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Form 3160-5

	EPARTMENT OF THE INT			OMB N	IO. 1004-0137 Ianuary 31, 2018
	UREAU OF LAND MANAGE NOTICES AND REPORT		Ī	5. Lease Serial No. NMNM03677	
Do not use th abandoned we	is form for proposals to dr ll. Use form 3160-3 (APD)	ill or to re-enter an for such proposals.	<u> </u>	6. If Indian, Allottee	or Tribe Name
SUBMIT IN	7. If Unit or CA/Agro	eement, Name and/or No.			
i. Type of Well				8. Well Name and No	
☑ Oil Well ☐ Gas Well ☐ Ot ② Name of Operator		RIAN FANCHER		MultipleSee Atta	ached
MATADOR PRODUCTION C	OMPANYE-Mail: bfancher@ma	tadorresources.com		MultipleSee A	attached
3a. Address ONE LINCOLN CENTER 540 DALLAS, TX 75240	0 LBJ FREEWAY SUITE 159	b. Phone No. (include area e 00 972-371-5200 x: 972-371-5201	ode)	 Field and Pool or MultipleSee A 	
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description)			11. County or Parish,	State
MultipleSee Attached				EDDY COUNT	Y, NM
12. CHECK THE A	PPROPRIATE BOX(ES) TO) INDICATE NATURE	E OF NOTICE, R	REPORT, OR OTI	HER DATA
TYPE OF SUBMISSION		TYPE	OF ACTION		
Notice of Intent ■ Notice of Intent Notice of Inten	☐ Acidize	□ Deepen	☐ Productio	n (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturi	ng 🗖 Reclamat	ion	■ Well Integrity
	Casing Repair	□ New Construction			Other Surface Commingling
☐ Final Abandonment Notice	☐ Change Plans ☐ Convert to Injection	☐ Plug and Abandon☐ Plug Back	☐ Temporar	•	ourlace Comminging
following completion of the involved testing has been completed. Final A determined that the site is ready for Matador Production Co (MataStebbins 20 Fed. Com. No. 2	bandonment Notices must be filed of inal inspection. idor) requests approval to su 04H (API 30-015-44177,) at	only after all requirements, in	cluding reclamation,		and the operator has
pad (Slot 4 Tank Battery), wit	n the following wells:			Jard - NAMO	
Stebbins 20 Fed. Com 124H; Stebbins 20 Fed. Com 134H; Stebbins 19 Fed. Com 124H;	20-20S-29E: SWSW: API 30)-015-44175 /	Accepted fo	in the same	RECEIVED
In addition, Matador requests with the following wells at a co	to surface commingle gas pi entral tank battery located on	roduction from the four a their well pad (Slot 3 T	above named we ank Battery):	lls J l	JL 1 3 2018
Stebbins 20 Fed. Com 133H;	20-20S-29E; NWSW; API 30	0-015-43201		DISTRICT	TII-ARTESIA O.C.D.
14. I hereby certify that the foregoing i	s true and correct. Electronic Submission #421 For MATADOR PROE nmitted to AFMSS for process	067 verified by the BLM DUCTION COMPANY, seing by PRISCILLA PERF	Well Information S	System	
Namc (Printed/Typed) BRIAN FA		i	SULATORY ANA		
Signature (Electronic	Submission)	Date 05/2	2/2018		
	THIS SPACE FOR	FEDERAL OR STAT	TE OFFICE US	E .	
Approved By J.D. W	hitlank 2	Title 7	PET		Date 9/18
Conditions of a proval, if any, are attached the conditions of a policent holds logal or equivalent to describe the applicant to conditions to conditions are the applicant to conditions to conditions are the applicant to c	uitable title to those rights in the sul	warrant or bject lease 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 #421067 that would not fit on the form

