

RECEIVED: <u>8/29/2018</u>	REVIEWER: <u>MAm</u>	TYPE: <u>CTB</u>	APP NO: <u>PMAM 182.41 42213</u>
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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 14-15 STATE **API:** VARIOUS
Pool: PALMILLO;BONE SPRINGS SW **Pool Code:** 96413

**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 holdersB. ☒ Royalty, overriding royalty owners, revenue ownersC. ☐ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☐ Notification and/or concurrent approval by BLMF. ☐ Surface ownerG. ☐ 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

8-27-18
Date432-818-1088

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

Form C-107-B
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 S. St Francis Drive
Santa Fe, New Mexico 87505

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
BONE SPRING SW 96413					

- (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.
(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: 8-27-18

TYPE OR PRINT NAME ALICIA FULTON TELEPHONE NO.: 432-818-1088

E-MAIL ADDRESS: alicia.fulton@apachecorp.com



August 27, 2018

New Mexico Oil Conservation Division
Attn: Mike McMillan
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Application for Surface Commingling
Palmillo 14-15 #2H, #3H, #301H, #205H, #206H, #207, and #208H
Sections 14 and 15, Township 19 South, Range 28 East
Eddy County, New Mexico

Ladies and Gentlemen:

Apache hereby requests for surface commingling under State of New Mexico leases X0-648 and E0-5003 as it pertains to the following described lands:

Township 19 South, Range 28 East
Sections 14 and 15: All
Eddy County, New Mexico

The royalty ownership is identical across the sections; however, the working interest and overriding royalty interests differs slightly across the sections. A spreadsheet showing the ownership between the two sections is attached as Exhibit A to this letter.

A voluntary agreement (Joint Operating Agreement dated March 26, 2014) evidences the consent by all parties; additionally, notice has been provided to all interest owners of this application for surface commingling.

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.

If you have any questions, please contact me via email at laci.stretcher@apachecorp.com or telephone at 432-818-1846.

Sincerely,

A handwritten signature in cursive script that reads "Laci Stretcher".

Laci Stretcher
Landman

Exhibit A

WELLS FOR SURFACE COMMINGLING

API	WELL		UL	Section	Township	Range	dedicated acreage	Comments
30-015-44043	PALMILLO 14 15 STATE							
30-015-44045	PALMILLO 14 15 STATE	#002H	P	15	19S	28E	160	SHL in Sec. 15, but producing out of 14
30-015-44040	PALMILLO 14 15 STATE	#003H	H	15	19S	28E	160	SHL in Sec. 15, but producing out of 14
	PALMILLO 14 15 STATE	#301H	P	15	19S	28E	160	SHL in Sec. 15, but producing out of 14
30-015-44667	PALMILLO 14 15 STATE	#205H	M	14	19S	28E	160	SHL in Sec. 14, but producing out of 15
30-015-44675	PALMILLO 14 15 STATE	#206H	L	14	19S	28E	160	SHL in Sec. 14, but producing out of 15
30-015-44668	PALMILLO 14 15 STATE	#207H	E	14	19S	28E	160	SHL in Sec. 14, but producing out of 15
30-015-44669	PALMILLO 14 15 STATE COM	#208H	D	14	19S	28E	160	SHL in Sec. 14, but producing out of 15

Palmillo 14-15 State #2H, #3H, and 301H

Interest Type	Owner	Interest
Working Interest	Apache Corporation/ZPZ Delaware (Operator)	0.84027780
	Penroc Oil Corporation	0.15972220
Royalty Interest	Apache Corporation/ZPZ Delaware (Operator)	0.71142361
	Penroc Oil Corporation	0.11979167
	State of New Mexico	0.12500000
Overriding Royalty	Marathon Oil Company	0.01996528
	Yates Brothers Partnership	0.02256944
	Nestegg Energy Corporation	0.00125

Palmillo 14-15 State #205H, #206H, #207H, #208H

Interest Type	Owner	Interest
Working Interest	Apache Corporation/ZPZ Delaware (Operator)	0.92013889
	Marathon Oil Company	0.07986111
Royalty Interest	Apache Corporation/ZPZ Delaware (Operator)	0.76058680
	Penroc Oil Corporation	0.06925347
	State of New Mexico	0.12500000
Overriding Royalty	Marathon Oil Company	0.00998264
	Yates Brothers Partnership	0.02256945
	Nestegg Energy Corporation	0.002625
	Khody Land & Minerals Company	0.00998264

Exhibit A

Palmillo 14-15 Surface Commingle

Interest Type	Company Name	Address	Certified Number	Mailed out
Royalty	State of New Mexico	P O Box 1148, Santa Fe, NM 87504-1148	9590 9403 0449 5169 2870 11	
Working Interest	Apache Corporation/ZPZ ZPZ DELAWARE I LLC (OPERATOR)	303 Veterans Airpark Ln., Ste. 1000 Midland, TX 79705	operator	8/27/2018
	Penroc Oil Corporation	P O Box 2759, Hobbs, NM 88241- 2769	9590 9403 0449 5169 2880 18	8/27/2018
	Marathon Oil Company	5555 San Felipe, Houston, TX 77056-2701	9590 9403 0449 5169 2869 77	8/27/2018
				8/27/2018
Overriding Royalty Owners	Yates Brothers Partnership	P O Box 1394, Artesia, NM 88211- 1394	9590 9403 0449 5169 2869 84	8/27/2018
	Nestegg Energy Company	2308 Sierra Vista Road, Artesia, NM 88210-9409	9590 9403 0449 5169 2869 91	8/27/2018
	Khody Land & Minerals Company	210 Park Avenue, Ste 900, Oklahoma City, OK 73102-5643	9590 9403 0449 5169 2870 04	8/27/2018



8/27/2018

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

RE: Request for Administrative Surface Commingling Authority
Palmillo 14-15 State Battery
Eddy County, New Mexico

Director Riley:

Apache respectfully requests administrative approval to surface commingle at the Palmillo 14-15 State Battery.

