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OF APPLICATION INDICATED ABOVE.

CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] 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.

_		Agent
 Witholked Denate		
 Signature	Title	

Print or Type Name

Michelle Doescher

"gnature

shelly\_doescher@yahoo.com

Date

03/02/2015

e-mail Address



March 04, 2015

Mr. Michael McMillan New Mexico Oil Conservation Division Engineering Bureau 1220 S. St. Francis Drive Santa Fe, New Mexico 87505

Re: Form C-107A: Application for Downhole Commingling (REVISED) Breitburn Operating LP Encore M State No. 008 API No. (30-025-40721) 2,340 FSL & 1,650 FEL Section 19, T-22 South, R-37 East, NMPM Lea County, New Mexico

Dear Mr. McMillan:

Attached is a C-107A application for amending DHC-4705 downhole commingling the captioned well to include the Tubb Oil & Gas (Oil) 60240 Pool. This request supersedes all prior DHC requests made pursuant this well. This is the first DHC of the Tubb Pool in this lease however, prior approved DHC in the area are included in the basis of the proposed allocation. The well in question is currently shut-in pending approval of this application therefore expedited consideration is respectfully requested.

On September 29, 2014, Quantum Resources Management, LLC, subsequently acquired by Breitburn Operating, LP, obtained approval to downhole commingle the Blinebry, Drinkard and Wantz-Abo Pools within the well. Pursuant to the DHC-4705, 33.3% of the oil and gas was to be allocated to each of the pools as is typical in this area. Prior production was allocated 50% each to the Drinkard and Wantz-Abo Pools. In the process of completing the Blinebry, Quantum perforated into the Tubb Oil & Gas Pool. Breitburn learned of this when filing a C-105 for completion of the Blinebry Pool. Consequently, Breitburn seeks approval to downhole commingle all four pools within the well.

In 2014 the well produced 10 to 15 BOPD from the Drinkard and Wantz-Abo and the allocation factor was 50% in each pool. In November, 2014, the well was recompleted in the Blinebry and Tubb intervals and initially produced at 40 BOPD. Daily well volume declined rapidly over the next several days as is typically the case. It was determined to commingle the well when the rates dropped below 20 BOPD and it is believed that the rate from the Blinebry/Tubb will continue to decline after commingling until such time as all

Breitburn Operating LP, 600 Travis Street, Suite 4800, Houston, Texas 77002 (713) 437-8000

Bretiburn, LP Application for Downhole Commingling Encore M State No. 008 Page 2

zones equalize. Therefore, a reasonable approximation of the allocation is an even split of 25% per zone as indicated on the revised C-107A.

Commingling the Encore M State No. 008 is necessary to improve the efficiency of this well and recover more of the hydrocarbon reserves encountered in the wellbore. While multiple intervals are believed to have hydrocarbon potential, the productivity of individual zones varies across the field and it is not economically feasible to produce zones individually. In the absence of such data, it is believed this is a reasonable approach in this well based on sound engineering principles and experience.

<u>Please note that the working, royalty and overriding royalty interest ownership in this well</u> is common throughout. Consequently, notice of this application is not required to any interest owner.

Approval of this application will afford Breitburn the opportunity to recover additional oil and gas reserves from the Blinebry Oil & Gas, Tubb Oil & Gas (Oil), Drinkard and Wantz; Abo Pools within the Encore M State No. 008 that may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights.

Thank you for your assistance in preparation and consideration of this request. If there should be any questions, please call me at 713-452-2882 or Jeannie McMillan, Regulatory Manager at 713-634-4696.

Sincerely,

Dalian Daype

Dalian Payne Reservoir Engineer Advisor Breitburn Operating, LP 600 Travis Street, Suite 4800 Houston, Texas 77002

Breitburn Operating LP, 600 Travis Street, Suite 4800, Houston, Texas 77002 (713) 437-8000

District I 1623 N. Pranch Drive, Hobbs, NM \$8240		of New Mexico nd Natural Resources Department		Form C-107A Revised August 1, 2011			
District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Braza Road, Azlec, NM 87410	1220 S	Oil Conservation Division outh St. Francis Dr. Fe, New Mexico 87505	<u>X</u> S	ICATION TYPE ingle Well h Pre-Approved F			
District IV 1220 S. St. Prancis Dr., Santa Fo, NM 87303		DOWNHOLE COMMINGLING		TING WELLBO			
Breithurn Operating LP	600 Travis	Street, Suite 4800 Houston, Texas 7700	12				
Operator Encore M State	008	Address Unit J, Section 19, T-22 South, R-37 I	Cast		LEA		

