DATE IN 1.20.12	SUSPENSE	ENGINEER WVJ	LOGGED IN 1.20.12	TYPE DHC 4503	APP NO. pTGW 1202048339

ABOVE THIS LINE FOR DIVISION USE ONLY

RESACA 263848

Cooper Jal U #177 #141

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau - 4503
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] (#127) 30-025-09637

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

H-24-24S-36E

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☑ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery (#141) 30-025-11292
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

D-30-24S-37E

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ✓Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

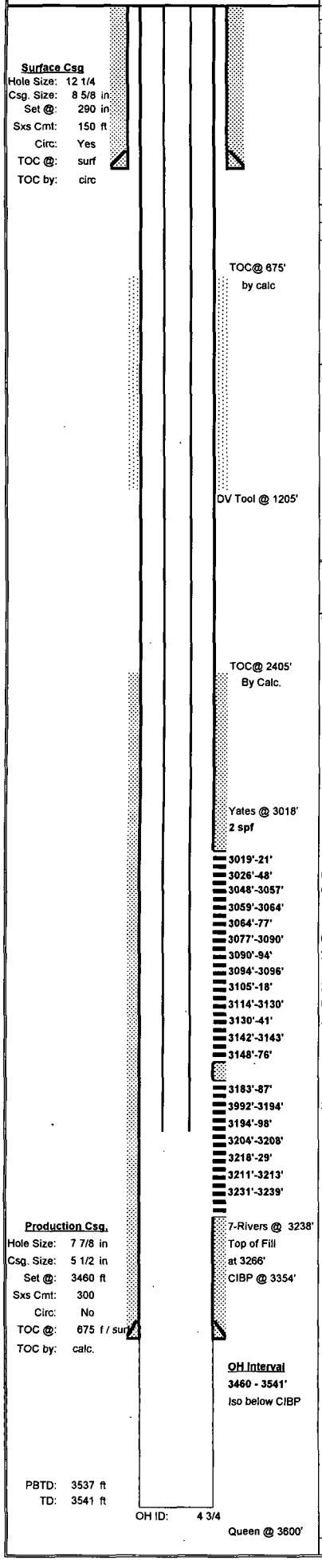
Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Melanie Reyes		Engineer Assistant	1/18/12
Print or Type Name	Signature	Title	Date

melanie.reyes@resacaexploitation.com
e-mail Address

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: 06/01/54	PBTD 3537	GL 3,304'	

GEOLOGICAL DATA

ELECTRIC LOGS:

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

CORES, DST'S or MUD LOGS:

HYROCARBON 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

Length (ft)		Detail
2875	92	2 7/8" 6.5#, J-55, 8rd EUE tbg.
3	1	5 1/2" x 2 7/8" TAC
158	5	2 7/8" 6.5#, J-55, 8rd EUE tbg.
32	1	2 7/8" Super Max Blast Joint
1	1	2 7/8" SN
4	1	2 7/8" Perf Sub
19	1	2 7/8" Desander
128	1	2 7/8" tubing with Bull Plug MA
3220		

ROD DETAIL 11/16/2011

Length (ft)		Detail
18	1	26' x 1 1/4" polish rod w/ 7/8" pin
0	1	1 1/4" x 1 1/2" x 14' liner
12	3	2', 4', 6' x 7/8" grade D pony rod
1450	58	7/8" D steel rods
975	39	3/4" D steel rods
600	24	1 1/2" sinker bars
20	1	2 1/2" x 1 1/2" X 16' RWBC pump
0		1 - 1/14" Strainer
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. Acdz'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'd N2 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 strke well. PWOP.

PREPARED BY:	Larry S. Adams	Domingo Carrizales	UPDATED:	08-Dec-11

RESACA
OPERATING COMPANY

January 18, 2012

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
Attention: Terry Warnell

Re: Application to Downhole Commingle
Jalmat/Langlie Mattix Pools
Cooper Jal Unit #127, 141
Unit Letter H, D; Sec. 24, 30; T24S, R36E, R37E
Lea County, New Mexico

Resaca Operating Company respectfully requests administrative approval to downhole commingle the Jalmat and the Langlie Mattix Pools within the subject wellbores. Notification of offset operators is not an issue given the fact that Resaca offsets all of the wells.

