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- ΤI	HIS CHECKL	IST IS MAN				IVE APPLICATION				ULES AND REGULA	TIONS
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		[D]				Oncurrent App - Commissioner of Pu					
		[E]	For For	all of the a	bove, P	roof of Notifi	cation o	r Publicati	on is Attacl	ned, and/or,	
		[F]	🗍 Wa	ivers are A	ttached						

[31 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.

Note: Sta	tement must be completed by an individual with m	ianageriai and/or supervisor	y capacity.
Deana Weaver	Deanaweaver	Production Clerk	May 6. 2015
Print or Type Name	Signature	Title	U _{Date}
		dweaver@mec.com e-mail Address	
		c-man Address	



RECEIVED OCD

P.O. Box 960 Artesia, NM 88211-0960 Office (575) 748-1288 Fax (575) 746-9539

2015 MAY 12 P 3 36

May 4, 2015

Oil Conservation Division Attn: Phillip R Goetze 1220 South St. Francis Dr. Santa Fe, NM 87505

Re: Down Hole Commingling, and measurement of Hydrocarbon Production for: Burnet Fee #1 Section 3, T23S, R27E Eddy County, New Mexico

Mack Energy Corporation as operator of the aforementioned well respectfully requests administrative approval for down hole commingling and measurement of production.

Mack Energy proposes to commingle Bone Spring and Upper Wolfcamp production in the Burnet Fee #1. Production of both pools will be measured at the TB located in the SW/4 SE/4, Sec. 3 T23S R27E. This lease has common interest in both pools. Notification has been made to all parties owning an interest in this lease, including the oil purchaser, of the intent to commingle. Allocation will be done using Fixed Allocation Percentage.

Should you require any additional information concerning this application, please call Deana Weaver at 575-748-1288. Thank you for your consideration of this request.

Sincerely,

MACK ENERGY CORPORATION

ing Weaver

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/ Enclosures District I

NM 88240

District 11 1301 W. Grand Ave sia. NM 68210

District III 1000 Rio Brazos Road, Aztec, NM 874 1 0

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

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

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

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE X____Single Well X Establish Prc-Approved Pools EXISTING WELLBORE X Yes No

Mack Energy Corporation P.O. Box 960, Artesia, NM 88211-0960 Operator Address Burnet Fee O-3-23S-27E Eddy Lease Well No. Unit Letter-Section-Township-Range County OGRID No. 013837 Property Code 40369 API No. 30-015-42019 Lease Type: ____Federal ____State x___Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name		Cass Draw; Bone Spring	WC-015 G-06 S232704H; Upper Wolfcamp
PoolCode		10380	98125
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)		8831-9065'	9065-9149'
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)		32.00	32.00
Producing, Shut-In or New Zone		New Zone	New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production bistory, applicant shall be required to attach production estimates and supporting data.)	Date:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or put production, supporting data or explanation will be required.)	0il Gas %	Oil Gas	oil Gas

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?	Yes <u>X</u> Yes	No No
Are all produced fluids from all commingled zones compatible with each other?	Yes <u>X</u>	No
Will commingling decrease the value of production?	Yes	<u>No</u> 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 <u>_X</u>
NMOCD Reference Case No. applicable to this well:		
Attachments:		

C-1 02 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. Bottornhole pressure data.

I hereby certify that the information above is true ar	nd complete to the best of my knowle	dge and belief
SIGNATURE 1.) ana Weaver	TITLEProduction Clerk	DATE 5.6.15

SIGNATURE I: I UNUWUUUU	TITLE Production Clerk
TYPE OR PRINT NAME Deana Weaver	TEL

TELEPHONE NO. (575) 748-1288

E-MAIL ADDRESS dweaver@mec.com

District.1 1625 N. French Dr., Hobbs, NM 55240 Phone, (575) 393-6161 Fax, (575) 393-0720 District.II 811 S. First St., Artesia, NM 85210 Phone, (575) 745-1283 Fax; (575) 745-9720 District.III 000 Rio Brazos Road, Aztec, NM 57410 Phone: (505) 334-6178 Fax; (505) 334-6170 District.IV 1220 S. St., Francis Dr., Santa Fe, NM 57505 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

