

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103

June 19, 2008

RECEIVED
OIL CONSERVATION DIVISION

MAR 07 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. 30-025-32855
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 2509 Maurice Road, Odessa, TX 79763		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>D</u> : <u>825</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>West</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County		8. Well Number <u>415</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3307' GL		9. OGRID Number <u>263848</u>
10. Pool name or Wildcat Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G		

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: Clean Out and Foam Frac ☒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.

- MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
- RIH w/ 4 3/4" Bit and drill collars on 2 7/8" work string.
- Clean out to 3825' TD.
- RU Service Company & prep to fracture stimulate well down work string.
- Foam Sand Frac Perfs 3038'-3778' w/ approximately 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand; plus 1.71 MMCF Nitrogen diverting with 130 Bio Ball Sealers.
- RD Service Company. Install adjustable choke manifold w/ pressure gauge. Flow back well & clean up well, monitoring pressure and sand production until pressure depletes.
- POOH w/ 2 7/8" work string and lay down packer; clean out frac sand down to 3825'.
- RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
- 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 Melanie Reyes TITLE Engineer Assistant DATE 3/3/11

Type 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 3-8-2011

Conditions of Approval (if any):

CCH

WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME	WELL NO
		Cooper Jal Unit	415
		STATUS: Active	API# 30-025-32855
		LOCATION: 825 FNL & 330 FWL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico	
		SPUD DATE: 05/31/96 TD 3825 KB 3,322' DF	
		INT. COMP. DATE: 07/30/96 PBTD 3784 CL 3,307'	
		GEOLOGICAL DATA	
		ELECTRIC LOGS:	
		Temperature Survey (6-6-95 Halliburton)	
		SDL - DSN - CSNG from 3830 - 400' (6-5-95 Halliburton)	
		DLL - MSFL - Sonic from 3830 - 2700' (6-5-95 Halliburton)	
		CORES, DST'S, or MUD LOGS:	
		HYDROCARBON BEARING ZONE DEPTHTOPS:	
		Yates @ 3032' 7-Rivers @ 3241' Queen @ 3640'	
		CASING PROFILE	
		SURF. 8 5/8" - 24#, WC-50, ST&C set@ 420'. Cmt'd w/250 sxs - circ cmt to surface.	
		PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3825' Cmt'd w/7250 sxs - TOC @ 1150' from surface by Temperature Survey.	
		LINER. None	
		CURRENT PERFORATION DATA	
		OPEN HOLE :	
		CSG. PERFS:	
		12-Jun-95 Perf'd Langlie Mattix f/ 3540' - 43', 3556' - 62', 3640' - 46', 3706' - 10' w/ 4 spf	
		12-Jun-95 Perf'd Jalmat f/ 3076' - 3090' w/ 4 spf (56 holes total)	
		30-Jul-96 Perf'd Jalmat f/ 3038' - 48', 3054' - 58', 3111' - 20', 3154' - 58', 3302' - 04', & 3374' - 78' w/ 4 spf (156 holes total).	
		11-Apr-07 Perf'd Queen f/ 3774' - 78', 3752' - 55', 3736' - 40', 3724' - 27', 3714' - 16' & 3700' - 03'; Perf'd U. 7-R f/ 3508' - 15'; Perf'd Yates f/ 3302' - 05', 3334' - 40', 3222' - 26', 3173' - 77', 3164' - 67' & 3136' - 40', 50 feet,	
		TUBING DETAIL 8/20/10	
		ROD DETAIL 8/20/10	
		Length (ft) Detail	
		2800 89 2 7/8", 6.5# Super Max tbg	
		3 1 2 7/8" x 5 1/2" TAC	
		940 30 2 7/8", 6.5# Super Max tbg	
		1 1 2 7/8" SN	
		4 1 4" Perf Sub w/ Bull Plug	
		31 1 2 7/8" OEMA	
		3778'	
		Length (ft) Detail	
		20 1 26' x 1 1/4" polish rod w/ 7/8" Pin	
		0 1 1 1/4" x 1 1/2" x 14' liner	
		8 2 4', 4' - 3/4" pony rods	
		3575 143 3/4" steel rods	
