

Office

Energy, Minerals and Natural Resources

October 13, 2009

District I

1625 N French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S St. Francis Dr., Santa Fe, NM

87505

RECEIVED

HOBBS OCD

JUN 27 2011

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-025-09621

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil &amp; Gas Lease No.

306443

7. Lease Name or Unit Agreement Name

Cooper Jal Unit

8. Well Number 206

9. OGRID Number 263848

## 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 ☐ Inj

2. Name of Operator

Resaca Operating Company

3. Address of Operator

1331 Lamar St. Suite 1450, Houston, TX 77010

4. Well Location

Unit Letter H : 1980 feet from the North line and 330 feet from the East line

Section 24 Township 24S Range 36E NMPM Lea County

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

3310' 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: ☐OTHER: Deepen well to Queen ☒

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; POOH w/ injection string; RIH w/ 4 3/4" Bit & 10- 3 1/2" Drill Collars. 5/2/11
- 2.) Drilled formation and cleaned out to new TD @ 3750', circulated well clean; POOH w/ drill collars and bit.
- 3.) RU Service Co. and pumped 20,000 gallons Acid, dumping 15,000#s salt; Found casing leak f/ 345'-355'; POOH w/ injection string.
- 4.) RIH w/ composite bridge plug, float shoe, 1 jt. 3 1/2" 9.2# Super Max Liner, float collar & 95 jts. 3 1/2" 9.2# Super Max Liner.
- 5.) Continued in hole w/ Liner, set @ 2932', pumped 200 sx Class C cement, dropped wiper plug, displaced plug to float collar, circulating cement to surface. RIH w/ Bit and work string; drilled out float collar and float shoe; circulated clean; Drilled out composite plug; circulated clean.
- 6.) RIH and tagged TD @ 3750'; POOH w/ work string; RIH w/ packer & 2 3/8" IPC tubing w/ special clearance collars.
- 7.) Set PKR @ 2910' (Top OH- 2983'); circulated packer fluid, Ran preliminary MIT, held. Shut well in overnight.
- 8.) Ran Post Work Over MIT Test for OCD, held; RDMO Pulling Unit, clean location, clean and dispose of pit fluids. 6/2/11
- 9.) Well shut in, will put on injection w/ NMOCD's Approval. C-108 Approved 6/13/11. WFX-888

Spud Date:

5/2/11

Rig Release Date:

6/2/11

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

SIGNATURE

TITLE

Engineer Assistant

DATE

6/16/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com

PHONE: (432)580-8500

For State Use Only

APPROVED BY:

TITLE

STATE MGR

DATE

6-28-2011

Conditions of Approval (if any):

