

RECEIVED: 1/20/20	REVIEWER: DM	TYPE: CTB	APP NO: pDM2004549970
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Apache Corporation **OGRID Number:** 873
Well Name: PALMILLO 20 STATE and PALMILLO 21 STATE **API:** VARIOUS
Pool: Winchester, BONE SPRINGS, WEST **Pool Code:** 97569

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [I] or [II]
 [I] Commingling - Storage - Measurement
☐ DHC ☒ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
 [II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders
 B. ☒ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☒ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☐ No notice required

FOR OCD ONLY

- ☐ Notice Complete
☐ Application Content Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative 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.

Alicia Fulton

Print or Type Name

Signature

1/16/2020

Date

432-818-1088

Phone Number

alicia.fulton@apachecorp.com

e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

Form C-107-B
Revised August 1, 2011

Submit the original application to the Santa Fe office with one copy to the appropriate District Office.

APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)

OPERATOR NAME: APACHE CORPORATION
OPERATOR ADDRESS: 303 VETERANS AIRPARK LANE MIDLAND, TX 79705
APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☐ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. _____
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling
☒ Yes ☐ No

(A) POOL COMMINGLING
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

- (2) Are any wells producing at top allowables? ☐ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No
(4) Measurement type: ☐ Metering ☐ Other (Specify)
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved

(B) LEASE COMMINGLING
Please attach sheets with the following information

- (1) Pool Name and Code Winchester, Bone Spring, West 97569
(2) Is all production from same source of supply? ☒ Yes ☐ No
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No
(4) Measurement type: ☒ Metering ☐ Other (Specify)

(C) POOL and LEASE COMMINGLING
Please attach sheets with the following information

- (1) Complete Sections A and E.

(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

- (1) Is all production from same source of supply? ☐ Yes ☐ No
(2) Include proof of notice to all interest owners

(E) ADDITIONAL INFORMATION (for all application types)
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location
(2) A plat with lease boundaries showing all well and facility locations Include lease numbers if Federal or State lands are involved
(3) Lease Names, Lease and Well Numbers, and API Numbers

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

SIGNATURE Alicia Fulton TITLE REG. TECH DATE 1/16/2020
TYPE OR PRINT NAME ALICIA FULTON TELEPHONE NO 432-818-1088
E-MAIL ADDRESS alicia.fulton@apachecorp.com



January 17, 2020

New Mexico Oil Conservation Division
1220 South St. Frances Drive
Santa Fe, NM 87505

RE: Request for Administrative Approval of
Surface Commingling
Palmillo 21 State COM and Palmillo 20 State COM
Winchester, Bone Springs West Pool Code 97569
Eddy County, New Mexico

Apache respectfully requests administrative approval to surface commingle various wells in the same pool at Apache's existing Palmillo 21 State Central Tank Battery, located in Eddy County, New Mexico.

The requested commingling authority will allow surface commingling as well as allocation of production to discrete interest owners by frequent and accurate well testing.

Proposal:

Apache currently operates five horizontal wells, the Palmillo 21 State COM wells, which were drilled and completed in 2019. Apache is planning on drilling and completing four additional wells, located on the section immediately to the west, in 2020. These wells will be the Palmillo 20 State COM series of wells.

Due to the proximity of the new development to the existing facilities, Apache proposed to surface commingle the leases and pool as outlined below. Such commingling approval will enable the most economic and practical use of the State's surface acreage and the facilities investment already made. The inability to commingle, as proposed, would adversely impact the project economics and potentially prevent development of the oil and gas resources in Section 20.

The wells proposed for commingling at the existing Palmillo 21 central tank battery facility, located in Sec 21, T19S, R28E, include the 2019-drilled wells listed here:

- Palmillo 21 State COM 227H API: 30-015-45279
- Palmillo 21 State COM 228H API: 30-015-45280

Request for Administrative Approval of Surface Commingling
Palmillo 21 State COM and Palmillo 20 State COM
Page 2

- Palmillo 21 State COM 324H API: 30-015-45281
- Palmillo 21 State COM 325H API: 30-015-45252
- Palmillo 21 State COM 326H API: 30-015-45283

The proposed wells to be drilled in 2020 include these wells, located in Sec 20, T19S, R28E:

- Palmillo 20 State COM 263H API: 30-015-46526
- Palmillo 20 State COM 264H API: 30-015-46527
- Palmillo 20 State COM 365H API: 30-015-46528
- Palmillo 20 State COM 366H API: 30-015-46529

The central tank battery facility, if this request is approved, will be equipped with one three-phase production separator and three, three-phase testers. All wells will be plumbed to a header enabling each well to be switched to a tester within the tester array on demand. Wells not being tested will be flowed to the production separator. A facility diagram is incorporated as part of this application.

Each tester is equipped with a Coriolis meter for measuring oil production, an electromagnetic flow meter for water production measurement, and an orifice gas totalflow meter for gas production. At any given time, there will be three wells in test mode. This arrangement should enable each well to be tested a minimum of four time per month, for 48 to 72 hour periods, thus ensuring an accurate accounting of oil for allocation to the individual well. Additionally, the facility is equipped with a vapor recovery unit to minimize emissions, and these gas volumes will be allocated to each well based on proportionate oil production volumes.

This commingling request is the most effective, economic means of producing the reserves and will not result in reduced royalty or improper measurement of production. The proposed commingling will reduce operating expenses by utilizing existing facilities as well as reduce the surface facility footprint associated with constructing a new battery.

Notification:

The working interest is 100% Apache and Apache-owned entities, but the royalty rates and overriding royalty interests differ slightly between the wells. All royalty interest is State, at slightly varying rates. However with the above metering in place each well will be tested separately for accurate allocation. Each owner has been notified as required as part of this application process, and no objections have been received.

Request for Administrative Approval of Surface Commingling
Palmillo 21 State COM and Palmillo 20 State COM
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Please advise if this request is acceptable. If additional information is required please contact Alicia Fulton, Regulatory Analyst, at (432) 818-1088 or alicia.fulton@apachecorp.com or me at (432) 818-1845 or davidr.cummings@apachecorp.com.

Sincerely,

A handwritten signature in black ink, appearing to read "David Cummings". The signature is fluid and cursive, with the first name "David" being more prominent and the last name "Cummings" following in a similar style.