		W	ELL LO	DCATIO	N AND AC	CREAGE DEDIC	CATION PLA	T			
· · · ,	API Numbe	r		² Pool Cod	c		³ Pool Na	nic			
30-015-	42019		10	380	(Cass Draw; Bo	one Spring				
⁴ Property (Code					rty Name	r = = .o		۴ ۱	Well Number	_
40369					BURNI	ET FEE				ł	
'OGRID :	No.			· · ·	* Operat	tor Name				* Elevation	
13837	7			MAC	K ENERGY	CORPORATION				3098.7	
					" Surfac	e Location					
UL or lot no.	Section	Tawnship	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County	
0	3	23 S	27 E		400	SOUTH	2115	EAS	st	EDÐY	
			٩E	Bottom H	ole Locatio	on If Different Fro	om Surface				_
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/We	st line	County	
0	3	23 S	27 E		965	SOUTH	2285	EAS	ST	EDDY	
¹² Dedicated Acres	¹³ Joint o	r Infill ¹⁴ Ce	onsolidation	Code ^{1*} Oi	rder No.				I	·	_
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.

		0050.10 57	N90119155 T	2651.41 FT		" OPERATOR CERTIFICATION
	N89 29 41 E	2652.18 FT				I hereby certify that the information contained herein is true and complete
	NW CORNER SEC. 3		NER SEC. 3	I NE CORNER SEC. 3 I LAT. = 32'20'29,452'N		to the best of my knowledge and belief, and that this organization either
	LAT. = 32'20'29.059'N LONG. = 104'11'11.218''W		"20"29.254"N)4'10'40.311"W	'LONG, = 104'10'09.412"W		owns a working interest or unleased mineral interest in the land including
			EAST (FT)	NUSP FAST (FT)		
-	NMSP EAST (FF) N = 487966.38		87989.76	N = 488013.72		the proposed bottom hole location or has a right to drill this well at this
<u> </u>	E = 586700.21	E = 5	89351.67	E ≈ 592002.35		location pursuant to a contract with an owner of such a mineral or working
2605.09		1	1		m	interest, or to a voluntary pooling agreement or a compulsory pooling
65	}			l	2634.	fordex heretofore entered by the division
26	L4	13	112	1.1	5	1 Data al 1 la rupic 51 10
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V00'58		COORDINATES ARE GRID (N	AD83). BASIS OF BEARING	ł	Ĩ	Deana Weaver
2 2		AND DISTANCES USED ARE	NEW MEXICO STATE PLANE		ß	Printed Name
		DAST COURDINATES MOURTE	U TU THE SURFACE.	}	1 1	
	W Q CORNER SEC. 3			E Q CORNER SEC. 3	í í	dweaver@mec.com
	LAT. = 32'20'03.290"N		. I	LAT. = 32°20'03.395"N		E-mail Address
	LONG. = 104'11'11.777"W			$LONG. = 104^{\circ}10^{\circ}10.090$ W		
	NMSP EAST (FT)	BURNET FEE #1	!	NMSP EAST (FT)		SURVEYOR CERTIFICATION
	N = 485362.27 E = 586655.89	ELEV. = 3098.7 [°] LAT. = 32 [°] 19 [°] 41.248 [°]	N (NAD93)	N = 485380.53 E = 591948.20		
	L = 000000.03	LONG. = 104'10'35.3		t - 391940.20		I hereby certify that the well location shown on this
<u></u>		NMSP EAST (FT)			-	plat was plotted from field notes of actual surveys
5	1	N = 483139.25			<u>ц</u>	
83		E = 589787.72	ļ	SE CORNER SEC. 3	8	made by me or under my supervision, and that the
5	į	BOTTOM OF HOLE	i	LAT. = $32'19'37.344"N$	33	same is frue and correct to the best of my belief.
263		LAT. = $32^{\circ}19^{\circ}46.830^{\circ}N$ LONG. = $104^{\circ}10_{\circ}37_{\circ}141^{\circ}N$	1		26	JANUARY 10. 2014 MEANO
ш,	'	NMSP EAST (FT)	;	NMSP EAST (FT)	≥	DANUART IV. 2014
ω	I	N = 483703.09		N = 482747.89	5	Date of Survey
58.1	1	E = 589629.83			5	
	1	1	BOTTOM		2	Why why all
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	AT. = 32°19'37.197"N [{] .ONG. = 104'11'12.340"W .1	LAT. = 32'19'37.275"N ONG. = 104'10'41.811"W	96			Signalization and Scal of Professional June for
	UMB: = 104 TT 12,540 H ; 1	NMSP EAST (FT)	·····	- 2115'		A NEW You was the first of the
	(= 482725.43	N = 482736.97	SURFACE	k		Confricate Number FILIND SFF. J. MAMILLO. PLS 12797
E	= 586611.17	E = 589230.57	O LOCATION		~	SURVEY NO. 2578
	S89'44'52"W	2620.04 FT	\$89'45'54'W	2664.74 FT		- · ·

