

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

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. 30-025-09637
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 Street, Suite 1450 Houston, TX 77010		7. Lease Name or Unit Agreement Name Cooper Jal Unit
4. Well Location Unit Letter <u>H</u> : <u>1650</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line Section <u>24</u> Township <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County		8. Well Number <u>127</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3312' KB		9. OGRID Number 263848
		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: Drilled CIBP, cleaned out to TD, DHC ☒

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1.) MIRU Pulling Unit & Above Ground Steel Pit.
- 2.) POOH w/ production string; RIH w/ 4 3/4" Bit, Drill Collars.
- 3.) Drill CIBP @ 3354' & drill out to TD @ 3541' (DHC Jalmat and Langlie Mattix)
- 4.) POOH w/ tubing, lay down drill collars & Bit; hydrotest tubing.
- 5.) RIH w/ production string.
- 6.) RDMO Pulling Unit, clean location, clean & dispose of pit fluids.

Oil Conservation Division
Conditions of approval: Approval for drilling/workover
ONLY--- CANNOT produce Downhole Commingled until
DHC is approved in Santa Fe.

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

TITLE

Engineer Assistant

DATE

12/22/11

Type or print name

Melanie Reyes

E-mail address:

melanie.reyes@resacaexploitation.com

PHONE:

(432) 580-8500

For State Use Only

APPROVED BY:

TITLE

Compliance Officer

DATE

1-18-2012

Conditions of Approval (if any):

JAN 23 2012

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME

Cooper Jal Unit

WELL NO.

127

STATUS

Active

Oil

API#

30-025-09637

LOCATION

1650 FNL & 990 FEL, Sec 24, T - 24S, R - 36E, Lee County, New Mexico

SPUD DATE

TD

3541

KB

3,312'

DF

INT COMP DATE

08/01/54

PBTD

3537

GL

3,304'

ELECTRIC LOGS

GEOLOGICAL DATA

CORES, DST'S or MUD LOGS.

GR-N from 100 - 3541' (5-27-54 Schlumberger)
GR-CCL (8-19-93 Halliburton)

HYDROCARBON BEARING ZONE DEPTH TOPS.

Yates @ 3018'

7-Rivers @ 3238'

Queen @ 3600'

CASING PROFILE

SURF 8 5/8" - 24#, J-55 set @ 290' Cmt'd w/150 sxs - circ cmt to surf

PROD 5 1/2" - 14#, J-55 set @ 3460' Cmt'd w/200 sxs - TOC @ 2405' from surf by calc DV tool @ 1205' - pmp 100 sxs -

LINER None 5 1/2" - TOC @ 675' f/ surf by calc

CURRENT PERFORATION DATA

CSG PERFS

OPEN HOLE

isolated below CIBP @ 3354'

19-Aug-93 Perf'd Jalmat (Yates): 3019'-3021' 3026'-3048', 3064'-3077', 3090'-3095', 3105'-3118', 3130'-3141', 3148'-3176',

3183'-3187', 3194'-3198' & 3218'-3229', 2 spf (10 intervals - 244 holes)

23-Mar-11 Perf'd Yates f/ 3048'-3057', 3059'-3064', 3077'-3090', 3094'-3096', 3114'-3130', 3141'-3143', 3192'-3194', 3204'-3208', 3211'-3213',
3231'-3239', Perf'd 7-Rivers f/ 3242'-3246', & 3284'-3298', 2 JHPF

TUBING DETAIL

11/16/2011

ROD DETAIL

11/16/2011

Length (ft)

Detail

Length (ft)

Detail

2875

92

2 7/8" 6 5#, J-55, 8rd EUE tbg

18

1

26' x 1 1/4" polish rod w/ 7/8" pin

3

1

5 1/2" x 2 7/8" TAC

0

1

1 1/4" x 1 1/2" x 14' liner

158

5

2 7/8" 6 5#, J-55, 8rd EUE tbg

12

3

2', 4', 6' x 7/8" grade D pony rod

32

1

2 7/8" Super Max Blast Joint

1450

58

7/8" D steel rods

1

1

2 7/8" SN

975

39

3/4" D steel rods

4

1

2 7/8" Perf Sub

600

24

1 1/2" sinker bars

19

1

2 7/8" Desander

20

1

2 1/2" x 1 1/2" X 16" RWBC pump

128

1

2 7/8" tubing with Bull Plug MA

0

1 - 1/14" Strainer

3220

3075 btm

WELL HISTORY SUMMARY

01-Jun-54 Initial completion interval: 3460 - 3541' (7 RVRS/Queen OH). Frac'd w/4,000 gals oil & 6,000#s sand

IP=248 bopd, 0 bwpd & 185 Mcfgpd (flowing)

15-Nov-58 C/O from 3535 - 3541' (6' of fill) Placed well on rod pump After WO 30 bopd, 0 bwpd, & GOR=1,238

11-Aug-71 CONVERTED TO WATER INJECTION: C/O from 3527 - 37' Ran 2 3/8" CL tbg & set pkr @ 3398'

19-Aug-93 Set 5 1/2" CIBP @ 3354'. Perf'd (Jalmat) from 3019'-3229' w/ 2 spf (10 intervals - 244 holes). Frac w/ 63,000
gals spectra frac G-3000 & 255,340#s 12/20 sand AIR=35 bpm, PM=2990-1935 psi ISIP = 1249 psi C/O f/ 2825'-
3347' RIH w/ tbg, rods & pmp PWOP After WO: 50 bopd, 36 bwpd, & 42 Mcfgpd.

