•	PTGW
DATE IN	1,20,17 SUSPENSE ENGINEER WYT LOGGED IN 1,20,12 THE DHC PP No. 12, 12,02048,339
	ABOVE THIS LINE FOR DIVISION USE ONLY
	NEW MEXICO OIL CONSERVATION DEVISION - Engineering Bureau - 45°38'98
	ADMINISTRATIVE APPLICATION CHECKLIST
Т	HIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applic	cation 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]
F.13	[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Simultaneous Dedication [NSL NSP SD Check One Only for [R] or [C]
	Check One Only for [B] or [C]
	[B] Commingling - Storage - Measurement
	[B] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery (#/4/) WFX PMX SWD IPI EOR PPR [D] Other: Specify 7-30-745-37E
	[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.
	CERTIFICATION: I hereby certify that the information submitted with this application for administrative val is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this ration until the required information and notifications are submitted to the Division.
Print of	Note: Statement must be completed by an individual with managerial and/or supervisory capacity. Control Control
2	Melanie. reves@resocaexploitation.com e-mail Address

CURRENT COMPLETE	ON SCHEMATIC	LEASE NAME		Cooper Jal Unit			W	/ELL NO. 1	27
		STATUS:		Active	Oil			PI# 30-025-	
		LOCATION:		1650 FNL & 990 FEL, Sec 24, T - 24S					
	1	SPUD DATE:	DATE:	06/01/54 PBTD	3541 3537	KB GL	3,312' 3,304'	DF	
		1.41. OS.41 B			GEOLOGICAL DATA		0,004		
2 Csg 12 1/4	1		ELEC:	TRIC LOGS:	-	,	CORES, D	STS or MUD LOGS:	
8 5/8 in	1 1 1	GR-N from 10	0 - 3541' (5-2	7-54 Schlumberger)					
290 in		GR-CCL (8-19	-93 Halliburte	on)					
150 ft					RBON BEARING ZONE (EPTH TO	OPS:		
Yes	118		Yates @ 30	18' 7-Rivers @ 3238'	Queen @ 3600'				
surf 🔏	🖎				CASING PROFILE	-			
circ	11	SURF.	8 5/8" - 24	#, J-55 set@ 290' Cmt'd w/150 sxs		•			
1 1	1 1	PROD.		#, J-55 set@ 3460' Cmt'd w/200 sx		surf by c	alc. DV tool @120	05' - pmp 100 sxs -	
1 1	†	LINER	None					675' f/ surf by calc.	
				cui	RENT PERFORATIO	N DATA			
.,1	TOC@ 675	CSG. PERF				PEN HO		olated below CIBP	ම 3354 '
	by calc	19-Aug-93		mat (Yates): 3019'-3021' 3026'-3048			05'-3118', 3130'-31	41', 3148'-3176',	
		22 Mar 44		7', 3194'-3198' & 3218'-3229', 2 spf (es f/ 3048'-3057', 3059'-3064', 3077'-(2141' 2142' 2102' 3	2104: 2204: 2209: 22	11' 2212'
	 	23-Mar-11		es i/ 3040 -3037 ; 3039 -3064 ; 3077 9'; Perf'd 7-Rivers f/ 3242'-3246', & 32		-3130,	5141-5145, 5192-3	3194, 3204-3200, 32	11-3213,
			0201 0200	5,1000 1 111010 11 0242-0240, 0 01	.04 0200, 2 01111.				
		TUBING DE	TAIL	11/16/2011	ROD DETAIL		11/16/2011		
	1 1								
		Length (ft)		<u>Detail</u>	Length (ft)		<u>Detail</u>		
· # 1		2875		2 7/8" 6.5#, J-55, 8rd EUE tbg.	18	1		sh rod w/ 7/8" pin	
	· [[3		5 1/2" x 2 7/8" TAC	0	1	1 1/4" x 1 1/2" x	14' liner	
]]	158		2 7/8" 6.5#, J-55, 8rd EUE tbg.	12	3		grade D pony rod	
		32		2 7/8" Super Max Blast Joint	1450	58	7/8" D steel rod		
11	DV Tool @ 1205'	1		2 7/8" SN	975	39	3/4" D steel rod		
1 1	11	4		2 7/8" Perf Sub	600	24	1 1/2" sinker ba		
] [19 128		2 7/8" Desander 2 7/8" tubing with Bull Plug MA	20 0	1	2 1/2" x 1 1/2" X 1 - 1/14" Straine	(16' RWBC pump	
11		3220	=	2 170 tabing with built ring with	3075 bt	m	1-1/14 304116		
11	1 1	3220	'		3075 DI	111			
	!								
		WELL HISTOR	YSUMMARY						
	1 1	01 lun 54	Initial con	uniotion interval: 2450 - 25441 /7 B	VBS/Owen OUV Fro	-l-1/4 C	00	Wa sood	
] [TOC@ 2405'	01-Jun-54		npletion interval: 3460 - 3541' (7 R	vrvorkjueen UH). Fra	. u w/4.0	บบ gais oii & 6,000	mr s sa⊓0.	
88			IP=248 bo	pd. 0 bwpd & 185 Mcfand (flowing	1)	,			
	By Calc.	15-Nov-58		opd, 0 bwpd & 185 Mcfgpd (flowing 3535 - 3541' (6' of fill). Placed well o			d, 0 bwpd, & GOR:	=1,238	
	By Calc.	11-Aug-71	C/O from 3	3535 - 3541' (6' of fill). Placed well of TED TO WATER INJECTION: C/O	n rod pump. After WO from 3527 - 37'. Ran 2	: 30 bop : 3/8" CL	tbg. & set pkr @ 3	398'.	
	By Calc.		C/O from 3 CONVERT Set 5 1/2"	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O ' CIBP @ 3354'. PerPd (Jalmat) fro	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi	: 30 bop : 3/8" CL	tbg. & set pkr @ 3 ervals - 244 holes)	398'.). Frac w/ 63,000	
	By Calc.	11-Aug-71	C/O from 3 CONVERT Set 5 1/2" gals specti	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O ' CIBP @ 3354'. Perl'd (Jalmat) froi ra frac G-3000 & 255,340#s 12/20 s	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM	: 30 bop : 3/8" CL f (10 inte =2990-1	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124	398'.). Frac w/ 63,000	
	By Calc.	11-Aug-71 19-Aug-93	C/O from 3 CONVERT Set 5 1/2" gals spects 3347'. RIH	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O T CIBP @ 3354'. Perf'd (Jalmat) fro tra frac G-3000 & 255,340#'s 12/20 s H w/ tbg, rods & pmp. PWOP. After	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM	: 30 bop : 3/8" CL f (10 inte =2990-1	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124	398'.). Frac w/ 63,000	
	By Calc.	11-Aug-71	C/O from 3 CONVERT Set 5 1/2" gals spects 3347'. RIH C/O fill 324	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O T CIBP @ 3354'. Perf'd (Jalmat) fro tra frac G-3000 & 255,340#'s 12/20 s H w/ tbg, rods & pmp. PWOP. After	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM	: 30 bop : 3/8" CL f (10 inte =2990-1	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124	398'.). Frac w/ 63,000	