		125 5 1 1/2" K bars w/ On/Off Tool	
		16 1 2 1/2" x 1 1/2" X 16' RHBC - HVR	
		0 1 1 1/4" x 1' Strainer Nipple	
		3744' btm	
		WELL HISTORY SUMMARY	
		12-Jun-95 Perf'd L. M. (Queen)f/ 3540'-3710'. Acdd'z'd w/ 2,000 gals 7 1/2% NEFE HCL & Frac'd w/43,600 gals 35# XL 2% KCl carrying 150,000#s 16/30 brady sand. Perf'd Yates f/ 3076'-90'. Acdd'z'd w/ 3,000 gals 7 1/2% NEFE HCL & Frac'd w/ 43,000 gals 35# XL 2% KCl carrying 220,000#s sand. IP=46 bopd, 42 bwpd, & 40 Mcfgpd (pumping)	
		30-Jul-96 Perf'd Jalmat (Yates) f/ 3038'-48', 3054'-58', 3111'-20', 3154'-58', 3302'-04', & 3374'-78' w/ 4 spf (156 holes). Acdd'z'd perfs 3111'-3378' w/1,800 gals 15% NEFE HCL dropping 130 7/8" RCN Ball Sealers. AIR= 10 bpm @ 1900 psig. ISIP= vacuum. Acdd'z'd perfs 3038'-3058' with 1,200 gals 15% NEFE HCL dropping 90 7/8" RCN Ball Sealers. AIR= 10 bpm at 1950 psig. ISIP= 570 psi. P5min= vacuum. Commingle all perfs 3038'-3710'. Before WO: 8 bopd, 50 bwpd, & 20 mcfgpd.	
		After WO: 14 bopd, 52 bwpd & 29 Mcfgpd.	
		11-Mar-97 Replaced 67 rods. Returned well to production.	
		24-Apr-97 Replaced 67 rods. Returned well to production.	
		24-Apr-97 Replaced PC pump with conventional rod pump. Returned well to production.	
		12-Apr-99 C/O fill from 3711' - 3720' (9'). Replaced 50 jts tbg & 40 3/4" rod boxes. Returned well to production.	
		27-Sep-01 Replaced rod pump. Returned to production.	
		11-Apr-07 POOH w/ rods, pump & rods. RIH w/ 4 3/4" Mill Tooth bit, on 2 7/8" work string. Tagged at 3673'. C/O to 3730'. Circ'd formation sa scale, iron sulfite & metal. C/O f/ 3725' to 3784', recovered formation sand, scale iron sulfite, BS & metal. RIH with 5 1/2" AST PKI set at 2994', test casing to 500# - okay. Perf'd Queen f/ 3774'-78', 3752'-55', 3736'-40', 3724'-27', 14'-16' & 3700'-03'; Perf'd Upp 7-Rivers f/ 3508'-15', Perf'd Yates f/ 3302'-05', 34'-40', 3222'-26', 3173'-77', 64'-67' & 36'-40', 50 feet, 150 holes. CO2 Foam Acid Frac the Langlie Mattix (3508'-3778') w/160 bbls 15% NEFE acid + 44 Tons CO2 diverted w/ 6000# rock salt. AIR= 13.6 BPM. Pmax= 5001#, Pavg= 3438'. ISIP= 471#. CO2 Foam Acid Frac Jalmat (3302'-3378') w/ 262 bbls 15% NEFE acid + 131 Tons CO2 diverted w/9000# RS. AIR= 18.3 bpm. Pmax= 5090#. Pavg= 4151#. ISIP= 823#. Next day SITP= 700 psig. Flow test for 9 hours: 29 bbls, show of oil and gas. FTP= 525#. SION. Next day SITP= 700#. Flow test for 9 hours: 38 bbls fluid w/ 5% oil cut z27 gas show. Ending FTP= 100#. SION. Next day, killed well. POOH w/ frac tubing & PKR. RIH Prod string. PWOP.	
		05-Jun-09 POOH w/ rods, pump & tubing. RIH w/ Gray Wireline Tag Bar. Tagged @ 3784'. RIH with Pressure Gradient Tool, took reading ev 500'. Hydrotest tubing in hole to 7000#. RIH with pump and rods. Pressure @ 3,000' = 316 psig. PWOP.	
		19-Aug-10 POOH with fods, pump and tubing. Hydrotest tubing to 7,000 psig - found hole on joint above SN and collar leak on 10th joint. RIH with pump and rods. Load tubing with 13 bbls water and test pump to 500 psig - good pump action. PWOP.	
		PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 27-Sep-10	

Surface Csg

Hole Size: 8 5/8 in
Csg Size: 8 5/8 in
Set @: 420 ft
Sxs Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg

Hole Size: 7 7/8 in
Csg Size: 5 1/2 in
Set @: 3825 ft
Sxs Cmt: 725
Circ: Yes
TOC @: 1150 f/surf
TOC by: TS

New Perfs

Yates @ 3032'

3038'-48'

3054'-58'

3076'-90'

3111'-20'

3154'-58'

7-R @ 3241'

3302'-04'

3374'-78'

3508'-15'

3540'-43"

3556'-62'

Queen @ 3640'

3640'-46'

3706'-10'

3714'-16'

3724'-27'

3736'-40'

3752'-55'

3774'-78'

PBTD: 3784 ft
TD: 3825 ft