

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING
SUBMITTED BY APACHE CORPORATION**

ORDER NO. PLC-644

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having considered the application, issues the following Order.

FINDINGS OF FACT

1. Apache Corporation ("Applicant") submitted a complete application to surface commingle and off-lease measure the oil and gas production ("Application") from the pools, leases, and horizontal wells identified in Exhibit A.
2. To the extent that ownership is identical, Applicant submitted a certification by a licensed attorney or qualified petroleum landman that the ownership in the pools, leases, and horizontal wells to be commingled is identical as defined in 19.15.12.7(B) NMAC.
3. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and horizontal wells to be commingled.
4. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless whether they have a right or option to take their interests in kind, in accordance with 19.15.12.10(C)(4)(c) NMAC and 19.15.12.10(C)(4)(e) NMAC, and those persons either submitted a written waiver or did not file an objection to the Application.
5. Applicant provided notice of the Application to the Bureau of Land Management ("BLM") or New Mexico State Land Office ("NMSLO"), as applicable.
6. Applicant submitted one or more proposed communitization or unitization agreement(s) ("Proposed Agreement(s)") to the BLM or NMSLO, as applicable, identifying the leases to be consolidated into a single lease ("Proposed Consolidated Lease")

CONCLUSIONS OF LAW

7. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, and 19.15.12 NMAC.
8. To the extent that ownership is diverse, Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10(C)(4)(c) NMAC and 19.15.12.10(C)(4)(e) NMAC.

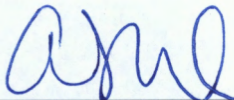
9. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

ORDER

1. Effective February 21, 2020, Applicant is authorized to surface commingle and off-lease measure oil and gas production from the pools, leases, and horizontal wells identified in Exhibit A.
2. No later than five (5) business days after the BLM or NMSLO approves or denies a Proposed Agreement, Applicant shall notify OCD and submit a copy of the decision and agreement via Form C-103. If Applicant withdraws or the BLM or NMSLO denies a Proposed Agreement, then this Order shall terminate on the date of such action, and Applicant shall cease commingling the production on the Proposed Consolidated Lease. If the BLM or NMSLO approves but modifies the Proposed Agreement(s), then Applicant shall comply with the approved agreement(s), and no later than ten (10) business days after such decision, Applicant shall submit a new surface commingle application to conform with the approved agreement(s). If OCD denies the application, this Order shall terminate automatically.
3. Applicant shall allocate the oil and gas production to each lease within a Proposed Consolidated Lease in proportion to the acreage that each lease bears to the entire acreage of the Proposed Consolidated Lease described in Exhibit B.
4. The allocation of oil and gas production shall be calculated on the basis of the production life of each well. The production of a well shall be calculated for three periods: (a) the initial production period shall be measured from the first production until either the peak production rate or thirty (30) days after the first production; (b) the initial plateau period shall be measured from the end of the initial production period to the peak decline rate; and (c) the decline period shall be measured from the end of the initial plateau period until the well is plugged and abandoned.
5. For each well during the initial production period, the oil and gas production shall be separated and metered individually prior to commingling.
6. For each well during the initial plateau period, the oil and gas production shall be allocated using a minimum of four (4) well tests per month.
7. For each well during the decline period, the oil and gas production shall be allocated using the minimum number of well tests: (a) four (4) well tests per month when the decline rate is greater than 21% per month; (b) three (3) well tests per month when the decline rate is between 21% and 13% per month; (c) two well tests per month when the decline rate is between 13% and 6% per month; and (d) one (1) well test per month when the decline rate is less than 6% per month.
8. Applicant shall submit a Form C-103 each quarter to the Engineering Bureau in Santa Fe that identifies the following information for each well: (a) the allocation method; (b) the