Wells/Facilities, continued

Agreement	Lease NMNM03677	Well/Fac Name, Number STESSINS 20 FED 200H	API Number (30-019-44)77-00-51	Location Sec 20 T20S R29E SWSW 391FSL 260FWL
NMNM03677	NMNM03677	GIERRING 1915ED 124P	30-015-44172-00-XD	32.552876 N Lat, 104.105362 W Lon Sec 19 T20S R29E SESE 180FSL 110FEL 32:552095 N Lat, 104.105633 W Lon
NMNM03677	NMNM03677	STERBINS 20 FED 124H	30-015-44185-00-8	Sec 20 T20S R29E SWSW 361FSL 130FWL 32.552708 N Lat. 104.105362 W Lon
NMNM03677	NMNM03677	STEBBINS 20 FED 134H	(30-015-44175-00-81)	Sec 20 T20S R29E SWSW 391FSL 130FWL 32.552792 N Lat. 104.105362 W Lon
NMNM03677	NMNM03677	STEEBINS 20 FED 433A	(80-015-44163-00-S)	Sec 20 T20S R29E NWSW 1723FSL 130FWL 32.556454 N Lat. 104.105362 W Lon
NMNM03677	NMNM03677	STEBBINS 20 FEDERAL 123H	30-016-43201-00-31)	Sec 20 T20S R29E NWSW 1693FSL 130FWL 32.557783 N Lat, 104.105116 W Lon

10. Field and Pool, continued

WC015G04S202920D-BONE SPRING WILDCAT

32. Additional remarks, continued

Stebbins 20 Fed. Com 134H; 20-20S-29E; NWSW; API 30-015-44183

All of the wells listed above are located within the same federal lease, NMNM 003677. The royalty rate is 12.5%.

Also see attached information, maps, and facility diagram.

Matador Production Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240 Voice 972.371.5427 • Fax 972.371.5201 <u>bpeterson@matadorresources.com</u>

Benjamin D. Peterson Senior Production Engineer

May 21, 2018

Application for Surface Commingling Oil and Gas at a Common Central Tank Battery Proposal for Stebbins 20 Fed Nos. 204H, 124H, 134H and Stebbins 19 Fed No. 124H.

Application for Surface Commingling Gas at a Common Central Tank Battery Proposal for Stebbins 20 Fed Nos. 204H, 124H, 134H, 123H, 133H and Stebbins 19 Fed No. 124H

The following tables provide specific values of the Subject Wells' anticipated production attributes:

NMNM-003677	Royalty Rate 12.5%	WC-015 G	-04 S202920.	D; Bone Sprin	ig (98015)
BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
400	44.5	\$59.96	1,200	1,314	\$2.89
125	44.5	\$59.96	500	1,314	\$2.89
400	44.5	\$59.96	900	1,314	\$2.89
300	44.5	\$59.96	1,000	1,314	\$2.89
550	44.5	\$59.96	700	1,314	\$2.89
NMNM-003677	Royalty Rate 12.5%		_		
BOPD	Oil Gravity @60 deg	Value/DDI	MCFPD	Dry B t U	Value/mcf
(00+	45.04	040.04	1.050+	1 200+	#2.0 <i>4</i>
600*	45.0 *	\$59.96	1,250*	1,300*	\$2.86
	400 125 400 300 550	BOPD Oil Gravity @60 deg 400 44.5 125 44.5 400 44.5 300 44.5 550 44.5 NMNM-003677 Royalty Rate 12.5% BOPD Oil Gravity @60 deg	BOPD Oil Gravity @60 deg Value/bbl 400 44.5 \$59.96 125 44.5 \$59.96 400 44.5 \$59.96 300 44.5 \$59.96 550 44.5 \$59.96 NMNM-003677 Royalty Rate 12.5% Burton Fla Value/bbl Oil Gravity @60 deg Value/bbl	BOPD Oil Gravity @60 deg Value/bbl MCFPD 400 44.5 \$59.96 1,200 125 44.5 \$59.96 500 400 44.5 \$59.96 900 300 44.5 \$59.96 1,000 550 44.5 \$59.96 700 NMNM-003677 BOPD Royalty Rate 12.5% Oil Gravity @60 deg Burton Flat; Wolfcamp Value/bbl MCFPD	BOPD Oil Gravity @60 deg Value/bbl MCFPD Dry BTU 400 44.5 \$59.96 1,200 1,314 125 44.5 \$59.96 500 1,314 400 44.5 \$59.96 900 1,314 300 44.5 \$59.96 1,000 1,314 550 44.5 \$59.96 700 1,314 NMNM-003677 BOPD Royalty Rate 12.5% Oil Gravity @60 deg Burton Flat; Wolfcamp, East (73480 Value/bbl MCFPD Dry BTU

^{*}Denotes anticipated IP values.