District J 1625 N. French Dr., Holsts, NM 58240 Phone, (575) 393-6164 FAA (575) 393-0720 District, II 811 S. First St., Artesla, NM 58210 Phone: (575) 748-1283 Fax: (575) 745-9720 District, III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District, IM 1220 S. St., Francis Dr., Santa Fe, NM 87505 Phone: (503) 476-3460 Fax: (505) 476-3462

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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

		W	ELL LO	DCATIO	N AND AG	CREAGE DEDI	CATION PL	AT		
	API Numbe	r		² Pool Code	e		³ Pool N	ame		
	42019		98	125	1	<u>IC-015</u> G-06 S	232704H:	Upper V	Volfca	IMD
* Property (rty Name				Vell Number
40369					BURN	ET FEE				1
⁷ OGRID	No.				* Operat	tor Name				* Elevation
13837	7			MAC	K ENERGY	CORPORATION				3098.7
					" Surfac	e Location				·
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
0	3	23 S	27 E		400	SOUTH	2115	EA9	st	EDDY
			۳E	Bottom H	ole Locatio	on If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County
0	3	23 S	27 E		965	SOUTH	2285	EA9	ST [EDDY
¹² Dedicated Acres 40	s ¹³ Joint o	r Infill ¹⁴ Co	onsolidation	Code ¹⁴ Or	rder No.		~	•		

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.

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MEMO

DATE:	April 2, 2015
TO:	NMOCD
FROM:	Travis K. Lanning
RE:	Burnet Fee #1 <u>T23S, R27E, NMPM</u> Section 3: SW/4SE/4, Eddy County, New Mexico

Mack Energy Corporation respectfully requests approval to downhole commingle production from the Bone Spring and Wolfcamp formations in our Burnet Fee No. 1.

All formations have identical working and revenue interests.

Please do not hesitate to contact me should you require any further information.

Sincerely, Mack Energy Corporation

Travis K. Zanning Land Manager

	DIVISION OF	INTERE	EST			
	Burnet Fe	ee #1				
	Fee Lea	se				
	<u>T23S, 27E, Eddy (</u>					
	Section 03: SV	V/4SE/4				
WNER#	OWNER	WI	NRI	TYP INT	SUS STAT	
003791	Madison M. Hinkle		0.04166667	ORRI	DIVOR	
	P O Box 2292					· · · · · · · · · · · · · · · · · · ·
	Roswell, NM 88202-2292					
003158	Rolla R. Hinkle III		0.04166666	ORRI	DIVOR	
	P. O. Box 2292					
	Roswell, NM 88202-2292					
022536	Virginia Lee Daugherty		0.02000000	NPRI	TITLE	(non-participating royalty
	13553 Camino De Plata Court					
	Corpus Christi, TX 78418					
015826	Ross Duncan Properties LLC		0.04888889	RI	TITLE	
	P O Box 647					
	Artesia, NM 88211-0647					
016112	B&G Royalties		0.04888889	RI	TITLE	
	P O Box 376					
	Artesia, NM 88211-0376					
016764	Panhandle Properties, LLC		0.02444445	RI	TITLE	
	P O Box 647					
	Artesia, NM 88211-0647					
016114	Xplor Resources, LLC		0.02444444	RI	TITLÊ	
	1104 North Shore Drive					
	Carlsbad, NM 888220					
101	Chase Oil Corporation	0.85000000	0.63750000	WI	MIN	
	P. O. Box 1767					
	Artesia, NM 88211-1767					
110	Robert C. Chase	0.05000000	0.03750000	WI	MIN	
	P. O. Box 297					
	Artesia, NM 88211-0297					
185	Ventana Minerals LLC	0.05000000	0.03750000	WI	MIN	· · · · · · · · · · · · · · · · · · ·
	P. O. Box 359 Artesia, NM 88211-0359					
195	DiaKan Minerals LLC	0.05000000	0.03750000	WI	MIN	
	P. O. Box 693					
	Artesia, NM 88211	1.1.00000000	1.00000000			
	TOTAL		1.00000000			J <u> </u>