Proposal:

Apache proposes to allocate production between the following wells based on frequent and periodic well tests:

• Palmillo 14-15 State 2H	API: 30-015-44043
• Palmillo 14-15 State 3H	API: 30-015-44045
• Palmillo 14-15 State 301H	API: 30-015-44040
• Palmillo 14-15 State 205H	API: 30-015-44667
• Palmillo 14-15 State 206H	API: 30-015-44675
• Palmillo 14-15 State 207H	API: 30-015-44668
• Palmillo 14-15 State 208H	API: 30-015-44669

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.

Measurement:

The Palmillo 14-15 State central tank battery is located in Sec 14, T19S, R29E. The existing Palmillo 14-15 State 2H, 3H, and 301H production will flow through two dedicated vessels. A three phase metering separator (to test cumulative production) or a three phase metering tester (to test wells individually) will be utilized to test each well's production separately to fairly allocate oil and gas production on a pro-rata share. Wells will be rotated through the metering tester a regular basis. The aforementioned separator and tester will be equipped with a vortex meter for oil measurement, magnetic flow meter for water measurement, and a differential pressure/orifice plate meter for gas measurement. VRU gas

volumes will be measured with a differential pressure/orifice plate meter and volumes will be allocated back to each well utilizing a percentage of each wells monthly oil production.

The new Palmillo 14-15 State 208H, 207H, 206H, and 205H wells' production will flow through dedicated three phase test separators. The testers will be equipped with a vortex meter for oil measurement, magnetic flow meter for water measurement, and a differential pressure/orifice plate meter for gas measurement. VRU gas volumes will be measured with a differential pressure/orifice plate meter and volumes will be allocated back to each well utilizing a percentage of each wells monthly oil production.

Please find the proposed Facility layout attached.

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 than the last name "Cummings".

David Cummings
Production Engineer
Permian Region

Enclosure / Enclosures (1)

Palmillo 14-15 #2H 30-015-44043

Monthly			
Date	Oil	Gas	Water
Sep-17	7,813	8,818	27,273
Oct-17	28,939	39,016	34,872
Nov-17	27,626	58,847	36,094
Dec-17	22,483	78,710	38,407
Jan-18	16,786	66,914	30,556
Feb-18	12,743	51,416	22,506
Mar-18	12,217	58,531	23,157
Apr-18	10,204	57,529	21,639
May-18	9,598	58,907	23,458
Jun-18	8,182	53,699	20,057
Jul-18	7,474	48,374	17,847

156,134 522,343

Palmillo 14-15 State 3H 30-015-44045

Monthly			
Date	Oil	Gas	Water
Sep-17	7,432	8,941	24,841
Oct-17	14,557	34,427	36,625
Nov-17	8,885	31,352	25,429
Dec-17	8,105	35,287	27,683
Jan-18	6,701	34,234	25,305
Feb-18	5,051	27,878	19,330
Mar-18	4,848	30,089	19,156
Apr-18	4,167	29,562	17,373
May-18	3,966	28,488	18,079
Jun-18	3,359	26,139	15,901
Jul-18	3,160	24,819	14,703