Economic combined production Federal Lease NMNM-003677 Royalty Rate 12.5%

Facility Name	BOPD	Oil Gravity @60 deg	Value/bbl	MCFPD	Dry BTU	Value/mcf
Stebbins 20 Fed Slot 3 Tank Battery	525	44.5	\$59.96	1,700	1,314	\$2.89
Stebbins 20 Fed Slot 4 Tank Battery	1,850	44.7	\$59.96	3,850	1,309	\$2.88

The Stebbins 20 204H will be located in its individual 320-acre unit composed entirely of acreage from NMNM-003677. The remaining wells will be located in one of three 160-acre units that are composed entirely of acreage from NMNM-003677 ("See Attachment "A").

The BLM's interest in the subject wells is the same. All of these wells are located entirely within one federal lease, NMNM-003677. The royalty rate is 12.5% (See Attachment "B").

Oil and Gas Measurement

There are two central tank batteries involved in this application (See Attachment "C"). The Stebbins 20 Fed Slot 3 Tank Battery is dedicated to the Stebbins 20 Fed 123H and 133H ("Slot 3 Tank Battery"). The Stebbins 20 Fed Slot 4 Tank Battery is dedicated to the Stebbins 19 Fed 124H and Stebbins 20 Fed 124H, 134H, and 204H ("Slot 4 Tank Battery"). These central tank batteries are located in the NWSW and SWSW of Section 20-20S-29E on Federal Lease NMNM-003677, respectively. As previously described, each well will flow to its dedicated central tank battery through its own flowline, and each well will have its own test separator. Each tank battery will have its own heater-treater.

The purpose of this application is two-fold: (1) to commingle oil and gas production from one well completed in the Wolfcamp Formation (Stebbins 20 Fed 204H) with oil and gas from three wells completed in the Bone Spring Formation (Stebbins 19 Fed 124H and Stebbins 20 Fed 124H and 134H) at the Slot 4 Tank Battery; and (2) commingle gas production from each of the wells encompassed in this application (*i.e.*, Slot 3 and Slot 4 Tank Batteries). This application does not request to commingle oil from the Slot 3 Tank Battery. Again, all the subject wells are located entirely within one federal lease, NMNM-003677.

Oil Measurement

Beginning at each well's individual test separator, all oil production from that well will flow through its respective oil turbine meter. Subsequently, oil from each well will be routed by a common flow line to a single heater-treater. From there, the wells' oil production will be sent to its production facility's shared oil tanks (i.e., Oil FMP Nos. 1 and 2). Accordingly, the Wells' shared oil production tanks will be deemed the Point of Royalty Measurement, as defined in 43 C.F.R. §3170.3.

Each well will be paid royalty based on the amount of its respective oil production, as measured by each well's respective allocation meter. Matador's contractual agreement with the wells' oil purchaser provides that all oil production will be purchased on a fixed basis as sweet crude at 40 API gravity. Therefore, the royalty value from these wells will not be adversely affected.

Gas Measurement

All gas production will flow through each well's individual test separator. Subsequently, gas will be measured by an individual orifice meter for each well before it enters each production facility's common gas line. From there, the wells' gas production will be routed to a sales checkmeter (Gas FMP Nos. 2 and 3) that is "in-line" with a common gas sales meter (Gas FMP No. 1). Matador will provide the serial number of that gas sales meter once it is obtained.

The production facilities will also include orifice meters to measure "flash" gas that originates from the heater-treaters and vapor recovery units to properly allocate the wells' flash

volumes, according to each wells' respective oil production volumes. The sales gas meter volumes will be proportionately allocated to each well by accounting for the allocated flash gas combined with each Well's respective orifice meter measurements. There is no potential for adverse royalty impact because gas volumes are allocated on a volume basis (mcf) and energy is allocated on an energy basis (mmbtu).

