Form 3160-5

UNITED STATES

Carlsbad Field Office APPROVED

	BE I YADNU	PARTMENT OF THE IN UREAU OF LAND MANA- NOTICES AND REPO	NTERIOR GEMENT RTS ON WE	ELLS	OCI) Art	OM Expire 5. Lease Serial No NMNM1192		
Do i aban	not use thi doned wel	s form for proposals to II. Use form 3160-3 (API	drill or to re- D) for such p	enter a proposa	n Is.		6. If Indian, Allot	tee or Trib	e Name
S	UBMIT IN 1	FRIPLICATE - Other inst	ructions on	page 2			7. If Unit or CA/A	\greement.	, Name and/or No.
Type of Well Oil Well	Well 🗖 Oth	er			·		8. Well Name and MultipleSee		
2. Name of Operator			ARICKA EAS @cimarex.com	STERLIN	NG		9. API Well No. MultipleSe	e Attach	ed
3a. Address 202 S CHEYENNE TULSA, OK 74103		E 1000	3b. Phone No Ph: 918-56		area code)		10. Field and Poo COUNTY LI		
4. Location of Well (Fo	otage, Sec., T	., R., M., or Survey Description)				11. County or Par	rish, State	
MultipleSee Attac	hed						EDDY COU	NTY, NI	Λ
12. CHEC	CK THE AF	PROPRIATE BOX(ES)	TO INDICA	TE NA	TURE OF	NOTICE,	REPORT, OR	OTHER	DATA
TYPE OF SUBMIS	SION				TYPE OF	ACTION			
Notice of Intent ■		☐ Acidize	🗖 Dee	pen		☐ Product	ion (Start/Resume	;) 🗖	Water Shut-Off
-		☐ Alter Casing	🗖 Hyd	lraulic Fr	racturing	Reclam	ation		Well Integrity
☐ Subsequent Repor	t	Casing Repair	□ Nev	v Constru	uction	☐ Recomp	olete		Other
☐ Final Abandonme	nt Notice	Change Plans	Plug	g and Ab	andon	☐ Tempor	arily Abandon	Sı	urface Comming
		Convert to Injection	🗀 Plug	g Back		☐ Water I	Disposal		
If the proposal is to dee Attach the Bond under following completion o testing has been comple determined that the site Cimarex Energy Co wells: Glycerin 10	pen directions which the wor f the involved eted. Final At is ready for final concepts are the conference of the confere	eration: Clearly state all pertine ally or recomplete horizontally, it will be performed or provide operations. If the operation repandonment Notices must be fil inal inspection. Illy requests approval for and Glycerin 10 Federation is located at the Glycerin	give subsurface the Bond No. or sults in a multipled only after all a Central Tar al Com #2.	locations in file with the comple requirement ink Batte	and measur BLM/BIA. tion or recor ents, includi	ed and true ve Required sul npletion in a s ng reclamation	ertical depths of all posequent reports munew interval, a Form n, have been completed for Accepted for Eddy	sertinent m set be filed a 3160-4 m eted and th	narkers and zones, within 30 days nust be filed once to operator has
Oil, Gas, and Wate header then flows t three-phase heater	to a dedicat treater. Th	n from the Glycerin 10 Fe ted two-phase production ne oil production then flow on is not commingled.	separator, fo	llowed I	by a dedic	ated	As	L CONS PTESIA D MAK I S	
The gas flows from it is measured. The	the Glycer e gas flows	in 10 Fed Com #1 well to from the Glycerin 10 Fed	individual all I Com #2 wel	ocation I to indiv	meter 309 vidual allo	9624096 who cation meters	nere er	yanggi Abbu Bu Ay Samb Sang Sang Sang Sang Sang	
14. I hereby certify that th		true and correct. Electronic Submission # For CIMAREX ENE itted to AFMSS for process	RGY COMPA	NY OF C	O. sent to	the Carlsb	ad)	
Name (Printed/Typed)	ARICKA E	ASTERLING		Title	REGULA	ATORY AN	ALYST		
Signature	(Electronic S	Submission)		Date	05/23/20)17			
		THIS SPACE FO	OR FEDERA	AL OR	STATE (OFFICE U	SE		
Approved By	0.2/	hetlock 2		Title	72P1	E7			3/7// Date 7//
Conditions of androdel if an	v are attacked	Annroyal of this nation does	not warrant or	1					

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office (FO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for EC transaction #377056 that would not fit on the form

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

NMNM124512 NMNM124739

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM124512	NMNM119268	GLYCERIN 10 FEDERAL COM 1	30-015-36359-00-S1	Sec 10 T16S R29E NENE 825FNL 330FEL
NMNM124739	NMNM119268	GLYCERIN 10 FEDERAL COM 2	30-015-36409-00-S1	82.941229 N Lat, 104.055163 W Lon Sec 10 T16S R29E SENE 2180FNL 330FEL 32.937505 N Lat, 104.055164 W Lon

32. Additional remarks, continued

309624117 where it is measured. Then commingled gas production flows to the DCP gas sales meter 724947-00.

