

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Secretary

Adrienne Sandoval, Division Director
Oil Conservation Division



Notice of C-104 Denial and Request for Information

OCD denies your C-104 – *Request for Allowable and Authorization to Transport* because it is incomplete or conflicts with other information provided to OCD.

The sale or transport of product without a C-104 approved by OCD violates the Oil and Gas Act and the implementing rules, including 19.15.7.15 and 19.15.16.19 NMAC.

To avoid an enforcement action, you must submit the indicated information no later than 30 days after receipt of this notice.

Test Allowable, New Well and Recompleted Well Amend C-104

- * ☒ C-103 (or BLM equivalent) for all casing strings
- ☐ Spud Notice
 - ☐ Surface Casing
 - ☐ Intermediate Casing (if applicable)
 - ☐ Additional Intermediate Casing (if applicable)
 - ☐ Production Casing or Liner

*In the future please
submit hard copy C-103's in
place of Online submittals.*

☐ Applicable Order (NSL, NSP, Other _____)

☐ Deviation Survey for Vertical Wells

☒ Directional Survey ↘

☒ C-102 (As-Drilled Plat for Horizontal Well)

New Well and Recompleted Well Only

☒ C-103 Completion Sundry (or BLM equivalent)

☒ C-105 Completion Report (or BLM equivalent)

☐ All Logs Run on Well

**T.D. Reached? Supply approved
Sundry
Missing Perfs

If you have any questions please contact the local OCD District Office

1012 10000

10000 10000 10000
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Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-45282
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Apache Corporation		6. State Oil & Gas Lease No.
3. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705		7. Lease Name or Unit Agreement Name PALMILLO 21 STATE COM
4. Well Location Unit Letter <u>E</u> : 1675 feet from the <u>N</u> line and 370 feet from the <u>W</u> line Section 21 Township 19S Range 28E NMPM County EDDY		8. Well Number 325H
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 873
		10. Pool name or Wildcat WINCHESTER; BONE SPRING, WEST

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☒ ?		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Apache has completed the following work

8/2/2019 test casing to 6100 psi for 5 min-good test toe sleeve opened @ 8310psi

* 8/2-8/11/2019 frac and perf 1-26 stages frac w/BLTR-211,803bbl, 100 mesh=7,256,276lbs, 20/40= 1,782,210lbs

8/16/2019 Drilled out plugs

8/27/2019 RIH W/ 2 7/8 SET @7101

10/7/2019 TURN OVER TO PRODUCTION

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 15 2019

RECEIVED

* Missing Perforations

Spud Date:

12/8/2018

Rig Release Date:

12/10/2018

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

SIGNATURE

Alicia Fulton

TITLE Sr. Staff Reg Analyst

DATE

10-14-19

Type or print name Alicia Fulton

E-mail address: alicia.fulton@apachecorp.com

PHONE: (432) 818-1088

For State Use Only

APPROVED BY:

Denied

TITLE

Denied

DATE

Conditions of Approval (if any):

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

State of New Mexico
Energy, Minerals & Natural Resources

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104
Revised August 1, 2011

OCT 15 2019

Submit one copy to appropriate District Office

RECEIVED AMENDED REPORT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Apache Corporation 303 Veterans Airpark Lane Suite 1000 Midland TX 79705		² OGRID Number 873	
⁴ API Number 30-015-45282		⁵ Pool Name WINCHESTER;BONE SPRING, WEST	
⁷ Property Code 322494		⁸ Property Name PALMILLO 21 STATE COM	
³ Reason for Filing Code/ Effective Date NW/10/7/2019		⁶ Pool Code 97569	
		⁹ Well Number 325H	

II. ¹⁰Surface 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	N	370	W	EDDY

¹¹Bottom Hole Location

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	N	69	E	EDDY

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
S	P	10/7/2019			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
252293	Hollyfrontier Refining & Marketing PO Box 159 Artesia, NM 88210	O
222115	Durango Midstream LLC 2002 Timberloch Place, Suite 110 The Woodlands, Tx 77380	G

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
12/8/2018	10/7/2019	13,365	13,320	8,720-13,233	

²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement
17 1/2	13 3/8	356	826 sx Class C circ
12 1/4	9 5/8	3005	1090 sx Class C circ
8 1/2	5 1/2	13365	2180 sx class Nine Lite circ
	2 7/8	7101	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
10/7/2019	10/7/2019	10/12/2019	24		

³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method
	502	1980	1507	

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature: *Alicia Fulton*

Printed name:
Alicia Fulton
Title:
Sr. Reg. Analyst
E-mail Address:
alicia.fulton@apachecorp.com
Date:
10/14/2019
Phone:
432-818-1088

OIL CONSERVATION DIVISION

Approved: **DENIED**
See Attached Cover Sheet

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
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811 S. First St., Artesia, NM 88210
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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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

Revised August 1, 2011

Submit one copy to appropriate District Office

RECEIVED ☒ AMENDED REPORT

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 PALMILO 21 STATE COM	⁶ Well Number 325H
⁷ OGRID 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 320	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.