Downhole Commingling these wells will provide a more economical and efficient means of production. It will allow complete development of the productive capacity on the subject lease by allowing both pools to be artificially lifted simultaneously. This will extend the life of both completions, thereby preventing waste.

The subject wells meet all of the requirements of Rule 303 (C). All produced fluids from other downhole commingled wells have entered a common production facility with no fluid compatibility problems.

If you have any questions, please contact Domingo Carrizales at (432) 580-8500.

Sincerely,

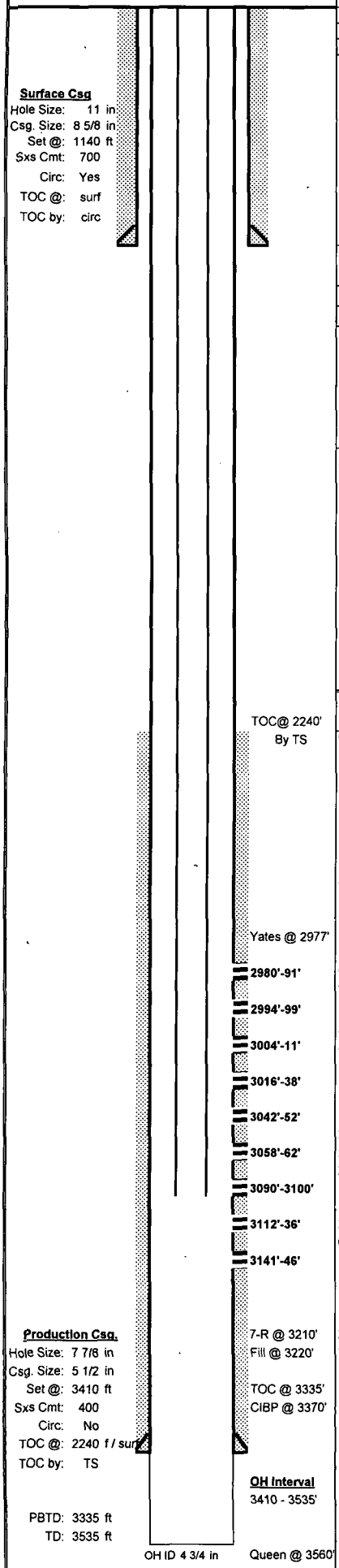
Domingo Carrizales
District Engineer

cc: NMOCD/Hobbs

2509 Maurice Road Odessa, Texas 79763
main: 432.580.8500 fax: 432.580.8501
www.resacaexploitation.com

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



LEASE NAME	Cooper Jal Unit		WELL NO 141
STATUS:	Active	Oil	API# 30-025-11292
LOCATION:	330 FNL & 330 FWL, Sec 30, T - 24S, R - 37E; Lee County, New Mexico		
SPUD DATE:	TD 3535	KB 3,292'	DF
INT. COMP. DATE: 09/09/55	PBTD 3335	GL 3,279'	

GEOLOGICAL DATA

ELECTRIC LOGS:

GR-N from surface - 3535' (9-6-55 Lane Wells)
Temperature Survey (9-1-55 Halliburton)
GR-CCL from 2800 - 3425' (10-5-93 Halliburton)

CORES, DST'S or MUD LOGS:

HYROCARBON BEARING ZONE DEPTH TOPS:

Yates @ 2977' 7-Rivers @ 3210' Queen @ 3560'

CASING PROFILE

SURF.	8 5/8" - 24#, J-55 set@ 1140' Cmt'd w/700 sxs - circ cmt to surf.
PROD.	5 1/2" - 14#, J-55 set@ 3410' Cmt'd w/400 sxs - TOC @ 2240' from surface by Temp. Survey.
LINER	None

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE : 3410 - 3535'

4-Oct-93 **Perf'd Yates (Jalmat)** f/ 2980 - 91', 2994 - 99', 3004 - 11', 3016 - 38', 3042'-52', 3058'-62', 3085'-88', 3090'-3100', 3112 - 36', 3141 - 46' w/ 2 spf (202 holes total - 0.56 dia., 120 deg phasing)

