



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Farmington District Office  
6251 College Blvd. - Suite A  
Farmington, New Mexico 87402  
www.blm.gov/nm

RECEIVED OOD

2017 SEP 21 P 2:50

In Reply Refer To:  
NMNM137065X  
3105 (NMF0110)

September 14, 2017

Encana Oil & Gas (USA) Inc.  
Attn: Mona Binion  
370 17<sup>th</sup> St., Suite 1700  
Denver, CO 80202

PLC-378-B

Dear Ms. Binon:

This is to acknowledge receipt of the following documents relating to the Blanco Wash Unit agreement, NMNM137065X.

1. Four (4) duplicate originals of Ratification and Joinder Agreement executed by Curtis D. Smith, Vice President-Land, Hilcorp Energy Company, covering the lessee of record in the lands described in S/2 SW/4, Sec. 5, T.24 N., R.9 W., NMPM, San Juan County, New Mexico.
2. Revised Exhibit B, reflecting the adjusted Tract Participation Factors to include Tract 7.

By virtue of the Ratification and Joinder identified under Item 1, the joinder under Tract 7 is considered fully committed to Blanco Wash Unit, effective August 18, 2017. The above listed Ratification has been approved by BLM-FFO and consented by Hilcorp Energy Company, Unit Operator.

Copies of the ratifications are being distributed to the appropriate Federal and State agencies to be filed with the official records of this case.

If you have any questions, please contact Virginia Barber at (505) 564-7754 or [vbarber@blm.gov](mailto:vbarber@blm.gov)

Sincerely,

Richard Fields  
Farmington Field Office Manager

Enclosures

cc: Commissioner of Public Lands, Santa Fe, NM  
New Mexico Oil Conservation Division (NMOCD)  
Office of Natural Resources Revenue (ONRR)  
Federal Indian Minerals Office (FIMO)

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the **Blanco Wash Unit Area**, County of San Juan, State of New Mexico, dated **August 20, 2012**, in form approved on behalf of the Secretary of the Interior, and in consideration of the execution or ratification by other overriding royalty interest owners of the contemporary Unit Agreement, the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement, as fully as though the undersigned had executed the original instrument.

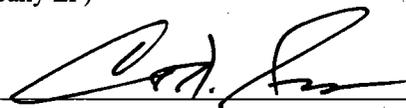
This Ratification and Joinder shall be effective as to the undersigned's interest in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering any lands within the Unit Area in which the undersigned may be found to have an oil or gas interest.

This Ratification and Joinder shall be binding upon the undersigned, its heirs, devisees, assignees or successors in interest.

EXECUTED this 18th day of August, 2017.

Hilcorp San Juan, L.P.

By: Hilcorp Energy Company  
Its General Partner  
(as Successor in title to Burlington Resources Oil & Gas Company LP)

By: 

Curtis D. Smith, Vice President – Land WM

Address 1111 Travis Street  
Houston, Texas 77002

CORPORATE ACKNOWLEDGEMENT

STATE OF TEXAS)

) ss.

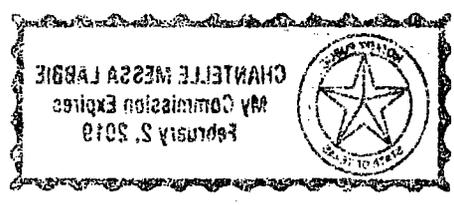
COUNTY OF HARRIS)

This instrument was acknowledged before me on August 18, 2017 by Curtis D. Smith, Vice President – Land, of Hilcorp Energy Company, a Texas corporation, the general partner of Hilcorp San Juan, L.P., on behalf of said Delaware limited partnership.

11 10/10/11 11

11 10/10/11 11

11 10/10/11 11



11 10/10/11 11

11 10/10/11 11

11 10/10/11 11

11 10/10/11 11

11 10/10/11 11

**Exhibit "B"**  
**BLANCO WASH UNIT**  
**Revised Mancos Formation Participating Area**  
San Juan County, New Mexico  
**Effective August 18, 2017**

