

Submit 3 Copies To Appropriate District Office
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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.	30-025-09643
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	306443
7. Lease Name or Unit Agreement Name	Cooper Jal Unit
8. Well Number	130
9. OGRID Number	263848
10. Pool name or Wildcat	Jalmat; T-Y-7R/ Langlie Mattix; 7R-Q-G
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	3320' KB

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 ☐	
2. Name of Operator	Resaca Operating Company
3. Address of Operator	2509 Maurice Road, Odessa, TX 79763
4. Well Location	Unit Letter <u>K</u> : <u>1650</u> feet from the <u>South</u> line and <u>1650</u> feet from the <u>West</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM Lea County
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3320' 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: 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.

- 1.) MIRU Pulling Unit and Above Ground Steel Pit; NU BOP; POOH w/ rods and tubing.
 - 2.) RIH w/ 4 3/4" Bit and drill collars on 2 7/8" work string.
 - 3.) Clean out to 3790' TD.
 - 4.) RU Service Company & prep to fracture stimulate well down work string.
 - 5.) Foam Sand Frac Perfs 3046'-3460' and OH 3470-3790' w/ approximately 105,000# 16/30 Brady Brown Sand & 105,000# 16/30 resin coated Brady Brown Sand (tag sand w/ R/A: Iri- 192 Iridium & Sc-46 Scandium); plus 1.71 MMCF Nitrogen diverting with 130 Bio 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 3790' TD.
 - 8.) RIH w/ 2 7/8" tubing. RIH w/ pump and rods.
 - 9.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.
- *Amended Step 5 to tag sand w/ two radioactive tracers

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 4/18/11

Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaeexploitation.com PHONE: (432)580-8500
For State Use Only

