## McMillan, Michael, EMNRD

From:

McMillan, Michael, EMNRD

Sent:

Wednesday, March 29, 2017 4:47 PM

To:

'Amithy Crawford'

Subject:

RE: [External] RE: Cimarex Energy Federal 9 Well No. 1, Federal Well No.2, No.3, and No.

4

**Thanks** 

I will have someone put this letter and your application into the well files.

Mike

From: Amithy Crawford [mailto:acrawford@cimarex.com]

Sent: Wednesday, March 29, 2017 3:00 PM

To: McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us>

Subject: RE: [External] RE: Cimarex Energy Federal 9 Well No. 1, Federal Well No.2, No.3, and No. 4

Mr. McMillan,

Please see attached the letter that you have requested. Please let me know if this addresses your concerns.

Thank you,

**Amithy Crawford** 

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]

Sent: Monday, March 20, 2017 10:00 AM

To: Kelly Reese < kreese@cimarex.com >; Amithy Crawford < acrawford@cimarex.com >

Subject: RE: [External] RE: Cimarex Energy Federal 9 Well No. 1, Federal Well No.2, No.3, and No. 4

Thanks

Mike

From: Kelly Reese [mailto:kreese@cimarex.com]

Sent: Monday, March 20, 2017 8:59 AM

To: McMillan, Michael, EMNRD < Michael.McMillan@state.nm.us>; Amithy Crawford < acrawford@cimarex.com>

Subject: RE: [External] RE: Cimarex Energy Federal 9 Well No. 1, Federal Well No.2, No.3, and No. 4

Mike,

The ownership is the same for all of the wells. I was going to draft a new letter since my other two were confusing. I will get that to Amithy today.

ENGINEER Am

3/10/20 6

TYPE 7B

PM AM 706 G 78060

ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



# **ADMINISTRATIVE APPLICATION CHECKLIST**

ТН	IIS CHECKLIST IS MA		IISTRATIVE APPLICATIONS E PROCESSING AT THE DIV	FOR EXCEPTIONS TO DIVISION RU	LES AND REGULATIONS	
Applic	[DHC-Down [PC-Poo	i: idard Location] [NSP ihole Commingling] ol Commingling] [O [WFX-Waterflood Exp	-Non-Standard Prorat [CTB-Lease Commit LS - Off-Lease Storag ansion] [PMX-Pres	tion Unit] [SD-Simultaneous ngling] [PLC-Pool/Lease C ge] [OLM-Off-Lease Measu sure Maintenance Expansio	ommingling] urement]	
	[EOR-Quali			ction Pressure Increase] [PPR-Positive Production	n Response]	
[1]	TYPE OF API		Those Which Apply Jnit - Simultaneous De		30-015-25840	o. of Colorado 162683
	Check [B]	One Only for [B] or [G Commingling - Stora DHC X CTB	age - Measurement  PLC	PC X OLS X OLM	Federal #2 30-015-25716 Federal #3 30-015-25751	
	[C]			nhanced Oil Recovery IPI	Federal #4 30-015-25784	
	[D]	Other: Specify				
[2]	NOTIFICATION [A]		e: - Check Those Which ty or Overriding Roya	ch Apply, or Does Not App lty Interest Owners	ly in the second	
	[B]	Offset Operator	s, Leaseholders or Sur	face Owner	• 4	
	[C]		-	ublished Legal Notice		
	[D]	Notification and U.S. Bureau of Land Ma	d/or Concurrent Appronagement - Commissioner of Pub	oval by BLM or SLO lic Lands, State Land Office  Ition or Publication is Attache	Pou	
	[E]	For all of the ab	ove, Proof of Notifica	tion or Publication is Attache	ed, and/or, 544	GANT
	[F]	☐ Waivers are Att	ached		Hon	Shrw
[3]		CURATE AND COM TION INDICATED	IPLETE INFORMA	TION REQUIRED TO PRO	OCESS THE TYP	6405
	al is <b>accurate</b> an	nd complete to the bes		submitted with this application also understand that <b>no action</b> mitted to the Division.		
	Note:	Statement must be comp	leted by an individual with	n managerial and/or supervisory c	apacity.	
	ny Crawford Type Name	Signature	ly l'enfoy	Regulatory Analyst Title	3/8/17 Date	
			_	acrawford@cimarev	com	

e-mail Address

Cimarex Energy Co.