<b>Unit Tract No.</b>	<b>Serial Number / Lease Name Type of Lease</b>	<b>Description of Land</b>	<b>Unit Tract Acres</b>	<b>Participating Acres</b>	<b>Tract Participation Factor</b>	<b>Working Interest Owner</b>
<b>FEDERAL LANDS:</b>						
1	NMNM 002337 Federal (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 6 Lots 1 (41.93 NENE), 2 (41.38 NWNE), 3 (40.82 NENW), 4 (39.16 NWNW), 5 (39.29 SWNW), 6 (39.69 NWSW), S2NE, SENW, NESW, SE Section 7 N2NE <u>Township 24 North, Range 9 West, NMPM</u> Section 1 Lots 1 (39.99 NENE), 2 (39.97 NWNE), 3 (39.95 NENW), 4 (39.93 NWNW), S2N2	962.11	962.11	7.654998%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
2	NMNM 009520 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 10 SE Section 12 SW	320.00	320.00	2.546070%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
3	NMNM 010089 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 9 All	640.00	640.00	5.092140%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
4	NMNM 010755 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 10 W2NE Section 20 All	720.00	720.00	5.728657%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
5	NMNM 016759 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 5 Lots 3 (40.35 NENW), 4 (40.33 NWNW), S2NW, N2SW	240.68	240.68	1.914963%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. James B. Fullerton (RT) Encana Oil & Gas (USA) Inc.
6	NMNM 136063 Federal (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 7 Lots 1 (40.27 NWNW), 2 (40.26 SWNW), 3 (40.26 NWSW), 4 (40.25 SWSW), S2NE, E2W2, SE	561.04	561.04	4.463897%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
7	NMNM 023742 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 5 S2SW	80.00	80.00	0.636517%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. James B. Fullerton (RT) Burlington Resources Oil & Gas LP
8	NMNM 025440 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 8 All	640.00	640.00	5.092140%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
9	NMNM 030854 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 4 SWSW Section 5 SENE, E2SE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
10	NMNM 036473 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 17 W2	320.00	320.00	2.546070%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.

Unit Tract No.	Serial Number / Lease Name Type of Lease	Description of Land	Unit Tract Acres	Participating Acres	Tract Participation Factor	Working Interest Owner
11	NMNM 036474 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 21 N2	320.00	320.00	2.546070%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
12	NMNM 041650 Federal (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 19 Lots 3 (40.38 NWSW), 4 (40.31 SWSW), E2SW, SE	320.69	320.69	2.551560%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
13	NMNM 045208 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 17 E2	320.00	320.00	2.546070%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
14	NMNM 063319 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 5 Lots 1 (40.39 NENE), 2 (40.37 NWNE), SWNE, W2SE	200.76	200.76	1.597341%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
15	NMNM 136062 Federal (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 18 E2	320.00	320.00	2.546070%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
16	NMNM 088074 Federal (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 19 NE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
17	NMNM 097108 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 4 Lots 3 (40.22 NENW), 4 (40.34 NWNW), S2NW4, N2SW, SESW	280.56	280.56	2.232267%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
18	NMNM 100302 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 10 E2NE, W2 Section 15 SW	560.00	560.00	4.455622%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
19	NMNM 100303 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 12 NW4, S2NE, SE	400.00	400.00	3.182587%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
20	NMNM 118136 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 11 NE Section 12 N2NE Section 14 NW Section 15 N2, SE	880.00	880.00	7.001692%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
21	NMNM 135989 Federal (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 13 SW Section 14 S2 Section 22 N2 Section 23 N2 Section 24 NW, S2	1,600.00	1,600.00	12.730350%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
<b>21 Federal Tracts totalling acres or 76.214822% of Unit Area</b>			<b>10,005.84</b>	<b>10,005.84</b>	<b>79.611151%</b>	
<b>STATE LANDS:</b>						
22	B-10889 State of New Mexico (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 16 NWSE	40.00	40.00	0.318259%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Koch Industries, Inc. (RT) QEP Energy Company