- current decline rate; (c) the minimum number of well tests per month required by Paragraphs 6 or 7, as applicable; and (d) the number of well tests conducted each month.
9. Upon request by the Division, Applicant shall submit a Sundry Notice to the Engineering Bureau in Santa Fe providing the decline rate curve and other information to demonstrate the period of the production life of a well.
 10. Applicant shall conduct a well test by separating and metering individually the oil and gas production from the well for either (a) a minimum of twenty-four (24) consecutive hours; or (b) a combination of nonconsecutive periods that meet the following conditions: (i) each period shall be a minimum of six (6) hours; and (ii) the total duration of the nonconsecutive periods shall be a minimum of eighteen (18) hours.
 11. Applicant shall measure the commingled oil at the central tank battery described in Exhibit A in accordance with 19.15.18.15 NMAC or 19.15.23.8 NMAC.
 12. Applicant shall measure the commingled gas at the central delivery point described in Exhibit A in accordance with 19.15.19.9 NMAC, provided however that if the gas is flared, regardless whether OCD has granted an exception pursuant to 19.15.18.12(B) NMAC, Applicant shall report the gas in accordance with 19.15.18.12(F) NMAC.
 13. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10(C)(2) NMAC.
 14. Applicant may add subsequently drilled wells to this Order in accordance with 19.15.12.10(C)(4)(g) NMAC by submitting a Form C-107-B via the OCD Fee Portal.
 15. Applicant shall not commence commingling involving state, federal, or tribal leases unless or until approved by the BLM or NMSLO, as applicable. *See* 19.15.12.10(B)(3) and (C)(4)(h) NMAC.
 16. OCD retains jurisdiction and reserves the right to modify or revoke this Order if it determines that the Application did not accurately describe the pools, leases, and horizontal wells in the Proposed Consolidated Lease(s) or any action affecting or related to the commingling of oil and gas production, or as deemed necessary to prevent waste or protect correlative rights, public health, or the environment.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**



**ADRIENNE SANDOVAL
DIRECTOR**

DATE: 2-21-2020

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit A

Order: PLC-644

Operator: Apache Corporation (873)

Central Tank Battery: Black and Tan 27 Federal Central Tank Battery

Central Tank Battery Location (NMPM): Section 27, Township 20 South, Range 34 East

Gas Custody Transfer Meter Location (NMPM): Section 27, Township 20 South, Range 34 East

Pools

Pool Name	Pool Code
LEA; BONE SPRING, SOUTH	37580
WC-025 G-08 S203435D; WOLFCAMP	98247

Leases as defined in 19.15.12.7(C) NMAC

Lease	Location (NMPM)	
NM 0000082	NW/4, E/2 NE/4, SW/4 NE/4	Sec 27-T20S-R34E
NM 0000082	NW/4 NE/4	Sec 27-T20S-R34E
NM 060393	SW/4 SW/4, SW/4 SE/4	Sec 27-T20S-R34E
NM 0000897	NE/4 SW/4, N/2 SE/4, SE/4 SE/4	Sec 27-T20S-R34E
NM 0000897	NW/4 SW/4	Sec 27-T20S-R34E
NMLC 029519B	SE/4 SW/4	Sec 27-T20S-R34E

Wells

Well API	Well Name	Location (NMPM)	Pool Code	Train
30-025-44017	Black and Tan 27 Fed Com 301H	M-27-20S-34E	37580	1
30-025-44018	Black and Tan 27 Fed Com 302H	M-27-20S-34E	37580	1
30-025-43921	Black and Tan 27 Fed Com 303H	N-27-20S-34E	37580	1
30-025-43940	Black and Tan 27 Fed Com 305H	O-27-20S-34E	37580	1
30-025-44044	Black and Tan 27 Fed Com 307H	P-27-20S-34E	37580	1
30-025-44045	Black and Tan 27 Fed Com 308H	P-27-20S-34E	37580	1
30-025-46072	Black and Tan 27 Fed Com 401H	M-27-20S-34E	98247	2
30-025-46073	Black and Tan 27 Fed Com 402H	N-27-20S-34E	98247	2
30-025-46123	Black and Tan 27 Fed Com 403H	N-27-20S-34E	98247	2
30-025-46124	Black and Tan 27 Fed Com 405H	O-27-20S-34E	98247	2
30-025-46075	Black and Tan 27 Fed Com 406H	P-27-20S-34E	98247	2

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit B

Order: PLC-644

Operator: Apache Corporation (873)

Proposed Consolidated Leases

Consolidated Lease	Location (NMPM)		Acres	Consolidated Lease ID
CA	All	Sec 27-T20S-R34E	640	A

Leases Comprising Proposed Consolidated Leases

Lease	Location (NMPM)		Acres	Consolidated Lease ID
NM 0000082	NW/4, E/2 NE/4, SW/4 NE/4	Sec 27-T20S-R34E	280	A
NM 0000082	NW/4 NE/4	Sec 27-T20S-R34E	40	A
NM 060393	SW/4 SW/4, SW/4 SE/4	Sec 27-T20S-R34E	80	A
NM 0000897	NE/4 SW/4, N/2 SE/4, SE/4 SE/4	Sec 27-T20S-R34E	160	A
NM 0000897	NW/4 SW/4	Sec 27-T20S-R34E	40	A
NMLC 029519B	SE/4 SW/4	Sec 27-T20S-R34E	40	A