Agreement Well API Location NMNM124512 Glycerin 10 Fed 1H 3001536359 825' FNL & 330' FEL, Sec. 10, 16S, 29E NMNM124739 Glycerin 10 Fed 2H 3001536409 2180' FNL & 330' FEL, Sec. 10, 16S, 29E



APPLICATION FOR COMMINGLING AT A COMMON CENTRAL TANK BATTERY

Proposal for Glycerin 10 Fed Com

NMOCD Approval: CTB-766

Well Name	Location	API#	Pool	MCFPD	BTU	
Glycerin 10 Fed Com 1	SE,NE	3001536359	97197	88.7	1.226	
Glycerin 10 Fed Com 2	NE,NE	3001536409	97197	36.1	1.226	

Maps/Plats & diagrams:

Federal leases and well locations in Section 10-165-29E.

Topo Map of flowline route

Approved C102 Facility Diagram

The BLM's interest in all wells is common.

Com #NMNM124512 royalty rate is 12.5%

Com #NMNM124739 royalty rate is 12.5%

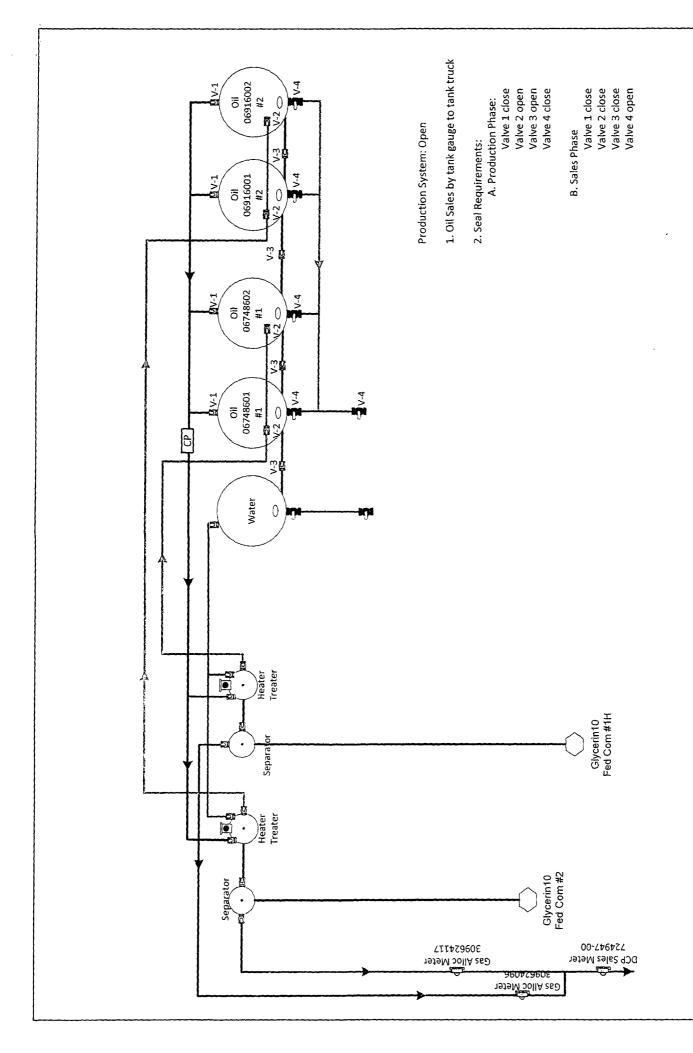
Working, royalty, and overriding interest owners are common for each well.

Oil & Gas Production & Allocation:

All of the production from the Glycerin 10 Federal Com wells comes into a production header then flows to a dedicated two-phase production separator, followed by a dedicated three-phase heater treater. The oil production then flows to individual designated tanks for sales and storage. The oil production is not commingled.