202 S. Cheyenne Ave.

Suite 1000

Tulsa, Oklahoma 74103-4346

PHONE: 918.585.1100

FAX: 918.585.1133



Michael McMillian
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

Re:

Federal 9 #001, Federal #002. Federal #003, Federal #004 API 30-015-25840, 30-015-25716, 30-015-25751, 30-015-25784 NW/4NW/4 of Section 9 & SE/4 Section 5, Township 18 South, Range 31 East, N.M.P.M. Eddy County, New Mexico.

Dear Mr. McMillian:

The Federal 9 #001 well is located in the NW/4NW/4 of Sec. 9, 18S, 31E, Eddy County NM, and the Federal 002, 003, & 004 are located in the SE/4 of Sec. 5, 18S, 31E, Eddy County NM.

Cimarex is the operator of the NW/4NW/4 of Sec. 9 and the SE/4 of Sec. 5, 18S, 31E, Eddy County, NM as to all depths from the surface of the Earth down to the base of the Bone Spring formation.

Ownership, including overriding royalty interests, in the Federal 9 #001, Federal #002, #003, & #004 are identical within these depths with Cimarex Energy Co. of Colorado as the 100% Working Interest Owner and Operator of all the described wells.

Sincerely,

Kelly Reese

Exploration Landman kreese@cimarex.com

Direct: 432-620-1966

# APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY & OFF LEASE GAS MEASUREMENT & STORAGE

Commingling proposal for Federal 5 Tank Battery:

Federal 9 #1 – Sec. 09, 18S, 31E Federal #2 #3 #4- Sec. 05, 18S, 31E

**Eddy County NM** 

Well Name	Qtr/Qtr	API	POOL	BOPD	Gravities	MCFPD	BTU
Federal 9 #1	NW/NW	30-015-25840	56405	2	36.24	5	1.327
Federal #2	NW/SE	30-015-25716	56405	3	36.24	4	1.327
Federal #3	SE/SE	30-015-25751	56405	1	36.24	5	1.327
Federal #4	SW/SE	30-015-25784	56405	2	36.24	4	1.327

The attached map shows the federal leases and well locations in Section 09-T18S-R31E & Sec 05-T18S-R31E.

The BLM's interest in all wells is the same. Lease NMNM106964 royalty rate is 12.5% and involves 160 acres. Lease NMNM028098 royalty rate is 12.5% and involves 40 acres.

The ownership is identical in all wells, please see attached ownership verification letter. Originally, all wells were under federal lease # NMNM0334702 and then the NWNW of section 9 was segregated into a new lease NMNM028098 and section 5 was segregated into a new lease #NMNM106964 on December 23<sup>rd</sup> 1975.

### Oil & Gas Metering:

The central tank battery is located on the well pad for the Federal #1 located in Sec. 05 NESE, T18S-R31E on federal lease NMNM106964 in Eddy County, New Mexico. The production from the Federal 9-1, 2, 3, & 4 wells will come to a common production header. The production from the Federal #1 will go into its own individual production separator, tanks and custody transfer meter.

Oil and gas production from the Federal 9-1, 2, 3, & 4 is commingled and allocated to the wells based upon a monthly well test. Oil production from these wells is produced into a 210 bbl and 300 bbl tank and commingled production is gauged daily. The gas production from the Federal 9-1, 2, 3 & 4 wells flow into a common production separator and flows through DCP # 14892-00 sales meter on the NW side of the facility. These meters will be calibrated on a regular basis per API, NMOCD, and BLM specifications. The BLM and OCD will be notified of any future changes in the facilities.

### **Process and Flow Descriptions:**

The flow of production is shown in detail on attached facility diagram. Also attached is a map that shows the lease boundaries and location of wells.

The commingling of this production is the most effective economical means of producing the reserves. Identical ownership in the two leases does not present a problem for royalty distribution or production allocation. The proposed commingling will reduce operating expenses as well as reduce the surface facility footprint and overall emissions.

Due to the low volume producing well(s) any other allocation requirements could possible require plug and abandonment of well in order to eliminate the commingling issue.