		11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97	C/O from 3 CONVERT Set 5 1/2" gals specti 3347'. RIH C/O fill 324 Tag fill @ 3 Tag fill @ 3	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O CIBP @ 3354'. Perfd (Jalmat) froir or a frac G-3000 & 255,340#s 12/20 s I w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well.	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM	: 30 bop : 3/8" CL f (10 inte =2990-1	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124	398'.). Frac w/ 63,000	
	Yates @ 3018'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99	C/O from 3 CONVERT Set 5 1/2" gals spects 3347'. RIH C/O fill 324 Tag fill @ 3 Tag fill @ 3	3535 - 3541' (6' of fill). Placed well of FED TO WATER INJECTION: C/O CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#s 12/20 Hw/ tbg, rods & pmp. PWOP. After 48 - 3389'. Did not C/O well. 3305'. Did not C/O well. 3302'. Did not C/O well. 3302'. Did not C/O well.	n rod pump. After WO from 3527 - 37'. Ran 2 n 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM WO: 50 bopd, 36 bw	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd.	3398'.), Frac w/ 63,000 49 psi, C/O f/ 2825'-	
		11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00	C/O from 3 CONVERT Set 5 1/2" gals spects 3347'. RIH C/O fill 324 Tag fill @ 3 Tag fill @ 3 C/O rod pu	3535 - 3541' (6' of fill). Placed well of FED TO WATER INJECTION: C/O I CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#s 12/20 s H w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3302'. Did not C/O well. ump & tst tbg to 500 psi. OK. Acdz'd	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM WO: 50 bopd, 36 bw	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42	tbg. & set pkr @ 3 ervals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd.	3398'.), Frac w/ 63,000 49 psi, C/O f/ 2825'-	
	Yates @ 3018'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99	C/O from 3 CONVERT Set 5 1/2" gals spect 3347'. RIH C/O fill 324 Tag fill @ 1 Tag fill @ 1 Tag fill @ 3 C/O rod pu Pull stuck	3535 - 3541' (6' of fill). Placed well of FED TO WATER INJECTION: C/O I CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#'s 12/20 s I w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3302'. Did not C/O well. ump & tst tbg to 500 psi. OK. Acdz'd pump. Pulled tubing. Ran back in ho	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM 'WO: 50 bopd, 36 bw tbg w/500 gals acid & te. Placed on pump.	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42	tbg. & set pkr @ 3 rvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & ro	3398'.), Frac w/ 63,000 49 psi. C/O f/ 2825'-	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04	C/O from 3 CONVERT Set 5 1/2" gals spect 3347'. Ril+ C/O fill 324 Tag fill @ 1 Tag fill @ 1 Tag fill @ 2 C/O rod pu Pull stuck Knocked o	3535 - 3541' (6' of fill). Placed well of FED TO WATER INJECTION: C/O I CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#s 12/20 s H w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3302'. Did not C/O well. ump & tst tbg to 500 psi. OK. Acdz'd	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & te. Placed on pump. to 3245' could not C/O	: 30 bop 3/8" CL f (10 inte =2990-1 pd, & 42 swab ba	tbg. & set pkr @ 3 strvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RiH w/pmp & reader (solid) dropped	3398'.), Frac w/ 63,000 49 psi. C/O f/ 2825'-	
	Yates @ 3018' 2 spf = 3019'-21' = 3026'-48' = 3048'-3057'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02	C/O from 3 CONVERT Set 5 1/2" gals specti G/O fill 32 Tag fill @ 3 Tag fill @ 3 Tag fill @ 5 C/O rod pu Pull stuck g Knocked o POOH with	3535 - 3541' (6' of fill). Placed well of RED TO WATER INJECTION: C/O I CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#s 12/20 s H w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3300'. Did not C/O well. 3002'. Did not C/O well. yump & tst tbg to 500 psi. OK. Acdz'd pump. Pulled tubing. Ran back in ho but bridge in Perfs @ 3146' and C/O th rods and pump. Tagged at 3230'. Baile foods & pump. Tagged at 3233'. Baile	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & te. Placed on pump. to 3245' could not C/O RIH with pump and rod d f/ 13' to 3246'. Could d f/ 13' to 3246'. Could	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42 swab ba any furth s. PWOF not make	tbg. & set pkr @ 3 rrvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & re ner (solid) dropped 5. te anymore hote. R	3398'. b. Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks.	