CURRENT COMPLETION SCHEMATIC		LEASE NAME		WELL NO	
		Cooper Jal Unit		206	
		STATUS		API#	
		TA'd (6-26-99)		Oil	
		LOCATION		1980 FNL & 330 FEL, Sec 24, T - 24S, R - 36E, Lea County, New Mexico	
		SPUD DATE		TD 3750 KB 3,310' DF 3,310'	
		INT COMP DATE		05/04/50 PBDT 3750 GL	
		ELECTRIC LOGS.		GEOLOGICAL DATA	
		CORES, DST'S or MUD LOGS.			
		None Listed		HYDROCARBON BEARING ZONE DEPTH TOPS.	
		Yates @ 3009'		7-Rivers @ 3230' Queen @ 3595'	
		SURF		8 5/8" - 28#, J-55 set@ 310' Cmt'd w/125 sxs - circ cmt to surf	
		PROD		5 1/2" - 14#, J-55 set@ 2983' Cmt'd w/200 sxs - TOC @ 1733' 80% Calc DV tool @ 1200' - pmp 200 sxs -	
		LINER		3 1/2" - 9 2 #/ft set @ 2932' Cmt'd w/ 200 sxs Class C - Cmt Circ'd 5 1/2" - TOC @ surf, 80% calc	
		CSG. PERFS		OPEN HOLE	
				2983 - 3750'	
		TUBING DETAIL		3/2/2011	
		ROD DETAIL			
		6 1 2 3/8" IPC TBG SUB			
		2925 91 2 3/8" IPC TBG			
		3 1 2 3/8" X 5 1/2" Arrowset 1			
		2934			
		TOC at 1733' 80% Calc.			
		WELL HISTORY SUMMARY			
		19-May-46 Initial completion interval (Yates/OH) 2983 - 3230': No stimulation. IP = 54 bopd (flowing)			
		20-Apr-61 Put on pump			
		6-Mar-61 Producing 10 bopd & GOR=5880			
		1-Mar-62 Monthly Production 141 bopm & 1,179 Mcfgpm			
		1-Apr-62 Cumulative Production 111, 295 bbls oil & 589,535 Mcfg.			
		25-Jan-63 Frac'd OH (2983 - 3230') w/40,000 gals Isae oil & 100,000#'s 20/40 sand & 1,000#'s moth balls Could not C/O after frac below 3070', so put on pump			
		11-May-63 Never recovered load oil from previous frac due to unsuccessful pumping. Attempted to air-mist drill & run 4" FJ liner Could not drlg below 3096' so set 4" liner from 2838 - 3096'			
		19-Feb-73 Tag fill at 3066 inside 4" liner. Circ clean to 3116 & fished all of 4" liner (258') out of hole Reverse circ sand clean to 3235' & jet washed OH.			
		5-Jul-73 Producing 11 bopd & 1 bwpd			
		9-Jun-74 Producing 36 bopd & 10 bwpd			
		12-Jul-74 C/O fill from 3100 - 3230' (130')			
		10-Sep-74 Producing 70 bopd & 13 bwpd			
		2-Apr-75 Producing 100 bopd & 6 bwpd			
		12-May-75 C/O fill from 3123 - 3230' (70')			
		3-Aug-75 Pumping 24 hrs, 129 oil & 0 wtr			
		3-Sep-76 Producing 56 bopd & 109 bwpd			
		4-Aug-77 Producing 62 bopd & 119 bwpd			
		2-Oct-78 Producing 58 bopd & 143 bwpd			
		20-Dec-93 Replaced 1 jt 2 3/8" tbg & installed new rod pmp			
		24-Jun-94 Replaced 18 - 3/4" rod boxes			
		8-Feb-95 Repair rod part Replaced 30 - 3/4" rod boxes. Change out pmp			
		25-Jan-97 C/O fill from 3103 - 3230' (127'). Re-ran prod equip replaced 46- 3/4" rods & couplings.			
		15-Dec-97 C/O fill rom 3110 - 3230' (120'). Washed 4 3/4" OH from 2983 - 3230' Acdz'd thru Sonic Hammer entire OH w/ 3,000 gals 15% NEFE HCL AIR=4.3 bpm, PM=1700 - 1374'. ISIP=Vacuum			
		25-Jun-99 POOH w/ prod equipment. Set CIBP @ 2820' on tbg Loaded well with pkr fluid Dmp 35' cmt on top of CIBP TOC and 2,785' Test csg to 500 psi Good tst Well TA'd 6 - 26- 99.			
		24-Feb-11 RIH w/ 4 3/4" bit, tagged at 2,795' Drilled cement plug and CIBP, cleaned out to 3,230' Hydrotest tubing & set PKR @ 2,925' RIH w/PKR on work string & set @ 2,925' Test casing to 500# - Held Acidized w/ 12,000 gals diverting w/ 15,000# rock salt AIR= 6 BPPMavg= 750# ISIP= 0#. RIH with injection string (2 3/8" IPC TBG) Pull Press Chart for OCD			
		02-May-11 POOH w/ injection string RIH with 4 3/4" bit Deepen well to 3,750' in 11 days Acidized open hole with 20,000 gals 15%, 90%/10%, acid/xylene at 6 bpm Diverted with 15,000#'s rock salt Pavg=1150#, ISIP= 400 psig MIT failed Isolate casing 325' to 355'. RIH with 95 jts, 3 1/2" 9 2 #/ft, supermax lnr, set at 2,932'. Cemented with 200 sxs Class C cement RIH with bit drilled float collar & float shoe and composite plug Cleaned out to 3,700'. RIH with injection string Pulled MIT for OCD.			
		Yates @ 3009'			
		Open Hole 2983 - 3750'			
		7-R @ 3230'			
		Queen @ 3595'			
		PBTD 3750 ft			
		TD 3750 ft			
		OH ID 4 75"			
		PREPARED BY.		Larry S Adams	
		Domingo Carrizales		UPDATED	
		17-Jun-11			