The Wells' gas samples will be obtained at each meter's testing/calibration, and the composition and heating value will be determined by a third-party laboratory in accordance with American Petroleum Institute (API) specifications to ensure accurate volume and Energy (MMBTU) determinations. All primary and secondary Electronic Flow Measurement (EFM) equipment will be tested and calibrated by a reputable third-party measurement company in accordance with API, NMOCD, and BLM specifications.

Process and Flow Descriptions

The flow of production is shown in detail on the enclosed facility diagram (Attachment "C"), which also identifies the facilities' layout and interrelationship. The enclosed maps (Attachment "A") show the proposed communitization agreement boundaries, well locations, and facility locations.

The commingling of production from the subject wells is the most effective economical means of producing their reserves and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses, as well as reduce the surface facility footprint and overall emissions.

Matador Production Company understands that the requested approval will not constitute the granting of any right-of-way or construction rights not granted by the lease instrument.

Working, royalty, and overriding interest owners have been notified of this proposal via certified mail.

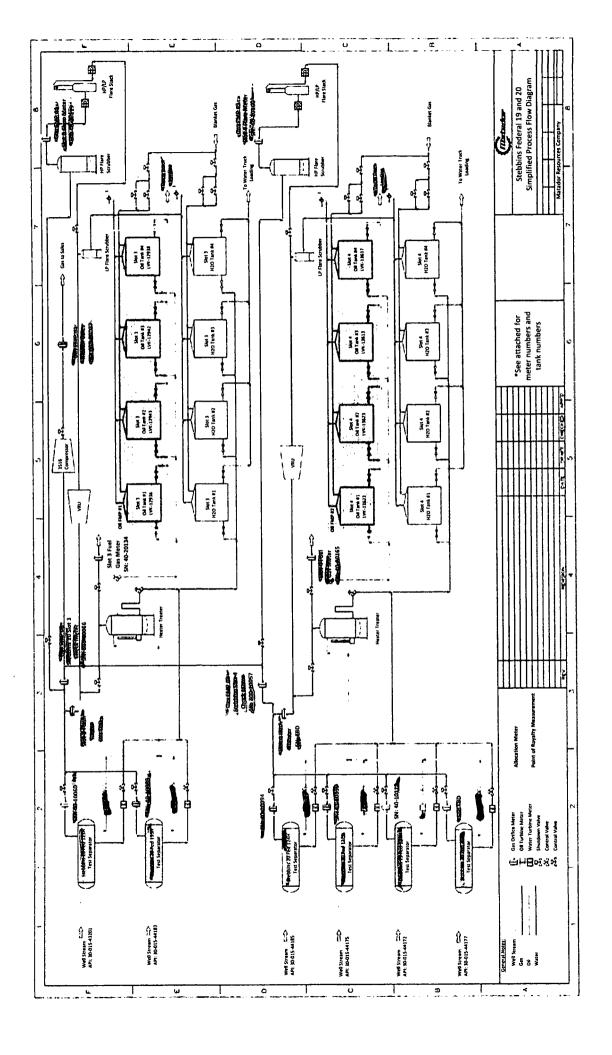
Meter numbers not listed on the enclosed facility diagram (Attachment "D") will be submitted upon installation. These numbers may be submitted on an updated facility diagram.