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3059'-3064'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04	C/O from 3 CONVERT Set 5 1/2" gals spects 3347". Ril- C/O fill 324 Tag fill @ 3 Tag fill @ 3 C/O rod pu Pull stuck Knocked oo POOH with POOH with of scale. R	3535 - 3541' (6' of fill). Placed well o FED TO WATER INJECTION: C/O CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#'s 12/20 s I w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3305'. Did not C/O well. 3305'. Did not C/O well. 3002'. Did not C/O well. 3002'. Did not C/O well. 3002'. Did not C/O well. 3004'. Did not C/O well. 3005'. Did not C/O well. 3005'. Did not C/O well. 3005'. Did not C/O well. 3006'. Ray Did not C/O 1006'. Ray Did not C/O 10	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-329' w/ 2 spi and. AIR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & le. Placed on pump. to 3245' could not C/O RIH with pump and rod: df 113' to 3246'. Could 000#. RIH pump and rod: 000#.	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42 swab ba any furth s. PWOF not make	tbg. & set pkr @ 3 rrvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & re ner (solid) dropped 5. te anymore hote. R	3398'. b. Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks.	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3064'-77'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04 05-Aug-04	C/O from 3 CONVERT Set 5 1/2" gals spectr 3347". RII C/O fill 324 Tag fill @ 3 Tag fill @ 3 Tag fill @ 3 C/O rod pu Pull stuck in the convertion of scale. R rods due to	3535 - 3541' (6' of fill). Placed well o TED TO WATER INJECTION: C/O CIBP @ 3354'. Perfd (Jalmat) froir or a frac G-3000 & 255, 340#s 12/20 s + w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3302'. Did not C/O well. 3302'. Did not C/O well. ump & tst tbg to 500 psi. OK. Acdz'd pump. Pulled tubing. Ran back in ho but bridge in Perfs @ 3146' and C/O h rods and pump. Tagged at 3230'. Frods & pump. Tagged at 3230'. Frods & pump. Tagged at 3233'. Saile thl with tubing and set TAC with 18, to pitting, bottom 30 rods had scale o	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & le. Placed on pump. lo 3245' could not C/O RIH with pump and rod of 1/13' to 3246'. Could 000#. RIH pump and ro n shoulder of the rods. n shoulder of the rods.	: 30 bop : 3/8" CL f (10 inte =2990-1 pd, & 42 swab ba any furth s. PWOF not make	tbg. & set pkr @ 3 rrvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & re ner (solid) dropped 5. te anymore hote. R	3398'. b. Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks.	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3059'-3064' 3064'-77' 3077'-3090' 3090'-94'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04	C/O from 3 CONVERT Set 5 1/2" gals spect 3347". RIF C/O fill 32' Tag fill @ 1 Tag fill @ 1 Tag fill @ 0 FOOH with POOH with Po	3535 - 3541' (6' of fill). Placed well o FED TO WATER INJECTION: C/O CIBP @ 3354'. Perfd (Jalmat) froi ra frac G-3000 & 255,340#'s 12/20 s I w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3305'. Did not C/O well. 3305'. Did not C/O well. 3305'. Did not C/O well. 3002'. Did not C/O well. 3002'. Did not C/O well. 3002'. Did not C/O well. 3004'. Did not C/O well. 3005'. Did not C/O well. 3005'. Did not C/O well. 3005'. Did not C/O well. 3006'. Ray Did not C/O 1006'. Ray Did not C/O 10	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spi and. AIR=35 bpm, PM WO: 50 bopd, 36 bw wo so	: 30 bop 3/8" CL f (10 inte =2990-1 pd, & 42 swab ba any furth s. PWOF not mak	tbg. & set pkr @ 3 prvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & re her (solid) dropped be anymore hole. R DP. Laid down 8 - 1	3398'.), Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks. decovered 20' of 7/8" & 18 - 3/4"	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3059'-3064' 3064'-77' 3077'-3090' 3090'-94' 3094'-3096'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04 05-Aug-04	C/O from : CONVERT Set 5 1/2" gals spects 3347". Ril- C/O fill 324 Tag fill @: Tag fill @: Tag fill @: C/O rod pt Pull stuck, Knocked o POOH wit of scale. R rods due te Pump 50 b POOH w/2 26' of scale.	3535 - 3541' (6' of fill). Placed well of TED TO WATER INJECTION: C/O INTER OF WATER INJECTION: C/O INTER OF WATER OF WA	in rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & te. Placed on pump. to 3245' could not C/O RIH with pump and rod of 1/1 13' to 3246'. Could 100#. RIH pump and ron shoulder of the rods. urfactant down tubing. ed at 3,229'. RIH w/ 2 and rods. PWOP.	: 30 bop: 3/8" CLf (10 inte=2990-1 pd, & 4: swab ba any furths. PWOF not makds. PWG	tbg. & set pkr @ 3 rrvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RiH w/pmp & re ner (solid) dropped c. te anymore hole. R DP. Laid down 8 - 1 ched Collar & tbg b	3398'. J. Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks. Accovered 20' of 7/8" & 18 - 3/4" bailer and cleaned	