David Cummings
Production Engineer
Permian Region

Enclosure / Enclosures (1)



January 20, 2020

Sent via certified mail

Interest Owner Name

RE: Notice of Intent to Surface Commingle Production from the
Palmillo 20 State Com 263H, 264H, 365H, 366H and the Palmillo 21 State Com 227H, 228H,
324H, 325H, 326H
Sections 20 and 21, Township 19 South, Range 28 East
Eddy County, New Mexico

Dear Interest Owners,

Apache Corporation ("Apache") hereby requests your approval to surface commingle production from the following existing wells:

- Palmillo 20 State Com 263H: API 30-015-46526, a horizontal well located to be located 1945' FNL and 370' FWL, UL E, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 20 State Com 264H: API 30-015-46527, a horizontal well located to be located 851' FNL and 435' FWL, UL D, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 20 State Com 365H: API 30-015-46528, a horizontal well located to be located 1905' FNL and 370' FWL, UL E, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 20 State Com 366H: API 30-015-46529, a horizontal well located to be located 831' FNL and 435' FWL, UL D, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 21 State Com 227H: API 30-015-45279, a horizontal well located at 1715' FNL and 370' FWL, UL E, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 21 State Com 228H: API 30-015-45280, a horizontal well located at 755' FNL and 360' FWL, UL D, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 21 State Com 324H: API 30-015-45281, a horizontal well located at 1755' FNL and 370' FWL, UL E, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.

Letter dated November 21, 2019
Notice of Intent to Surface Commingle
Page 2

- Palmillo 21 State Com 325H: API 30-015-45282, a horizontal well located at 1675' FNL and 370' FWL, UL E, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.
- Palmillo 21 State Com 326H: API 30-015-45283, a horizontal well located at 715' FNL and 360' FWL, UL D, Section 21, T-19-S, R-28-E, to produce from the Winchester Bone Spring West pool (97569) in Section 20-T-19S-R-28E.

Please be aware that the working interest is owned by Apache 100% for all the wells stated above and the State of New Mexico's royalty and the overriding royalty interest differs slightly between the wells.

In order to commingle production at the surface, production from each of the wells will be rotated through metering testers on a regular basis in order to test each well's production separately to fairly allocate oil and gas production on a pro-rata share.

For future additions of wells, leases, and pools to this commingling operation, notice shall only be given to those interest owners in the wells, leases, or pools to be added, in accordance with Division Rule 19.15.12.10 C (4) (g) NMAC.

To evidence your approval for the surface commingling of production, please execute the signature block below and return one copy of this letter to my attention by e-mail, fax, or using the prepaid return envelope enclosed herewith. Should you have any questions, please don't hesitate to contact me.

Sincerely,

APACHE CORPORATION



Blake Johnson
Landman
blake.johnson@apachecorp.com
432-818-1698 (office)
432-818-1197 (fax)

The undersigned hereby approves to surface commingle production, as proposed in this letter, subject to further approval by the State of New Mexico (State Land Office) and the New Mexico Oil Conservation Division.

Signature

Printed Name

Title

Palmillo 20 State Com 263 API 30-015-46526**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	100.00000000	82.15690100	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	15.62500025	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Paul Slayton	0.00000000	1.87500000	ORRI	3507 63rd Dr, Lubbock, Texas 79413 Nestegg Energy Corporation
Nestegg Energy Corp	0.00000000	0.34309875	ORRI	2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 20 State Com 365 API 30-015-46528**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	100.00000000	82.15690100	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	15.62500025	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Paul Slayton	0.00000000	1.87500000	ORRI	3507 63rd Dr, Lubbock, Texas 79413 Nestegg Energy Corporation
Nestegg Energy Corp	0.00000000	0.34309875	ORRI	2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 20 State Com 264 API 30-015-46527**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	100.00000000	81.43793400	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	14.58333350	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Paul Slayton	0.00000000	3.75000000	ORRI	3507 63rd Dr, Lubbock, Texas 79413 Nestegg Energy Corporation
Nestegg Energy Corp	0.00000000	0.22873250	ORRI	2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 20 State Com 366 API 30-015-46529**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	100.00000000	81.43793400	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	14.58333350	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Paul Slayton	0.00000000	3.75000000	ORRI	3507 63rd Dr, Lubbock, Texas 79413 Nestegg Energy Corporation
Nestegg Energy Corp	0.00000000	0.22873250	ORRI	2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 21 State Com 227 API 30-015-45279**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	90.10416675	75.39027775	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561
ZPZ Delaware I, LLC	9.89583325	8.34062500		Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	12.50000000	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Yates Brothers	0.00000000	0.56423600	ORRI	Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394
Dominion Oklahoma Texas Exploration and Production, Inc	0.00000000	0.49913200	ORRI	Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309
Marathon Oil Company		0.29947925	ORRI	Marathon Oil Company 5555 San Felipe Houston, TX 77056
Nestegg Energy Corporation		0.03125000	ORRI	Nestegg Energy Corporation 2308 Sierra Vista Rd. Artesia, NM 88210
Paul Slayton		1.87500000	ORRI	3507 63rd Dr, Lubbock, Texas 79413
Mark Wilson Family Partnership, LP		0.25000000	ORRI	Mark Wilson Family Partnership LP 4501 Green Tree Blvd Midland TX 79707-1607
Boling Enterprises, LTD		0.12500000	ORRI	Boling Enterprises LTD PO Box 2563 Roswell, NM 88201-2563
ML Boling Development LLC		0.12500000	ORRI	ML Boling Development LLC PO Box 1514 Roswell, NM 88202-1514
Totals	1.00000000	100.00000000		

Palmillo 21 State Com 324 API 30-015-45281**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	90.10416675	75.39027775	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561
ZPZ Delaware I, LLC	9.89583325	8.34062500		Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	12.50000000	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Yates Brothers	0.00000000	0.56423600	ORRI	Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394
Dominion Oklahoma Texas Exploration and Production, Inc	0.00000000	0.49913200	ORRI	Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309
Marathon Oil Company		0.29947925	ORRI	Marathon Oil Company 5555 San Felipe Houston, TX 77056
Nestegg Energy Corporation		0.03125000	ORRI	Nestegg Energy Corporation 2308 Sierra Vista Rd. Artesia, NM 88210
Paul Slayton		1.87500000	ORRI	3507 63rd Dr, Lubbock, Texas 79413
Mark Wilson Family Partnership, LP		0.25000000	ORRI	Mark Wilson Family Partnership LP 4501 Green Tree Blvd Midland TX 79707-1607
Boling Enterprises, LTD		0.12500000	ORRI	Boling Enterprises LTD PO Box 2563 Roswell, NM 88201-2563
ML Boling Development LLC		0.12500000	ORRI	ML Boling Development LLC PO Box 1514 Roswell, NM 88202-1514
Totals	1.00000000	100.00000000		