The gas flows from the Glycerin 10 Fed Com #1 well to individual allocation meter 309624096 where it is measured. The gas flows from the Glycerin 10 Fed Com #2 well to individual allocation meter 309624117 where it is measured. Then commingled gas production flows to the DCP gas sales meter 724947-00. Gas production and sales will be allocated back to the well based upon the monthly allocation meter volume from each well and the total sales volume flowing through the DCP Sales meter. The gas 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.

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.



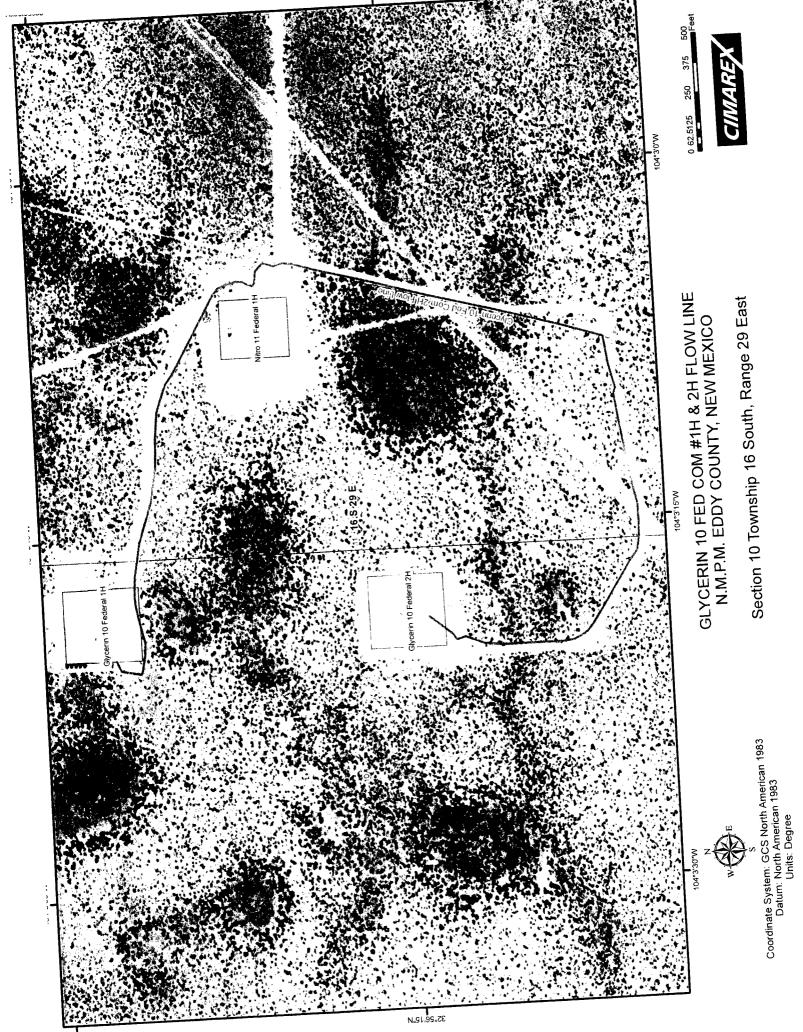


Glycerin 10 Fed Com 825' FNL & 330' FEL, Sec. 10, T16S, R29E Eddy County, NM

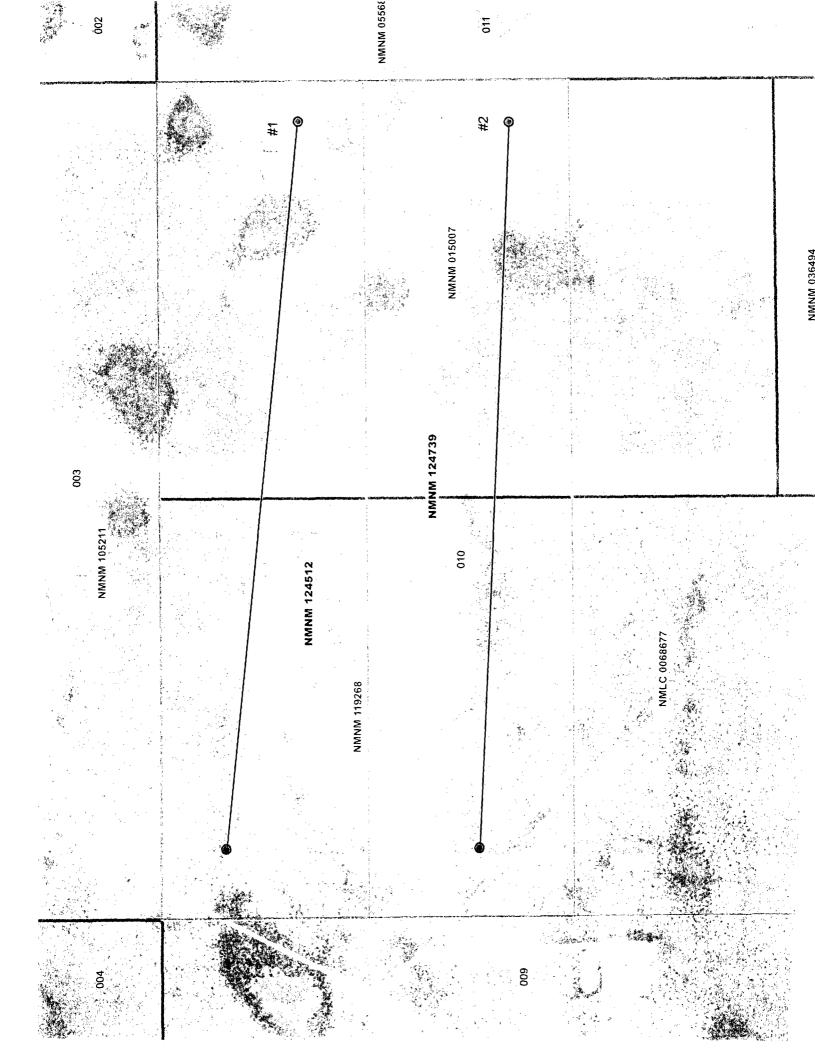
| NMNM036494 | 80 ac. NMNM015007 NMNM119268 NMLC0068677 1680 ac. 920 ac. 440 ac.

10-16S-29E

Glycerin 10 Federal Com







Run Time: 06:06 AM

Page 1 of 2

Run Date:

05/23/2017

(MASS) Serial Register Page

- 01 02-25-1920;041STAT0437;30USC181

Case Type 318310: O&G COMMUNITZATION AGRMT

Commodity 410: **NATURAL GAS** Case Disposition: AUTHORIZED

Total Acres 160.000