	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3059'-3064' 3064'-77' 3077'-3090' 3090'-94' 3094'-3096' 3105'-18'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04 08-Oct-04 22-Nov-04	C/O from : CONVERT CONVERT Gals spect 5 1/2" gals spect 3347". Ril- C/O fill 32¢ Tag fill @ : Ta	3535 - 3541' (6' of fill). Placed well of TED TO WATER INJECTION: C/O ICIBP @ 3354'. Perfd (Jalmat) froir or a frac G-3000 & 255, 340#s 12/20 s + w/ tbg, rods & pmp. PWOP. After 48 - 3389'. 3312'. Did not C/O well. 3302'. Did not C/O well. 3302'. Did not C/O well. 3302'. Did not C/O well. ump & tst tbg to 500 psi. OK. Acdz'd pump. Pulled tubing. Ran back in hout bridge in Perfs @ 3146' and C/O h rods and pump. Tagged at 3230'. Frods & pump. Tagged at 3230'. Frods & pump. Tagged at 3230'. Baile ItH with tubing and set TAC with 18, to pitting, bottom 30 rods had scale obls of produced water with 10 gals s rods, pump & tubing, pump rods, pump & tubing. Replaced sance, purp & tubing. Replaced sance, pump & tubing. Replaced sance, purp & tubing. Replaced sance, pump & tubing. Replaced sance.	n rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw tbg w/500 gals acid & le. Placed on pump. to 3245' could not C/O RIH with pump and rod: d 1/13' to 3246'. Could 000#. RIH pump and rod: n shoulder of the rods. urfactant down tubing. ed at 3,229'. RIH w/ 2 and rods. PWOP. screen w/ perf sub. R	: 30 bopp: 3/8" CL f (10 inte =2990-1 rpd, & 42 swab ba any furth s. PWOF not makeds. PWo 7/8" Note	tbg. & set pkr @ 3 rrvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RiH w/pmp & re ner (solid) dropped c. te anymore hole. R DP. Laid down 8 - 1 ched Collar & tbg b	3398'. J. Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks. Accovered 20' of 7/8" & 18 - 3/4" bailer and cleaned	
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	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3057' 3059'-3064' 3064'-77' 3077'-3090' 3090'-94' 3094'-3096' 3105'-18' 3114'-3130'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04 05-Aug-04 08-Oct-04 22-Nov-04 28-Dec-04 09-Nov-07	C/O from 3 CONVERT Set 5 1/2" gals spects 3347". Ril- C/O fill 324 Tag fill @ 1 Tag fill @ 2 Tag fill @ 2 Tag fill @ 2 Tag fill @ 2 Tag fill @ 3 Tag	3535 - 3541' (6' of fill). Placed well of RED TO WATER INJECTION: C/O ICIBP @ 3354'. Perfd (Jalmat) froir or a frac G-3000 & 255, 340#s 12/20 s + w/ tbg, rods & pmp. PWOP. After 48 - 3389'. 3312'. Did not C/O well. 3302'. Sid not C/O well. 3302'. To de state to the second of the power of the second of the power of the second of the	in rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw wo 50 bopd, 324'. Could not C/O kil with pump and rod of 1/1 3' to 3246'. Could 300#. RilH pump and rod on shoulder of the rods. urfactant down tubing, ed at 3,229'. RilH w/ 2 and rods. PWOP, screen w/ perf sub. Roump and rods. PWOP diset at 2987', Test cs Yates f/ 3048'-3057', 3	: 30 bopp : 3/8" CL f (10 inte =2990-1 pd, & 4: swab ba any furits. PWOF not mak ds. PWOF 7/8" Note (H w/ ner) g to 500 059'-306	tbg. & set pkr @ 3 rvals - 244 hotes) 935 psi. ISIP = 124 2 Mcfgpd. ck. RIH w/pmp & re ner (solid) dropped c. te anymore hote. R DP. Laid down 8 - 1 ched Collar & tbg b w 2 7/8" Super Max psig - held. RIH wi 4", 3077'-3090', 309	3398'.). Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks. decovered 20' of 7/8" & 18 - 3/4" vailer and cleaned on the state of	t to 3200'. 3141'-
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	Yates @ 3018' 2 spf 3019'-21' 3026'-48' 3048'-3051' 3059'-3064' 3064'-77' 3077'-3090' 3090'-94' 3094'-3096' 31105'-18' 3114'-3130' 31130'-41' 3142'-3143' 3148'-76' 3183'-87' 3992'-3194' 3194'-98'	11-Aug-71 19-Aug-93 16-Jul-94 23-Jan-95 19-Mar-97 17-Dec-99 18-Apr-00 16-Apr-02 12-Dec-02 08-Jan-04 05-Aug-04 08-Oct-04 22-Nov-04 28-Dec-04 09-Nov-07 23-Mar-11	C/O from : CONVERT CONVERT Set 5 1/2" gals specification: G/O fill 32' Tag fill @ :	3535 - 3541' (6' of fill). Placed well of RED TO WATER INJECTION: C/O ICIBP® 3354'. Perfd (Jalmat) froir or a frac G-3000 & 255, 340#s 12/20 s + w/ tbg, rods & pmp. PWOP. Aftel 48 - 3389'. 3312'. Did not C/O well. 3302'. To de to the state of the state in the pub bridge in Perfs ® 3146' and C/O h rods and pump. Tagged at 3230'. Foods & pump. Tagged at 3230'. Saile RIH with tubing and set TAC with 18, to pitting, bottom 30 rods had scale obls of produced water with 10 gals s rods, pump & tbg. RIH w/ tbg & tagge. RIH with production tubing, pump rods, pump & tubing. Replaced sanch rods and pump. RIH with repaired h production string. RIH with 78213', 321'-3213', 321'	in rod pump. After WO from 3527 - 37'. Ran 2 m 3019'-3229' w/ 2 spr and. AlR=35 bpm, PM WO: 50 bopd, 36 bw WO: 50 bopd, 36 bw wo sold and sold and sold af 13' to 3245' could not C/O RIH with pump and rod of 1/13' to 3246'. Could 000#. RIH pump and rod of 1/13' to 3246'. RIH w/2 and rods. PWOP, screen w/ perf sub. Roump and rods. PWOP d set at 2987'. 38'1-3239'; Perf'd 7-Rive sing coated. ISIP= 2430	: 30 bopp : 3/8" CL f (10 inter =2990-1 pd, & 4; swab ba any furth s. PWOF not mak ds. PWOF 7/8" Note H w/ ner 0. g to 500 059'-306 rs f/ 324 #. Flowe	tbg. & set pkr @ 3 prvals - 244 hotes) p35 psi. ISIP = 124 2 Mcfgpd. ck. RiH w/pmp & re per (solid) dropped ce anymore hole. R DP. Laid down 8 - 1 ched Collar & tbg b w 2 7/8" Super May psig - held. RiH wi 4', 3077'-3090', 308 2'-3246', & 3284'-32 d well - all gas, pres	3398'.), Frac w/ 63,000 49 psi. C/O f/ 2825'- ods. PWOP. 20 acid sticks. tecovered 20' of 7/8" & 18 - 3/4" vailer and cleaned x Blast Joint. PWOP. ith 4 3/4", cleaned ou 34'-3096', 3114'-3130', 298', 2 JHPF. Foam Sissure depleted. Laid di	t to 3200'. 3141'- and Frac'd
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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