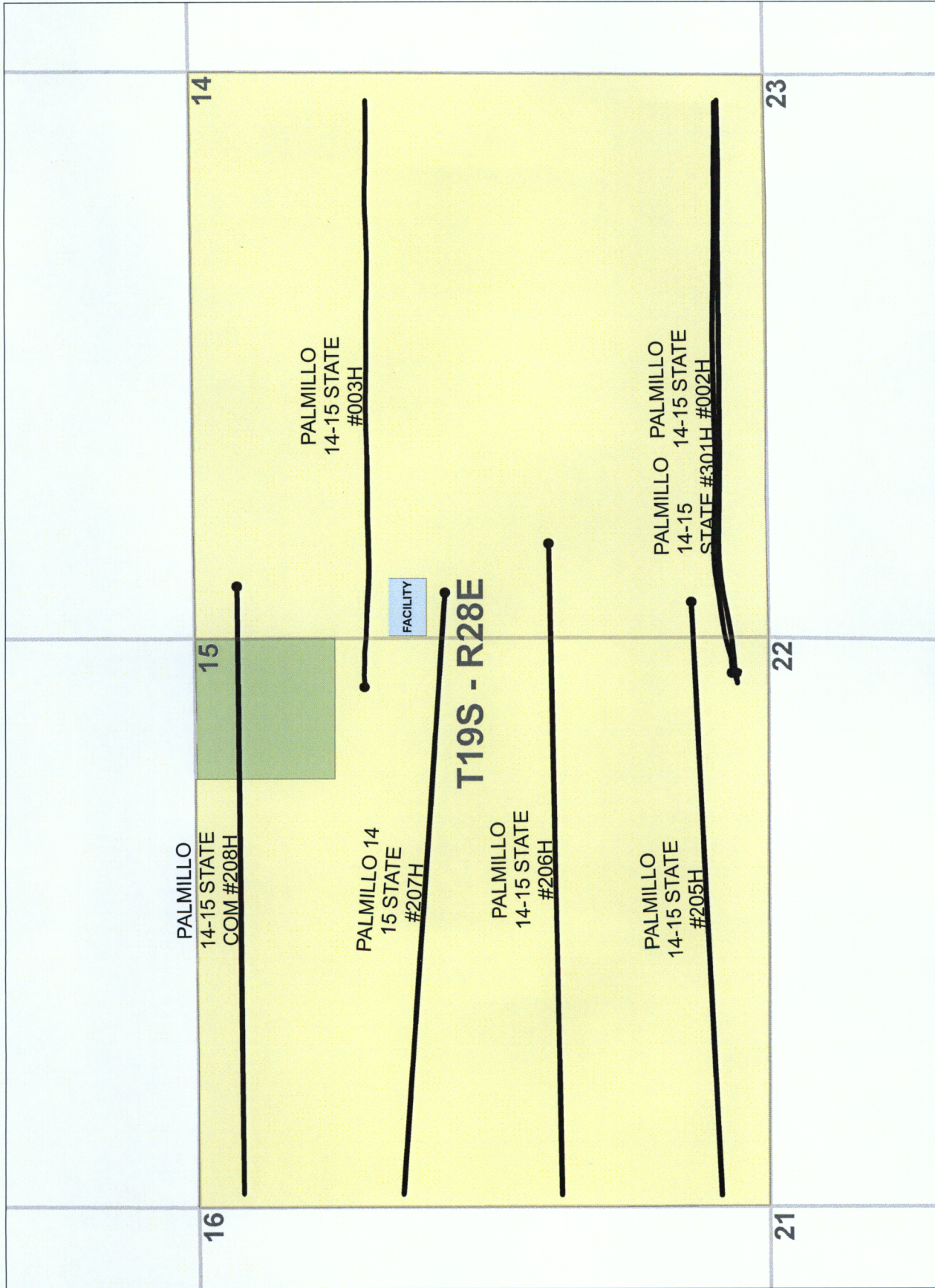
67,047 280,406

Palmillo 14-15 State 301 30-015-44040

Monthly			
Date	Oil	Gas	Water
Sep-17	14,720	19,760	34,246
Oct-17	20,192	35,007	34,879
Nov-17	17,478	37,186	29,373
Dec-17	18,206	51,966	34,829
Jan-18	13,705	41,509	23,219
Feb-18	11,076	39,711	21,707
Mar-18	10,334	41,612	20,005
Apr-18	8,770	32,346	16,062
May-18	8,399	35,483	17,121
Jun-18	7,112	34,190	16,026
Jul-18	6,764	33,189	15,617

124,284

362,514



PALMILLO 14-15 WELLS EDDY COUNTY, NEW MEXICO	
DATE: 8/27/2018 PREPARED BY: L. STRETCHER	LEGEND State of NM XG-648 State of NM EO-5003-3 Palmillico 14-15 Facility Pad

Base Map Information

Map Date: 8/27/2018
 Map Data: 8/27/2018
 Coordinate System: NAD 83
 Datum: North American 1983
 Spheroid: GRS 80
 Prime Meridian: Greenwich
 Units: Feet
 Scale Factor: 1.000000
 False Easting: 316808.54
 False Northing: 9798438.26
 Units: Feet US

1 in = 328 ft
 1 in = 0.0001 miles

Scale: 0 500 1000 1500 2000 feet
 0 0.5 1 1.5 2 miles

Apache
 PERMAN OFFICE
 303 Veterans Airpark Ln #600
 Midland, TX 79705
 Phone: (432) 818-1000

CONFIDENTIAL FOR INTERNAL USE ONLY

Apache Corporation
 Palmillo 14-15
 State 3 Battery
 Sec. 14, T19S, R28E
 Lat. 32.6628252, Long. -104.1551865

Apache Corp.
 1945 Bluestem Rd.
 Artesia, NM 88210
 575-677-3642
 Prod. Foreman
 Javier Berdoza
 Updated 8/20/18