Serial Number

NMNM-- - 124512

Serial Number: NMNM-- - 124512

Name & Address **BLM CARLSBAD FO**

620 E GREENE ST

CARLSBAD NM 88220

OFFICE OF RECORD

% Interest 0.000000000

CIMAREX ENERGY CO OF

1700 LINCOLN ST STE 1800

Int Rel

COLORADO

DENVER CO 802034518

OPERATOR

100.000000000

Serial Number: NMNM-- - 124512

Mer Twp Rng Sec 23 0160S 0290E 010

STyp ALIQ

SNr Suff Subdivision N2N2;

District/Field Office CARLSBAD FIELD OFFICE County **EDDY**

Mgmt Agency **BUREAU OF LAND MGMT**

Act Date	Code	Action	Action Remark	Pending Office
08/14/2006	940	NAME CHANGE RECOGNIZED	GRUY/CIMAREX OF COLO	
12/21/2009	868	EFFECTIVE DATE		
03/19/2010	387	CASE ESTABLISHED		
03/19/2010	516	FORMATION	LOWER ABO	
03/19/2010	526	ACRES-FED INT 100%	160.00; 100.0000%	
03/19/2010	654	AGRMT PRODUCING	1H-GLYCERIN 10 FED.	
04/16/2010	334	AGRMT APPROVED		

Line Nr	Remar	ks			Seriai Number: NWNW 124512	
0001	/A/RE	CAPITULA	TION EFFE	CTIVE 3/19/10		
0002	TR#	LEASE SE	RIAL NO	AC COMMITTED	% INTEREST	
0003	1	NMNM 15	007	80.00	50.0000	
0004	2	NMNM 11	9268	80.00	50.0000	
0005		TO	TAL	160.00	100.0000	

Run Time: 06:06 AM

Page 2 of 2

Run Date:

05/23/2017

(MASS) Serial Register Page

01 02-25-1920;041STAT0437;30USC181

Case Type 318310: O&G COMMUNITZATION AGRMT

Commodity 410: **NATURAL GAS** Case Disposition: AUTHORIZED

Total Acres

Serial Number

160.000

NMNM -- - 124739

Serial Number: NMNM-- - 124739

Name & Address

CARLSBAD NM 88220

OFFICE OF RECORD

% Interest

BLM CARLSBAD FO CIMAREX ENERGY CO OF 620 E GREENE ST

0.000000000

COLORADO

1700 LINCOLN ST STE 1800

DENVER CO 802034518

OPERATOR

Int Rel

100.000000000

Serial Number: NMNM-- - 124739

Mer Twp Rng Sec 23 01605 0290E 010

STyp ALIQ

SNr Suff Subdivision S2N2;

District/Field Office CARLSBAD FIELD OFFICE County EDDY

Mgmt Agency **BUREAU OF LAND MGMT**

Act Date	Code	Action	Action Remark	Pending Office
08/14/2006	940	NAME CHANGE RECOGNIZED	GRUY/CIMAREX OF COLO	
04/01/2010	868	EFFECTIVE DATE		
05/03/2010	387	CASE ESTABLISHED		
05/03/2010	516	FORMATION	ABO	
05/03/2010	526	ACRES-FED INT 100%	160.00;100%	
05/03/2010	654	AGRMT PRODUCING	2-GLYCERIN 10 FED COM	
05/13/2010	334	AGRMT APPROVED		
05/28/2010	650	HELD BY PROD - ACTUAL		
08/04/2010	643	PRODUCTION DETERMINATION		
08/04/2010	658	MEMO OF 1ST PROD-ACTUAL		

Line Nr	Remarks Serial Number: NMNM 124739							
0001	/A/	RECAPITULATION E	FFECTIVE 05/03/2010					
0002	TR#	LEASE SERIAL#	AC COMMITTED	%INTEREST				
0003	1	NM-15007	80.000	5 C %				
0004	2	NM-119268	80.000	50%				

Run Time: 02:00 PM

Page 4 of 4

Run Date:

07/27/2015

(MASS) Serial Register Page

01 12-22-1987;101STAT1330;30USC181 ET SE

Case Type 312021: O&G LSE COMP PD -1987

Commodity 459: OIL & GAS Case Disposition: AUTHORIZED

Total Acres 440.000 Serial Number

0 NMNM--- 119268

Serial Number: NMNM-- - 119268

Name & Address			Int Rel	% Interest
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	LESSEE	100.000000000
CHASE RICHARD L	PO BOX 359	ARTESIA NM 882110359	OPERATING RIGHTS	0.000000000
CHASE ROBERT C	PO BOX 297	ARTESIA NM 882111297	OPERATING RIGHTS	0.000000000
FERGUSON CHASE GERENE DIANE	PO BOX 693	ARTESIA NM 882110693	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 119268

Me	er Twp Rng Sec	STyp	SNr Suff Subdivision	District/Field Office	County	Mgmt Agency
23	0160S 0290E 004	ALIQ	E2SW,SWSW,SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23	0160S 0290E 010	ALIQ	NW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Act Date	Code	Action	Action Remark	Pending Office
08/30/2007	387	CASE ESTABLISHED	200710009;	
10/17/2007	143	BONUS BID PAYMENT RECD	\$880.00;	
10/17/2007	191	SALE HELD		
10/17/2007	267	BID RECEIVED	\$880000.00;	
10/29/2007	143	BONUS BID PAYMENT RECD	\$879120.00;	
11/14/2007	237	LEASE ISSUED		
11/14/2007	974	AUTOMATED RECORD VERIF	TB0	
12/01/2007	496	FUND CODE	05;145003	
12/01/2007	530	RLTY RATE - 12 1/2%		
12/01/2007	868	EFFECTIVE DATE		
12/07/2009	932	TRF OPER RGTS FILED	CHASE OIL/CHASE ETA; 1	1
12/21/2009	651	HELD BY PROD - ALLOCATED	/1/	
03/02/2010	933	TRF OPER RGTS APPROVED	EFF 01/01/10;	
03/02/2010	974	AUTOMATED RECORD VERIF		
04/01/2010	246	LEASE COMMITTED TO CA	CA-124739	
04/13/2010	643	PRODUCTION DETERMINATION	/1/	
04/13/2010	660	MEMO OF 1ST PROD-ALLOC	/1/NMNM124512;	