					SCHEMATIC AND HISTO					444
CURRENT COMPLETIC	N SCHEMATIC	LEASE NAME		A otivo	Cooper Jal Unit				WELL NO	141
	T	STATUS: LOCATION:		Active 330 FNL & 3	30 FWL, Sec 30, T - 24S,	Oil R - 37F: Lee Cour	nty New Mex	ico	API# 30	025-11292
		SPUD DATE:			TD :	3535	KB	3,292	DF	
	1 1 1	INT. COMP.	DATE:	09/09/5	5 PBTD	3335 GEOLOGICAL I	GL GL	3,279		 ,
			ELEC	TRIC LOGS:		<u> </u>		CORE	S. DST'S or MUD LC	GS:
Surface Csg le Size: 11 in:		GP-N from su	urface - 3535	' (9-6-55 Lane	\M/elle\					
g. Size: 8 5/8 in	1 1			55 Halliburton)	vveiis)					
Set @: 1140 ft		GR-CCL from	1 2800 - 3425	5' (10-5-93 Hallil	•	DOM DE ADIMO 30	NE DECTI	TODO:		
xs Cmt: 700 Circ: Yes					HYROCARE	BON BEARING ZO	NE DEPTH	TOPS:		
OC @: surf			Yates @ 29	977'	7-Rivers @ 3210'	Queen @ 35	:60'			
OC by: circ				.,,	,	Q4450@ 00				
2										
_	-					CASING PROFI	LE			
1 1	11	SURF.			1140' Cmt'd w/700 s					
		PROD.	_	4#, J-55 set@	3410' Cmt'd w/400 s	xs - TOC @ 22	40' from su	rface by Temp	o. Survey.	
		LINER	None		CURR	ENT DEDECO	TION DAT	·A		
1 1	11	CSG. PERF	EG.		COKK	ENT PERFORA	TION DAT	A OPEN HO	NE: 3/1	0 - 3535'
	1 1	CSG. FEIN	. 3 .					OFENIO	JLE . 341	0 - 3333
		4-Oct-93	Perfd Ya	tes (Jalmat)	f/ 2980 - 91', 2994 - 99	ı', 3004 - 11', 30	16 - 38', 30	42'-52', 3058'	'-62', 3085'-88',	
	1 1		3090'-310)0', 3112 - 36'	, 3141 - 46' w/ 2 spf (2	202 holes total -	0.56 dia., 1	120 deg phasi	ng)	
	11						•			
1 1	1.1	TUBING DE	ETAIL	12/1/2011		ROD DET	AIL	12/21/201	1	
[]	1			_						
		Length (ft)		<u>Detail</u>		Length (fi	-	<u>Detail</u>		
. [1]		2535			f, J-55, 8rd EUE tbg.	2			" polish rod w/7/8"	pın
1 1	1.1	360		5 1/2" x 2 7			0 1		1/2" x.14' liner	
	11	360			t, J-55, 8rd EUE tbg. 1/2" Blast Joint	87- 150		1" D steel 7/8" D stee		
	1 1	4		2 7/8" perf		50		1 1/4" sink		
		24			king Barrel	2			1/2" X 20' RHBC	amu
[]	11	4		2 7/8" perf	-		0 1		gas anchor	
		19) 1	2 7/8" Des	ander	291	5			
	1 1	128	1	3 1/2" Mud	Anchor					
<u> </u>	1 1	3108	,							
	TOC@ 2240'				····					
	By TS	WELL HISTOR	RY SUMMARY	,						
		9-Sep-55	IC: 3410	- 3535' (7 RVI	RS/Queen OH). Acdz'	d with 500 gals	mud acid.	Frac'd with 4,0	000 gals lease oil w	ith 10,000#'s sa
					, & 133.5 Mcfgpd (flov					
		1 -			O INJECTION: C/O to	TD @ 3535. R	an 2 3/8" C	L tubing & PK	R. Set PKR @ 337	Initiated inject
					. Return to injection					
	. 📗 🎇	6-Feb-93			cdz'd with 5,000 gals 1	5% with 3% mu	tual solveni	in 3 stages u	sing 500# rock sal	each for diversi
		4-Oct-93			mp 35' cement on top					
					erfs with 41,000 glas 30					
	Yates @ 2977	.]			Pmax= 1923 psig. ISIP P. After WO: 46 bopd				dout sand f/ 3180	'-3335'. Install tu
	Tales @ 2977	1			Returned well to produ		16 Mcigpu	•		
	2980'-91'	9-Oct-95			rned well to production					
		7-Oct-97			Replaced 22 joints of to		gas anche	or and pump o	on rods. Placed we	ell on production
	2994'-99'	14-Oct-99		•	bing. Returned well to	•				