May 4, 2015

Madison M. Hinkle P.O. Box 2292 Roswell, NM 88202-2292

VIA CERTIFIED MAIL 7014 1820 0001 6619 1456 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

naweaver

Deana Weaver Production Clerk dweaver@mec.com

DW/



May 4, 2015

Rolla R. Hinkle III P.O. Box 2292 Roswell, NM 88202-2292

VIA CERTIFIED MAIL 7014 1820 0001 6619 1463 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

eana weaver

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/



May 4, 2015

Virginia Lee Daugherty 13553 Camino De Plata Court Corpus Christi, TX 78418

VIA CERTIFIED MAIL 7014 1820 0001 6619 1470 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

weaver

Deana Weaver Production Clerk dweaver@mec.com

DW/



May 4, 2015

Ross Duncan Properties, LLC P.O. Box 647 Artesia, NM 88211-0647

VIA CERTIFIED MAIL 7014 1820 0001 6619 1487 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/



May 4, 2015

B&G Royalties P.O. Box 376 Artesia, NM 88211-0376

VIA CERTIFIED MAIL 7014 1820 0001 6619 1494 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

PRIVER

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/



May 4, 2015

Panhandle Properties, LLC P.O. Box 647 Artesia, NM 88211-0647

VIA CERTIFIED MAIL 7014 1820 0001 6619 1500 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

unawquer

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/



May 4, 2015

Xplor Resources, LLC 1104 North Shore Drive Carlsbad, NM 88220

VIA CERTIFIED MAIL 7014 1820 0001 6619 1517 CERTIFIED RETURN RECEIPT MAIL

Dear Sir:

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to Down Hole Commingle production from the Bone Spring and Upper Wolfcamp in the Burnet Fee #1 located in Sec. 3 T23S R27E, 400 FSL & 2115 FEL, Eddy County, New Mexico.

Should you have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the DHC application if no objection has been made within the 20 days after the application has been received.

Sincerely,

Haver

Deana Weaver Production Clerk <u>dweaver@mec.com</u>

DW/

Michael,

Mack Energy has perforated and produced some of our wells in the Carlsbad area. It was discovered that the bottom section of perforations were actually in the Wolfcamp formation. After meeting with Paul Kautz and Randy Dade to discuss this issue, we agreed to test one of the wells(Derrick Fee #1) and use this data for all wells within this area.

The water analysis for the Den SWD #1 and Spoon SWD #1 is attached.

Date:	Oil	Gas	Water
3/22/2015	22	154	87
3/23/2015	£ 25 3	이 2월 - 27 이 집 - 52 년	127
3/24/2015	f. 1 25	152	117
3/25/2015	2 2 2 5 + 1919 - Enci - Enci - 19		
3/26/2015	水(22) 高/都管。 	134 1140 - 1 - 1	141 4 4 4
3/28/2015	25	152	85

Isolated Wolfcamp perfs, Bone Spring Production Only

Commingled Wolfcamp and Bone Spring

Date:	Oil	Gas	Water
4/30/2015	28	153	146
5/1/2015	22	153	<u>1</u> 62
5/2/2015	25 🔬 🖉	ia_ ∎161 i ĝ. j	236
5/3/2015	25 🛓 👔	159	2 150

Commingled Bone Spring and Wolfcamp Avg: Avg: 25 Oil, 157 MCF, 173 Water

Bone Spring Only Avg: Avg: 24 Oil, 149 MCF, 112 Water Avg: 96% Oil

Wolfcamp Only Avg: Avg: 1 Oil, 8 MCF, 61 Water Avg: 4% Oil