16-Jul-94 C/O fill 3248 - 3389'

23-Jan-95 Tag fill @ 3312' Did not C/O well

19-Mar-97 Tag fill @ 3305' Did not C/O well

17-Dec-99 Tag fill @ 3302' Did not C/O well

18-Apr-00 C/O rod pump & tst tbg to 500 psi OK Ac'd'd tbg w/500 gals acid & swab back RIH w/pmp & rods PWOP

16-Apr-02 Pull stuck pump Pulled tubing Ran back in hole Placed on pump

12-Dec-02 Knocked out bridge in Perfs @ 3146' and C/O to 3245' could not C/O any further (solid) dropped 20 acid sticks

08-Jan-04 POOH with rods and pump Tagged at 3230' RIH with pump and rods PWOP

05-Aug-04 POOH w/ rods & pump Tagged at 3233' Bailed f/ 13' to 3246' Could not make anymore hole Recovered 20' of
of scale RIH with tubing and set TAC with 18,000# RIH pump and rods PWOP Laid down 8 - 7/8" & 18 - 3/4"
rods due to pitting, bottom 30 rods had scale on shoulder of the rods

08-Oct-04 Pump 50 bbls of produced water with 10 gals surfactant down tubing

22-Nov-04 POOH w/ rods, pump & tbg RIH w/ tbg & tagged at 3,229' RIH w/ 2 7/8" Notched Collar & tbg bailer and cleaned

26' of scale RIH with production tubing, pump and rods PWOP

28-Dec-04 POOH w/ rods, pump & tubing Replaced sand screen w/ perf sub RIH w/ new 2 7/8" Super Max Blast Joint PWOP

09-Nov-07 POOH with rods and pump RIH with repaired pump and rods PWOP

23-Mar-11 POOH with production string RIH with PKR and set at 2987' Test csg to 500 psig - held RIH with 4 3/4", cleaned out to 3200' RIH
4 3/4" concave mill - cleaned out to 3,354' Perf'd Yates f/ 3048'-3057', 3059'-3064', 3077'-3090', 3094'-3096', 3114'-3130', 3141'-
3143', 3192'-3194', 3204'-3208', 3211'-3213', 3231'-3239', Perf'd 7-Rivers f/ 3242'-3246', & 3284'-3298', 2 JHPF Foam Sand Frac'dN2 and 155,000# 16/30 mesh sand with 50% resing coated ISIP= 2430# Flowed well - all gas, pressure depleted Laid down
4 1/2" work string. RIH with 4 3/4", cleaned out from 3,127' to 3,354' with 4 3/4" mill RIH with production string PWOP

30-Sep-11 Long strike well PWOP

11/11/11 POOH with prod string RIH 4 3/4", tagged at 3,311, D/O CIBP at 3,354' Cleaned out to 3,541'. Hydrotest tubing in hole to 7,000#

Surface Csg

Hole Size 12 1/4

Csg Size 8 5/8 in

Set @ 290 in

Sxs Cmt 150 ft

Circ Yes

TOC @ surf

TOC by circ

TOC @ 675'

by calc

DV Tool @ 1205'

TOC @ 2405'

By Calc

Yates @ 3018'

2 spf

3019'-21'

3026'-48'

3048'-3057'

3059'-3064'

3064'-77'

3077'-3090'

3090'-94'

3094'-3096'

3105'-18'

3114'-3130'

3130'-41'

3142'-3143'

3148'-76'

3183'-87'

3192'-3194'

3194'-98'

3204'-3208'

3218'-29'

3211'-3213'

3231'-3239'

7-Rivers @ 3238'

Top of Fill

at 3266'

CIBP @ 3354'

Production Csg.

Hole Size 7 7/8 in

Csg Size 5 1/2 in

Set @ 3460 ft

Sxs Cmt 300

Circ No

TOC @ 675 f/ surf

TOC by calc

OH Interval

3460 - 3541'

Iso below CIBP

PBTD 3537 ft

TD 3541 ft

OH ID 4 3/4

Queen @ 3600'

PREPARED BY

Larry S. Adams

Domingo Camzales

UPDATED

08-Dec-11