	3004'-11'	27-Mar-00 27-Feb-04			irned well to production imp. Tagged at 3282',		ina. Hydrot	est tubing to 7	000 psia - found b	ole 3 joints abov
	3004-11	7, 100-04		ith pump and	,	. OCH WILL LUD	g. 1 174100	correspond to 1	oso paig - iounu II	on o jonne abov
	3016'-38'	17-Aug-06	POOH w/	rods, pump a	ind tubing - found hole					
		40 101			d joint. Replaced 52 - 7					
	3042'-52'	19-Jul-07 20-Oct-08			tbg. Hydrotest tubing tbg (laid 3 jts w/severe			•	• • •	•
	3058'-62'	1			uck pump in tubing. Hy					wy. I WOP.
		27-Jul-09			tbg. RIH w/Tag Bar -					lient every 500'
	3090'-3100'				04 psig. Hydrotest tubi				tubing, pump & ro	ds, PWOP.
		1-Oct-10			imp. Changed out pun		mp and rod	s. PWOP.		
	3112'-36'	28-Oct-10 6-Apr-11			ump . RIH pump and ro string. RIH with 5 1/2" i		Fest csa to	500# RIH with	h 4 3/4" bit cleane	d out from 3 100
233	3141'-46'				ith 5 1/2" PKR on 4 1/2					
	li 🖟		with 9,000	gals 15% H	Cl dropping 366 BIO B	lalis. Foam sand	frac'd Yat	es with 100,00	00# Brady brown p	us 100,000# res
					F of N@. Pmax= 2820		•		days - trace of oil.	POOH with wor
		1			sand from 3045' to 3,3				uction etrina DMO	.
raduation Co-	7.0.0045	27 100 44	LOOH WI		rods (surface break). P				iction string, PWOF 300# - OK, PWOP,	
	7-R @ 3210' Fill @ 3220'			ili tods, bumn			J. J. 10.1	.,		
e Size: 7 7/8 in	7-R @ 3210' Fill @ 3220'			ın roas, pump	and tubing. Ran DHF	ourroy, raggod				
e Size: 7 7/8 in . Size: 5 1/2 in	200			ın roas, pump	and lubing. Ran BHP	ourroy, taggod				
e Size: 7 7/8 in Size: 5 1/2 in Set @: 3410 ft s Cmt: 400	Fill @ 3220'	24-Oct-11		ın roas, pump	and tubing. Kan bhe	ourrey, tagget				
Production Csg. e Size: 7 7/8 in j. Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No	Fill @ 3220' TOC @ 3335'	24-Oct-11		in roas, pump	and tubing. Kan bir	ourrey, aggod				
e Size: 7 7/8 in I. Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No DC @: 2240 f / surf	Fill @ 3220' TOC @ 3335'	24-Oct-11		m roas, pump	and tubing, Kan Dhe	ourrey, tagged				
e Size: 7 7/8 in Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No	Fill @ 3220' TOC @ 3335' CIBP @ 3370'	24-Oct-11		in roas, pump	and tubing. Kan bhe	ou.voy, waggod				
e Size: 7 7/8 in I. Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No DC @: 2240 f / surf	Fill @ 3220' TOC @ 3335'	24-Oct-11		m roas, pump	and tubing. Kan bhe	oui.ioj, wggod				
e Size: 7 7/8 in . Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No DC @: 2240 f/ sur	Fill @ 3220' TOC @ 3335' CIBP @ 3370'	24-Oct-11		m roas, pump	and tubing. Kan bhe					
e Size: 7 7/8 in . Size: 5 1/2 in Set @: 3410 ft S Cmt: 400 Circ: No DC @: 2240 f / surge DC by: TS PBTD: 3335 ft TD: 3535 ft	Fill @ 3220' TOC @ 3335' CIBP @ 3370' OH Interval 3410 - 3535'	24-Oct-11		in roas, pump	and tubing. Kan bhe					
e Size: 7 7/8 in . Size: 5 1/2 in Set @: 3410 ft s Cmt: 400 Circ: No DC @: 2240 f/ suri	Fill @ 3220' TOC @ 3335' CIBP @ 3370' OH Interval 3410 - 3535'	24-Oct-11		m roas, pump	and tubing. Kan bhe	·				