Palmillo 21 State Com 228 API 30-015-45280**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	80.20833350	68.03055550	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561
ZPZ Delaware I, LLC	19.79166650	16.68125000		Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	12.50000000	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Yates Brothers	0.00000000	1.12847200	ORRI	Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394
Dominion Oklahoma Texas Exploration and Production, Inc	0.00000000	0.99826400	ORRI	Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309
Marathon Oil Company		0.59895850	ORRI	Marathon Oil Company 5555 San Felipe Houston, TX 77056
Nestegg Energy Corporation		0.06250000	ORRI	Nestegg Energy Corporation 2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 21 State Com 325 API 30-015-45282**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	80.20833350	68.03055550	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561
ZPZ Delaware I, LLC	19.79166650	16.68125000		Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	12.50000000	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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Overriding Roalty Interest Owners

Yates Brothers	0.00000000	1.12847200	ORRI	Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394
Dominion Oklahoma Texas Exploration and Production, Inc	0.00000000	0.99826400	ORRI	Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309
Marathon Oil Company		0.59895850	ORRI	Marathon Oil Company 5555 San Felipe Houston, TX 77056
Nestegg Energy Corporation		0.06250000	ORRI	Nestegg Energy Corporation 2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Palmillo 21 State Com 326 API 30-015-45283**Working Interest Owners**

Owner	WI	NRI	Type	Address
Apache Corporation	80.20833350	68.03055550	WI	Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561
ZPZ Delaware I, LLC	19.79166650	16.68125000		Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland, Texas 79795-4561

Royalty Interest Owners

State of NM	0.00000000	12.50000000	RI	State of NM PO Box 1148 Santa Fe, NM 87504
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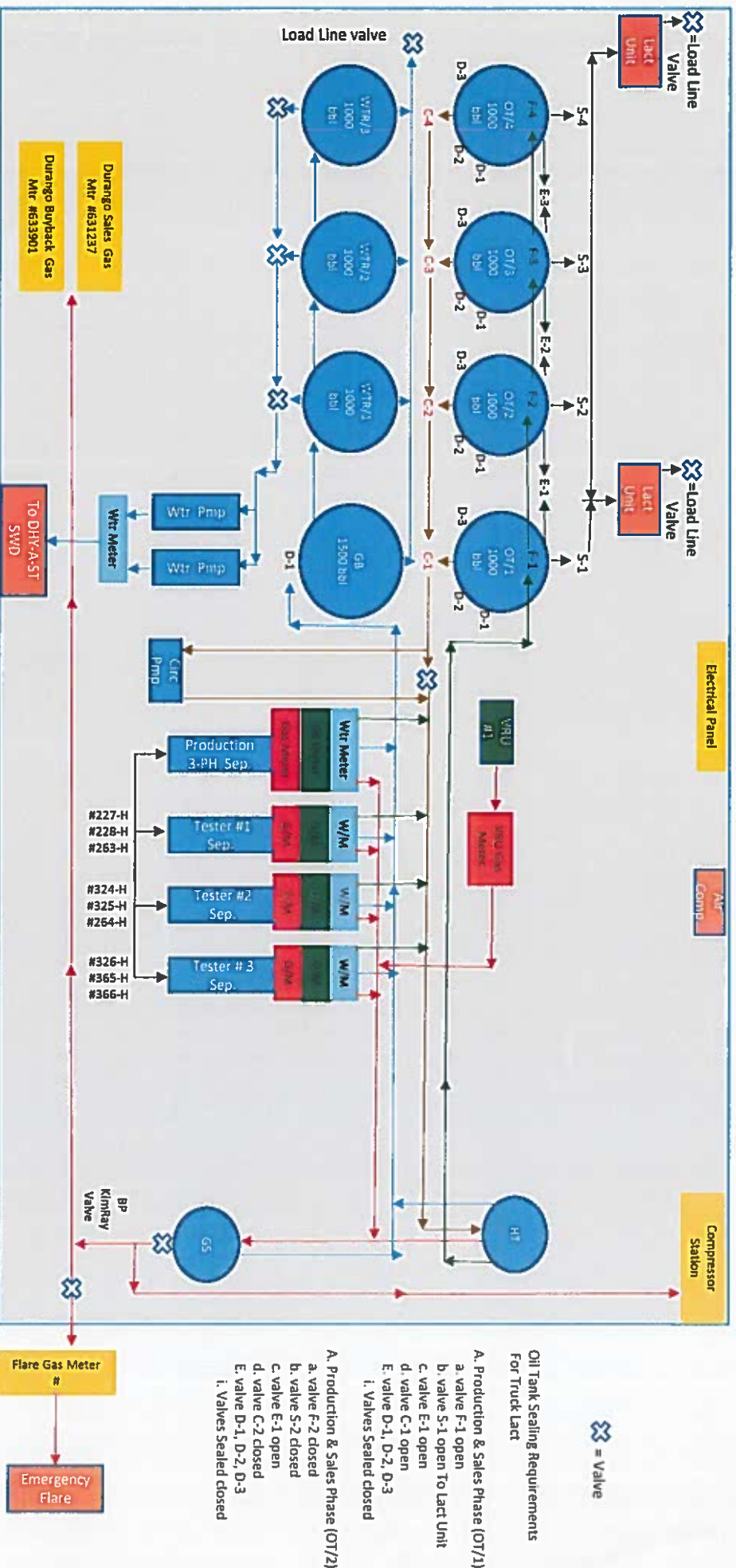
Overriding Roalty Interest Owners

Yates Brothers	0.00000000	1.12847200	ORRI	Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394
Dominion Oklahoma Texas Exploration and Production, Inc	0.00000000	0.99826400	ORRI	Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309
Marathon Oil Company		0.59895850	ORRI	Marathon Oil Company 5555 San Felipe Houston, TX 77056
Nestegg Energy Corporation		0.06250000	ORRI	Nestegg Energy Corporation 2308 Sierra Vista Rd. Artesia, NM 88210
Totals	1.00000000	100.00000000		