Well No. Unit Letter-Section-Township-Range County

OGRID No. 370080 Property Code\_314022 API No. 30-025-40721 Lease Type: \_\_\_\_Federal \_\_\_X\_State \_\_\_\_Fee

Lease

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE 1	INTERMEDIATE ZONE 2	LOWER ZONE
Pool Name			) Defective at	Wantz-Abo
	Bilnebry Oil & Gas (Oil)	Tubb Oil & Ges (Qil)	Drizkard	Walld-A00
Pool Code	06660	60240	19190	62700
Top and Bottom of Pay Section				
(Perforated or Open-Hole Interval)	5674*-6079*	6079'-6192'	· 6462' - 6684'	6746' - 6832'
Method of Production			,	
(Flowing or Artificial Lift)	Artificial Lift	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	Not Required	Not Required	Not Required	Not Required
the upper zone)				<u> </u>
Oil Gravity or Gas BTU	38 Deg. APi	38 Deg. API "	38 Deg. API	38 Deg. API
(Degree API or Gas BTU)	1342 BTU	1342 BTU	1342 BTU	1342 BTU
Producing, Shut-In or				
New Zone	Shut-In	Shut- In	Shut-In	Shat-In
Date and Oil/Gas/Water Rates of Last Production.	Estimated: 5 BOPD	Estimated: 5 BOPD	Estimated: 5 BOPD	Estimated: 5 BOPD
(Note: For new zones with no production history, applicant shall be	16 MCFGD	16 MCFGD	16 MCFGD	16 MCFGD
required to attach production estimates and supporting data.)	10 BWPD	10 BWPD	10 BWPD	10 BWPD
Fixed Allocation Percentage	Oil Gas Water	Oll Gas Water	Oil Gas Water	Oil Gas Water
(Note: If allocation is based upon something other than current or	25% 25% 25%	25% 25% 25%	25% 25% 25%	25% 25% 25%
past production, supporting data or explanation will be required.)		]		<u> </u>

## ADDITIONAL DATA

Are all worldng, royalty and overriding royalty interests identical in all commingled znees? If not, have all worldng, royalty and overriding royalty interest owners been notified by certified mail?	Yes No Yes No
Are all produced finids from all comminging zones compatible with each other?	YesNo
Will comminging decrease the value of production?	YesNo_ <u>x</u>
if this well is on, or communified with, state or federal lands, has either the Commissioner of Public Lands or the United States Bareau of Land Menagement been notified in writing of this application?	Ye <u>s 1</u> No
NMOCD Reference Case No. applicable to this well:	
Attachments: C-102 for each zons to be coolimingled showing its specing unit and screnge dedication. Production curve for each zone for at least our year. (If not available, attack explanation.) For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formata. Netification list of working, toyalty and overriding royalty interests for uncommon interest cases. Any additional statements, data ar documents required to support comminging.	

### PRE-APPROVED POOLS

### ed Peels, the following addition at information will be recalled

List of other orders approving downhole townsingling within the List of all operators within the proposed Pro-Approved Pools Proof that all operators within the proposed Pro-Approved Pool Battenhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE <u>Malen Harpe</u> TYPE OR PRINT NAME: Michelle Doescher Ð ٠L E-MAIL ADDRESS: shelly\_doescher @yahoo.com

TITLE: Agent DATE: March 04, 2015 TELEPHONE NO: (505) 320-5682



February 26, 2015

New Mexico Oll Conservation Division Attn: Mr. Michael McMillan 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

Re: DHC: Encore M State No. 8 well Ownership

Dear Mr. McMillan:

This letter is to clarify ownership in the referenced well and should be included in the down hole commingle application for the above well.

The ownership is identical for all of the pools (zones) to be commingled: (Bl(nebry Oil & Gas (oil) (#6660); Drinkard (#19190); Wantz; Abo (#62700) and Tubb Oil and Gas Pool (#60240).

Thank you for your assistance in this matter.

