.6# Super Max IPC w/ special Clearance 2 1/16 x 3 1/2" SL Shear Lost 3 cones off 2 3/4" bit in open hole.</p>		<p>ROD DETAIL</p>			
<p>WELL HISTORY SUMMARY</p> <p>12-Jul-46 I.C. interval: 3468 -3583' (Seven Rivers OH). No stimulation - IP=45 bopd, 0 bwpd, 300 Mcf/gpd (flowing)</p> <p>19-Jul-46 Shot OH 3468 -3583' with 200 qts nitro. (had trouble C/O hole afterwards)</p> <p>10-May-58 C/O OH f/3516-83'. Frac'd OH w/10,000 gals lse oil and 10,000#s sand diverting with 2 stages of moth balls - had slight pressure increase. AIR=37 bpm @ 2100 psi.</p> <p>18-Sep-74 C/O fill in OH f/ 3518 -83'. Jet washed OH.</p> <p>8-Nov-74 24 hr. tst-pmp, 30 bopd & 12 bwpd</p> <p>3-Oct-75 24 hr. tst-pmp, 33 bopd & 10 bwpd</p> <p>6-Oct-76 24 hr. tst-pmp, 47 bopd & 36 bwpd</p> <p>3-Jan-77 24 hr. tst-pmp, 45 bopd & 46 bwpd</p> <p>11-Feb-77 Pulled prod equipment. MA full of sand. Re-ran prod equip & returned to prod</p> <p>8-May-77 24 hr. tst-pmp, 48 bopd & 52 bwpd</p> <p>7-Sep-78 28 hr. tst-pmp, 36 bopd & 72 bwpd</p> <p>5-Sep-85 Deepened well 150' to 3733' (TD). C/O, Ran GR-CNL f/3734 - 2900'. Ack'd OH w/ 2000 gals 15% acid w/ acid w/ 500#s RS in two stages. Frac'd in 2 stages w/ 700#s rock salt diversion & 42,000 gals of 40 ppq crosslinked gel wtr / 82,500#s sand. PM=4600 - 3200 psi @ AIR=30 bpm. ISIP=1000 psi. C/O to TD @ 3733'. Ran equip & placed well on prod</p> <p>22-Feb-00 TOOH & LD pmp, rods, & tbg. Set CIBP w/ WL @ 3400'. Spot 25 sxs cmt on CIBP. Spot 25 sxs cmt from 3000'-2750'. Perf'd 6 shots @ 1360'. Set pkr @ 400' & cmt sqz 50 sxs into perfs, ISIP=200 psi. WOC. Tag TOC @ 1150'. Spot 15 sxs cmt from 30' - surf. Installed Dry hole marker & cleaned location. NMOCD notified = well P&A'd 2.14.2000.</p> <p>14-May-07 Welded 8 5/8"x5 1/2" WH, 5 1/2" bell nipple & 5 1/2"x2 7/8" Larkin WH. RIH 4 3/4" Mill Tooth bit + DC's on S.M. tbg. Tagged cmt at 997', D/O & fell out at 1175'. Tagged cmt at 2754'. RIH with 5 1/2" Pkr - test casing f/ 1389' to 2754' to 500# - okay. Circ'd thru perf hole at 1350' to surface. Cmt'd w/ 270 sxs Class C w/ 2% CaCl, 7% C-41P, circ'd 50 sxs. RIH w/43/4" bit & BHA, drilled out CIBP & cmt to 2754'. Performed MIT for OCD. Washed down to 3177', drilled CIBP @ 3365'. Washed down to 3,729' - had 4' of fill over night. Recovered formation & frac sand. Laid down BHA. Perf'd L. 7-Rivers f/ 3445'-3458', 3412'-3428', 3400'-3408', 3369'-3378' & 3312'-3318', 52 feet, 3 JSPF, 156 holes. Set 5 1/2" Pkr @ 3260', test annulus to 500# - okay. Foam CO2 Acidized OH (3468'-3733', Lwr 3312'-3458' with 71 bbls 15% NEFE HCl acid plus 38 Tons CO2. Diverting w/ 10,000#. Rock Salt. AIR= 9 bpm. Pavg= 2448#. PM= 4232#. ISIP= 954#. Next day SITP= 750#, recovered 9 bbls in 9 hours. No oil, slight gas show. Killed well and POOH w/ tbg & PKR. RIH w/ Notched Collar, tagged fill at 3612'. Cleaned from 3625' to 3722'. RIH with 5 1/2" AD-1 PKR on 2 3/8" IPC tubing. Pressure annulus to 500# - no test. Sqz perfs (1350') are not holding pressure. Set Pkr at 3236'. MO PU.</p> <p>06-Jul-07 POOH with tubing and Pkr. Ran Gray Wireline casing inspection log. Found bad casing from 1384' to 1386'.</p> <p>14-Aug-07 RIH with 5 1/2" Composite Plug & set @ 3410', set packer at 3407'. Plug did not test. RIH with another Composite Plug & set @ 3356'. Plug did not test. Hydrotest 105 - 3 1/2" liner to 5000# - good. Cemented w/ 60 sxs Class C w/6% gel & tailed 60 sxs Class C w/ 2% gel. Pressured to 1150#. D/O cmt, float collar, shoe & composite plugs @ 3410'. C/O to 3586'. Lost 3 cones off 3 1/2" bit. RIH w/ 3 1/2" SL Shear pkr. and 2 3/8" IPC tbg. Circulated with inhibited fluid, set PKR at 3339'. Test annulus to 500# - lost 50# in 15 mins. Moved Pkr to 3336' - did not test. RIH w/ new pkr, hydrotesting tbg in hole to 5000# - good. Annulus test - would not hold. Well head packing was leaking. Repaired packing - press annulus to 500# - good test.</p>					

PREPARED BY:

Larry S. Adams

Domingo Carrizales

UPDATED:

04-Sep-07