\$. W <u>District I</u> 1625 N. French Drive, Hobbs, NM 88240

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

District III 1000 Rio Brazos oad, Aztec, NM 87410 District IV

State of New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Dr.

Form C-107A Revised August 1, 2011

Oil Conservation Division

Santa Fe, New Mexico 87505

APPLICATION TYPE Single Well Establish Pre-Approved Pools EXISTING WELLBORE

APPLICATION FOR DOWNHOLE COMMINGLING Yes No 1220 S. St. Francis Dr., Santa Fe, NM 87505 50 Resaca Operating Company 1331 Lamar Street, Suite 1450 Houston. Address 127 Cooper Jal Unit H-24-24S-36E Lea Unit Letter-Section-Township-Range County OGRID No. <u>263848</u> Property Code <u>306443</u> API No. <u>30-025-09637</u> Federal Lease Type: _ State X Fee DATA ELEMENT **UPPER ZONE** LOWER ZØNE INTERMEDIATE ZONE OIL Jalmat ____ Langlie Mattix Pool Name 33820 37240 Pool Code 3019'-3298 3460'-3541' Top and Bottom of Pay Section (Perforated or Open-Hole Interval) Artificial Lift Artificial Lift Method of Production (Flowing or Artificial Lift) **Bottomhole Pressure** e data will not be required if the botte 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 Producing Producing New Zone Date and Oil/Gas/Water Rates of Last Production. Date: 11/6/2011 Date: Date: 12/26/11 (Note: For new zones with no production history. applicant shall be required to attach production estimates and supporting data.) Rates: 5 BOPD, 5 MCFPD Rates: Rates: 5 BOPD, 5 MCFPD **59 BWPD 68 BWPD** Fixed Allocation Percentage (Note: If allocation is based upon something of Oil Oil Oil Gas Gas Gas than current or past production, supporting data or 50 % 50 % % % 50 50 % explanation will be required.) ADDITIONAL DATA Are all working, royalty and overriding royalty interests identical in all commingled zones? No If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Are all produced fluids from all commingled zones compatible with each other? No Will commingling decrease the value of production? 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? __ No__<u>X</u> 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.

TITLE Engineer Assistant

DATE

TELEPHONE NO. (432

12/22/11

580-8500

E-MAIL ADDRESS melanie.reyes@resacaexploitation.com

Melanie Reyes

SIGNATURE

TYPE OR PRINT NAME



District 1
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	N AND ACREA	AGE DEDICATI	ION PLAT

¹ API Numbe	² Pool Code				³ Pool Name						
30-025-09637	33820/37240 Jalmat/Langlie Mattix										
⁴ Property Code 306443	,				⁵ Propert Cooper J					6 1	Well Number 127
⁷ OGRID No.		· ·		-	8 Operato	or Na	ame				9 Elevation
263848					Resaca Operati	ting (Company	·			3312' KB
					¹⁰ Surface	e Lo	ocation				
i	Township	Range	L	ot Idn	Feet from th		North/South line	Feet from the	East	/West line	County
Н 24	248	36E			165		North	990		East	Lea
	, .					_	Different Fron	1 Surface			
UL or lot no. Section	Township	Range	L	ot Idn	Feet from th	he	North/South line	Feet from the	East	t/West line	County
12 Dedicated Acres 40	r Infill 14 C	onsolidation (Code	15 Oro	der No.					2012	<u> </u>
No allowable will be ass division.	signed to th	is complet	ion u	ntil al	l interests have	e be	een consolidated	or a non-standa	rd unit ha	۲	proved by the
16			24					I hereby certify to the best of to owns a workin the proposed b location pursu- interest, or to order heretofo Signature Melanie Revy Printed Name melanie reves E-mail Addre 18 SURV I hereby ce plat was p made by m same is tru Date of Surv	ty that the inform my knowledge ar my knowledge ar my interest or unit bottom hole loca a voluntary poo- ore entered by th es es ex EYEYOR ertify that th lotted from me or under me and corre wey d Seal of Prof	itation comained belief, and to leased mineral ution or has a rest with an owner ling agreement division. CERT are well location field notes my supervised to the bull location of the lease of t	TIFICATION and hereinris true and complete that this organization either interest in the land including tight to drill this well at this or of such a mineral or working to ra compulsory pooling 12/22/2011 Date IFICATION Attion shown on this of actual surveys ission, and that the eest of my belief.