Line Nr	Remarks	Serial Number: NMNM 119268
02	STIPULATIONS ATTACHED TO LEASE:	
03	NM-11-LN SPECIAL CULTURAL RESOURCE	
04	SENM-LN-1 CAVE - KARST OCCURRENCE AREA	
05	SENM-S-18 STREAMS, RIVERS, AND FLOODPLAINS	
06	SENM-S-19 PLAYAS AND ALKALI LAKES	

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02:00 PM

Run Date:

07/27/2015

01 02-25-1920;041STAT0437;30USC181ETSEQ

(MASS) Serial Register Page

Total Acres

Serial Number

Case Type 311211: O&G LSE SIMO PUBLIC LAND Commodity 459: OIL & GAS

920.000

NMNM-- - 015007

Run Time:

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 015007

Name & Address			int Rel	% Interest
CONOCOPHILLIPS CO	PO 80X 7500	BARTLESVILLE OK 740057500	LESSEE	100.000000000
FROSTMAN OIL CORP	PO BOX 1567	HOPE NM 882501567	OPERATING RIGHTS	0.000000000
FROSTMAN OIL CORP	PO BOX W	ARTESIA NM 88211	OPERATING RIGHTS	0.000000000
HARLOW ENTERPRISES	#26 CHALK BLUFF RD	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000
MAGNUM HUNTER PRODUCTION INC	202 S CHEYENNE AVE STE 1000	TULSA OK 741033001	OPERATING RIGHTS	0.000000000
MAGNUM HUNTER PRODUCTION INC.	600 N MARIENFELD ST STE 600	MIDLAND TX 79701 4405	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- - 015007

Mer Twp Rng Sec	STyp	SNr Suff Subdivision	District/Field Office	County	Mgmt Agency
23 0160S 0290E 010	ALIQ	NE,N2SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0160S 0290E 021	ALIQ	SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0160S 0290E 028	ALIQ	E2,E2W2,SWSW;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Act Date	Code	Action	Action Remark	Pending Office
11/21/1971	387	CASE ESTABLISHED	SPAR48;	
11/22/1971	888	DRAWING HELD		
02/02/1972	237	LEASE ISSUED		
03/01/1972	496	FUND CODE	05;145003	
03/01/1972	530	RLTY RATE - 12 1/2%		
03/01/1972	868	EFFECTIVE DATE		
03/27/1972	140	ASGN FILED	M BROWN/CONOCO INC	
04/04/1972	139	ASGN APPROVED	EFF 04/01/72;	
04/04/1979	315	RENTAL RATE DET/ADJ	\$2.00;	
10/24/1979	940	NAME CHANGE RECOGNIZED	CONTL OIL/CONOCO INC	
04/20/1981	650	HELD BY PROD - ACTUAL		
11/24/1981	102	NOTICE SENT-PROD STATUS		
10/25/1983	932	TRF OPER RGTS FILED	(1)	
10/25/1983	932	TRF OPER RGTS FILED	(2)	
10/25/1983	932	TRF OPER RGTS FILED	(3)	
12/01/1983	932	TRF OPER RGTS FILED		
12/05/1983	932	TRF OPER RGTS FILED		
01/27/1984	932	TRF OPER RGTS FILED		
05/25/1984	932	TRF OPER RGTS FILED	(1)	
05/25/1984	932	TRF OPER RGTS FILED	(2)	
05/25/1984	932	TRF OPER RGTS FILED	(3)	
05/25/1984	932	TRF OPER RGTS FILED	(4)	
05/25/1984	932	TRF OPER RGTS FILED	(5)	
10/04/1985	567	ASGN RETURNED UNAPPROVED	(1)	
10/04/1985	567	ASGN RETURNED UNAPPROVED	(2)	
10/04/1985	567	ASGN RETURNED UNAPPROVED	(3)	
10/04/1985	567	ASGN RETURNED UNAPPROVED	(4)	
10/04/1985	567	ASGN RETURNED UNAPPROVED	(5)	

Cimarex Energy Co.

él. III Manenfeld St.

ade 6.0

Mediand, 7x 79701

MARI 432 571 7800



August 27, 2015

OCD

Attn: Michael A. McMillian 1220 South St. Francis Dr. Santa Fe, NM 87505

RE:

Ownership of Developed Lands - Surface Commingling

Glycerin 10 Fed Com 1, Glycerin 10 Fed Com 2

Lea County, New Mexico

To Whom It May Concern:

The above referenced wells have been drilled under Federal Lease NMNM 015007 & NMNM 119268 and each proration unit for the above referenced well have the exact same WI, RI and ORRI owners. If you need any further information, you may contact me directly at 432-571-7896 or mcompton@cimarex.com.