TUBING DETAIL 12/1/2011

Length (ft)		Detail
2535	78	2 7/8" 6.5#, J-55, 8rd EUE tbg.
3	1	5 1/2" x 2 7/8" TAC
360	11	2 7/8" 6.5#, J-55, 8rd EUE tbg.
31	1	2 7/8" x 3 1/2" Blast Joint
4	1	2 7/8" perf Sub
24	1	2 7/8" Working Barrel
4	1	2 7/8" perf Sub
19	1	2 7/8" Desander
128	1	3 1/2" Mud Anchor
3108		

ROD DETAIL 12/21/2011

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
875	35	1" D steel rods
1500	60	7/8" D steel rods
500	20	1 1/4" sinker bars
20	1	2 1/2" x 1 1/2" X 20' RHBC pump
0	1	1 1/4" x 8' gas anchor
2915		

WELL HISTORY SUMMARY

9-Sep-55	IC: **3410 - 3535' (7 RVRS/Queen OH).** Acdz'd with 500 gals mud acid. Frac'd with 4,000 gals lease oil with 10,000#'s sand. **IP= 141 bopd, 0 bwpd, & 133.5 Mcfgpd (flowing).**
18-Aug-71	**CONVERTED WELL TO INJECTION:** C/O to TD @ 3535. Ran 2 3/8" CL tubing & PKR. Set PKR @ 3370. Initiated injection.
28-Sep-74	Replaced 1 joint tubing. Return to injection.
30-Mar-77	Replaced 1 joint tubing. Return to injection.
6-Feb-93	C/O fill 3416 - 3535'. Acdz'd with 5,000 gals 15% with 3% mutual solvent in 3 stages using 500# rock salt each for diversion.
4-Oct-93	**Set CIBP @ 3370'.** Dump 35' cement on top of CIBP. PBTD @ 3335'. **Perf'd Yates (Jalmat)** f/ 2980'-3146' (10 intervals, 2 spf, 202 holes). Frac perfs with 41,000 glas 30# X-L gel carrying 183,600#'s 12/20 sand and 40,580#'s resin coated 12/20 sand. AIR= 34.5 bpm. Pmax= 1923 psig. ISIP+1380 psig, P15min=1066 psig. Cleaned out sand f/ 3180'-3335'. Install tubing, pump, and rods. PWOP. **After WO: 46 bopd, 422 bwpd, & 16 Mcfgpd.**
17-Feb-95	Replaced 1 bad jt tbg. Returned well to production.
9-Oct-95	Change out pmp. Returned well to production.
7-Oct-97	Ran tubing inspection. Replaced 22 joints of tubing. Ran new gas anchor and pump on rods. Placed well on production.
14-Oct-99	Replaced 1 bad joint tubing. Returned well to production.
27-Mar-00	Change out pmp. Returned well to production.
27-Feb-04	POOH with rods and pump. Tagged at 3282', POOH with tubing. Hydrotest tubing to 7000 psig - found hole 3 joints above SN.RIH with pump and rods. PWOP.
17-Aug-06	POOH w/ rods, pump and tubing - found hole on joint above SN. Laid down 5 joints due to pitting. Hydrotest tubing to 7000 psig in hole - burst 92nd joint. Replaced 52 - 7/8" and 6 - 1" rod boxes. Load and test pump to 500 psig. PWOP.
19-Jul-07	POOH w/ rods, pump & tbg. Hydrotest tubing to 7000# in hole - found hole on 96th joint. RIH w/ tbg, pump & rods. PWOP.
20-Oct-08	POOH w/rods, pump & tbg (laid 3 jts w/severe pitting). Hydrotest tbg to 7000# in hole - burst 2 jts. RIH w/tbg. PWOP.
24-Nov-08	POOH with rods and stuck pump in tubing. Hydrotest tubing to 7000#. RIH with pump and rods.
27-Jul-09	POOH w/ rods, pump & tbg. RIH w/Tag Bar - **tagged at 3,220'.** RIH w/Pressure Tool, **ran pressure gradient every 500' . Pressure @ 3000' = 404 psig.** Hydrotest tubing to 7000# in hole - test good. RIH with tubing, pump & rods. PWOP.
1-Oct-10	POOH with rods and pump. Changed out pump. RIH with pump and rods. PWOP.
28-Oct-10	POOH with rods and pump . RIH pump and rods. PWOP.
6-Apr-11	POOH with production string. RIH with 5 1/2" PKR to 2,900'. Test csg to 500#. RIH with 4 3/4" bit, cleaned out from 3,100' to 3,335' - no fill. RIH with 5 1/2" PKR on 4 1/2" frac string. Set PKR @ 2,920' - test annulus to 500# - okay. Acidized Yates with 9,000 gals 15% HCl dropping 366 BIO Balls. Foam sand frac'd Yates with 100,000# Brady brown plus 100,000# resin coated and 0.847 MMCF of N@. Pmax= 2820#, ISIP= 1390 psig. Flowed back for two days - trace of oil. POOH with work string. Cleaned out frac sand from 3045' to 3,335'. RIH with Prod string. PWOP.
27-Aug-11	POOH with parted 1" - rods (surface break). POOH w/ rods and pump. RIH with production string. PWOP.
24-Oct-11	POOH with rods, pump and tubing. Ran BHP Survey, tagged at 3346'. Hydrotest to 7000# - OK. PWOP.