Unit Tract No.	Serial Number / Lease Name Type of Lease	Description of Land	Unit Tract Acres	Participating Acres	Tract Participation Factor	Working Interest Owner
23	E-6644 State of New Mexico (Uncommitted)	<u>Township 24 North, Range 9 West, NMPM</u> Section 16 N2	320.00	0.00	0.000000%	Kaiser Francis Oil Company (RT) Kaiser Francis Oil Company
24	V-7918 State of New Mexico (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 16 NESE, N2SW, SESW, SWSE	200.00	200.00	1.591294%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
25	V-8941 State of New Mexico (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 16 SESE, SWSW	80.00	80.00	0.636517%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
<b>4 State Tracts totalling acres or 4.874902% of Unit Area</b>			<b>640.00</b>	<b>320.00</b>	<b>2.546070%</b>	
<b>PATENTED LANDS:</b>						
26	Charles R. Wiggins, et al (Patented) (Uncommitted)	<u>Township 24 North, Range 8 West, NMPM</u> Section 6 Lots 7 (40.08 SWSW), SESW <u>Township 24 North, Range 9 West, NMPM</u> Section 1 SE	240.08	0.00	0.000000%	Encana Oil & Gas (USA) Inc. Unleased
<b>1 Patented Tract totalling acres or 1.828697% of Unit Area</b>			<b>240.08</b>	<b>-</b>	<b>0.000000%</b>	
<b>NAVAJO ALLOTTED LANDS:</b>						
27	BIA 1420-0603-1402 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 1 SW	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
28	BIA 1420-0603-1404 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 2 SE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
29	BIA 1420-0603-1405 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 2 Lots 1 (39.97 NENE), 2 (40.07 NWNE), S2NE	160.04	160.04	1.273353%	Encana Oil & Gas (USA) Inc. Dugan Production Corp. (RT) Dugan Production Corp.
30	BIA N0-G-1401-1833 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 11 SW	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
31	BIA N0-G-1401-1835 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 13 NW	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
32	BIA N0-G-1402-1904 Navajo Allotted (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 18 Lots 1 (40.28 NWNW), 2 (40.35 SWNW), E2NW	160.63	160.63	1.278048%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
33	BIA N0-G-1402-1906 Navajo Allotted (Committed)	<u>Township 24 North, Range 8 West, NMPM</u> Section 19 Lots 1 (40.51 NWNW), 2 (40.44 SWNW), E2NW	160.95	160.95	1.280594%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
34	BIA N0-G-1403-1909 Navajo Allotted (Committed)	<u>Township 24 North, Range 9 West, NMPM</u> Section 11 NW	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.

Unit Tract No.	Serial Number / Lease Name Type of Lease	Description of Land	Unit Tract Acres	Participating Acres	Tract Participation Factor	Working Interest Owner
35	BIA NO-G-1403-1911 Navajo Allotted (Committed)	<u>Towhship 24 North, Range 9 West, NMPM</u> Section 13 NE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
36	BIA NO-G-1403-1914 Navajo Allotted (Committed)	<u>Towhship 24 North, Range 8 West, NMPM</u> Section 18 Lots 3 (NWSW 40.43), 4 (SWSW 40.50), E2SW	160.93	160.93	1.280434%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
37	BIA NO-G-1403-1940 Navajo Allotted (Committed)	<u>Towhship 24 North, Range 9 West, NMPM</u> Section 24 NE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
38	BIA NO-G-1403-1947 Navajo Allotted (Committed) Richard P. Rodriguez (Patented) (Committed) Orlando Rivera (Patented) (Committed)	<u>Towhship 24 North, Range 9 West, NMPM</u> Section 11 SE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.  Encana Oil & Gas (USA) Inc.  Encana Oil & Gas (USA) Inc.
39	BIA NO-G-1403-1952 Navajo Allotted (Committed) Richard P. Rodriguez (Patented) (Committed) Orlando Rivera (Patented) (Committed)	<u>Towhship 24 North, Range 9 West, NMPM</u> Section 14 NE	160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.  Encana Oil & Gas (USA) Inc.  Encana Oil & Gas (USA) Inc.
40	BIA NO-G-1404-1969 Navajo Allotted (Committed)	<u>Towhship 24 North, Range 9 West, NMPM</u> Section 13 SE	-160.00	160.00	1.273035%	Encana Oil & Gas (USA) Inc. (RT) Encana Oil & Gas (USA) Inc.
<b>14 Allotted Tracts totalling acres or 17.081579% of Unit Area</b>			<b>2,242.55</b>	<b>2,242.55</b>	<b>17.842779%</b>	
<b>Total Unit Acres</b>			<b>13,128.47</b>	<b>12,568.39</b>	<b>100.000000%</b>	

Blanco Wash Unit Participating Area Recap		
Lease Type	Participating Acres	Percentage of Participation
Federal	10,005.84	79.611151%
State	320.00	2.546070%
Patented	-	0.000000%
Navajo Allotted	2,242.55	17.842779%
<b>Total Participating Unit Acres</b>	<b>12,568.39</b>	<b>100.000000%</b>