Diagram showing well location and acreage dedication plat. The diagram includes a grid of 40-acre units, with a well location marked by a circle and labeled '325H'. The well is located in the center of the grid, with a distance of 1241' from the surface location. The diagram also shows the location of the well relative to the section, township, and range. The well is located in the center of the grid, with a distance of 1241' from the surface location. The diagram also shows the location of the well relative to the section, township, and range.

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: 10-2-2019
Printed Name: Alicia Fulton
E-mail 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: 02-14-2019
Signature and Seal of Professional Surveyor: *Jeffrey L. Fansler*
10034
Certificate Number: 10034
REV: 10-02-2019

CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND BRASS CAP "1941" N 596170.1 - E 585579.6
B: FOUND BRASS CAP "1941" N 598801.3 - E 585587.6
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

GEODETIC DATA
NAD 83 GRID - NM EAST
SURFACE LOCATION (S.L.)
N: 599759.3 - E: 585960.4
LAT: 32.6487022° N
LONG: 104.1883529° W
KICK OFF POINT (K.O.P.)
N: 600164.9 - E: 585680.2
LAT: 32.6498182° N
LONG: 104.1892614° W
MD: 8062 TVD: 8018.6
FIRST TAKE POINT (F.T.P.)
N: 600181.5 - E: 586079.3
LAT: 32.6498623° N
LONG: 104.1879647° W
MD: 8720 TVD: 8498.6
LAST TAKE POINT (L.T.P.)
N: 600243.0 - E: 590586.7
LAT: 32.6500135° N
LONG: 104.1733199° W
MD: 13233 TVD: 8485.7
BOTTOM HOLE (B.H.)
N: 600245.9 - E: 590718.6
LAT: 32.6500209° N
LONG: 104.1728911° W
MD: 13365 TVD: 8484.6

Job No.: LS1808998ADR2

NM OIL CONSERVATION

ARTESIA DISTRICT

OCT 15 2019



Weatherford

RECEIVED

Drilling Services
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Apache Corporation
303 Veterans Airpark Lane
Midland, TX, 79705

Date: February 14, 2019

Attention: John Vacek

Re: Apache Corporation
Well: Apache Palmillo 21 State Com 325H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
Domingo Estrada	325H	7,951 MD	2/9/2019	Measurement
MWD Ops. Coordinator		13,303 MD	2/14/2019	While Drilling

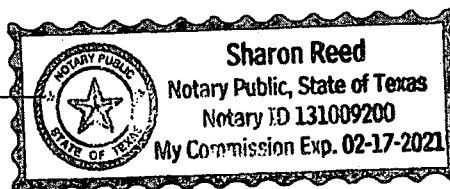
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Domingo Estrada
MWD Ops. Coordinator

On this, the 18th day of February, 2019, before me a notary public, the undersigned officer, personally appeared Domingo Estrada, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public



**5D Survey Report**

Apache Corporation

Field Name: *Apache NM (Nad 83 NMEZ)*
Site Name: *Palmillo 21 State Com Pad (325H,227H,324H)*
Well Name: *Palmillo 21 State Com 325H*
File number: *13600993*
Survey: *Definitive survey*