Sincerely,

Cimarex Energy Co.

Mark Compton

Landman

State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary David R. Catanach, Division Director Oil Conservation Division



Brett F. Woods, Ph.D. Deputy Cabinet Secretary

ADMINISTRATIVE CENTRAL TANK BATTERY ORDER

Administrative Order CTB-766 Administrative Application Reference No. pMAM1524753950

September 25, 2015

Cimarex Energy Co. of Colorado

Attention: Ms. Aricka Easterling

Cimarex Energy Co. of Colorado (OGRID 162683) is hereby authorized to surface commingle oil and gas production from County Line Tank; Abo (O) Pool (97197) from the following leases and wells:

Lease:

Federal Com. NMNM 124512

Description: N/2 N/2 of Section 10, Township 16 South, Range 29 East, NMPM

Well:

Glycerin 10 Federal Com. Well No. 1H

Lease:

Federal Com. NMNM 124739

Description:

S/2 N/2 of Section 10, Township 16 South, Range 29 East, NMPM

Well:

Glycerin 10 Federal Com. Well No. 2H

The combined project area for these wells include the N/2 of Section 10, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

The commingled oil and gas production from the wells detailed above shall be measured and sold at the Glycerin 10 Federal Com. Well No. 1H Central Tank Battery (CTB), located in Unit A, Section 10, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

Production from the subject wells shall be determined as follows:

The oil and gas production from each of the diversely-owned leases shall be separately metered using allocation meters.

The allocation meters shall be calibrated quarterly in accordance with Rule 19.15.12.10.C (2).

Subsequently drilled wells that produce from the subject pool within the project areas approved by this order may be added to this commingling authority by submittal of a Sundry Notice to the Engineering Bureau in Santa Fe.

Administrative Order CTB-766 Cimarex Energy Co. of Colorado September 25, 2015 Page 2 of 2

This installation shall be installed and operated in accordance with the applicable Division Rules. It is the responsibility of the producer to notify the transporter of this commingling authority.

This approval is subject to like approval from the Bureau of Land Management before commencing commingling operations.

The operator shall notify the Artesia District office of the Division prior to implementation of the commingling operations.

Done at Santa Fe, New Mexico, on September 25, 2015.

DAVID R. CATANACH

Director

DRC/mam

cc: Oil Conservation Division – Artesia

Bureau of Land Management - Carlsbad

Bureau of Land Management Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Glycerin 10 Federal Com 1H - 3001536359 & Glycerin 10 Federal Com 2H - 30015364090

Cimarex Energy Company March 7, 2018 Condition of Approval

Surface Commingling of Lease/CA gas production & Off lease/CA storage, measurement and sales of gas & Oil production

- 1. This approval is subject to like approval by the New Mexico Oil Conservation Division.
- 2. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 3. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 4. This approval does not constitute right-of-way approval for any off-lease activities. Within 30 days, an application for right-of-way approval must be submitted to the Realty Section if not already done.
- 5. Approval for combining production from various sources is a privilege which is granted to lessees for the purpose of aiding conservation and extending the economic life of leases. Applicants should be cognizant that failure to operate in accordance with the provisions outlined in the Authorized Officer's conditions of approval and/or subsequent stipulations or modifications will subject such approval to revocation.
- 6. Gas measurement for allocation must be measured as per Onshore Order #5 or 43 CFR 3175 and API requirements for sales meters.
- 7. All gas and oil subject to royalty shall be measured as per federal regulations and shall be reported to ONRR as required. All gas which is vented, flared or used on lease shall be reported as per 43 CFR 3179 to ONRR. All gas which is vented or flared shall be subject to royalty, unless prior approval was given by the authorized officer. These volumes are royalty bearing and shall be reported on OGOR "B" as disposition code "33".
- 8. This agency shall be notified of any change in sales method or location of sales point.
- 9. Additional wells and/or leases/CAs require additional commingling approvals.
- 10. Notify this office 24 Hrs. prior to any meter proving to allow time for an inspector to witness.

Glycerin 10 Federal Com 1H - CA - NMNM124512 Glycerin 10 Federal Com 2H - CA - NMNM124739

CA – NMNM124512, Leases NMNM15007 – 50% and NMNM119268 – 50% CA – NMNM124739, Leases NMNM15007 – 50% and NMNM119268 – 50%