Owner Address	Certified number	date mailed
Apache Corporation	owner	na
ZPZ	owner	na
Paul Slayton, msu PO Box 2035 Roswell, NM 88201	7018 1830 0000 8642 3579	1/20/2020
Yates Brothers Partnership PO Box 1394 Artesia, NM 88211-1394	7014 0510 0000 1559 5342	1/20/2020
Dominion OK TX E&P 16800 Greensport Park Dr. Ste 300N Houston, Texas 77060-2309	7014 0510 0000 1559 5359	1/20/2020
Marathon Oil Company 5555 San Felipe Houston, TX 77056	7014 0510 0000 1559 5366	1/20/2020
Mark Wilson Family Partnership LP PO Box 2415 Midland TX 79702-2415	7014 01510 0000 1559 5373	1/20/2020
Boling Enterprises LTD PO Box 2563 Roswell, NM 88201	7014 0510 0000 1559 5380	1/20/2020
ML Boling Development LLC PO Box 2563 Roswell, NM 88201	7014 0510 0000 1559 5397	1/20/2020
Nestegg Energy Corporation 2308 Sierra Vista Rd Artesia, NM 88210	7014 0510 0000 1559 5403	1/20/2020
State of NM PO Box 1148 Santa Fe, NM 87504	7014 0510 0000 1559 5410	1/20/2020

State CTB/Comp. Station
Sec. 21, T19S, R28E
Lat. 32.652153, long. -104.188938

Apache Corp.
1945 Bluestem Rd.
Artesia, NM 88210
575-677-3642
Prod. Foreman
Javier Berdoza
Updated 9/17/19



Apache Corporation Palmito 21

State CTB/ Comp. Station

Sec. 21, T19S, R28E

Lat. 32.652153, Long. -104.188938

Equipment Inventory: Battery

Oil Tank MFG: Permian Lide, South Tank #1, Serial # F-60965

Oil Tank MFG: J&J Steel, Middle Tank #2, Serial # 15052

Oil Tank MFG: J&J Steel, Middle Tank #3, Serial # 15047

Oil Tank MFG: J&J Steel, North Tank #4, Serial # 15051

Gun Barrel Tank MFG: J&J Steel, Serial # 15053

Water Tank MFG: J&J Steel, South Tank #1, Serial # 15050

Water Tank MFG: J&J Steel, Middle Tank #2, Serial # 15048

Water Tank MFG: J&J Steel, North Tank #3, Serial # 15049

Circ. Pump MFG: Roper, Pump #1, Serial # G-890720

Wtr Pump MFG: Griswold/ Grundfos, Serial# 10000007/ 1810152078

Wtr Pump MFG: Griswold/ Grundfos, Serial# 10000006/ 1809242066

Electrical Gas Compressor MFG. : Boss 14G 1.43, VRU, Serial # 122879

Lact Unit MFG: Angus MS, North, Skid Serial # 7926

Lact Unit MFG: Smith, South, Skid Serial # 112156-A

Air Compressor: Ingersoll, Serial # CBV511575

Separator MFG: Global Vessel Tank, 96"x20', 3-Phase, Serial # NI-5182

Separator MFG: Global Vessel Tank, 72"x16' Tester #1, Serial # NI-5213

Separator MFG: GVL, 72"x16' Tester #2, Serial # NI-5205

Separator MFG: GVL, 72"x16' Tester #3, Serial # NI-5044

Separator MFG: Hi-Tech, Gas Scrubber 48"x 10', Serial # HTP-2041

Heater Treater MFG: Viking, Serial # 7600 , BTU/ hr 1 million

Flare MFG: Vaprox LLC, Serial # APAC-001 , Pilot BTU/Hr 10,000

Equipment Inventory: Compressor Station

Gas Compressor MFG: Pegasus, East-3508, Serial # 19-0410

Gas Compressor MFG: Pegasus, West-3508, Serial # 19-0411

Separator MFG: Hi-Tech, Suction G.S, Serial # HTP-2039

Separator MFG: Hi-Tech, Fuel Scrubber, Serial # HTP-1989

Delvy Manufacturer: Bold, Serial # / D038

300M BTU/HR Glycol Regen w/ 24"x 25' S/S 8T 1440#

Filter Separator: 12-3/4" x 7' S/S 1440# HZ & Spiral B-Tex

District I

1625 N. French Dr., Hobbs, NM 88240
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District IV

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT

Form C-102

OCT 03 2019

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☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45279	² Pool Code 97569	³ Pool Name Winchester Bone Spring West
⁴ Property Code 322494	⁵ Property Name PALMILO 21 STATE COM	
⁷ OGRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁶ Well Number 227H
		⁹ Elevation 3458'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	21	19S	28E		1715	NORTH	370	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	19S	28E		1886	NORTH	62	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 S 89°22'10" W 2595.92'

17 S 89°22'05" W 2597.71'

18 S 89°22'28" W 2606.19'

19 S 89°29'39" W 2605.65'

20 S 89°29'39" W 2605.65'

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99 S 89°29'39" W 2605.65'

100 S 89°29'39" W 2605.65'

17 OPERATOR CERTIFICATION

I hereby certify 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Alicia Fulton 9/30/2019
Signature Date

Alicia Fulton
Printed Name

alicia.fulton@apachecorp.com
E-mail Address

18 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.

8-21-18
Date of Survey

Jeffrey L. Fansler
Signature and Seal of Professional Surveyor

10034
Certificate Number

REV. 9/5/19: CHANGE KOP, PP/FTP & LTP
Job No.: LS1808998ADR

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Santa Fe, NM 87505

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Form C-102

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45280	2 Pool Code 97569	3 Pool Name Winchester; Bone Spring West
4 Property Code 322494	5 Property Name PALMILLO 21 STATE	6 Well Number 228H
7 OGRID NO. 873	8 Operator Name APACHE CORPORATION	9 Elevation 3472'