PREPARED BY:	Larry S. Adams	Domingo Carrizales	UPDATED: 05-Jan-12

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
_X_ Single Well
___ Establish Pre-Approved Pools
EXISTING WELLBORE
_X_ Yes ___ No

APPLICATION FOR DOWNHOLE COMMINGLING

DHC-4503

Resaca Operating Company | 1331 Lamar Street, Suite 1450 | Houston, TX 77010
Operator | Address

Cooper Jal Unit | 127 | H-24-24S-36E | Lea
Lease | Well No. | Unit Letter-Section-Township-Range | County

OGRID No. 263848 Property Code 306443 API No. 30-025-09637 Lease Type: ___Federal ___State _X_Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Jalmat Oil		Langlie Mattix Oil
Pool Code	33820		37240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3019'-3298'		3460'-3541'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37.7 Degree API		37.7 Degree API
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 11/6/2011 Rates: 5 BOPD, 5 MCFPD 59 BWPD	Date: Rates:	Date: 12/26/11 Rates: 5 BOPD, 5 MCFPD 68 BWPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 50 % Gas 50 %	Oil % Gas %	Oil 50 % Gas 50 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes_X_ No___
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes___ No___

Are all produced fluids from all commingled zones compatible with each other? Yes_X_ No___

Will commingling decrease the value of production? Yes___ No_X_

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes___ No_X_

NMOCD Reference Case No. applicable to this well: _____

Attachments:
C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

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 TELEPHONE NO. (432) 580-8500

E-MAIL ADDRESS melanie.reyes@resacaexploitation.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-09637	33820/37240	Jalmat/Langlie Mattix

[4] Property Code	[5] Property Name	[6] Well Number
306443	Cooper Jal Unit	127

[7] OGRID No.	[8] Operator Name	[9] Elevation
263848	Resaca Operating Company	3312' KB

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	24S	36E		1650	North	990	East	Lea