<u>District I</u> 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 20 South St. Francis Dr

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 Operator	1331 Lamar Stree Add	et, Suite 1450 Houston, TX 77010 dress	
Cooper Jal Unit	141 D-30-24S-3		Lea
Lease	Well No. Unit Letter-	Section-Township-Range	County
OGRID No. 263848 Property Co	de306443 API No30-02	<u>5-11292</u> Lease Type: <u>X</u>	_FederalStateFee
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)			RE(
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		₩ Produçing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	Date: 10/4/2011	Date:	Date: <u>i.2</u> /8/1
estimates and supporting data.)	Rates: 3 BOPD, 3 MCFPD 557 BWPD	Rates:	Rates: 1 BOPD, 1 MCFPD 136 BWPD
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
than current or past production, supporting data or explanation will be required.)	75 % 75 %	% %	25 % 25 %
	ADDITION	NAL DATA	
Are all working, royalty and overriding If not, have all working, royalty and over			Yes X No
Are all produced fluids from all commit	ngled zones compatible with each c	other?	Yes <u>X</u> No
Will commingling decrease the value of	f production?		Yes No_X
If this well is on, or communitized with or the United States Bureau of Land Ma			Yes No_ <u>X</u>
NMOCD Reference Case No. applicabl	e to this well:		_
Attachments: C-102 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method o Notification list of working, royalty Any additional statements, data or comments.	at least one year. (If not available, ry, estimated production rates and so r formula.	attach explanation.) upporting data. r uncommon interest cases.	
	PRE-APPRO	OVED POOLS	
If application is	to establish Pre-Approved Pools, th	ne following additional information wil	I be required:
List of other orders approving downhole List of all operators within the proposed Proof that all operators within the proposed Bottomhole pressure data.	d Pre-Approved Pools		·
I hereby certify that the information	above is true and complete to t	he best of my knowledge and belie	f.
SIGNATURE MLL	TITLE	Engineer Assistant DA	TE12/22/11
TYPE OR PRINT NAME	Melanie Reyes	TELEPHONE NO. (<u>432</u>) 580-8500

E-MAIL ADDRESS <u>melanie.reyes@resacaexploitation.com</u>

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Phone: (505) 476-3460 Fax: (505) 476-3462

⁴ Property Code

306443

1 API Number

30-025-11292

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

³ Pool Name

Jalmat/Langlie Mattix

Certificate Number

☐ AMENDED REPORT

⁶ Well Number

141

WELL LOCATION AND ACREAGE DEDICATION PLAT

⁵ Property Name

Cooper Jal Unit

² Pool Code

33820/37240

OGKID	10.				Operator N	lame		!	Elevation
263848	·				Resaca Operating	Company			3279' GL
			· ·		¹⁰ Surface I	ocation		·	
UL or lot no.	Section	Township	Range	Lot Idn	· — · — · — · · · · · · · · · · · · · ·	North/South line	Feet from the	East/West line	County
D	30	I -	_		330	North	330	West	Lea
	L	l	ıı Do	ttom IJo	la Lagation If	Different Fron	2 Cumface		
UL or lot no.	Section	Township	Range		Feet from the	North/South line	Feet from the	East/West line	County
OL OF IOURO.	Section	Township	Kange	Lot Iun	reet from the	1407th/South file	reet from the	East West line	County
12 Dedicated Acres	s 13 Joint o	r Infill I	Consolidation	Code 15 O	l l				
40	, ,		Consolidation		idel 110.				
No allowable division.	will be ass	signed to	this comple	tion until a	Il interests have l	been consolidated	or a non-standa	rd unit has been ap	oproved by the
" ' <u>'</u> <u>'</u> <u>'</u>							17 O]	PERATOR CERT	TIFICATION
 1 (y)							I hereby certif	y that the information contain	ed herein is true and complete
<i>3</i> 30'							<u> </u>	ny knowledge and belief, and	_
							ll l	-	l interest in the land including
							li	bottom hole location or has a	rignt to arill this well at this er of such a mineral or working
							II -	ani io a contract with an own a voluntary pooling agreemen	
							[]	re entered by the division.	, or a companion, pooring
						-	1/1/	110	12/22/2011
							1100	- 15	Date
							Signature		Date
				7			Melanie Rey		
							Printed Name	•	
							melanie.reve	s@resacaexploitation.com	
							E-mail Addre		
<u> </u>			:	3 <i>D</i>				20	<u> </u>
			_			,		ÆYOR ÇÉRT	
							11	ertify that the well loc	Married Street, or other Street, or othe
						•	plat was p	lotted from field-notes	of actual surveys
		·					made by n	ue or under my superv	ision, and that the
							same is tri	ie and correct to the b	est of my belief.
								جائيبوني بادر دوي	\leq
							Date of Surv	/ev l.J	-
							ll l	d Seal of Professional Sur	T/OVOT"
							Signature an	a sea of Fioressional sui	veyor.
				{					

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

MIZ JAN 20 A ID CO