10 Surface Location

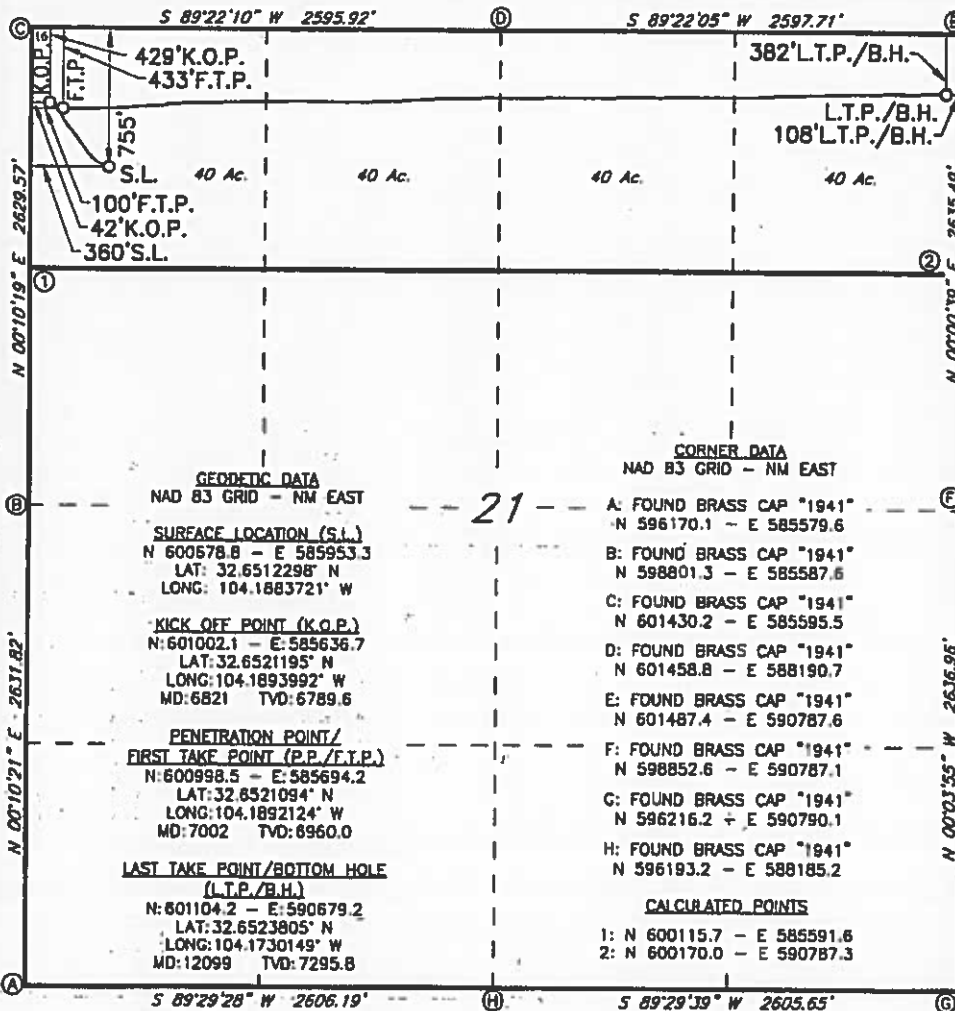
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	19S	28E		755	NORTH	360	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	19S	28E		382	NORTH	108	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION
I hereby certify 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Alicia Fulton Date: 8/15/2019
Printed Name: Alicia Fulton
Email Address: alicia.fulton@apachecorp.com

18 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.

Date of Survey: 8-21-18
Signature and Seal of Professional Surveyor: Jeffrey L. Fansler
Certificate Number: 10034
Job No.: LS1808999A02

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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

Revised August 1, 2011

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45281		² Pool Code 97569		³ Pool Name WINCHESTER, BONE SPRING, WEST	
⁴ Property Code 322494		⁵ Property Name PALMILLO 21 STATE COM			⁶ Well Number 324H
⁷ OGRID NO. 873		⁸ Operator Name APACHE CORPORATION			⁹ Elevation 3457'

¹⁰ Surface Location

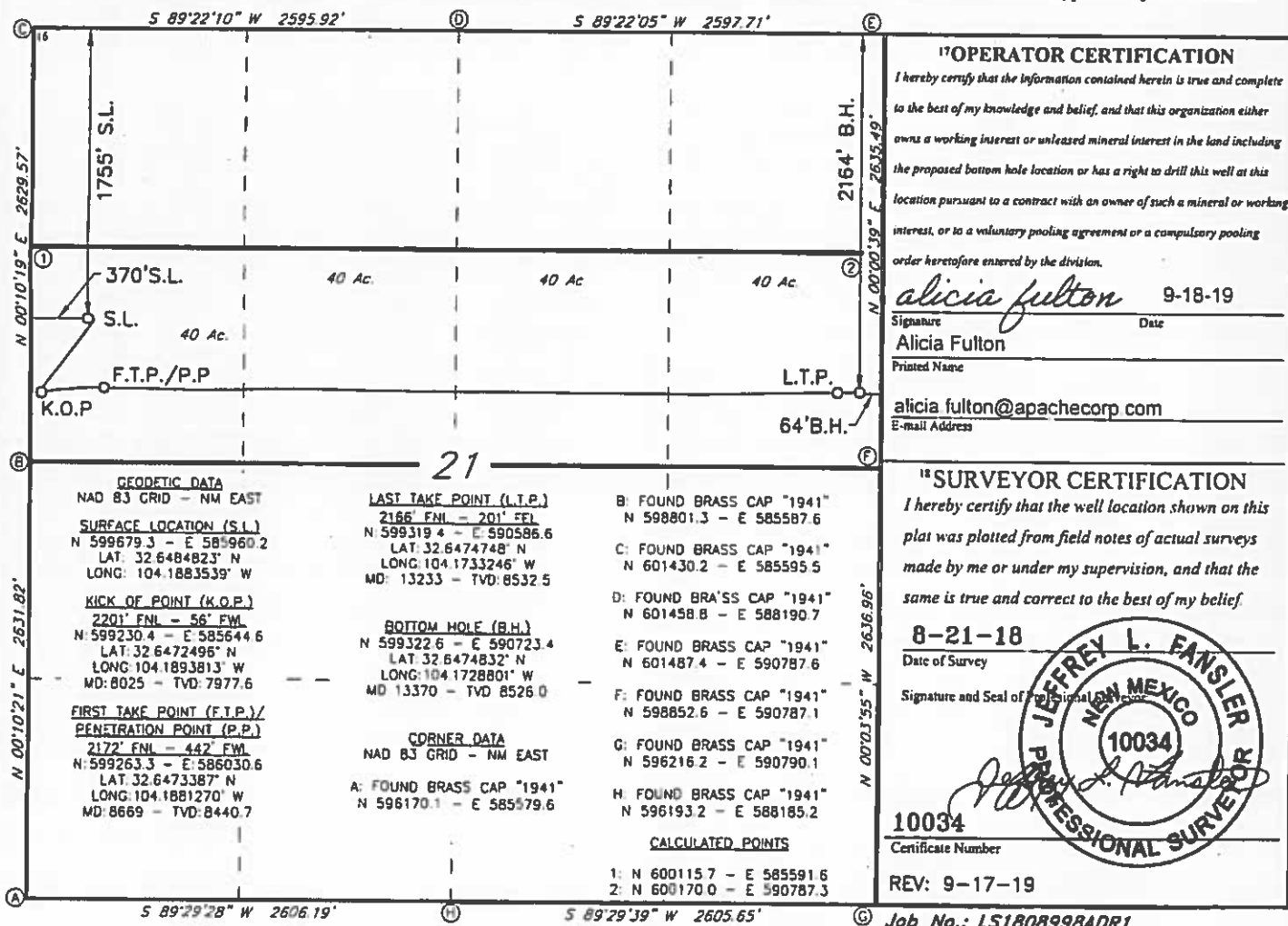
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
E	21	19S	28E		1755	NORTH	370	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	19S	28E		2164	NORTH	64	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
160			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