Cimarex Energy Co. understands the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

Form 3160-5 (June 2015)

### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE - Other instructions on page 2

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

FORM APPROVED	
OMB NO. 1004-0137	
Expires: January 31, 201	į

	Expires. January 31, 2016
5.	Lease Serial No. NMNM106964
6	If Indian Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

I. Type of Well			8	. Well Name and No. FEDERAL 5 BAT	TERY 1
Ø Oil Well ☐ Gas Well ☐ Oth  2. Name of Operator		AMITUV CDAWEODD	0	. API Well No.	
CIMAREX ENERGY CO OF C	COLRAD@-Mail: acrawford@				
3a. Address 202 S. CHEYENNE AVE STE TULSA, OK 74103	1000	3b. Phone No. (include area co Ph: 432-620-1909			
4. Location of Well (Footage, Sec., T	1	1. County or Parish,	State		
Sec -2147483648 T18S R31E		EDDY COUNTY	ſ, NM		
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICATE NATURE	OF NOTICE, R	EPORT, OR OTH	HER DATA
TYPE OF SUBMISSION	OF ACTION				
➤ Notice of Intent	☐ Acidize	□ Deepen	□ Production	(Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	Hydraulic Fracturing	g 🗖 Reclamation	on	■ Well Integrity
☐ Subsequent Report	□ Casing Repair	■ New Construction	☐ Recomplet	te	Other
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	□ Temporari	ly Abandon	Surface Commingling
	☐ Convert to Injection	Plug Back	■ Water Disp	posal	
Cimarex Energy Co. Respective Federal #2, #3, & #4 and the I for off Lease storage and off Identified Please see attached the appliance of the Identified Federal #2, #3, & #4 and the I for off Lease storage and off Identified Federal #2, #4 and the Identified Federal #4. I hereby certify that the foregoing is	Federal 9 #1 at the Federal 9 #1 at the Federal 9 #1 at the Federal 9 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2 #2	al 5 Battery. Cimarex also ress flow diagram and LR20	equests approval		
The amount of the second of th	Electronic Submission # For CIMAREX ENE	369141 verified by the BLM V RGY CO OF COLRADO, ser	Vell Information S at to the Carlsbad	ystem	
Name (Printed/Typed) AMITHY (	CRAWFORD	Title REG	ULATORY ANAL	YST	
Signature (Electronic	Submission)	Date 03/08	3/2017		
	THIS SPACE FO	OR FEDERAL OR STAT	E OFFICE USE		
					5.4
Approved By		Title			Date
Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to conditions.	uitable title to those rights in the				
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				to any department or	agency of the United
(Instructions on page 2)					

Sec. 5-18S-31E
Eddy County, NM

NMNM0299468

NMNM068038

NMNM068028

NMNM068040

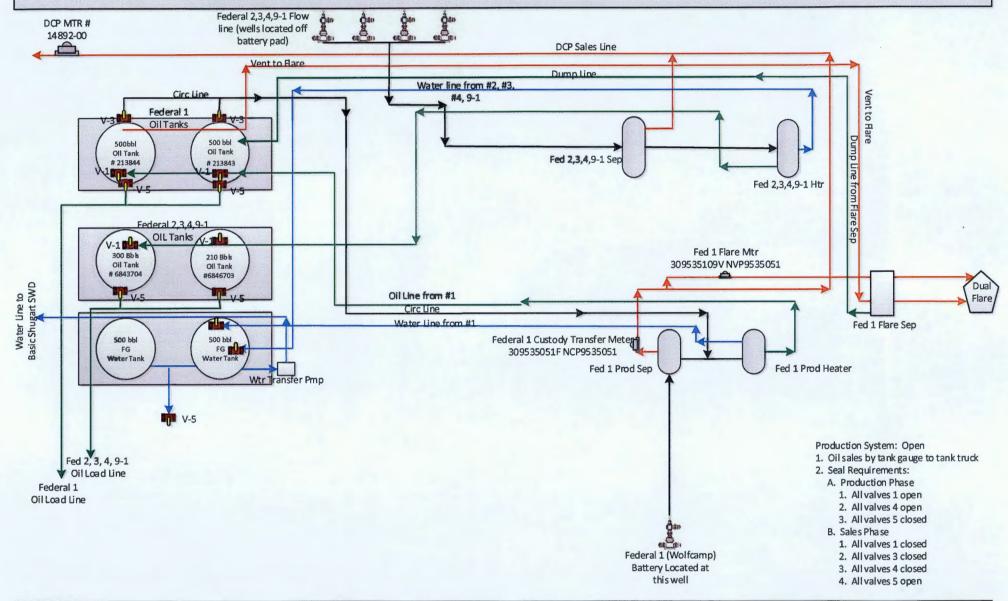
NMNM068040

NMNM068040

**Federal Lease** 

Federal 9 Lease Sec. 9-18S-31E Eddy County, NM





Lease: Federal 1 API: 30-015-25490 ULSTR: NESE 05-18S-31E 2080 FSL 560 FEL Eddy County, NM BLM # NMNM106964 Lease: Federal 2 API: 30-015-25716 ULSTR: 05-18S-31E 1980 FSL 1980 FEL Eddy County, NM BLM # NMNM106964 Lease: Federal 3 API: 30-015-25751 ULSTR: 05-18S-31E 990 FSL 660 FEL Eddy County, NM BLM # NMNM106964 Lease: Federal 4 API: 30-015-25784 ULSTR: 05-18S-31E 660 FSL 1980 FEL Eddy County, NM BLM # NMNM106964 Lease: Federal 9 #1 API: 30-015-25840 ULSTR: 09-21S-31E 410 FNLL 850 FWL Eddy County, NM BLM # NMNM28098