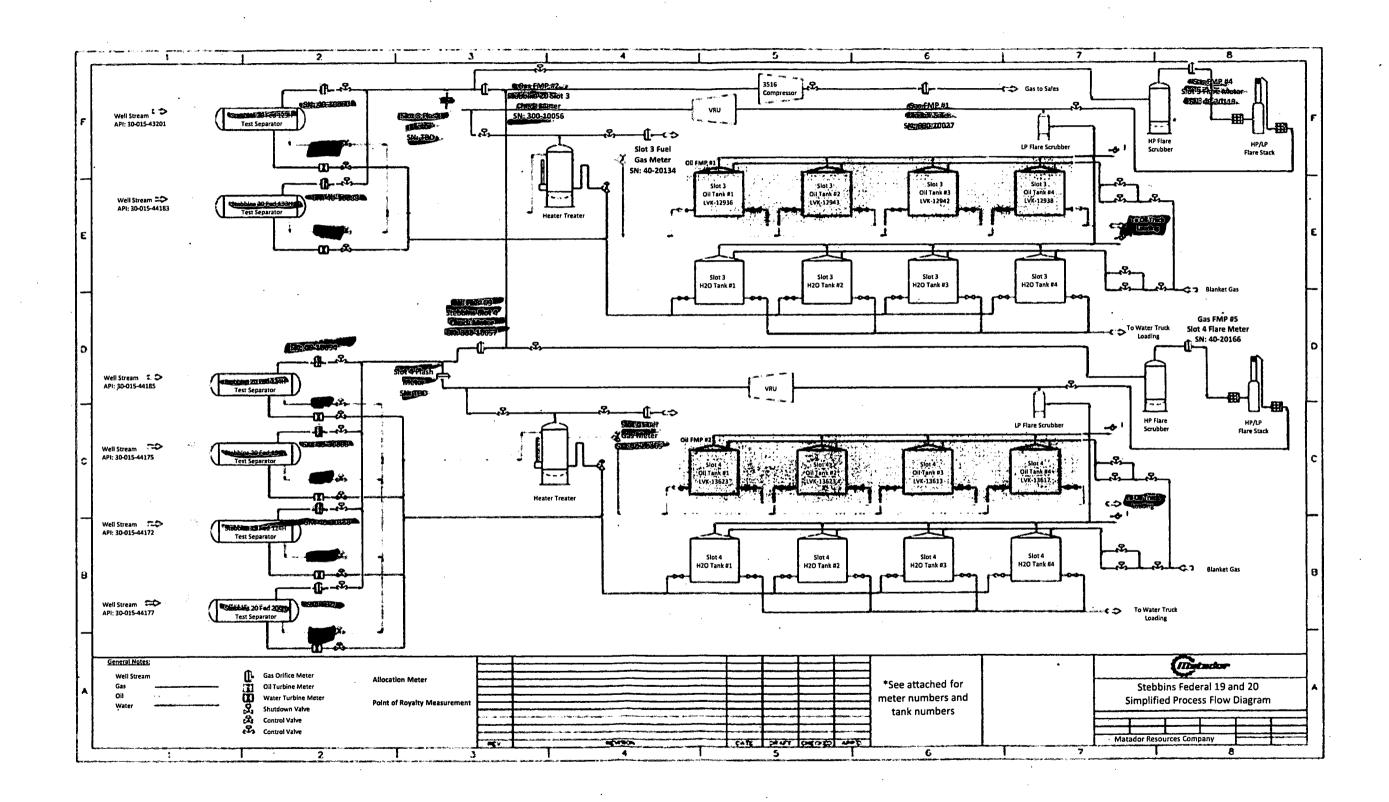
Thank you for your time and consideration in reviewing this application. Please let me know if you have any additional questions or concerns.

Very truly yours,

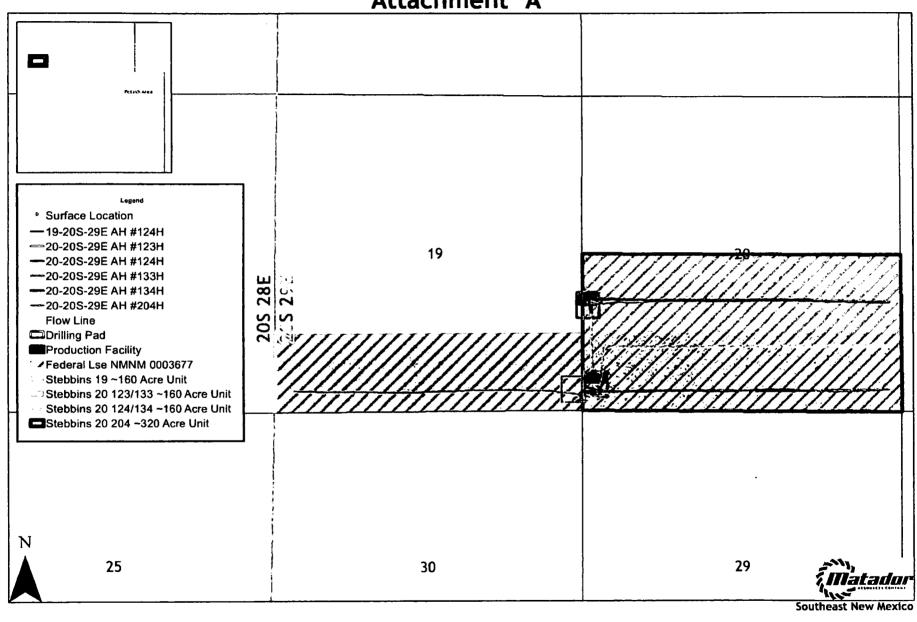
Benjamin D. Peterson, P.E. Sr. Production Engineer