Sincerely, Paul Aguirre

Landman Breitburn Operating LP 600 Travis St., Suite 4800 Houston, 7X 77002

Breitburn Operating LP, 600 Travis St., Suite 4800, Houston, TX 77002 (713) 437-8000

DISTRICT | 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II 811 S. First St., Artesia, NM 88210 Plione: (575) 743-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazo 1000 Rio Brazos Road, Artec, 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 AND ACREAGE DEDICATION PLAT API Number <sup>2</sup>Pool Code <sup>3</sup>Pool Name Blinebry Oil & Gas (Oil) 30-025-40721 6660 <sup>4</sup>Property Code Well Number <sup>5</sup>Property Name Encore M State 314022 8 OGRED No \*Operator Name \* Elevation 370080 Breitburn Operating LP 3408 <sup>10</sup>Surface Location UL or lot no. Section Township Lot Idn Fost from the North/South line East/West line County Range Peet from the l 19 22 S 37 E 2340 South 1650' East Lea <sup>11</sup>Bottom Hole Location If Different From Surface UL or lot no. Section Feet from the North/South line East/West line Township Lot Idn Feet from the County Range 12 Dedicated Acres <sup>13</sup> Joint or. Infill <sup>14</sup>Consolidation Code "Order No. 40 Ν

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.

	2 To North Near Lease Line	16	<sup>17</sup> OPERATOR CERTIFICATION I hereally carify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interess or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a volustary pouling agreement or a compulsory proling order heretofore entered by the division. Michael Contract Method Contract Action Michael Contract Action Michael Contract Action Data Michael Mame She III - cloces cherical Yahas. F-mail Address
ENCORE M STATE No. 8 Elev. 3408' NAD 83 NM East N= $502563'$ E= $891545'$ Lat. = $32'22'35.44''$ Long.= $-103'11'56.26''$	To N B 11	ear Survey & Lease Line 1650'	18 SURVEYOR CERTIFICATION 1 hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7-28-2012 Date of Survey Superture and See at Proteining Samuel X
	- 2340'		Date of Survey Signature and Sea) of Proteining Survey HE X (10324) INCLASS 10324 Certificate Number

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File No. \_\_\_\_\_A-7067\_\_

DISTRICT 1 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 DISTRICT II \$11 S. FistSL, Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rin 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 AND ACREAGE DEDICATION PLAT

1API Number 30-025-40721		<sup>2</sup> Pool Code 60240	<sup>J</sup> Piol Name Tubb Oil & Gas (Oil)			1	
<sup>4</sup> Property Code 314022	Encore	M State	<sup>5</sup> Property Name			Well Number 8	
<sup>7</sup> 0GRD No. 370080	Breitbu	rn Operating LP	<sup>s</sup> Operator Name n Operating LP				
		10	Surface Location				
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### <sup>11</sup>Bottom Hole Location If Different From Surface UL or lot no. Section Range Lot Ida Feet from the North/South line Feet from the Bast/West line County Township 12 Dedicated Acres 13 Joint or Infill <sup>14</sup>Consolidation Code <sup>5</sup>Order No. 40 N

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.

		Near Lease Line 5577		<sup>17</sup> OPERATOR CERTIFICATION I hereby carify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location persuant to a contract with an owner of such a mineral or working interest, or to a voluntary pealing agreement or a compulsory pooling order heretafore entered by the division.
	ENCORE M STATE	2 2	+	Michelle Doeschen Printer Date Michelle Doeschen Printed Name Shelly_abeschen@yalos.com B-mail Address 18SURVEYOR CERTIFICATION
	No. 8 Elev. 3408' NAD 83 NM East N= 502563' E= 891545' Lat. = 32'22'35.44" Long.=-103'11'56.26'	10 8 11 	Near Survey & Lease Line	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7-28-2012 Date of Burwy Bignature and Seel of Proceedings BurwyEX / CB
4.8 Miles SW	of Euni		Y Mexico.	Minter 10324 10324 Certificate Number File No. <u>A-7067</u>

<sup>.</sup> New Mexico.

D)STRICT 1 1625 N. French Dr., Hobbs, NM 88240 Phome: (575) 393-6161 Fax: (575) 393-0720 D)STRICT 11 811 S. First St., Antesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 D)STRICT 111 1000 Rin Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 D)STRICT 11V 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

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	ł			owns a working interest or unleased mineral interest in the land including
/		Line		
	í		[	the proposed bottom hale location or has a right to drill this well at this
, I	i	, ease		location pursuant to a contract with an owner of such a mineral or working
7				interest, or to a voluntary pooling agreement or a compulsory pooling
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2			,	<sup>18</sup> SURVEYOR CERTIFICATION
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1	No. 8 Elev. 3408'			I hereby certify that the well location shown on this
/		8	• 1	plat was plotted from field notes of actual surveys
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	N= 502563'		1 1	made by me or under my supervision, and that the
,	E= 891545	11	1	same is true and correct to the best of my belief.
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File No. \_\_\_\_\_A-7067