14 February 2019




Weatherford

Palmillo 21 State Com 325H

Field Name: Apache NM (Nad 83 NMEZ)	Map Units: US ft Vertical Reference Datum (VRD): Mean Sea Level Projected Coordinate System: NAD83 / New Mexico East (ftUS) Comment:	Company Name: Apache Corporation
Site: Palmillo 21 State Com IPad (325H, 227H, 324 RH)	Units: US ft North Reference: Grid Convergence Angle: 0.08 Position: Northing: 599759.30 US ft Latitude: 32.648702310 Easting: 585960.40 US ft Longitude: -104.188352988 Elevation above MSL: 3458.00 US ft Comment: Eddy Co., NM	
Slot: Palmillo 21 State Com 325H	Position (Relative to Site Centre) +N/-S: 0.00 US ft Northing: 599759.30 US ft Latitude: 32.648702310 +E/-W: 0.00 US ft Easting: 585960.40 US ft Longitude: -104.188352988 Slot TVD Reference: Ground Elevation Elevation above MSL: 3458.00 US ft Comment:	
Well: Palmillo 21 State Com 325H	Type: Main well UWI: File Number: 13600993 Comment: H&P 482 Closure Distance: 4783.01 US ft Closure Azimuth: 84.16° Vertical Section: Position of Origin (Relative to Slot centre) +N/-S: -0.00 US ft +E/-W: 0.00 US ft Az: 84.34°	

Drill floor: Survey Name: Definitive Survey
Rig Height (Drill Floor): 26.00 US ft **Elevation above MSL:** 3484.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00°

Survey Name: Definitive Survey

Date: 24/Sep/2018 **Survey Tool:** See Survey **Comment:** **Company:**
 Tool Ranges below.

Magnetic Model:

Model Name: Surcon **Date:** 13/Jan/2019 **Field Strength:** 48018.0nT **Declination:** 7.31° **Dip:** 60.41°
 MVHD

Tie Point:

MD: 0.00 US ft **Inclination:** 0.00° **Azimuth:** 0.00° **TVD:** -0.00 US ft **North Offset:** -0.00 US ft **East Offset:** 0.00 US ft

5D Survey Report

Survey/Tool Ranges:			
Name	Start MD(usft)	End MD(usft)	Source Survey
VES GyroFlex V3	0.00	7835.00	VES Gyro
MWD	7835.00	7951.00	WFT MWD 2
MWD + HDGM + MS	7951.00	8857.00	WFT MWD 4
MWD + HDGM + Sag Corr + MS OW	8857.00	13365.00	WFT MWD 5

Wellpath created using minimum curvature:

Survey Points: ((Relative to Slot centre)(TVD relative to Drill Floor))										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (%/100US ft)	Northing (US ft)	Easting (US ft)	Comment
7835.00	2.05	77.19	7791.89	-248.37	400.70	-289.30	0.26	600160.00	585671.10	VES Gyro Tieon
7951.00	2.24	53.62	7907.81	-244.36	402.50	-285.45	0.77	600161.80	585674.95	First WFT MWD Svy
8054.00	3.10	56.81	8010.69	-240.16	405.22	-281.50	0.85	600164.52	585678.90	
8148.00	16.84	74.96	8103.06	-224.40	410.17	-266.15	14.82	600169.47	585694.25	
8195.00	24.50	74.15	8147.01	-208.06	414.60	-250.17	16.31	600173.90	585710.23	
8243.00	27.45	74.83	8190.15	-187.35	420.22	-229.92	6.18	600179.52	585730.48	
8290.00	31.32	80.97	8231.11	-164.46	424.97	-207.38	10.43	600184.27	585753.02	
8338.00	36.09	88.13	8271.04	-137.87	427.39	-180.91	12.92	600186.69	585779.49	
8385.00	40.04	91.73	8308.04	-109.05	427.39	-151.95	9.64	600186.69	585808.45	
8432.00	45.41	93.33	8342.56	-77.51	425.96	-120.10	11.66	600185.26	585840.30	
8479.00	49.13	92.43	8374.45	-43.37	424.23	-85.63	8.04	600183.53	585874.77	
8527.00	51.94	90.73	8404.95	-6.61	423.22	-48.59	6.46	600182.52	585911.81	
8574.00	54.81	90.55	8432.99	30.87	422.80	-10.88	6.11	600182.10	585949.52	
8621.00	60.13	90.93	8458.25	70.24	422.29	28.73	11.34	600181.59	585989.13	
8668.00	65.15	90.02	8479.85	111.73	421.95	70.46	10.82	600181.25	586030.86	
8716.00	71.64	89.39	8497.51	156.14	422.18	115.06	13.58	600181.48	586075.46	
8763.00	75.79	89.31	8510.69	201.07	422.70	160.16	8.83	600182.00	586120.56	
8810.00	79.16	90.15	8520.88	246.74	422.91	206.04	7.38	600182.21	586166.44	
8857.00	83.41	90.95	8528.00	292.91	422.46	252.48	9.20	600181.76	586212.88	
8944.00	90.57	91.25	8532.57	379.13	420.80	339.29	8.24	600180.10	586299.69	
9039.00	91.06	89.51	8531.22	473.59	420.17	434.27	1.90	600179.47	586394.67	
9133.00	90.50	88.27	8529.94	567.29	421.99	528.24	1.45	600181.29	586488.64	
9228.00	90.85	87.65	8528.82	662.09	425.37	623.18	0.75	600184.67	586583.58	
9322.00	91.27	88.09	8527.08	755.89	428.86	717.09	0.65	600188.16	586677.49	
9417.00	90.43	89.41	8525.67	850.60	430.93	812.06	1.65	600190.23	586772.46	
9511.00	91.06	88.63	8524.45	944.28	432.54	906.04	1.07	600191.84	586866.44	
9605.00	90.29	89.15	8523.34	1037.97	434.36	1000.01	0.99	600193.66	586960.41	
9700.00	89.10	89.57	8523.84	1132.61	435.42	1095.00	1.33	600194.72	587055.40	
9795.00	89.66	88.76	8524.87	1227.26	436.81	1189.98	1.04	600196.11	587150.38	
9889.00	90.71	89.75	8524.57	1320.91	438.03	1283.97	1.54	600197.33	587244.37	
9984.00	90.92	90.39	8523.22	1415.43	437.91	1378.96	0.71	600197.21	587339.36	
10079.00	89.38	90.43	8522.97	1509.89	437.23	1473.96	1.62	600196.53	587434.36	
10173.00	89.80	90.51	8523.64	1603.35	436.46	1567.95	0.45	600195.76	587528.35	
10268.00	90.99	90.27	8522.99	1697.82	435.82	1662.95	1.28	600195.12	587623.35	
10362.00	89.66	90.92	8522.45	1791.26	434.84	1756.94	1.57	600194.14	587717.34	
10457.00	88.47	89.98	8524.00	1885.70	434.09	1851.92	1.60	600193.39	587812.32	
10551.00	88.12	89.22	8526.80	1979.26	434.75	1945.87	0.89	600194.05	587906.27	
10646.00	87.77	87.98	8530.21	2073.94	437.07	2040.78	1.36	600196.37	588001.18	
10741.00	89.38	86.99	8532.57	2168.76	441.24	2135.66	1.99	600200.54	588096.06	
10835.00	91.69	87.30	8531.69	2262.64	445.92	2229.53	2.48	600205.22	588189.93	
10930.00	93.51	87.96	8527.38	2357.38	449.84	2324.35	2.04	600209.14	588284.75	
11024.00	92.04	88.39	8522.83	2451.06	452.83	2418.18	1.63	600212.13	588378.58	
11119.00	91.76	89.07	8519.68	2545.72	454.94	2513.11	0.77	600214.24	588473.51	
11213.00	89.52	91.33	8518.63	2639.22	454.61	2607.09	3.38	600213.91	588567.49	
11308.00	89.87	89.88	8519.14	2733.64	453.60	2702.08	1.57	600212.90	588662.48	
11403.00	90.29	89.84	8519.00	2828.20	453.84	2797.08	0.44	600213.14	588757.48	
11497.00	91.06	90.14	8517.90	2921.74	453.85	2891.07	0.88	600213.15	588851.47	
11591.00	89.73	89.46	8517.25	3015.31	454.18	2985.07	1.59	600213.48	588945.47	