BDP/bkf Enclosures



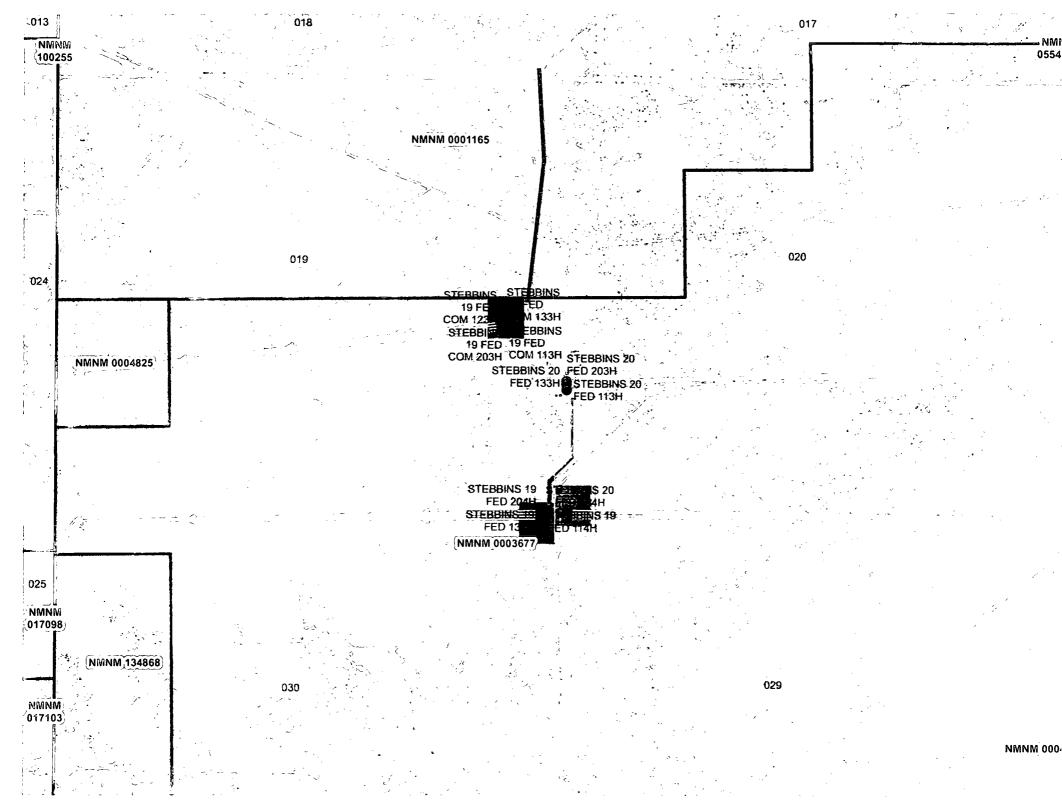


Attachment "A"



0 750 1,500 3,000

Date: May 14, 2018 Filename: ComminglingLandFlat, Stebbins Projection: NAD27 State Plane New Mexico East FIPS 3001 Sources: IHS; ESRI;



FED COM 203H .19 FED

STEBBIAS GOM 133H

19 FED STEBBINS

COM 123H 19 FED

COM 113H

STEBBINS 20 FED 203H STEBBINS 20 FED 133H

STEBBINS 20 FED 113H

NMNM 0003677

020

019

STEBBINS 19 STEBBINS 20

STEBBINS 19 204H STEBBINS 20 FED 204H

FED 134H FED 134H STEBBINS 20

NMNM 0003677 FED 124H

STEBBINS 19 STEBBINS 20

STEBBINS 19 FED 114H

STEBBINS 19 FED 114H

Matador Production Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240 Voice 972.371.5427 • Fax 972.371.5201 bpeterson@matadorresources.com