DISTRICT 1 1025 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-0161 Fax: (575) 393-0720 DISTRICT 11 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 DISTRICT III-1000 Rus Brazos Road, Aztec, NM 87410 Phone: (505) 34-0178 Rax: (509) 33--0170 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

			W	ELL	LOC	ATION	AND A	ACREAGE D	EDICATI	ON PLAT	
					<sup>2</sup> Pool Code <sup>3</sup> Pool Name 2700 Wantz; Abo					· · · · · · · · · · · · · · · · · · ·	
<sup>4</sup> Property Code 314022 Encore M State							*Well Number 8				
	<sup>'OGRED Na.</sup> 370080 Breitburn Operating LP						"Elevation 3408'				
· · · · · · · · · · · · · · · · · · ·		<b>_</b>				10	Surface	Location			
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			1	<sup>1</sup> Bott	om J	Hole Lo	cation 1	lf Different F	rom Sur	lace	
UL or lot na	Section	Township	Ra	nge	Lot 1d	in <b>For</b> t	from the	North/South line	Feel from	he Basi/West line	County
<sup>12</sup> Dodicated Acres 40	<sup>11</sup> joint N	or Infill	"Conso)j	dation C	ode	<sup>15</sup> Order No.	<u></u>	<u> </u>	<u>]                                    </u>		
No allowable	will be	assigned to	this c	omple	tion u	otil all in	terests hav	e been consolida	ted or a non-	standard unit has beer	approved by the division
			<del>~ / </del>	77.	<del>77</del> 7   	,			16	I hereby certify that the informati	CERTIFICATION on contained herein is true and complete elief, and that this organization either
r 1 1							Lease Line			the proposed bottom hole location location pursuant to a contract w	ed mineral interest in the land including a or has a right to drift this well ut this ith an owner uf such a mineral or working agreenent or a compulsory pooling

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·	•	2 1 1				E-mail Address
	ENCORE M STATE No. 8 Elev. 3408' NAD 83 NM East N= 502563' E= 891545' Lat. = 32'22'35.44" Long.=-103'11'56.26"			ar Survey & Lease	Line	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 7-28-2012 Date of Survey Signature and Seel of Particular Apprendict A Content of the 10324 Michael Content of Section A Con

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# State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

David Martin Cabinet Secretary

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jaml Bailey, Division Director Oll Conservation Division



Administrative Order DHC-4705 Order Date: September 30, 2014 Application Reference Number: pMAM1427238751

Quantum Resources Management, LLC 5 Houston Center 1401 McKinney Street, suite 2400 Houston, Tx. 77010

Attention: David Catanach

Encore M State Well No. 8 API No. 30-025-40721 Unit J, Section 19, Township 22 South, Range 37 East NMPM Lea County, New Mexico

Pool	BLINEBRY OIL AND GAS (OIL)	Oil (6660)
Names:	DRINKARD	Oil (19190)
	WANTZ;ABO	Oil (62700)

Reference is made to your recent application for an exception to Division Rule 19.15.12.9A. NMAC of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appears that the subject well qualifies for approval for such exception pursuant to the provisions of Division Rule 19.15.12.11A. NMAC, and since reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division Rule 19.15.12.11A.(6) NMAC, the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

As per the application, the assignment of allowable and allocation of production from the subject well shall be based on the analysis of the historical production from surrounding wells in the same pools. Assignment of allowable and allocation of production from the well shall be as follows:

BLINEBRY OIL AND GAS (OIL) POOL	Pct. Gas: 33.3	Pct. Oil: 33.3
DRINKARD POOL	Pct. Gas: 33.3	Pct. Oil: 33.3
WANTZ;ABO POOL	Pct. Gas: 33.3	Pct. Oil: 33.3

It is also understood that you have given due notice of this application, as defined in Division Rule 19.15.4.12A.(6) NMAC, to all owners of interest when ownership is not common for the commingled zones within the spacing unit.

REMARKS: This Order supersedes Administrative Order DHC-519HB, issued on July 19, 2013.

This Order is subject to like approval from the New Mexico State Land Office.

Pursuant to Division Rule 19.15.12.11B. NMAC, the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

JAMI BAILEY

Director

JB/mam

cc: New Mexico Oil Conservation Division – Hobbs New Mexico State Land Office – Oil, Gas, and Minerals