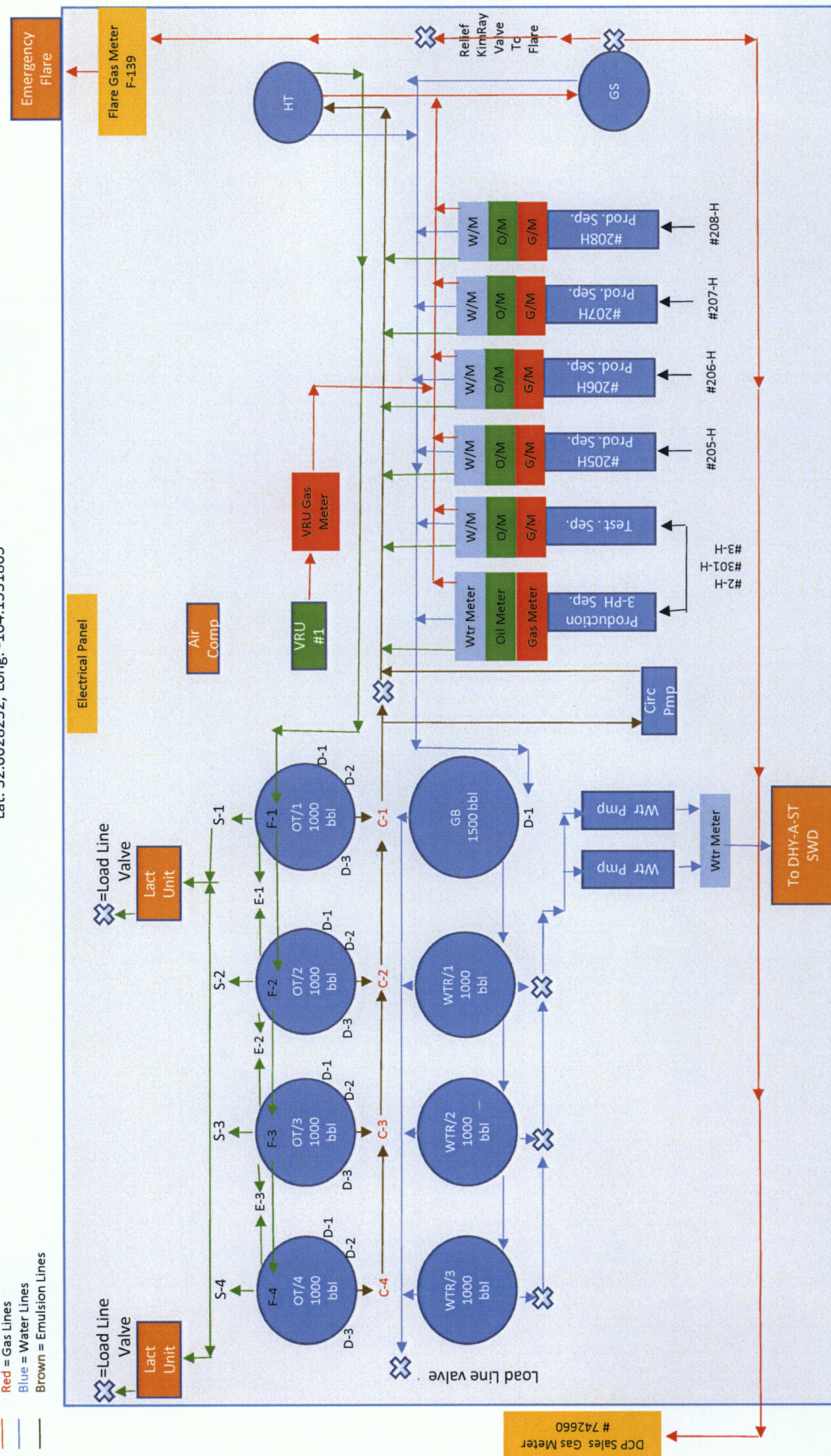
Green = Oil Lines
 Red = Gas Lines
 Blue = Water Lines
 Brown = Emulsion Lines

⊗ = Valve

Oil Tank Sealing Requirements
 For Truck Lact

- A. Production & Sales Phase (OT/1)
- a. valve F-1 open
 - b. valve S-1 open To Lact Unit
 - c. valve E-1 open
 - d. valve C-1 open
 - E. valve D-1, D-2, D-3
 - i. Valves Sealed closed

- A. Production & Sales Phase (OT/2)
- a. valve F-2 closed
 - b. valve S-2 closed
 - c. valve E-1 open
 - d. valve C-2 closed
 - E. valve D-1, D-2, D-3
 - i. Valves Sealed closed



DCP Sales Gas Meter # 742660

Apache Corporation
Palmillo 14-15
State 3 Battery
Sec. 14, T19S, R28E
Lat. 32.6628252, Long. -104.1551865

Equipment Inventory:

Oil Tank Manufacturer: Long Industries, East Tank #1, Serial # 5-17-019-TK-6
Oil Tank Manufacturer: Long Industries, Middle Tank #2, Serial # 5-17-019-TK-7
Oil Tank Manufacturer: Petrosmith, Middle Tank #3, Serial # T-14694
Oil Tank Manufacturer: Petrosmith, West Tank #4, Serial # T-15158
Gun Barrel Tank Manufacturer: Petrosmith, Serial # T-12746
Water Tank Manufacturer: Long Industries, East Tank #1, Serial # 5-17-019-TK-4
Water Tank Manufacturer: Long Industries, Middle Tank #2, Serial # 5-17-019-TK-5
Water Tank Manufacturer: Petrosmith, West Tank #3, Serial # T-14692

Circ. Pump Manufacturer: Roper, Pump #1, Serial # G-890720
Water Middle Pump Manufacturer: Griswold, Pump# 1, Serial # 0040202851
Water East Pump Manufacturer: Griswold, Pump# 2, Serial # 0040202849

Electrical Gas Compressor Manufacturer: WTC, VRU, Serial # 2116-V
Lact Unit Manufacturer: Smith, Skid Serial # 9852-2
Lact Unit Manufacturer: Smith, Skid Serial # 8868-3
Air Compressor: Ingersoll, Serial # CBV511575

Separator Manufacturer: Dragon, Prod 3-Phase, Serial # 112681
Separator Manufacturer: Dragon, Tester, Serial # 161414
Separator Manufacturer: Dragon, #205H, Serial # 161413
Separator Manufacturer: Dragon, #206H, Serial # 161415
Separator Manufacturer: Long Industries, #207H, Serial # 6-17-068-003
Separator Manufacturer: Long Industries, #208H, Serial # 6-17-068-004
Separator Manufacturer: Long Industries, Gas Scrubber, Serial # 6-17-011-006

Heater Treater Manufacturer: Dragon, Serial # 161311, BTU/ hr 750,000

Flare Manufacturer: Vaprox LLC, Serial # APAC-0006, Pilot BTU/Hr 10,000

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 30-015-44043	² Pool Code [96413]	³ Pool Name PALMILLO; BONE SPRING, SW
⁴ Property Code 317303	⁵ Property Name PALMILLO 14-15 STATE	⁶ Well Number 2H
⁷ GRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁹ Elevation 3420'

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
P	15	19S	28E		285	SOUTH	315	EAST	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
P	14	19S	28E		414	SOUTH	303	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 GEODEIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 601823.5 - E 595664.4 LAT: 32.65433581° N LONG: 104.15681365° W LAT: 32°39'15.6090" N LONG: 104°09'24.5287" W FIRST TAKE POINT (FTP) N 601904.6 - E 59609.5 LAT: 32.65455692° N LONG: 104.15546439° W LAT: 32°39'16.4049" N LONG: 104°08'19.6718" W MD = 7,478.84 / TVD = 7,295.78 LAST TAKE POINT (LTP) N 601992.4 - E 600843.4 LAT: 32.65477469° N LONG: 104.140117423° W LAT: 32°39'17.1888" N LONG: 104°08'24.4230" W MD = 12,273.00 / TVD = 7,577.09 BOTTOM HOLE (BH) N 601992.8 - E 600870.3 LAT: 32.65477625° N LONG: 104.13989753° W LAT: 32°39'17.1945" N LONG: 104°08'23.6311" W MD = 12,300.00 / TVD = 7,579.92	CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 601490.9 - E: 590784.7 B: FOUND BRASS CAP "1941" N: 604123.9 - E: 590793.8 C: FOUND BRASS CAP "1941" N: 606760.7 - E: 590803.6 D: FOUND BRASS CAP "1941" N: 606789.4 - E: 593397.1 E: FOUND BRASS CAP "1941" N: 606818.7 - E: 595990.2 F: FOUND BRASS CAP "1941" N: 606841.1 - E: 598587.0 G: FOUND BRASS CAP "1941" N: 606864.1 - E: 601184.5 H: FOUND BRASS CAP "1941" N: 604231.2 - E: 601178.6 I: FOUND BRASS CAP "1941" N: 601581.1 - E: 601172.6 J: FOUND BRASS CAP "1941" N: 601560.4 - E: 598576.1 K: FOUND BRASS CAP "1941" N: 601541.3 - E: 595978.7 L: FOUND BRASS CAP "1941" N: 601517.7 - E: 593384.1 1: CALCULATED POINT N: 601529.5 - E: 594681.4 2: CALCULATED POINT N: 602847.7 - E: 594684.5 3: CALCULATED POINT N: 602859.5 - E: 595981.6 4: CALCULATED POINT N: 602906.2 - E: 601175.6	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. <i>Emily Folis</i> 9/4/17 Signature Date Printed Name emily.folis@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. 11-30-2016 Date of Survey Signature and Seal of Professional Surveyor <i>Robert M. Howett</i> 19680 Certificate Number 6/26/17 AS DRILL RRC - Job No.: LS1611379

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
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Phone: (575) 748-1283 Fax: (575) 748-9720
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Phone: (505) 334-6178 Fax: (505) 334-6170
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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 30-015-44045	² Pool Code [96413]	³ Pool Name PALMILLO; BONE SPRING, SW
⁴ Property Code 317303	⁵ Property Name PALMILLO 14-15 STATE	
⁷ GRID NO. 873	⁸ Operator Name APACHE CORPORATION	⁶ Well Number 3H
		⁹ Elevation 3462'

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
H	15	19S	28E		1600	NORTH	450	EAST	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	14	19S	28E		1656	NORTH	292	EAST	EDDY

¹² Dedicated Acres 160	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 N: 605213.9 - E: 595536.8 LAT: 32° 66' 36.55" N LONG: 104° 15' 20.99" W LAT: 32° 39' 49.1598" N LONG: 104° 09' 25.9557" W FIRST TAKE POINT (FTP) N: 605197.3 - E: 596086.7 LAT: 32° 66' 36.075" N LONG: 104° 15' 54.232" W LAT: 32° 39' 48.9870" N LONG: 104° 09' 19.5234" W MD = 7,613.45 / TVD = 7,335.06 LAST TAKE POINT (LTP) N: 605205.3 - E: 600850.9 LAT: 32° 66' 36.236" N LONG: 104° 13' 99.416" W LAT: 32° 39' 48.0451" N LONG: 104° 08' 23.7899" W MD = 12,385.00 / TVD = 7,522.38 BOTTOM HOLE (BH) N: 601974.1 - E: 600870.3 LAT: 32° 66' 36.083" N LONG: 104° 13' 98.184" W LAT: 32° 39' 48.9897" N LONG: 104° 08' 23.3461" W MD = 12,423.00 / TVD = 7,524.70	CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 601490.9 - E: 590784.7 B: FOUND BRASS CAP "1941" N: 604123.9 - E: 590793.8 C: FOUND BRASS CAP "1941" N: 606760.7 - E: 590803.6 D: FOUND BRASS CAP "1941" N: 606789.4 - E: 593397.1 E: FOUND BRASS CAP "1941" N: 606818.7 - E: 595990.2 F: FOUND BRASS CAP "1941" N: 606841.1 - E: 598587.0 G: FOUND BRASS CAP "1941" N: 606864.1 - E: 601184.5 H: FOUND BRASS CAP "1941" N: 604231.2 - E: 601178.6	CORNER DATA NAD 83 GRID - NM EAST I: FOUND BRASS CAP "1941" N: 601581.1 - E: 601172.6 J: FOUND BRASS CAP "1941" N: 601560.4 - E: 598576.1 K: FOUND BRASS CAP "1941" N: 601541.3 - E: 595978.7 L: FOUND BRASS CAP "1941" N: 601517.7 - E: 593384.1 1: CALCULATED POINT N: 604186.0 - E: 594687.6 2: CALCULATED POINT N: 605485.0 - E: 594690.6 3: CALCULATED POINT N: 605499.4 - E: 595987.4 4: CALCULATED POINT N: 605547.6 - E: 601181.5 5: CALCULATED POINT N: 604180.0 - E: 595984.5	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 district. Signature: <i>Emily Follis</i> Date: <i>9/6/17</i> Printed Name: Emily Follis E-mail Address: emily.follis@apachcorp.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. 8-01-2017 Date of Survey Signature and Seal of ROBERT M. HOWETT 19880 Certificate Number 8/02/17 AS DRILL