[11] Bottom Hole Location If Different From Surface

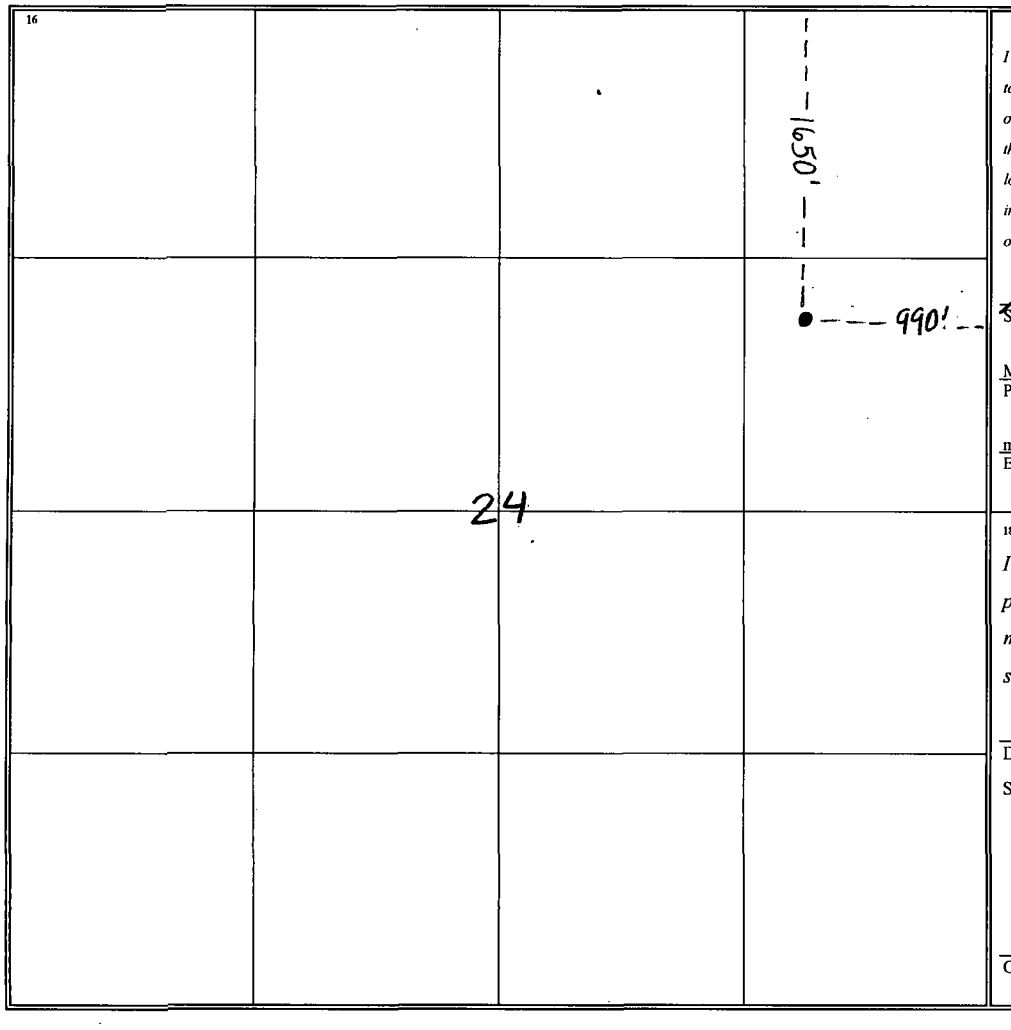
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

RECEIVED
2012 JAN 13 P 3:

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

[16]



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

12/22/2011
Signature Date

Melanie Reyes
Printed Name

melanie.reyes@resacaexploitation.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE
_X_ Single Well
___ Establish Pre-Approved Pools
EXISTING WELLBORE
_X_ Yes ___ No

APPLICATION FOR DOWNHOLE COMMINGLING

Resaca Operating Company | 1331 Lamar Street, Suite 1450 | Houston, TX 77010
Operator | Address

Cooper Jal Unit | 141 | D-30-24S-37E | Lea
Lease | Well No. | Unit Letter-Section-Township-Range | County

OGRID No. 263848 Property Code 306443 API No. 30-025-11292 Lease Type: _X_ Federal ___ State ___ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Jalmat		Langlie Mattix
Pool Code	33820		37240
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2980'-3146'		3410'-3535'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	37.7 Degree API		37.7 Degree API
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 10/4/2011 Rates: 3 BOPD, 3 MCFPD 557 BWPD	Date: Rates:	Date: 12/8/11 Rates: 1 BOPD, 1 MCFPD 136 BWPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 75 % Gas 75 %	Oil % Gas %	Oil 25 % Gas 25 %

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OCD

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes_X_ No___
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes___ No___

Are all produced fluids from all commingled zones compatible with each other? Yes_X_ No___

Will commingling decrease the value of production? Yes___ No_X_

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes___ No_X_

NMOCD Reference Case No. applicable to this well: _____

Attachments:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

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 TELEPHONE NO. (432) 580-8500

E-MAIL ADDRESS melanie.reyes@resacaexploitation.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-025-11292	33820/37240	Jalmat/Langlie Mattix

[4] Property Code	[5] Property Name	[6] Well Number
306443	Cooper Jal Unit	141

[7] OGRID No.	[8] Operator Name	[9] Elevation
263848	Resaca Operating Company	3279' GL