Drawn: 3/8/17 AC

# N / MEXICO OIL CONSERVATION COMMIS. N WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-132 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Onit Letter Section Township Range County D 9 18 South 31 East Eddy  Actual Footage Location of Well: 410 feet from the North line and 850 feet from the line	Operator IINTON '	TEYAS PETROLE	TIM CODDODATION	Federal 9		Well No.
Actual Fostore Location of Wall:  All Desiration the South S				<del></del>		
A 10   free from the   North   Jose and   850   test from the   Section 2012   The standard Arresting   The standard Arre	_	1 .			•	
Double the screage dedicated to the subject well by colored pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?    Yes	•		North	850 (-	West	li
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  Yes No If answer is "yes," type of consolidation  If answer is "no," list the owners and tract descriptions which have actually been consolidated. (I'se reverse side of this form if accessary.)  No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.  CERTIFICATION  I havely certify that the information contained herein is true and complete to the best of my handledge and belief.  Ken White  Req. Permit Coordinator  Fostice  Union Texas Petroleum Corp.  Corp. 20  June 29, 1987  Registered Protession!  Doite Surveyers  June 29, 1987  Registered Protession!  Continued herein is row ond complete to the best of my through the same and struct surveyers to the same and struct surveyers and the surveyers of the same and struct surveyers and the surveyers of the same and struct surveyers and the surveyers of the same and struct surveyers and the surveyers of the same and struct surveyers and the surveyers and surveyers	Ground Level Elev. 3709.	Producing Fo	ormation Copye FRIII	Pool JNG 1.	CHUGERT	Dedicated Acresse:
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# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

## 'L CONSERVATION DIVISION

### P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the outer houndaries of the Section.

Operator		7	Leose				Well No.			
	xas Petroleum	Corporation /		Federal			2			
Unit Letter	Section	Township	Fran	-	County					
Actual Fastage Loc	5	T-18-S		R-31-E	<u>E</u>	ddy				
1980 feet from the South line and 1980 feet from the East line										
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## STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

# DIL CONSERVATION DIVISION

## P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-79

All distances must be from the outer boundaries of the Section

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Operator Union	Texas Petrole	um Corp.	Leas	• Federal			Well No.
Unit Letter	Section	Township		Range	County	···	
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Ground Level Clev.	O feet from the SO Froducing Fo		and Fool		t from the		line
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		lifferent ownership unitization, force-p			have the i	nterests of all o	wners been consoli-
☐ Yes	No If a	nswer is "yes;" ty	na al nan	rolidation			
	140 11 E	nswer is yes, ty	he or cour				
		owners and tract of	descriptio	ns which have ac	tually bec	n consolidated. (	Use reverse side of
	necessary.)				<del></del>		
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torcea-pool	ing, or otherwise	or until a non-star	ומטים שהונ	, eliminating suc	h interests	s, has been appro	ved by the Division.
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# N\_# MEXICO OIL CONSERVATION COMMIS. N WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-112 Supersedes C-128 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator			Lease		Well No.				
UNION T	EXAS PETROLEU	M CORPORATION	Federal 5		4				
Unit Letter	Section	Township	Range	County					
0	5	18 South	31 East	Eddy					
Actual Footage Loc	ation of Well:	•							
660	feet from the	South line and	1980 <sub>(ee</sub>	t from the East	line				
Ground Level Elev.	Producing For		Pool		Dedicated Acreage;				
3710.	North S	hugart	Bone Springs		40 Auros				
1. Outline th	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.								
	2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).								
		ifferent ownership is mitization, force-pool		have the interests of	f all owners been consoli-				
Yes	☐ No If a	nswer is "yes;" type	of consolidation		1				
		owners and tract des	criptions which have a	ctually been consolid	ated. (Use reverse side of				
	f necessary.)	3	1 •	1.7					
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	ling, or otherwise)	or until a non-standar	rd unit, eliminating suc	h interests, has beer	approved by the Commis-				
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