RRC - Job No.:

LS1611381AD

District I
1625 N. Pecos Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
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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

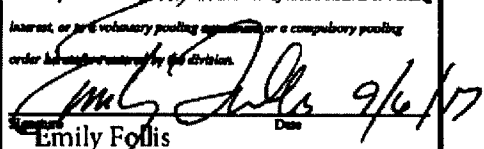
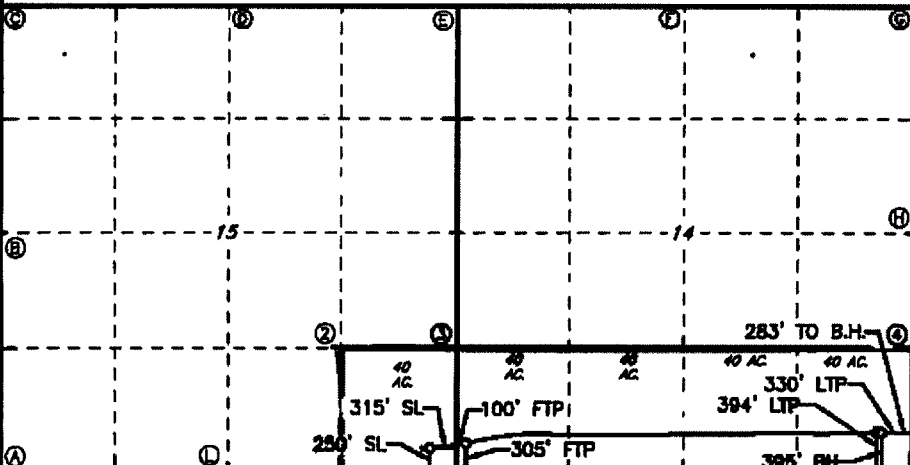
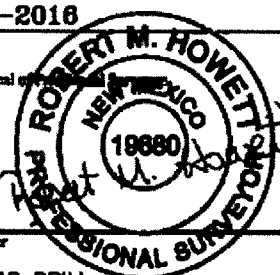
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44040		² Pool Code [96413]		³ Pool Name PALMILLO; BONE SPRING, SW	
⁴ Property Code 317303		⁵ Property Name PALMILLO 14-15 STATE			⁶ Well Number 301H
⁷ GRID NO. 873		⁸ Operator Name APACHE CORPORATION			⁹ Elevation 3420'
¹⁰ Surface Location					
UL or lot no. P	Section 15	Township 19S	Range 28E	Lot Idn	Feet from the 250
					North/South line SOUTH
					Feet from the 315
					East/West line EAST
					County EDDY
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. P	Section 14	Township 19S	Range 28E	Lot Idn	Feet from the 395
					North/South line SOUTH
					Feet from the 283
					East/West line EAST
					County EDDY
¹² Dedicated Acres 160		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 GEODEIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 801788.4 - E 595684.3 LAT: 32.6542394° N LONG: 104.1588139° W LAT: 32°39'15.2818" N LONG: 104°09'24.5302" W FIRST TAKE POINT (FTP) N 601847.0 - E 598078.4 LAT: 32.6543986° N LONG: 104.1554851° W LAT: 32°39'15.8351" N LONG: 104°09'19.8744" W MD = 8,756.46 / TVD = 8,472.38 LAST TAKE POINT (LTP) N 601872.7 - E 600843.7 LAT: 32.6547212° N LONG: 104.1389841° W LAT: 32°39'18.9962" N LONG: 104°08'23.9427" W MD = 13,534.00 / TVD = 8,653.28 BOTTOM HOLE (BH) N 601874.1 - E 600870.3 LAT: 32.6547245° N LONG: 104.1388328° W LAT: 32°39'17.0087" N LONG: 104°08'23.9979" W MD = 13,581.00 / TVD = 8,655.72		CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 601490.9 - E: 590784.7 B: FOUND BRASS CAP "1941" N: 604123.9 - E: 590793.8 C: FOUND BRASS CAP "1941" N: 606780.7 - E: 590803.8 D: FOUND BRASS CAP "1941" N: 606789.4 - E: 593397.1 E: FOUND BRASS CAP "1941" N: 606818.7 - E: 595980.2 F: FOUND BRASS CAP "1941" N: 606841.1 - E: 595587.0 G: FOUND BRASS CAP "1941" N: 606884.1 - E: 601184.5 H: FOUND BRASS CAP "1941" N: 604231.2 - E: 601178.6		CORNER DATA NAD 83 GRID - NM EAST I: FOUND BRASS CAP "1941" N: 601581.1 - E: 601172.8 J: FOUND BRASS CAP "1941" N: 601580.4 - E: 598578.1 K: FOUND BRASS CAP "1941" N: 601541.3 - E: 595978.7 L: FOUND BRASS CAP "1941" N: 601517.7 - E: 593384.1 1: CALCULATED POINT N: 601529.5 - E: 594881.4 2: CALCULATED POINT N: 602847.7 - E: 594884.5 3: CALCULATED POINT N: 602859.5 - E: 595981.8 4: CALCULATED POINT N: 602906.2 - E: 601175.8		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 undivided 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 a voluntary pooling agreement or a compulsory pooling order has been entered by the division.  Emily Follis Printed Name emily.follis@apachecorp.com Email 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. 11-30-2018 Date of Survey Signature and Seal of Surveyor  19680 Certificate Number 7/14/17 AS DRILL ① RRC - Job No.: ① LS1611380AD		