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Energy, Minerals & Natural Resources Department **ARTESIA DISTRICT** Revised August 1, 2011
OIL CONSERVATION DIVISION **OCT 15 2019** Submit one copy to appropriate District Office
1220 South St. Francis Dr.
Santa Fe, NM 87505
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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45282	² Pool Code 97569	³ Pool Name WINCHESTER, BONE SPRING, WEST
⁴ Property Code 322494	⁵ Property Name PALMILLO 21 STATE COM	⁶ Well Number 325H
⁷ GRID NO. 873	⁸ Operator Name APACHE COPORATION	⁹ Elevation 3458'

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	21	19S	28E		1675	NORTH	370	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	19S	28E		1241	NORTH	69	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

<p>17 OPERATOR CERTIFICATION I hereby certify 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <i>Alicia Fulton</i> Date: 10-2-2019 Printed Name: Alicia Fulton E-mail Address: alicia.fulton@apachecorp.com</p>		<p>18 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.</p> <p>Date of Survey: 02-14-2019 Signature and Seal of Professional Surveyor: <i>Jeffrey L. Fansler</i> 10034 Certificate Number: 10034 REV: 10-02-2019</p>	
---	--	--	--

Job No.: LS180899BADR2

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DISTRICT II ARTESIA AGCO

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45283	² Pool Code 97569	³ Pool Name WINCHESTER; BONE SPRING, WEST
⁴ Property Code 322494	⁵ Property Name PALMILLO 21 STATE COM	⁶ Well Number 328H
⁷ GRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁹ Elevation 3474'

¹⁰ Surface Location

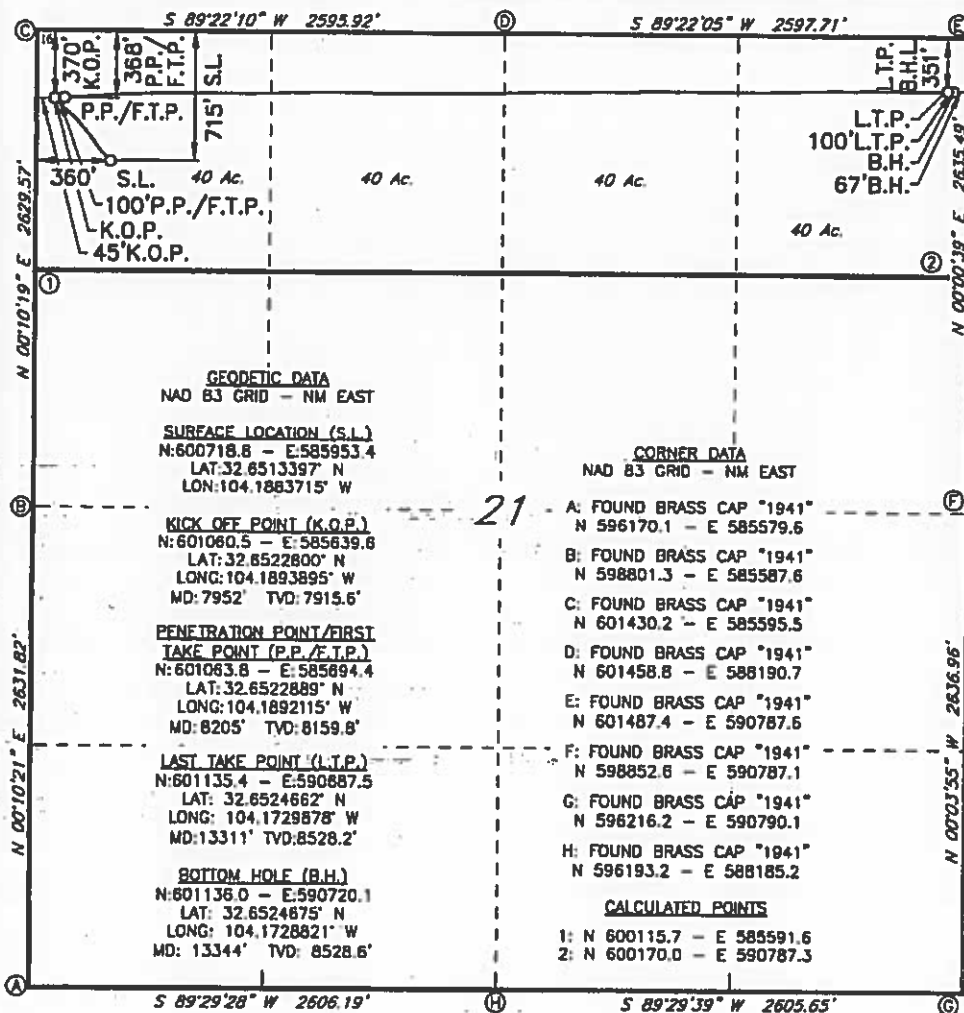
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
D	21	19S	28E		715	NORTH	360	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	19S	28E		351	NORTH	67	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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¹⁷ OPERATOR CERTIFICATION

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alicia fulton 8/15/2019
Signature Date

Alicia Fulton
Printed Name

alicia.fulton@apachecorp.com
E-mail Address

¹⁸ 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.

