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

HOBBS OCD
JAN 26 2012
RECEIVED

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

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-26284	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No. 306443	
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.)	7. Lease Name or Unit Agreement Name Cooper Jal Unit
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	8. Well Number 154
2. Name of Operator Resaca Operating Company	9. OGRID Number 263848
3. Address of Operator 1331 Lamar Street, Suite 1450 Houston, TX 77010	10. Pool name or Wildcat Jalmat T-Y-7R/ Langlie Mattix 7R-Q-G
4. Well Location Unit Letter G : 1550 feet from the North line and 2400 feet from the East line Section 25 Township 24S Range 36E NMPM Lea County	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3296' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: Drill CIBP & clean out well 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 and Above Ground Steel Pit. POOH w/ Plunger, rods, & tubing.
2.) RIH w/ 4 ¾" Bit, drill collars on 2 7/8" tubing; PU Swivel and drill CIBP @ 3200'.
3.) Drill and clean out to TD @ 3655', circulate well clean.
4.) RIH w/ tubing & Hydrotest tubing in hole, RIH w/ plunger and rods.
5.) RDMO Pulling Unit, clean location, clean and dispose of pit fluids.
* C-107A submitted to NMOCD in Santa Fe, awaiting approval

Form C-104 is required for each zone after DHC is approved by OCD Santa Fe office Also form Form C-105 completion with all perfs and 24 hr production test. Forms to be sent to OCD Hobbs office for approval before transporting production from Downhole commingling

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 1/3/12

Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432) 580-8500

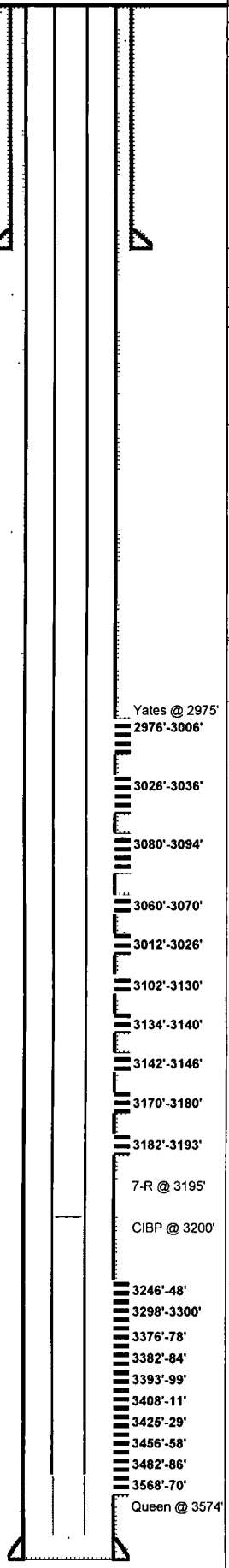
For State Use Only

APPROVED BY: _____ TITLE _____ DATE FEB 03 2012

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



Surface Csg
Hole Size 11 in
Csg Size 8 5/8 in
Set @ 365 ft
Sxs Cmt 300
Circ Yes
TOC @ surf
TOC by circ

Production Csg.
Hole Size 7 7/8 in
Csg Size 5 1/2 in
Set @ 3655 ft
Sxs Cmt 600
Circ Yes
TOC @ surface
TOC by circ

PBTD 3165 ft
TD 3655 ft

LEASE NAME	**Cooper Jal Unit** Proposed		WELL NO **154**
STATUS	Active	Oil	API# **30-02526284**
LOCATION	1550 FNL & 2400 FEL, Sec 25, T - 24S, R - 36E, Lee County, New Mexico		
SPUD DATE	TD 3655	KB 3,304'	DF
INT COMP DATE	05/11/79 PBTD 3165	GL 3,296'	

GEOLOGICAL DATA

ELECTRIC LOGS
Forxo Guard (Resistivity) Log (4-30-79 WELEX)
GR-CND (4-30-79 Welex)
GR-N (5-3-79 Welex)
GR-CCL (6-29-99) Schlumberger

CORES, DST'S or MUD LOGS

HYROCARBON BEARING ZONE DEPTH TOPS

Yates @ 2975' 7-Rivers @ 3195' Queen @ 3574'

CASING PROFILE

SURF.	8 5/8" - 24#, K-55 set@ 365' Cmt'd w/300 sxs - circ cmt to surface
PROD.	5 1/2" - 15.5#, K-55 set@ 3655' Cmt'd w/600 sxs - cmt circulated to surface
LINER	None

CURRENT PERFORATION DATA

CSG PERFS OPEN HOLE

11-May-79 **Perf'd 7-Rivers** f/ 3246 - 3570' 1 spf (19 holes total)
08-Jul-99 **Perf'd Yates** f/2976 - 3006', 3026 - 46' & 3080 - 94' w/ 2 spf (116 holes total)