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
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District IV
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44668		² Pool Code 96413	³ Pool Name PALMILLO;BONE SPRING;SW
⁴ Property Code 317303	⁵ Property Name PALMILLO 14-15 STATE		⁶ Well Number 207H
⁷ GRID NO. 873	⁸ Operator Name APACHE CORPORATION		⁹ Elevation 3438'

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	14	19S	28E		2345	NORTH	415	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	15	19S	28E		1882	NORTH	80	WEST	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 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION N 604477.7 - E 596400.0 LAT: 32.6616283° N LONG: 104.1544088° W FIRST TAKE POINT (F.T.P.) MD: 7582' TVD: 7312' N 604679.8 - E 595879.6 LAT: 32.6621861° N LONG: 104.1560988° W LAST TAKE POINT (L.T.P.) MD: 12529' TVD: 7198' N 604873.3 - E 590963.3 LAT: 32.6627393° N LONG: 104.1720732° W BOTTOM HOLE MD: 7195.0' TVD: 7195.0' N 604876.3 - E 590879.4 LAT: 32.6627481° N LONG: 104.1723459° W	CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N 601487.4 - E 590787.6 B: FOUND BRASS CAP "1941" N 604120.4 - E 590796.6 C: FOUND BRASS CAP "1941" N 606757.2 - E 590806.5 D: FOUND BRASS CAP "1941" N 606785.9 - E 593400.0 E: FOUND BRASS CAP "1941" N 605815.2 - E 595993.1 F: FOUND BRASS CAP "1941" N 606837.6 - E 598589.8 G: FOUND BRASS CAP "1941" N 606860.6 - E 601187.3	H: FOUND BRASS CAP "1941" N 604227.7 - E 601181.4 I: FOUND BRASS CAP "1941" N 601577.6 - E 601175.4 J: FOUND BRASS CAP "1941" N 601556.9 - E 598579.0 K: FOUND BRASS CAP "1941" N 601537.8 - E 595981.6 L: FOUND BRASS CAP "1941" N 601514.2 - E 593387.0 CALCULATED POINTS 1: N 605438.8 - E 590801.5 2: N 605495.9 - E 595990.2 3: N 605507.9 - E 597288.7 4: N 604189.3 - E 597285.9 5: N 604176.5 - E 595987.3	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. <i>Alicia Fulton</i> Signature Date 9-19-2018 Printed Name E-mail Address alicia.fulton@apachecorp.com
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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.
5-11-2018
Date of Survey
Signature and Seal of *Jeffrey L. Fansler*
10034
Certificate Number
Rev.2: 9-19-18 Move FTP & LTP
Job No.: LS161137BAD-R

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
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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
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Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44667		² Pool Code 96413		³ Pool Name PALMILLO;BONE SPRING, SW	
⁴ Property Code 317303		⁵ Property Name PALMILLO 14-15 STATE COM			⁶ Well Number 205H
⁷ GRID NO. 873		⁸ Operator Name APACHE CORPORATION			⁹ Elevation 3433'

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
M	14	19S	28E		660	SOUTH	330	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
M	15	19S	28E		400	SOUTH	60	WEST	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 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (SL) N: 602203.7 - E: 596310.2 LAT: 32.6553779° N LONG: 104.1547131° W FIRST TAKE POINT (FTP) MD: 7453' TVD: 7269.0' N: 602122.6 - E: 595882.9 LAT: 32.6551569° N LONG: 104.1581021° W LAST TAKE POINT (LTP) MD: 12480' TVD: 7249.7' N: 601889.4 - E: 590888.9 LAT: 32.6545378° N LONG: 104.1723297° W BOTTOM LOCATION (BH) MD: 12520' TVD: 7249.7' N: 601887.5 - E: 590849.2 LAT: 32.6545328° N LONG: 104.1724589° W		CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 601490.9 - E: 590784.8 B: FOUND BRASS CAP "1941" N: 604123.9 - E: 590793.7 C: FOUND BRASS CAP "1941" N: 606780.7 - E: 590803.6 D: FOUND BRASS CAP "1941" N: 606789.4 - E: 593397.1 E: FOUND BRASS CAP "1941" N: 606818.7 - E: 595990.2 F: FOUND BRASS CAP "1941" N: 606841.1 - E: 598587.0 G: FOUND BRASS CAP "1941" N: 606864.1 - E: 601184.5 H: FOUND BRASS CAP "1941" N: 604123.2 - E: 601178.6		CORNER DATA NAD 83 GRID - NM EAST I: FOUND BRASS CAP "1941" N: 601581.1 - E: 601172.6 J: FOUND BRASS CAP "1941" N: 601560.4 - E: 598576.1 K: FOUND BRASS CAP "1941" N: 601541.3 - E: 595978.7 L: FOUND BRASS CAP "1941" N: 601517.7 - E: 593384.1 1: CALCULATED POINT N: 601550.9 - E: 597277.4 2: CALCULATED POINT N: 602871.2 - E: 597280.3 3: CALCULATED POINT N: 602859.5 - E: 595981.6 4: CALCULATED POINT N: 602807.4 - E: 590789.3	
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: <u>Alicia Fulton</u> Date: <u>9-19-18</u> Printed Name: <u>Alicia Fulton</u> E-mail Address: <u>alicia.fulton@apachecorp.com</u>					
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: <u>11-30-2018</u> Signature and Seal of: <u>Jeffrey L. Fansler</u> Professional Surveyor Certificate Number: <u>10034</u> Rev: 7-05-18 AS-DRILLED					