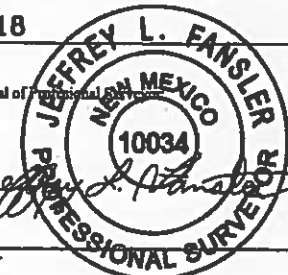
8-21-18
Date of Survey

Signature and Seal of Professional Surveyor

10034
Certificate Number

REVISED: 4/3/2018 AS-DRILLED

Job No.: LS1808999AD



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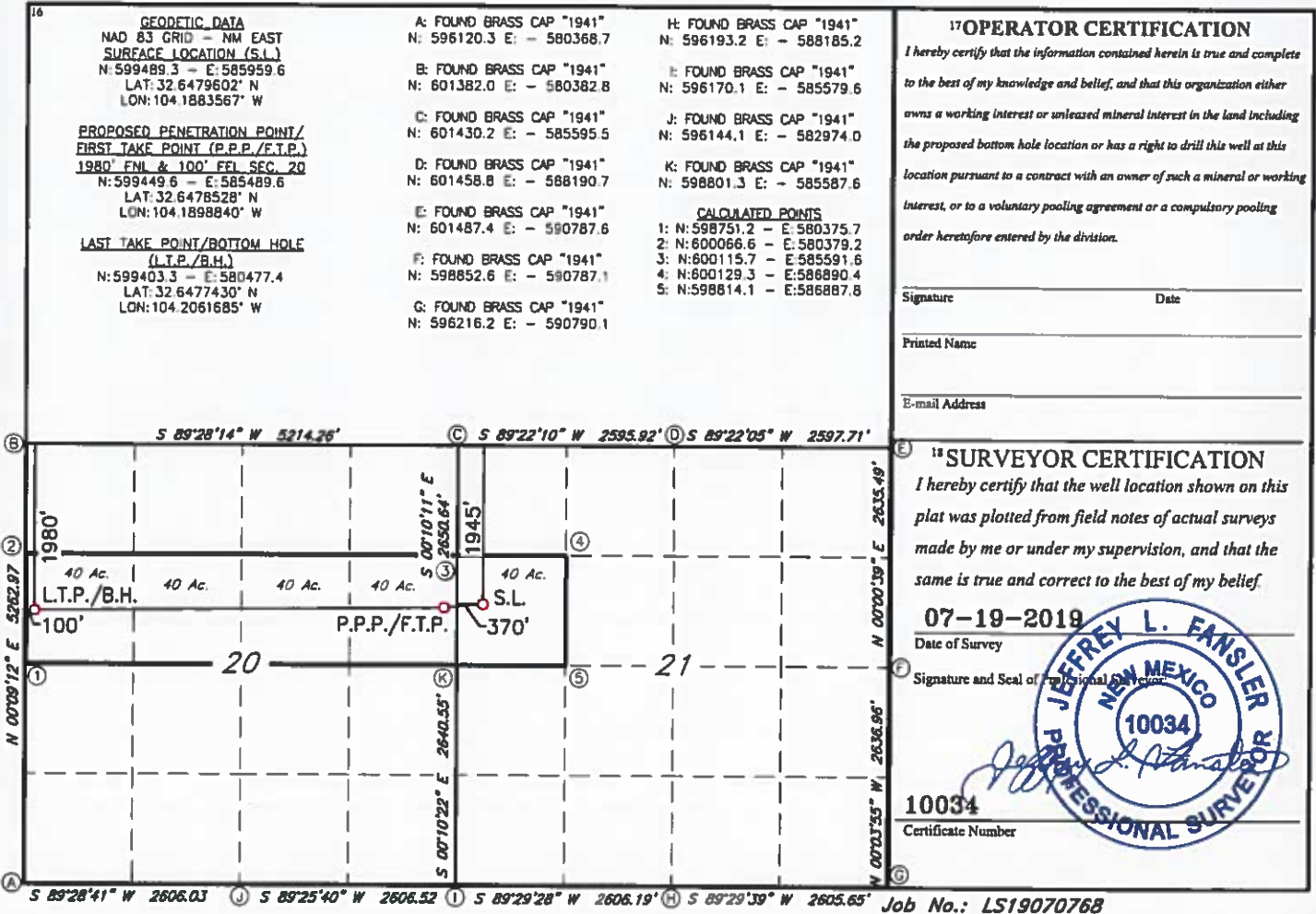
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name PALMILLO 20 STATE COM						6 Well Number 263H	
7 GRID NO.		8 Operator Name APACHE CORPORATION						9 Elevation 3459'	
10 Surface Location									
UL or lot no. E	Section 21	Township 19S	Range 28E	Lot Idn	Feet from the 1945	North/South line NORTH	Feet From the 370	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. E	Section 20	Township 19S	Range 28E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 100	East/West line WEST	County EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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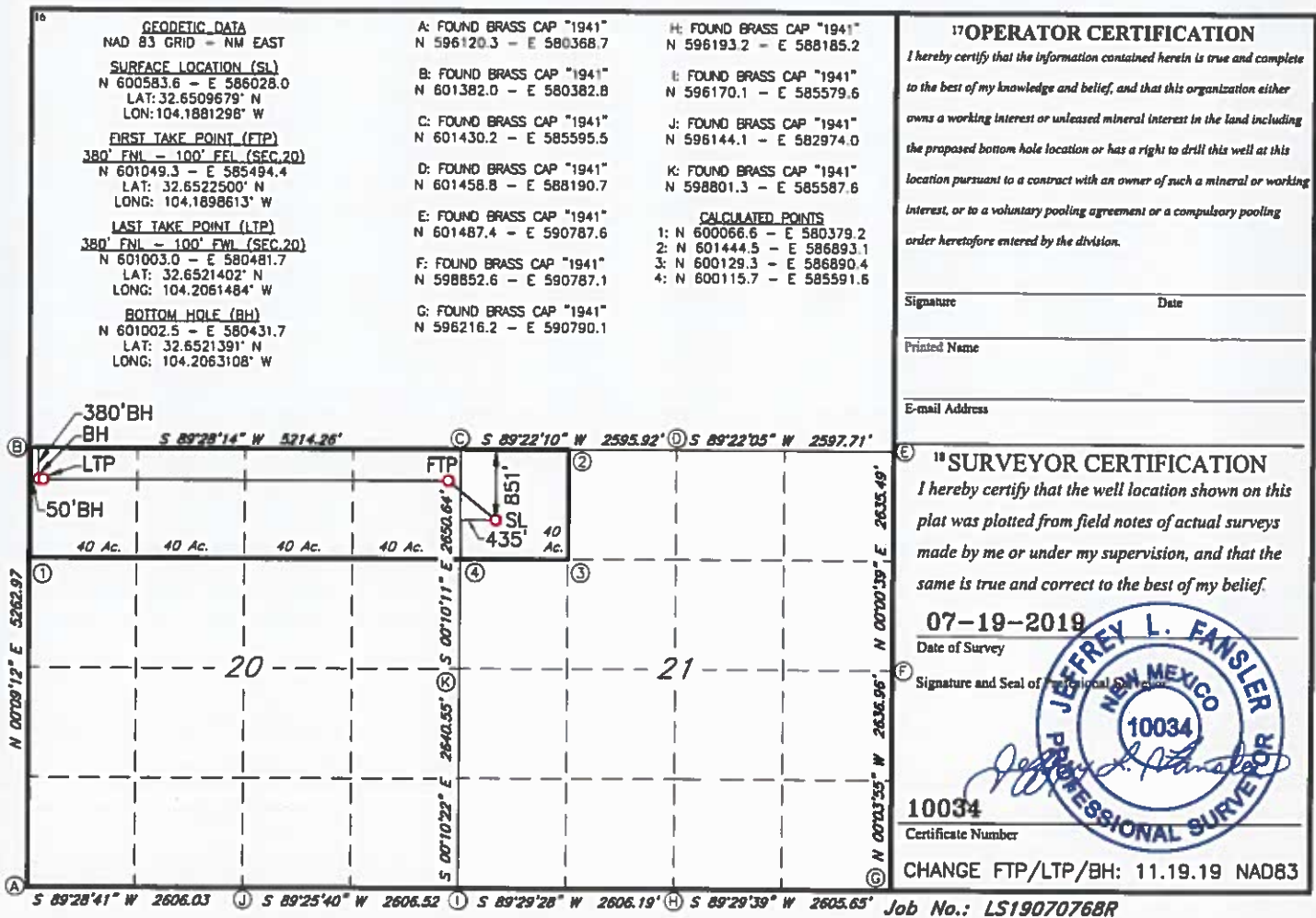
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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name PALMILLO 20 STATE COM						6 Well Number 264H	
7 OGRID NO.		8 Operator Name APACHE CORPORATION						9 Elevation 3473'	
10 Surface Location									
UL or lot no. D	Section 21	Township 19S	Range 28E	Lot Idn	Feet from the 851	North/South line NORTH	Feet from the 435	East/West line WEST	County EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 20	Township 19S	Range 28E	Lot Idn	Feet from the 380	North/South line NORTH	Feet from the 50	East/West line WEST	County EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name PALMILLO 20 STATE COM			6 Well Number 365H
7 GRID NO.		8 Operator Name APACHE CORPORATION			9 Elevation 3459'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	21	19S	28E		1905	NORTH	370	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	19S	28E		1905	NORTH	50	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------	--------------------	-----------------------	--------------