TUBING DETAIL 12/28/11

Length (ft)		Detail
0		KB
2928	96	2 7/8" 6 5#, J-55, 8rd EUE tbg
3	1	5 1/2" x 2 7/8" TAC
488	16	2 7/8" 6 5#, J-55, 8rd EUE tbg
4	1	2 7/8" Tubing Sub
1	1	2 7/8" SN
4	1	2 7/8" Tubing Sub
19	1	2 7/8" De-sander
121	4	3" Mud Anchor
3568		btm

ROD DETAIL 12/29/11

Length (ft)		Detail
18	1	26' x 1 1/4" P R w/ 7/8" Pin
14	2	8',6' x 1" pony rods
1100	44	1" steel rods
1675	67	7/8" steel rods
600	24	1 1/2" sinker bars
1	1	1' x 1" lift rod
12	1	2 1/2" x 2" X 20' RHBC rod pump w/HVR
0	1	16' x 1" GA
3420		

WELL HISTORY SUMMARY

11-May-79 IC. **3246 - 3570' (7-R/Q).** Acdz'd w 4,500 gals & Frac'd w/40,000 gals carrying 34,000#'s 20/40 sand & 15,000#'s 10/20 sand in 2 equal stages Max sand concentration reached was 2 ppg **IP=264 bopd, 24 bwpd, & 113 Mcfgpd (pmpg).**
18-Jun-83 Replaced 1 jt tbg.
15-Nov-86 DSI 72 hr. pressure build-up
10-Aug-88 C/O fill from 3505 - 3614' (109') Acdz'd w/2,500 gals 15% NEFE HCL dropping 25 ball sealers. Before WO 7 bopd, 12.7 bwpd & 2 6 Mcfgpd. **After WO: 11.2 bopd, 52 bwpd & 10 Mcfgpd**
14-Dec-95 Cut parrafin in top 1,000' of tbg. Acdz'd perfs 3246 - 3570' w/3,000 gals 20% NEFE HCL in 3 stages w/ 2 - 1,000# rock salt blocks AIR=3 bpm @ 650 psi Returned well to production
08-Jan-96 Change out rod pump
08-Jul-99 Set **CIBP @ 3200'**. Tst csg @ 550 psi Good tst **Perf'd 2976'-3006', 3026'-46' & 3080'-94' w/ 2 spf - 120 degree (116 holes total)** Ran dmp bailer & dmp 35' of cmt on top of CIBP. **PBTD @ 3165'.** Acdz'd 3,000 gals 15% NEFE HCL using 2,000#'s RS in 4 stages AIR=3 bpm @ 2,000# ISIP=840#, P15min=460# Frac w/16,249 gals X-link fluid carrying 52,000#'s 16/30 brady sand AIR=30 bpm @ 1432# ISIP=1021#, P15min=950# C/O sand to 3195' PWOP
21-Sep-99 Change out rod pump.
28-Feb-02 Hydrotest in hole Replaced 1 jt tbg
29-Oct-02 Hydrotest in hole Replaced 3 jt tbg Placed well on pump.
10-Apr-03 Set a Bethlehem 228 pumping unit
21-Jul-06 Long stroke well
04-Dec-06 POOH w/rods, pump & tbg Hydrotest tbg in hole to 7000# - found split 92nd & pin hole on 1st jt PWOP
07-Feb-11 POOH w/rods, pump & tbg. RIH w/ 4 3/4" bit, tagged at 3,130' Clean out to CIBP at 3,200'. RIH w/ 5 1/2" PKR, tagged tight spots at 3,130' Test casing to 500 psig **Perf'd Yates** f/ 3170'-80', 3182'-93', 3134'-40', 3142'-46', 3102'-30', 3,012'-26' & 3,060-'70', 82', 160 holes RIH 5 1/2" PKR on 4 1/2" work string Set PKR at 2,875', test annulus to 500 psig Foam Sand Frac'd w/ 100,000 # 16/30 sand ProPetro line busted close to Frac Valve Pumped only ist stage of job Had oil shows on flow back POOH w/ 4 1/2" work string & PKR Clean out frac sand from 3,150' to CIBP @ 3,200' Hydrotest 2 7/8" production string to 7,000 psig RIH with pump and rods PWOP
12-Aug-11 Long Stroke Well
29-Aug-11 POOH & laid down67- 3/4' rods POOH with tubing Hydrotest to 7000# - burst 99th & 98th joints Ran Press Gradient PWOP
22-Nov-11 POOH with with plunger, rods and tubing. Hydrotest tubing to 7000# - burst 1 joint RIH with plunger and rods PWOP

Drill Out CIBP @ 3200' to open Langlie Mattix below

PREPARED BY	Larry S Adams	Domingo Carrizales	UPDATED	16-Jan-12