Benjamin D. Peterson Senior Production Engineer

May 21, 2018

Bureau of Land Management – Carlsbad Field Office Mr. Duncan Whitlock 620 E. Greene Street Carlsbad, NM 88220-6292

Re: Application of Matador Production Company for Authority to Commingle Oil and Gas at the Surface from the Stebbins 20 204H with the Stebbins 19 124H and the Stebbins 20 123H, 124H, 133H, and 134H; Burton Flat Wolfcamp; East (Gas) Pool; Russell; Bone Spring Pool; and WC-015 G-04 S202920D; Bone Spring Pool; Eddy County, New Mexico

Dear Mr. Whitlock,

This cover letter serves to provide you with an overview of Matador Production Company's ("Matador") subject application, which includes a request to surface commingle oil and gas. With this cover letter, please find the following supporting documents enclosed:

- 1. A memorandum of economic justification in support of Matador's request for authority to surface commingle;
- 2. Attachment A Aerial Map with unit boundaries, well locations, flowline locations, and facility locations;
- 3. Attachment B Copy of the serial register page for NMNM 003677;
- 4. Attachment C Site facility diagram with process flow description for the above-captioned wells.

There are two production facilities associated with this application, and they are located in the NWSW and SWSW of Section 20-20S-29E on Federal Lease NMNM-003677. It is the only federal lease applicable to this application. Therefore, Matador does not seek authority to store, measure, and sell the Subject Wells' oil and gas at an off-lease measurement facility because their production facility is situated "on-lease".

Thank you for your time and consideration of this application. Please let me know if you have any additional questions or concerns.

Very truly yours,

Benjamin D. Peterson, P.E. Sr. Production Engineer

BDP/bkf Enclosures

BUREAU OF LAND MANAGEMENT CASE RECORDATION (LIVE) SERIAL REGISTER PAGE

Run Date/Time: 07/09/18 11:12 AM

Page 1 of 4

01 02-25-1920;041STAT0437;30USC226

Case Type 311111:

Case Disposition:

311111: O&G LSE NONCOMP PUB LAND

Total Acres 2,150.970

Serial Number

%Interest

Commodity

Name & Address

459:

OIL & GAS AUTHORIZED

OIL & GAS

Case File Juris:

Serial Number: NMNM-- 0 003677

Int Rel

COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	LESSEE	47.500000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTER	MIDLAND TX 797014882	LESSEE	2.500000000
EOG RESOURCES ASSETS LLC	5509 CHAMPIONS DR	MIDLAND TX 797062843	OPERATING RIGHTS	0.000000000
JALAPENO CORP	PO BOX 1608	ALBUQUERQUE NM 87103	OPERATING RIGHTS	0.000000000
MEWBOURNE CURTIS W	PO BOX 7698	TYLER TX 757117698	OPERATING RIGHTS	0.000000000
MRC DELAWARE RESOURCES LLC	5400 LYNDON B JOHNSON FWY, STE 15	00 DALLAS TX 752401000	OPERATING RIGHTS	0.000000000
SHARBRO ENERGY LLC	PO BOX 840	ARTESIA NM 882110840	OPERATING RIGHTS	0.000000000
SHARBRO ENERGY LLC	PO BOX 840	ARTESIA NM 882110840	LESSEE	37.500000000
SHARBRO OIL LTD CO	PO BOX 840	ARTESIA NM 88210	OPERATING RIGHTS	0.000000000
YATES ENERGY CORP	PO BOX 2323	ROSWELL NM 882022323	OPERATING RIGHTS	0.000000000
YATES INDUSTRIES LLC	PO BOX 1091	ARTESIA NM 882111091	LESSEE	12.500000000
		Serial Number:	NMNM 0 00367	7
Mer Twp Rng Sec SType	Nr Suff Subdivision	District/Resource Area	County M	gmt Agency
23 0200S 0290E 019 ALIQ	SE,E2SW;	CARLSBAD FIELD OFFICE	EDDY BU	REAU OF LAND MGMT
23 0200S 0290E 019 LOTS	4;	CARLSBAD FIELD OFFICE	EDDY BU	REAU OF LAND MGMT
23 0200S 0290E 020 ALIQ	S2,NE,SENW;	CARLSBAD FIELD OFFICE	EDDY BU	REAU OF LAND MGMT