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

<p>16</p> <p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION (SL) N 599529.3 - E 585959.7 LAT: 32.6480701° N LONG: 104.1883561° W</p> <p>FIRST TAKE POINT (FTP) 1905' FNL - 100' FNL (SEC. 20) N 599524.6 - E 585489.8 LAT: 32.6480589° N LONG: 104.1898829° W</p> <p>LAST TAKE POINT (LTP) 1905' FNL - 100' FNL (SEC. 20) N 599478.3 - E 580477.6 LAT: 32.6479491° N LONG: 104.2061676° W</p> <p>BOTTOM HOLE (BH) N 599477.8 - E 580427.6 LAT: 32.6479480° N LONG: 104.2063300° W</p>		<p>A: FOUND BRASS CAP "1941" N 596120.3 - E 580368.7</p> <p>B: FOUND BRASS CAP "1941" N 601382.0 - E 580382.8</p> <p>C: FOUND BRASS CAP "1941" N 601430.2 - E 585595.5</p> <p>D: FOUND BRASS CAP "1941" N 601458.8 - E 588190.7</p> <p>E: FOUND BRASS CAP "1941" N 601487.4 - E 590787.6</p> <p>F: FOUND BRASS CAP "1941" N 598852.6 - E 590787.1</p> <p>G: FOUND BRASS CAP "1941" N 596216.2 - E 590790.1</p>		<p>H: FOUND BRASS CAP "1941" N 596193.2 - E 588185.2</p> <p>I: FOUND BRASS CAP "1941" N 596170.1 - E 585579.6</p> <p>J: FOUND BRASS CAP "1941" N 596144.1 - E 582974.0</p> <p>K: FOUND BRASS CAP "1941" N 598801.3 - E 585587.6</p> <p>CALCULATED POINTS 1: N 598751.2 - E 580375.7 2: N 600066.6 - E 580379.2 3: N 600115.7 - E 585591.6 4: N 600129.3 - E 586890.4 5: N 598814.1 - E 586887.8</p>		<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>	
<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <p>07-19-2019 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>10034 Certificate Number</p> <p>CHANGE FTP/LTP/BH: 11.19.19 NAD83</p>		<p>Job No.: LS19070768R</p>					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio 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

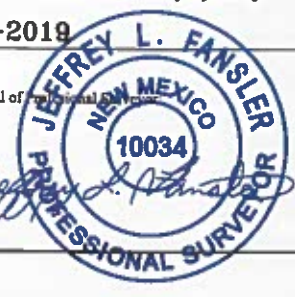
Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name PALMILLO 20 STATE COM						6 Well Number 366H	
7 GRID NO.		8 Operator Name APACHE CORPORATION						9 Elevation 3473'	
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	19S	28E		831	NORTH	435	WEST	EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	19S	28E		330	NORTH	100	WEST	EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (S.L.) N: 600603.6 E: 586028.0 LAT: 32.6510228° N LON: 104.1881296° W PROPOSED PENETRATION POINT/ FIRST TAKE POINT (P.P.P./F.T.P.) 330' FTL & 100' FTL SEC. 20 N: 601099.3 E: 585494.6 LAT: 32.6523874° N LON: 104.1898606° W LAST TAKE POINT/BOTTOM HOLE (L.T.P./B.H.) N: 601053.0 E: 580481.9 LAT: 32.6522776° N LON: 104.2061478° W		A: FOUND BRASS CAP "1941" N: 596120.3 E: - 580368.7 B: FOUND BRASS CAP "1941" N: 601382.0 E: - 580382.8 C: FOUND BRASS CAP "1941" N: 601430.2 E: - 585595.5 D: FOUND BRASS CAP "1941" N: 601458.8 E: - 588190.7 E: FOUND BRASS CAP "1941" N: 601487.4 E: - 590787.6 F: FOUND BRASS CAP "1941" N: 598852.6 E: - 590787.1 G: FOUND BRASS CAP "1941" N: 596216.2 E: - 590790.1		H: FOUND BRASS CAP "1941" N: 596193.2 E: - 588185.2 I: FOUND BRASS CAP "1941" N: 596170.1 E: - 585579.6 J: FOUND BRASS CAP "1941" N: 596144.1 E: - 582974.0 K: FOUND BRASS CAP "1941" N: 598801.3 E: - 585587.6 17 OPERATOR CERTIFICATION I hereby certify 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 pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____	
18 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. 07-19-2019 Date of Survey Signature and Seal of Professional Surveyor  10034 Certificate Number Job No.: LS19070768					