[10] Surface Location

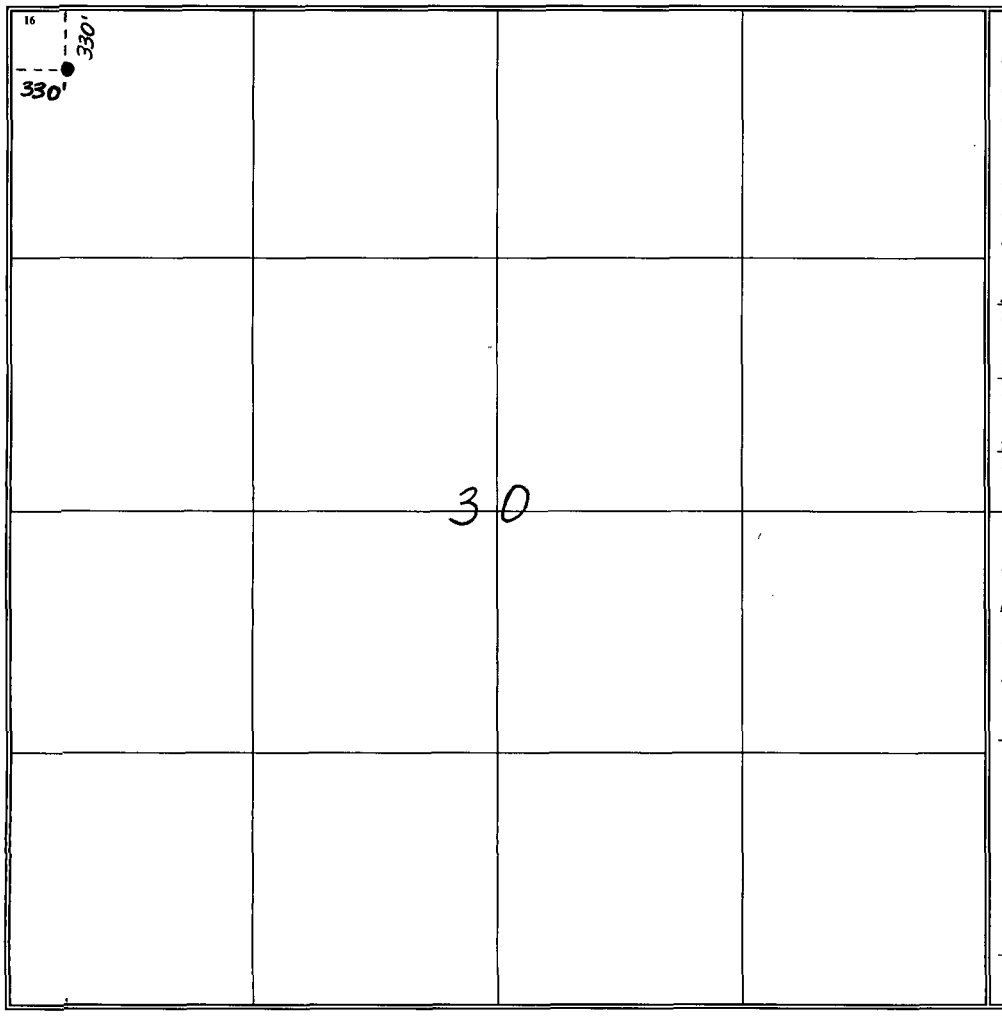
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	30	24S	37E		330	North	330	West	Lea

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
40			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

12/22/2011

Signature Date

Melanie Reyes
Printed Name

melanie.reyes@resacaexploitation.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number

Reyes, Melanie

From: Warnell, Terry G, EMNRD [TerryG.Warnell@state.nm.us]
Sent: Friday, January 13, 2012 4:37 PM
To: Reyes, Melanie
Subject: FW: DHC Requests for Cooper Jal Unit #127 and #141

From: Warnell, Terry G, EMNRD
Sent: Friday, January 13, 2012 3:33 PM
To: 'Melanie.Reyes@resacaexploration.com'
Cc: Jones, William V., EMNRD
Subject: DHC Requests for Cooper Jal Unit #127 and #141

Hi Melanie,

We are going to need a little more information on these two wells
Please send us:

1. Signed Administrative Application checklists for each well
2. Well sketches showing the perforated intervals to be commingled
3. Written justification as to why you feel commingling is needed, signed by your Engineer

Thanks,

Terry Warnell
Engineering, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
Tel 505.476.3466 ~ Fax 505.476.3462