Serial Number: NMNM 0003677

Relinquished/Withdrawn Lands

029

030

030

23 0200S 0290E 730

23 0200S 0290E 021

23 0200S 0290E

23 0200S 0290E

23 0200S 0290E

FF

ALIQ

ALIQ

ALIQ

LOTS

L 1,2 ASGN;

W2,W2E2:

E2W2,NE;

N2,SE:

3,4;

CARLSBAD FIELD OFFICE

EDDY

EDDY

EDDY

EDDY

EDDY

BUREAU OF LAND MGMT

Serial	Number:	NAME	0	003677	
		1			

Act Date	Code	Action	Action Remarks	Pending Office
10/02/1950	124	APLN RECD		
11/01/1950	237	LEASE ISSUED		
11/01/1950	496	FUND CODE	05;145003	
11/01/1950	530	RLTY RATE - 12 1/2%		
11/01/1950	868	EFFECTIVE DATE		
02/05/1957	235	EXTENDED	THRU 10/31/60;	
10/05/1960	235	EXTENDED	THRU 09/30/62;	
10/05/1960	570	CASE SEGREGATED BY ASGN	INTO NMNM03677-A;	
11/16/1962	235	EXTENDED	THRU 09/30/64;	
12/11/1964	235	EXTENDED	THRU 09/30/66;	
09/15/1966	500	GEOGRAPHIC NAME	SCANLON FLD;	
09/15/1966	510	KMA CLASSIFIED		
09/15/1966	650	HELD BY PROD - ACTUAL	•	
09/15/1966	658	MEMO OF 1ST PROD-ACTUAL	•	
11/09/1966	102	NOTICE SENT-PROD STATUS		
01/24/1975	500	GEOGRAPHIC NAME	RUSSELL FLD;	
01/24/1975	512	KMA EXPANDED	ų	
11/19/1975	512	KMA EXPANDED		
01/24/1977	512	KMA EXPANDED		

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM Bureau of Land Management Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

Stebbins 20 Federal wells (see list below)

Matador Production Company July 9, 2018 Condition of Approval Pool Lease Commingling of Bone Springs and Wolfcamp 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, or as approved in this approval to commingle production.
- 7. Oil measurement for allocation must be measured as per Onshore Order #4 or 43 CFR 3174 and API requirements for oil measurement, or as approved in this approval to commingle production.
- 8. 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" for royalty-bearing flared gas and disposition code 63 for royalty-bearing vented gas.

DC 33 = Flared gas - royalty due DC 63 = Vented gas - royalty due

- 9. This agency shall be notified of any change in sales method or location of sales point.
- 10. Additional wells and/or leases/CAs require additional commingling approvals.
- 11. Notify this office 24 Hrs. prior to any meter proving to allow time for an inspector to witness.
- 12. This approval does not authorize any by passes around any allocation meter or metering separator, this is to include the use of headers to divert production other production equipment other than the approve measurement points.
- 13. Submit meter numbers upon installation of meters and provide updated facility diagram with meters numbers. If oil is sold by LACT, submit LACT meter number.

•	 Stebbins 20 Federal 123H 	3001543201, Bone Springs	Lease NMNM03677
	Stebbins 20 Federal 204H	3001544177, Wolfcamp	Lease NMNM03677
	Stebbins 20 Federal 134H	3001544175, Bone Springs	Lease NMNM03677
	Stebbins 20 Federal 133H	3001544183, Bone Springs	Lease NMNM03677
	Stebbins 20 Federal 124H	3001544185, Bone Springs	Lease NMNM03677
	Stebbins 19 Federal 124H	3001544172, Bone Springs	Lease NMNM03677

Lease NMNM03677 Royalty Rate 12.5%