

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED
OIL CONSERVATION DIVISIONMAR 25 2011
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBSUCD

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. 30-025-09661
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input 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 1331 Lamar St. Ste. 1450, Houston, TX 77010		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>B</u> : <u>330</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>East</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>139</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3314' KB		9. OGRID Number <u>263848</u>
		10. Pool name or Wildcat Jalmat; Tansill-Yates-7Rivers

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: Add Perfs and Foam Sand Frac Jalmat ☒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.

- 1.) MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- 2.) Clean out to CIBP @ 3390'.
- 3.) RU Wireline Co. & perforate Yates f/ 3050'-3236', 2 JHPF, 31', 62 holes; 7 Rivers f/ 3242'-3375', 2 JHPF, 33', 66 holes.
- 4.) RU Service Company & prep to fracture stimulate well down 4 1/2" work string.
- 5.) Foam Sand Frac f/ 3014'-3375' w/ approximately 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand plus 1.71 MMCF Nitrogen, diverting w/ 130 Ball Sealers.
- 6.) RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- 7.) POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3390'.
- 8.) RIH w/ 2 7/8" tubing, pump and rods.
- 9.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.

Spud Date:

Rig Release Date:

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

SIGNATURE M. R. Reyes TITLE Engineer Assistant DATE 3/24/11Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432)580-8500
For State Use OnlyAPPROVED BY: E. Gonzalez TITLE STAFF MGR DATE 3-28-2011
Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY																																									
CURRENT COMPLETION SCHEMATIC		LEASE NAME																																							
<div><p>Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 286 ft Sxs Cmt: 150 Circ: Yes TOC @: surf TOC by: circ</p><p>TOC @ 680'</p><p>DV Tool @ 1200'</p><p>TOC @ 2415' By Calc.</p><p>Yates @ 3014'</p><p>3014'-32'</p><p>3035'-42'</p><p>3070'-84'</p><p>3091'-3107'</p><p>3113'-31'</p><p>3138'-70'</p><p>3175'-88'</p><p>3214'-22'</p><p>7-R @ 3235'</p><p>TOC @ 3355'</p><p>CIBP @ 3390'</p><p>OH Interval 3465 - 3545'</p><p>PBTD: 3355 ft TD: 3545 ft</p><p>OH I 4 3/4 in Queen @ 3595'</p></div>		Cooper Jal Unit																																							
		WELL NO 139																																							
		API# 30-025-09661																																							
		STATUS: Active Oil																																							
		LOCATION: 330 FNL & 2310 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico																																							
SPUD DATE: TD 3545 KB 3,314' DF																																									
INT. COMP. DATE: 05/26/54 PBTD 3355 GL																																									
ELECTRIC LOGS:																																									
GR-N from 0 - 3544' (5-20-54 Schlumberger) Injectivity Profile (6-5-73 WACO) GR-CCL (9-13-93 Halliburton)																																									
GEOLOGICAL DATA																																									
CORES, DST'S or MUD LOGS:																																									
HYDROCARBON BEARING ZONE DEPTH TOPS:																																									
Yates @ 3014' 7-Rivers @ 3235' Queen @ 3595'																																									
CASING PROFILE																																									
SURF. 8 5/8" - 24#, H-40 set@ 286' Cmt'd w/150 sxs - circ cmt to surf.																																									
PROD. 5 1/2" - 14#, H-40 set@ 3465' Cmt'd w/200 sxs - TOC @ 2415' from surf. DV tool @1200' - pmp 100 sxs -																																									
LINER None 5 1/2" - TOC@ 680' ft surf by calc.																																									
CURRENT PERFORATION DATA																																									
CSG. PERFS: OPEN HOLE : 3465 - 3545' Isolated w/CIBP@ 3390'																																									
11-Sep-93 Perf'd Jalmat w/ 2 spf 3014'-32', 3035'-42', 3070'-84', 3091'-3107', 3113'-31', 3138'-70', 3175'-88', & 3214'-22' (252 holes total - 0.56" dia.)																																									
TUBING DETAIL 2/21/2005																																									
ROD DETAIL 2/22/05																																									