APPROVED BY: [Signature] TITLE STAFF MGR DATE 4-19-2011
Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY							
CURRENT COMPLETION SCHEMATIC		Cooper Jal Unit		WELL NO 130			
Surface Cas Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 280 n Sss Cmt: 150 Circ: Yes TOC @: surf IOC by: circ Csg leak @ 300 - 331' Bq'd w/ 27 sss cmt IOC @ 1000' by Calc Yates @ 3020' Jalmat Yates 3040 - 55' 3061 - 78' 3082 - 80' 3107 - 16' 3130 - 42' 3154 - 74' 3182 - 09' 3210 - 20' 7-Rivers @ 3238' 3234 - 40' 7-Rivers 3281 - 80' 3288 - 3303' L. M. 3437 - 47' 3452 - 60' Queen OH Interval # Queen @ 3610' Production Cas Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3470 n Sss Cmt: 300 Circ: No TOC @: 1800 ft surf IOC by: calc PHID: 3700 n ID: 3700 n OHID 4.34 n		LEASE NAME Active		Oil			
		LOCATION: 1050 FWH, 1050 FWH, Sec 24, T - 24S, R - 30E, Lea County, New Mexico		API# 30-025-09643			
		SPUD DATE: 11-01-79		ID 3700		KH 3,320'	
		INT. COMP. DATE: 04/27/84		PHID 3700		GL	
ELECTRIC LOGS: OH-N from 0 - 3651' (4-70-54 Schlumberger) Temperature Survey (4-17-54 AP/EX)		GEOLOGICAL DATA Injectivity Profile (6-4-73 WACO) CR-CCL (10-28-93 Halliburton)		CORES, DST'S, or MUD LOGS.			
HYDROCARBON BEARING ZONE DEPTHTOES: Yates @ 3020' 7-Rivers @ 3238' Queen @ 3610'		Casing Profile SURF. 8 5/8" - 280, 11-40 set @ 280' Cmt'd w/ 150 sss - circ cmt to surf. PROD. 5 1/2" - 148, 11-40 set @ 3470' Cmt'd w/ 300 sss - TOC @ 1800' from surf by calc. LINER None		CURRENT PERFORATION DATA CSG. PERFS: 02-Nov-03 Perf'd Yates // 3040 - 55', 3061 - 78', 3082 - 80', 31 & 3154 - 74' w/ 2 spt (142 - 0.56" dia holes) 05-Jul-05 Perf'd Yates // 3192'-09', 3210'-20' & 3234'-40' 05-Jul-05 Perf'd 7-Rivers // (3281'-80', 3288'-3303', 3437'-47' & 3452'-60'), 61 ft 2 JHPP, 122 holes.			
TUBING DETAIL Length (ft) Detail 2610 83 2 7/8" 6.5#, J-55, super max tbg. 3 1 5 1/2" x 2 7/8" TAC 805 26 2 7/8" 6.5#, J-55, super max tbg. 1 1 2 7/8" SN 6 1 2 7/8" Perf Sub 31 1 2 7/8" 6.5#, J-55, super max OEMA 3450 btm		ROD DETAIL Length (ft) 20 1 20' x 1 1/4" polish rod w/ 7/8" pin 0 1 1 1/4" x 1 1/2" x 14' liner 18 3 4', 6', 8' - 7/8" new D pony rods 1825 61 7/8" new D steel rods 1675 63 3/4" new D steel rods 250 10 1 1/4" slinker bars 10 1 2 1/2" x 2" X 10' pump PAP 40 ring 0 1 1 1/4" x 8' sand screen 50 slot 3404 btm		WELL HISTORY SUMMARY 22-Apr-54 IC Interval: 3470 - 3550' (7 RVRs OH), Frac'd w/ 4,000 gals & 0.000#s sand, IP = 234 bopd (flowing) 30-Apr-71 Converted to Injection well. 04-Jun-73 Ran injectivity profile. 15-Apr-03 C/O // 3510 - 62' (Iron Gullfido, Paraffin & Formation). Side jet & ncld'd OH (3470'-3562') w/ 4,000 gals 15% NEFEG HCl w/ 80 gals mutual solvent & 110 gals Checkersol using 1500#s rock salt in 4 stages. Isolated 5 1/2" csg leak // 300'-331'. Cmt sq'd csg leak w/ 27 sss cmt. Drkt out & 1st csg to 300 psi. OK. RIH w/ pkr on 2 3/8" CL tbg. Could not get PKR to pressure test @ 3440'. Reset pkr @ 3416'. Initiated injection at 203 bwpd @ TP=660 psi. 02-Nov-03 Ran GR-CCL. Set BP @ 3385'. Perf'd Yates 3046'-3174' w/ 2 spt (142 holes) Frac'd perfs w/ 54,012 gals 30# gel, 187,480#s Brndy sand, 41,040#s 12/20 resin coated sand, AIR=34 bpm, PM=7200 - 2600 psi, C/O to 3385'. Returned well to production, IP = 61 bopd, 179 bwpd, & 24 Mcfppd. 10-Jun-04 C.O fill from 3053' - 3385'. Returned well to production. 23-Dec-04 C.O fill from 3163' - 3300'. Returned well to production. 14-Feb-06 Tagged fill @ 3227'. Did not C/O fill. Lowered tbg 2 jts. Added rods & changed out pmp. PWOP. 10-Nov-01 Replaced 1 jt tbg. Pickled tbg w/ 1200 gals 2% acid. Swab back. Replaced 50 - 3/4" rod boxes & pmp. PWOP. 05-Jul-05 POOH w/ rods & pump. Scanologed tbg out hole: 33 yellow, 7 blue, 13 double green, 10 single green and 27 red. RIH w/ 4 3/4" mill tooth bit & 20 - 3 1/2" on 2 7/8" tbg & tagged cmt at 3304'. Drilled cmt & CIBP @ 3425'. RIH w/ 2nd mill tooth bit, drilled // 3554' to 3560' - recovered formation. Drilled // 3560' to 3692' in 3 1/2 day-lime days, bit wore out. RIH w/ 3rd mill tooth bit, drilled // 3714' to TD @ 3795' in 11 1/2 hrs. Ran CNL // new TD @ 3795' to 2000'. Oil shows at 3780'-90'. Perf'd Yates (3192'-09', 3210'-20' & 3234'-40') & 7-R (3281'-80', 3288'-3303', 3437'-447' and 3452'-60'), 61 feet, 2 JHPP, 122 holes. Hydrotest 3 1/2" tubing in hole to 7000#, set 5 1/2" dual frac packer at 3375'. Frac'd Langlo Matlix (7-Rivers) perfs (3437'-3480') & open hole (3470'-3790') w/ 62,391# 20/40 mesh sand. Pavg= 1794# at 25 bpm, ISIP= 1070#. Slick water frac'd Jalmat perfs (3046'-3303') w/ 27,789# 20/40 mesh sand. Pavg= 1754# at 25 bpm, ISIP= 1070#. Cleaned out frac sand to 3790'. RIH with new super max tubing, pump and rods. PWOP. 18-Oct-05 POOH w/ parted rod (4th - 7/8" body break). POOH w/ tubing & pump. RIH with tubing, pump and rods. PWOP. 31-Oct-05 POOH w/ parted (body break) 23rd - 7/8" rod. Laid rod string due pitting. RIH w/ tubing, pump & rods. PWOP. 05-Mar-08 POOH w/ rods, pump was stuck. POOH w/ tbg & pump. Laid down 3 body pitted jts. RIH w/ tbg, pump & rods. PWOP. 07-Jul-09 POOH with parted 6th 3/4" rod, rods and pump. POOH with tubing - replaced 20 bad tubing joints. Hydrotest tubing - found hole on joint above SN. RIH with pump and rods. PWOP.			
PREPARED BY: Larry S. Adams Domingo Carrizales		UPDATED: 28-Jul-00					