RRC - Job No.: LS1611376AD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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District IV
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-44669		² Pool Code 96413		³ Pool Name PALMILLO; BONE SPRING; SW					
⁴ Property Code 320701		⁵ Property Name PALMILLO 14-15 STATE COM						⁶ Well Number 208H	
⁷ GRID NO. 873		⁸ Operator Name APACHE CORPORATION						⁹ Elevation 3439'	
¹⁰ Surface Location									
UL or lot no. D	Section 14	Township 19S	Range 28E	Lot Idn	Feet from the 430	North/South line NORTH	Feet from the 470	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. D	Section 15	Township 19S	Range 28E	Lot Idn	Feet from the 427	North/South line NORTH	Feet from the 49	East/West line WEST	County EDDY
¹² Dedicated Acres 160		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 N 606392.9 - E 596459.2 LAT: 32.6668920° N LONG: 104.1542060° W FIRST TAKE POINT (F.T.P.) MD: 7589' TVD: 7298' N 606383.7 - E 595877.7 LAT: 32.6668684° N LONG: 104.1560957° W LAST TAKE POINT (L.T.P.) MD: 12536' TVD: 7236' N 606334.5 - E 590933.1 LAT: 32.6667559° N LONG: 104.1721624° W BOTTOM HOLE MD: 12615' TVD: 7232.8' N 606330.8 - E 590854.3 LAT: 32.6667459° N LONG: 104.1724204° W			CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N 601487.4 - E 590787.6 B: FOUND BRASS CAP "1941" N 604120.4 - E 590796.6 C: FOUND BRASS CAP "1941" N 606757.2 - E 590806.5 D: FOUND BRASS CAP "1941" N 606785.9 - E 593400.0 E: FOUND BRASS CAP "1941" N 606815.2 - E 595993.1 F: FOUND BRASS CAP "1941" N 606837.6 - E 598589.8 G: FOUND BRASS CAP "1941" N 606860.6 - E 601187.3			H: FOUND BRASS CAP "1941" N 604227.7 - E 601181.4 I: FOUND BRASS CAP "1941" N 601577.6 - E 601175.4 J: FOUND BRASS CAP "1941" N 601556.9 - E 598579.0 K: FOUND BRASS CAP "1941" N 601537.8 - E 595981.6 L: FOUND BRASS CAP "1941" N 601514.2 - E 593387.0 CALCULATED POINTS 1: N 605438.8 - E 590801.5 2: N 606826.4 - E 597291.5 3: N 605507.9 - E 597288.7 4: N 605495.9 - E 595990.2			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. <i>Alicia Fulton</i> 9-19-2018 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. 5-11-2018 Date of Survey Signature and Seal of <i>Jeffrey L. Fansler</i> 10034 Certificate Number Rev.2: 9-19-18 Move FTP & LTP			Job No.: LS1611382AD-R								

District I
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Santa Fe, NM 87505

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-44675		2 Pool Code 96413		3 Pool Name PALMILLO;BONE SPRING;SW		
4 Property Code 317303		5 Property Name PALMILLO 14-15 STATE			6 Well Number 208H	
7 OGRID NO. 873		8 Operator Name APACHE CORPORATION			9 Elevation 3434'	

10 Surface Location

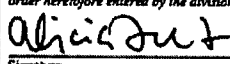
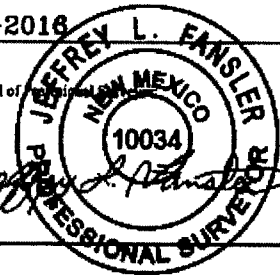
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	14	19S	28E		1973	SOUTH	861	WEST	EDDY

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
L	15	19S	28E		1876	SOUTH	83	WEST	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 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (SL) N: 603519.9 - E: 596843.9 LAT: 32.6589933° N LONG: 104.1529718° W FIRST TAKE POINT (FTP) MD: 8108' TVD: 7400' N: 603420.8 - E: 595885.7 LAT: 32.6587253° N LONG: 104.1560859° W LAST TAKE POINT (LTP) MD: 13080' TVD: 7191' N: 603364.0 - E: 590931.9 LAT: 32.6585909° N LONG: 104.1721827° W BOTTOM LOCATION (BH) MD: 13155' TVD: 7188' N: 603363.7 - E: 590857.1 LAT: 32.6585903° N LONG: 104.1724260° W	CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 601490.9 - E: 590784.8 B: FOUND BRASS CAP "1941" N: 604123.9 - E: 590793.7 C: FOUND BRASS CAP "1941" N: 606780.7 - E: 590803.6 D: FOUND BRASS CAP "1941" N: 606789.4 - E: 593397.1 E: FOUND BRASS CAP "1941" N: 606818.7 - E: 595990.2 F: FOUND BRASS CAP "1941" N: 606841.1 - E: 596587.0 G: FOUND BRASS CAP "1941" N: 606864.1 - E: 601184.5 H: FOUND BRASS CAP "1941" N: 604123.2 - E: 601178.6	CORNER DATA NAD 83 GRID - NM EAST I: FOUND BRASS CAP "1941" N: 601581.1 - E: 601172.6 J: FOUND BRASS CAP "1941" N: 601560.4 - E: 598576.1 K: FOUND BRASS CAP "1941" N: 601541.3 - E: 595978.7 L: FOUND BRASS CAP "1941" N: 601517.7 - E: 593384.1 1: CALCULATED POINT N: 602871.2 - E: 597280.3 2: CALCULATED POINT N: 604192.8 - E: 597283.0 3: CALCULATED POINT N: 604180.0 - E: 595984.4 4: CALCULATED POINT N: 602807.4 - E: 590789.3 5: CALCULATED POINT N: 602859.5 - E: 595981.6	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 as 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.  9-19-18 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. 11-30-2016 Date of Survey Signature and Seal of  10034 Certificate Number Rev: 9-19-18 FTP			Job No.: LS1611377AD-R