<table><thead><tr><th>Length (ft)</th><th>Detail</th><th>Length (ft)</th><th>Detail</th></tr></thead><tbody><tr><td>2926</td><td>90 2 7/8" 6.5#, J-55, 8rd EUE tbg.</td><td>18</td><td>22 1 1/4" x 26' polish rod w/ 7/8" pin</td></tr><tr><td>3</td><td>3 5 1/2" x 2 7/8" TAC</td><td>0</td><td>1 1 1/4" x 1 1/2" x 16' liner</td></tr><tr><td>292</td><td>9 2 7/8" J55 tubing</td><td>4</td><td>2 4' - 7/8" Grade D pony rods</td></tr><tr><td>32</td><td>1 2 7/8" Super Max Blast Joint</td><td>975</td><td>39 39- 7/8" D85 rods</td></tr><tr><td>1</td><td>1 2 7/8" SN</td><td>2100</td><td>84 84 - 3/4" D85 rods</td></tr><tr><td>14</td><td>1 Perf Sub And 3 1/2" Mud Anchor</td><td>125</td><td>5 5 - 1 1/2" sinker bars</td></tr><tr><td>3268</td><td>blm</td><td>1</td><td>1 1" pony rod</td></tr><tr><td></td><td></td><td>20</td><td>1 2-1/2"x1-3/4"x20' RWBC w/ 1 1/4" x 8' GA</td></tr><tr><td></td><td></td><td>3243</td><td></td></tr></tbody></table>		Length (ft)	Detail	Length (ft)	Detail	2926	90 2 7/8" 6.5#, J-55, 8rd EUE tbg.	18	22 1 1/4" x 26' polish rod w/ 7/8" pin	3	3 5 1/2" x 2 7/8" TAC	0	1 1 1/4" x 1 1/2" x 16' liner	292	9 2 7/8" J55 tubing	4	2 4' - 7/8" Grade D pony rods	32	1 2 7/8" Super Max Blast Joint	975	39 39- 7/8" D85 rods	1	1 2 7/8" SN	2100	84 84 - 3/4" D85 rods	14	1 Perf Sub And 3 1/2" Mud Anchor	125	5 5 - 1 1/2" sinker bars	3268	blm	1	1 1" pony rod			20	1 2-1/2"x1-3/4"x20' RWBC w/ 1 1/4" x 8' GA			3243	
Length (ft)	Detail	Length (ft)	Detail																																						
2926	90 2 7/8" 6.5#, J-55, 8rd EUE tbg.	18	22 1 1/4" x 26' polish rod w/ 7/8" pin																																						
3	3 5 1/2" x 2 7/8" TAC	0	1 1 1/4" x 1 1/2" x 16' liner																																						
292	9 2 7/8" J55 tubing	4	2 4' - 7/8" Grade D pony rods																																						
32	1 2 7/8" Super Max Blast Joint	975	39 39- 7/8" D85 rods																																						
1	1 2 7/8" SN	2100	84 84 - 3/4" D85 rods																																						
14	1 Perf Sub And 3 1/2" Mud Anchor	125	5 5 - 1 1/2" sinker bars																																						
3268	blm	1	1 1" pony rod																																						
		20	1 2-1/2"x1-3/4"x20' RWBC w/ 1 1/4" x 8' GA																																						
		3243																																							
WELL HISTORY SUMMARY																																									
26-May-54 Initial completion interval: 3465 - 3545' (Queen OH). Frac'd w/4,000 gals Dowell Stratofrac w/ 6,000#'s sand. AIR= 12.6 bpm at 1200 psig. IP= 157 bopd																																									
28-Jul-54 48 bopd, 0 bwppd, & GOR=1,072 (flowing on 15/64" choke)																																									
22-May-57 Frac'd OH w/17,000 gals, 25,000#'s 20/40 sand, 5,000#'s 10/20 sand. AIR=29 bpm @ 2700 psi. Before WO: 7 bopd, 7 bwppd & GOR= 8320. After WO: 31 bopd, 0.2 bwppd, & GOR=2947																																									
18-May-71 CONVERTED TO INJECTION: Tag btm @ 3539'. Did not C/O. Ran injection equipment & initiated injection.																																									
05-Jun-73 Ran injection profile. Tag TD @ 3538'																																									
23-Mar-79 Attempted TD check w/ 1 1/4" sinker bar - couldn't get below 2888'.																																									
28-Mar-79 Ran 1" sinker bar - tagged TD @ 3482' (56' of fill)																																									
12-Aug-88 C/O. Side jet and acdz'd OH w/2,000 gals																																									
29-Mar-93 C/O. Side jet and acdz'd OH w/4,000 gals																																									
11-Sep-93 Set CIBP @ 3390' & dmp 35' cmt on top. PBTD = 3355'. Perf'd (Yates/7RVRS) using 4" csg gun, 120 deg phasing w/ 2 spf 3014'-32', 3035'-42', 3070'-84', 3091'-3107', 3113'-31', 3138'-70', 3175'-88', & 3214'-22' (252 holes - 0.56" dia.) Frac'd perfs (3014 - 3222) w/48,600 gals, 134,000#'s 12/20 sand. AIR=35 bpm @ 2300 psig. ISIP= 78 psig. C/O sand to 3330'. Ran production equipment. After WO: 57 bopd, 330 bwppd, & 25 Mcf/gpd.																																									
16-Nov-93 Hydrotest tbg. Found & replaced 2 bad jts. Returned well to production.																																									
03-Mar-95 Replaced 1 bad jt tbg. Returned well to production.																																									
13-Apr-95 Replaced rod pmp. Returned well to production.																																									
02-Dec-97 Replaced all 3/4" rods & 7/8" rod boxes. Hydrotested tbg - no bad jts. Returned well to production.																																									
18-Dec-00 Tag btm @ 3355'. Replaced pmp. Returned well to production.																																									
27-Feb-02 Long stroke pump.																																									
09-Sep-02 Tally out of hole with tubing string - found a split jt. Hydrotest tubing in hole. Well would not pump - found scale and sand on MAJ. Placed well on production.																																									
18-Jul-03 POOH with rods and pump. Found top joint with 2 foot split. Reset TAC, RIH with pump and rods. PWOP.																																									
24-Jun-04 POOH with rods and pump. RIH with larger pump and rods. PWOP.																																									
18-Feb-05 POOH with rods and pump. Scanolog tubing: 72 - Blue, 20 - Green, & 4 - Red. RIH with production string - didn't hold pressure. Hydrotest tubing to 6000# - found 1 split #29 joint. PWOP.																																									