5D Survey Report

Survey Points: (Relative to Slot centre) (TVD relative to Drill Floor)										
MD (US ft)	Inc. (°)	Az (°)	TVD (US ft)	VS (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
11686.00	90.36	88.82	8517.17	3109.97	455.61	3080.06	0.95	600214.91	589040.46	
11781.00	90.92	88.54	8516.11	3204.69	457.80	3175.02	0.66	600217.10	589135.42	
11875.00	91.13	88.13	8514.43	3298.45	460.53	3268.97	0.49	600219.83	589229.37	
11970.00	91.48	87.70	8512.27	3393.24	463.98	3363.88	0.58	600223.28	589324.28	
12065.00	91.90	88.96	8509.47	3487.97	466.75	3458.80	1.40	600226.05	589419.20	
12159.00	92.18	88.50	8506.12	3581.63	468.83	3552.71	0.57	600228.13	589513.11	
12254.00	92.55	88.17	8502.20	3676.32	471.59	3647.59	0.52	600230.89	589607.99	
12348.00	91.92	89.64	8498.53	3769.95	473.38	3741.50	1.70	600232.68	589701.90	
12442.00	91.92	90.83	8495.38	3863.40	473.00	3835.45	1.27	600232.30	589795.85	
12537.00	92.27	89.53	8491.91	3957.84	472.70	3930.38	1.42	600232.00	589890.78	
12631.00	90.73	89.19	8489.45	4051.44	473.75	4024.34	1.68	600233.05	589984.74	
12725.00	90.45	88.86	8488.48	4145.12	475.35	4118.32	0.46	600234.65	590078.72	
12820.00	90.38	88.45	8487.80	4239.85	477.58	4213.29	0.44	600236.88	590173.69	
12914.00	90.10	89.81	8487.40	4333.52	479.01	4307.28	1.48	600238.31	590267.68	
13008.00	90.03	89.41	8487.29	4427.12	479.65	4401.27	0.43	600238.95	590361.67	
13103.00	90.52	88.88	8486.84	4521.79	481.06	4496.26	0.76	600240.36	590456.66	
13197.00	90.45	88.84	8486.04	4615.49	482.93	4590.24	0.09	600242.23	590550.64	
13292.00	90.52	88.68	8485.24	4710.20	484.99	4685.21	0.18	600244.29	590645.61	
13303.00	90.52	88.75	8485.14	4721.17	485.24	4696.21	0.64	600244.54	590656.61	
13365.00	90.52	88.75	8484.58	4782.99	486.59	4758.19	0.00	600245.89	590718.59	Last WFT MWD Svy TD@13365' MD/PTB

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505						State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505						Form C-105 July 17, 2008							
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																			
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13 K NMAC)								5. Lease Name or Unit Agreement Name PALMILLO 21 STATE COM 6. Well Number: 325H											
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																			
8. Name of Operator Apache Corporation								9. OGRID 873											
10. Address of Operator 303 Veterans Airpark Lane, Suite 1000 Midland, TX 79705								11. Pool name or Wildcat WINCHESTER; BONE SPRING; WEST											
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County									
Surface:	E	21	19S	28E		1675	N	370	W	EDDY									
BH:	A	21	19S	28E		1241	N	69	E	EDDY									
13. Date Spudded 12/08/2018	14. Date T.D. Reached		15. Date Rig Released 12-10-18		16. Date Completed (Ready to Produce) 10/07/2019				17. Elevations (DF and RKB, RT, GR, etc.) 3483										
18. Total Measured Depth of Well 13365			19. Plug Back Measured Depth 13320		20. Was Directional Survey Made? YES				21. Type Electric and Other Logs Run										
22. Producing Interval(s), of this completion - Top, Bottom, Name 8720-13233																			
23. CASING RECORD (Report all strings set in well)																			
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED									
13 3/8		48		356		17 1/2'		600sx		0									
9 5/8		40		3005		12 1/4		1316sx		0									
5 1/2		20		13365		8 3/4		2180sx		0									
24. LINER RECORD																			
SIZE	TOP	BOTTOM		SACKS CEMENT		SCREEN		25. TUBING RECORD											
								SIZE	DEPTH SET	PACKER SET									
								2 7/8	8326										
26. Perforation record (interval, size, and number) 8720-13233						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>8720-13233</td> <td></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>						DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	8720-13233					
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																		
8720-13233																			
28. PRODUCTION																			
Date First Production 10/07/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) gas lift					Well Status (<i>Prod. or Shut-in</i>) prod												
Date of Test 10/12/2019	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 502	Gas - MCF 1507	Water - Bbl. 1980	Gas - Oil Ratio												
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 44.8													
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold										30. Test Witnessed By Apache Corp.									
31. List Attachments Inclination Report, C-102, C-103, C-104 (Logs submitted)																			
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.																			
33. If an on-site burial was used at the well, report the exact location of the on-site burial:																			
Latitude _____ Longitude _____ NAD 1927 1983																			
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																			
Signature Alicia Fulton				Printed Name Alicia Fulton				Title Sr. Regulatory Analyst		Date 10/14/2019									
E-mail Address alicia.fulton@apachecorp.com																			

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 1124	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1378	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1674	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T. Rustler	T. Entrada	
T. Wolfcamp	T. Tansill	T. Wingate	
T. Penn	T. Penrose	T. Chinle	
T. Cisco (Bough C)	T. Bowers-SD	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology