

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address		² OGRID Number	
		³ Reason for Filing Code/ Effective Date	
⁴ API Number	⁵ Pool Name		⁶ Pool Code
⁷ Property Code	⁸ Property Name		⁹ Well Number

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
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
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: <i>alicia fulton</i>			OIL CONSERVATION DIVISION		
Printed name:			Approved by: <i>PATRICIA MARTINEZ</i>		
Title:			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address:			Approval Date: <i>3/20/2024</i>		
Date:		Phone:			

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
AS COMPLETED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-50201		² Pool Code 97569		³ Pool Name Winchester; Bone Spring, West	
⁴ Property Code 333585		⁵ Property Name PALMILLO 29-30 STATE COM			⁶ Well Number 271H
⁷ OGRID NO. 873		⁸ Operator Name APACHE CORPORATION			⁹ Elevation 3474'

¹⁰ Surface Location

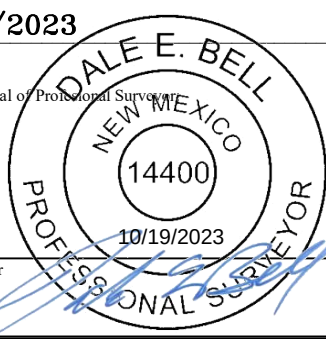
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	25	19S	27E		700	NORTH	445	EAST	EDDY

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
A	29	19S	28E		665	NORTH	58	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
323.08			

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 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 595298.0 - E: 574601.8 LAT: 32.6364767° N LONG: 104.2252718° W <u>KICK OFF POINT (KOP)</u> 665' FNL & 369' FEL - SEC 25 N: 595340.0 - E: 574678.1 LAT: 32.6365918° N LONG: 104.2250238° W MD = 5738.0 - TVD = 5735.2 <u>FIRST TAKE POINT (FTP)</u> 671' FNL & 117' FWL - SEC 30 N: 595320.8 - E: 575163.9 LAT: 32.6365377° N LONG: 104.2234459° W MD = 7267.0 - TVD = 7032.1 <u>LAST TAKE POINT (LTP)</u> 665' FNL & 142' FEL - SEC 29 N: 595503.8 - E: 585433.0 LAT: 32.6370071° N LONG: 104.1900852° W MD = 17651.0 - TVD = 7347.1 <u>BOTTOM HOLE (BH)</u> N: 595504.7 - E: 585517.0 LAT: 32.6370092° N LONG: 104.1898124° W MD = 17635.0 - TVD = 7347.4		<u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 590834.2 - E: 569728.4 B: FOUND BRASS CAP "1941" N: 593464.9 - E: 569747.2 C: FOUND BRASS CAP "1941" N: 596098.3 - E: 569768.4 D: FOUND BRASS CAP "1941" N: 596043.6 - E: 572411.3 E: FOUND BRASS CAP "1941" N: 595988.5 - E: 575053.3 F: FOUND BRASS CAP "1941" N: 596055.5 - E: 577761.8 G: FOUND BRASS CAP "1941" N: 596120.3 - E: 580368.7 H: FOUND BRASS CAP "1941" N: 596144.1 - E: 582974.0 I: FOUND BRASS CAP "1941" N: 596170.1 - E: 585579.7 J: FOUND BRASS CAP "1941"		N: 593538.2 - E: 585560.2 K: FOUND BRASS CAP "1941" N: 590906.8 - E: 585541.3 L: FOUND BRASS CAP "1941" N: 590849.0 - E: 582921.0 M: FOUND BRASS CAP "1941" N: 590871.3 - E: 580314.9 N: FOUND BRASS CAP "1941" N: 590726.0 - E: 577724.3 O: FOUND BRASS CAP "1941" N: 590726.4 - E: 575003.7 P: FOUND BRASS CAP "1941" N: 590780.1 - E: 572365.3 Q: FOUND BRASS CAP "1941" N: 593357.1 - E: 575028.3 R: FOUND BRASS CAP "1941" N: 593498.9 - E: 580342.6	
¹⁷ <u>OPERATOR CERTIFICATION</u> 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. <u>Signature</u> <i>alicia fulton</i> <u>Date</u> 11/8/2023 <u>Printed Name</u> Alicia Fulton <u>E-mail Address</u> alicia.fulton@apachecorp.com		¹⁸ <u>SURVEYOR CERTIFICATION</u> 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. <u>Date of Survey</u> 10/03/2023 <u>Signature and Seal of Professional Surveyor</u>  <u>Certificate Number</u> 14400			



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Deergai
Scale	0.999910	Report Generated	3/21/2023 at 9:23:43 AM
Convergence at slot	0.06° East	Database	WA_HOU_Midland_Defn

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	30.00	0.20	574601.80	595298.00	32°38'11.3159"N	104°13'30.9788"W
Facility Reference Pt			574601.60	595268.00	32°38'11.0191"N	104°13'30.9815"W
Field Reference Pt			165000.00	0.00	30°59'39.8929"N	105°32'3.8657"W

WELLPATH DATUM

Calculation method	Minimum curvature	H&P 656 (KB) to Facility Vertical Datum	3500.30ft
Horizontal Reference Pt	Slot	H&P 656 (KB) to Mean Sea Level	3500.30ft
Vertical Reference Pt	H&P 656 (KB)	H&P 656 (KB) to Ground Level at Slot (Palmillo 29-30 State Com 271H)	26.30ft
MD Reference Pt	H&P 656 (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	88.89°



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Facility	Palmillo 29-30 State Com Pad								Wellbore	Palmillo 29-30 State Com 271H						
Slot	Palmillo 29-30 State Com 271H															

WELLPATH DATA (177 stations) † = interpolated, ‡ = extrapolated station																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	190.000	0.00	3500.30	0.00	0.00	0.00	574601.80	595298.00	32°38'11.3159"N	104°13'30.9788"W	0.00	0.000	0.00	0.00	0.00	
26.30	0.000	190.000	26.30	3474.00	0.00	0.00	0.00	574601.80	595298.00	32°38'11.3159"N	104°13'30.9788"W	0.00	0.000	0.00	0.00	0.00	
69.30	0.700	190.000	69.30	3431.00	-0.05	-0.26	-0.05	574601.75	595297.74	32°38'11.3134"N	104°13'30.9794"W	0.26	190.000	1.63	1.63	0.00	Imported Surface/Intermediate MWD Surveys 69.30' - 3333.30'
164.30	1.100	48.000	164.29	3336.01	0.53	-0.22	0.53	574602.33	595297.78	32°38'11.3138"N	104°13'30.9726"W	0.58	112.493	1.80	0.42	-149.47	
300.30	1.700	353.000	300.26	3200.04	1.31	2.66	1.26	574603.06	595300.66	32°38'11.3422"N	104°13'30.9641"W	2.94	25.303	1.03	0.44	-40.44	
386.30	0.900	29.000	386.24	3114.06	1.51	4.51	1.43	574603.23	595302.51	32°38'11.3606"N	104°13'30.9621"W	4.73	17.555	1.29	-0.93	41.86	
461.30	1.650	34.230	461.22	3039.08	2.44	5.92	2.32	574604.12	595303.92	32°38'11.3745"N	104°13'30.9516"W	6.36	21.402	1.01	1.00	6.97	
636.30	1.980	32.490	636.13	2864.17	5.57	10.55	5.36	574607.16	595308.55	32°38'11.4203"N	104°13'30.9160"W	11.84	26.932	0.19	0.19	-0.99	
788.30	1.740	42.590	788.05	2712.25	8.61	14.47	8.33	574610.13	595312.47	32°38'11.4590"N	104°13'30.8812"W	16.70	29.944	0.27	-0.16	6.64	
977.30	1.010	41.950	976.99	2523.31	11.73	17.82	11.39	574613.19	595315.82	32°38'11.4921"N	104°13'30.8454"W	21.15	32.585	0.39	-0.39	-0.34	
1136.30	2.180	78.960	1135.93	2364.37	15.67	19.44	15.29	574617.09	595317.44	32°38'11.5081"N	104°13'30.7997"W	24.74	38.193	0.94	0.74	23.28	
1326.30	4.340	89.620	1325.62	2174.68	26.42	20.18	26.03	574627.83	595318.18	32°38'11.5153"N	104°13'30.6742"W	32.94	52.216	1.18	1.14	5.61	
1516.30	4.090	84.680	1515.10	1985.20	40.36	20.86	39.97	574641.76	595318.85	32°38'11.5219"N	104°13'30.5112"W	45.08	62.443	0.23	-0.13	-2.60	
1706.30	3.790	85.070	1704.65	1795.65	53.39	22.02	52.97	574654.77	595320.02	32°38'11.5333"N	104°13'30.3591"W	57.37	67.423	0.16	-0.16	0.21	
1891.30	2.970	81.090	1889.33	1610.97	64.24	23.29	63.80	574665.59	595321.29	32°38'11.5458"N	104°13'30.2325"W	67.92	69.943	0.46	-0.44	-2.15	
2082.30	2.240	75.250	2080.13	1420.17	72.77	25.01	72.29	574674.09	595323.01	32°38'11.5627"N	104°13'30.1331"W	76.50	70.918	0.41	-0.38	-3.06	
2272.30	2.000	78.230	2270.00	1230.30	79.63	26.63	79.13	574680.92	595324.63	32°38'11.5786"N	104°13'30.0532"W	83.49	71.400	0.14	-0.13	1.57	
2462.30	0.720	52.010	2459.95	1040.35	83.85	28.04	83.32	574685.11	595326.04	32°38'11.5926"N	104°13'30.0042"W	87.91	71.399	0.73	-0.67	-13.80	
2651.30	1.140	98.200	2648.92	-851.38	86.65	28.50	86.12	574687.91	595326.50	32°38'11.5971"N	104°13'29.9715"W	90.71	71.685	0.44	0.22	24.44	
2841.30	1.490	296.430	2838.90	-661.40	86.33	29.33	85.77	574687.57	595327.33	32°38'11.6053"N	104°13'29.9755"W	90.65	71.119	1.37	0.18	-85.14	
3030.30	0.390	299.540	3027.88	-472.42	83.59	30.75	83.01	574684.81	595328.74	32°38'11.6193"N	104°13'30.0077"W	88.52	69.677	0.58	-0.58	1.65	
3220.30	0.880	292.670	3217.86	-282.44	81.70	31.63	81.10	574682.90	595329.62	32°38'11.6280"N	104°13'30.0300"W	87.05	68.697	0.26	0.26	-3.62	
3333.30	0.700	255.860	3330.85	-169.45	80.24	31.79	79.63	574681.43	595329.79	32°38'11.6297"N	104°13'30.0472"W	85.75	68.237	0.47	-0.16	-32.58	
3466.00	0.900	283.040	3463.54	-36.76	78.44	31.83	77.83	574679.63	595329.83	32°38'11.6301"N	104°13'30.0683"W	84.09	67.758	0.32	0.15	20.48	9 7/8" BRK NT MWD Surveys 3466' - 6305' (Superior Corrected)
3560.00	1.020	287.820	3557.53	57.23	76.93	32.25	76.32	574678.11	595330.25	32°38'11.6343"N	104°13'30.0860"W	82.85	67.091	0.15	0.13	5.09	
3655.00	1.100	291.270	3652.51	152.21	75.29	32.84	74.66	574676.46	595330.84	32°38'11.6401"N	104°13'30.1053"W	81.57	66.257	0.11	0.08	3.63	
3749.00	0.990	294.240	3746.50	246.20	73.72	33.50	73.08	574674.87	595331.50	32°38'11.6467"N	104°13'30.1238"W	80.39	65.372	0.13	-0.12	3.16	
3844.00	1.030	287.540	3841.48	341.18	72.17	34.10	71.52	574673.31	595332.09	32°38'11.6526"N	104°13'30.1421"W	79.23	64.511	0.13	0.04	-7.05	
3938.00	1.200	292.930	3935.46	435.16	70.47	34.73	69.81	574671.60	595332.73	32°38'11.6589"N	104°13'30.1621"W	77.97	63.546	0.21	0.18	5.73	
4033.00	1.280	300.310	4030.44	530.14	68.65	35.66	67.97	574669.77	595333.65	32°38'11.6681"N	104°13'30.1835"W	76.76	62.320	0.19	0.08	7.77	



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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Facility	Palmillo 29-30 State Com Pad					Wellbore	Palmillo 29-30 State Com 271H		
Slot	Palmillo 29-30 State Com 271H								

WELLPATH DATA (177 stations)																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
4128.00	0.610	54.140	4125.43	625.13	68.16	36.49	67.47	574669.26	595334.49	32°38'11.6763"N	104°13'30.1894"W	76.70	61.594	1.71	-0.71	119.82	
4222.00	0.830	55.620	4219.43	719.13	69.14	37.17	68.44	574670.23	595335.16	32°38'11.6830"N	104°13'30.1781"W	77.88	61.494	0.23	0.23	1.57	
4317.00	0.950	52.080	4314.41	814.11	70.35	38.04	69.63	574671.42	595336.04	32°38'11.6916"N	104°13'30.1642"W	79.34	61.350	0.14	0.13	-3.73	
4412.00	0.960	42.500	4409.40	909.10	71.53	39.11	70.78	574672.58	595337.11	32°38'11.7022"N	104°13'30.1506"W	80.87	61.078	0.17	0.01	-10.08	
4507.00	1.030	43.520	4504.39	1004.09	72.68	40.32	71.91	574673.70	595338.31	32°38'11.7141"N	104°13'30.1374"W	82.44	60.723	0.08	0.07	1.07	
4602.00	1.200	30.460	4599.37	1099.07	73.80	41.79	73.00	574674.80	595339.79	32°38'11.7287"N	104°13'30.1247"W	84.12	60.209	0.32	0.18	-13.75	
4696.00	1.550	28.890	4693.34	1193.04	74.95	43.75	74.12	574675.91	595341.75	32°38'11.7481"N	104°13'30.1116"W	86.07	59.444	0.37	0.37	-1.67	
4791.00	1.760	30.350	4788.30	1288.00	76.35	46.14	75.47	574677.27	595344.13	32°38'11.7717"N	104°13'30.0957"W	88.46	58.562	0.23	0.22	1.54	
4885.00	0.870	91.070	4882.28	1381.98	77.82	47.37	76.92	574678.71	595345.37	32°38'11.7839"N	104°13'30.0788"W	90.33	58.372	1.63	-0.95	64.60	
4981.00	0.650	115.420	4978.27	1477.97	79.04	47.12	78.14	574679.93	595345.12	32°38'11.7814"N	104°13'30.0646"W	91.25	58.906	0.40	-0.23	25.36	
5075.00	0.500	90.650	5072.27	1571.97	79.92	46.89	79.03	574680.82	595344.89	32°38'11.7791"N	104°13'30.0541"W	91.89	59.318	0.31	-0.16	-26.35	
5170.00	0.700	56.280	5167.26	1666.96	80.83	47.21	79.93	574681.72	595345.20	32°38'11.7822"N	104°13'30.0436"W	92.83	59.432	0.42	0.21	-36.18	
5265.00	0.400	244.030	5262.26	1761.96	81.01	47.38	80.11	574681.90	595345.38	32°38'11.7840"N	104°13'30.0415"W	93.07	59.396	1.16	-0.32	-181.32	
5359.00	0.700	257.960	5356.26	1855.96	80.15	47.12	79.25	574681.05	595345.12	32°38'11.7814"N	104°13'30.0515"W	92.20	59.266	0.35	0.32	14.82	
5436.00	0.820	259.820	5433.25	1932.95	79.15	46.93	78.25	574680.04	595344.92	32°38'11.7794"N	104°13'30.0632"W	91.24	59.050	0.16	0.16	2.42	
5454.00	1.010	266.020	5451.25	1950.95	78.86	46.89	77.97	574679.76	595344.89	32°38'11.7791"N	104°13'30.0665"W	90.98	58.976	1.19	1.06	34.44	
5548.00	1.130	266.010	5545.23	2044.93	77.11	46.77	76.21	574678.01	595344.77	32°38'11.7779"N	104°13'30.0870"W	89.42	58.464	0.13	0.13	-0.01	
5643.00	2.120	173.600	5640.20	2139.90	76.33	44.96	75.48	574677.27	595342.95	32°38'11.7600"N	104°13'30.0957"W	87.85	59.220	2.57	1.04	-97.27	
5738.00	1.700	151.630	5735.15	2234.85	77.14	41.97	76.34	574678.13	595339.97	32°38'11.7305"N	104°13'30.0856"W	87.12	61.199	0.88	-0.44	-23.13	
5832.00	1.740	119.180	5829.11	2328.81	79.01	40.05	78.25	574680.04	595338.05	32°38'11.7114"N	104°13'30.0633"W	87.90	62.896	1.02	0.04	-34.52	
5927.00	1.550	104.450	5924.07	2423.77	81.50	39.03	80.75	574682.55	595337.02	32°38'11.7013"N	104°13'30.0340"W	89.69	64.207	0.49	-0.20	-15.51	
6021.00	1.730	86.440	6018.03	2517.73	84.14	38.80	83.40	574685.19	595336.79	32°38'11.6990"N	104°13'30.0031"W	91.98	65.053	0.58	0.19	-19.16	
6115.00	1.760	76.220	6111.99	2611.69	86.96	39.23	86.22	574688.01	595337.22	32°38'11.7032"N	104°13'29.9701"W	94.72	65.535	0.33	0.03	-10.87	
6210.00	0.460	25.220	6206.97	2706.67	88.56	39.92	87.80	574689.59	595337.92	32°38'11.7100"N	104°13'29.9517"W	96.45	65.549	1.59	-1.37	-53.68	
6305.00	0.250	107.260	6301.97	2801.67	88.92	40.20	88.16	574689.95	595338.20	32°38'11.7128"N	104°13'29.9474"W	96.89	65.485	0.52	-0.22	86.36	
6410.00	0.960	127.850	6406.96	2906.66	89.82	39.60	89.07	574690.86	595337.59	32°38'11.7068"N	104°13'29.9368"W	97.48	66.033	0.70	0.68	19.61	6 3/4" BKR MWD Surveys 6410' - 17610' (Superior Corrected)
6505.00	5.430	113.110	6501.79	3001.49	94.54	37.34	93.84	574695.63	595335.34	32°38'11.6845"N	104°13'29.8811"W	100.99	68.300	4.75	4.71	-15.52	
6600.00	13.100	99.660	6595.49	3095.19	109.24	33.77	108.61	574710.40	595331.76	32°38'11.6489"N	104°13'29.7084"W	113.74	72.730	8.34	8.07	-14.16	
6695.00	20.070	96.190	6686.49	3186.19	136.02	30.20	135.46	574737.25	595328.19	32°38'11.6134"N	104°13'29.3944"W	138.79	77.433	7.41	7.34	-3.65	
6789.00	30.760	94.400	6771.27	3270.97	176.06	26.60	175.58	574777.36	595324.60	32°38'11.5774"N	104°13'28.9253"W	177.58	81.384	11.40	11.37	-1.90	



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

WELLPATH DATA (177 stations) † = interpolated, ‡ = extrapolated station																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
6885.00	44.270	91.650	6847.24	3346.94	234.24	23.74	233.82	574835.60	595321.74	32°38'11.5485"N	104°13'28.2443"W	235.03	84.202	14.18	14.07	-2.86	
6980.00	54.930	89.290	6908.73	3408.43	306.45	23.27	306.05	574907.83	595321.27	32°38'11.5431"N	104°13'27.3996"W	306.94	85.652	11.38	11.22	-2.48	
7076.00	57.810	87.920	6961.90	3461.60	386.37	25.23	385.95	574987.72	595323.23	32°38'11.5617"N	104°13'26.4653"W	386.77	86.260	3.23	3.00	-1.43	
7171.00	67.390	90.410	7005.57	3505.27	470.60	26.38	470.18	575071.93	595324.37	32°38'11.5722"N	104°13'25.4804"W	470.92	86.789	10.35	10.08	2.62	
7250.00†	78.006	93.374	7029.04	3528.74	545.80	23.83	545.44	575147.19	595321.83	32°38'11.5462"N	104°13'24.6003"W	545.96	87.498	13.91	13.44	3.75	FTP (660' FNL/100' FWL) @ 7250 MD
7266.00	80.160	93.940	7032.07	3531.77	561.46	22.83	561.12	575162.87	595320.83	32°38'11.5362"N	104°13'24.4169"W	561.58	87.670	13.91	13.47	3.53	
7362.00	83.360	92.600	7045.82	3545.52	656.17	17.42	655.96	575257.70	595315.42	32°38'11.4816"N	104°13'23.3080"W	656.19	88.479	3.61	3.33	-1.40	
7446.00	86.530	92.370	7053.22	3552.92	739.67	13.79	739.54	575341.28	595311.79	32°38'11.4449"N	104°13'22.3306"W	739.67	88.932	3.78	3.77	-0.27	
7541.00	88.350	92.400	7057.47	3557.17	834.40	9.84	834.36	575436.09	595307.84	32°38'11.4048"N	104°13'21.2219"W	834.42	89.324	1.92	1.92	0.03	
7637.00	88.690	92.030	7059.95	3559.65	930.20	6.13	930.26	575531.97	595304.13	32°38'11.3671"N	104°13'20.1005"W	930.28	89.622	0.52	0.35	-0.39	
7732.00	88.630	91.100	7062.17	3561.87	1025.07	3.54	1025.20	575626.90	595301.54	32°38'11.3405"N	104°13'18.9904"W	1025.20	89.802	0.98	-0.06	-0.98	
7826.00	88.690	89.940	7064.37	3564.07	1119.01	2.69	1119.16	575720.86	595300.69	32°38'11.3311"N	104°13'17.8915"W	1119.17	89.862	1.24	0.06	-1.23	
7921.00	88.690	88.050	7066.54	3566.24	1213.98	4.35	1214.12	575815.81	595302.35	32°38'11.3466"N	104°13'16.7811"W	1214.13	89.795	1.99	0.00	-1.99	
8016.00	88.410	86.620	7068.94	3568.64	1308.91	8.77	1308.99	575910.67	595306.77	32°38'11.3893"N	104°13'15.6717"W	1309.01	89.616	1.53	-0.29	-1.51	
8111.00	89.370	85.640	7070.78	3570.48	1403.78	15.18	1403.75	576005.42	595313.18	32°38'11.4517"N	104°13'14.5635"W	1403.83	89.381	1.44	1.01	-1.03	
8205.00	88.750	85.450	7072.32	3572.02	1497.61	22.48	1497.45	576099.11	595320.48	32°38'11.5229"N	104°13'13.4677"W	1497.62	89.140	0.69	-0.66	-0.20	
8300.00	88.660	85.060	7074.47	3574.17	1592.39	30.33	1592.10	576193.76	595328.33	32°38'11.5997"N	104°13'12.3608"W	1592.39	88.908	0.42	-0.09	-0.41	
8394.00	88.940	85.020	7076.44	3576.14	1686.16	38.46	1685.73	576287.37	595336.46	32°38'11.6791"N	104°13'11.2658"W	1686.17	88.693	0.30	0.30	-0.04	
8488.00	88.840	85.210	7078.26	3577.96	1779.94	46.46	1779.37	576381.01	595344.46	32°38'11.7573"N	104°13'10.1707"W	1779.98	88.504	0.23	-0.11	0.20	
8583.00	88.810	85.370	7080.21	3579.91	1874.73	54.26	1874.03	576475.66	595352.26	32°38'11.8334"N	104°13'9.0637"W	1874.81	88.341	0.17	-0.03	0.17	
8677.00	89.210	86.430	7081.83	3581.53	1968.59	60.98	1967.77	576569.39	595358.98	32°38'11.8989"N	104°13'7.9674"W	1968.72	88.225	1.21	0.43	1.13	
8772.00	88.690	87.070	7083.57	3583.27	2063.50	66.37	2062.60	576664.21	595364.36	32°38'11.9512"N	104°13'6.8584"W	2063.67	88.157	0.87	-0.55	0.67	
8866.00	87.330	87.410	7086.84	3586.54	2157.41	70.89	2156.44	576758.04	595368.88	32°38'11.9950"N	104°13'5.7611"W	2157.60	88.117	1.49	-1.45	0.36	
8962.00	88.290	88.760	7090.51	3590.21	2253.32	74.10	2252.31	576853.90	595372.09	32°38'12.0256"N	104°13'4.6399"W	2253.53	88.116	1.72	1.00	1.41	
9056.00	88.100	89.580	7093.47	3593.17	2347.27	75.46	2346.25	576947.84	595373.45	32°38'12.0381"N	104°13'3.5414"W	2347.46	88.158	0.90	-0.20	0.87	
9151.00	88.200	90.600	7096.54	3596.24	2442.20	75.31	2441.20	577042.78	595373.30	32°38'12.0356"N	104°13'2.4310"W	2442.36	88.233	1.08	0.11	1.07	
9247.00	87.860	91.050	7099.84	3599.54	2538.09	73.93	2537.13	577138.70	595371.92	32°38'12.0209"N	104°13'1.3092"W	2538.21	88.331	0.59	-0.35	0.47	
9343.00	87.950	91.130	7103.34	3603.04	2633.96	72.10	2633.05	577234.61	595370.09	32°38'12.0018"N	104°13'0.1876"W	2634.04	88.431	0.13	0.09	0.08	
9438.00	87.860	91.140	7106.82	3606.52	2728.82	70.22	2727.97	577329.52	595368.21	32°38'11.9822"N	104°12'59.0777"W	2728.87	88.525	0.10	-0.09	0.01	
9534.00	87.860	91.280	7110.40	3610.10	2824.67	68.20	2823.88	577425.42	595366.19	32°38'11.9611"N	104°12'57.9561"W	2824.70	88.617	0.15	0.00	0.15	



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

WELLPATH DATA (177 stations)																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
9628.00	87.890	90.890	7113.89	3613.59	2918.54	66.42	2917.80	577519.33	595364.41	32°38'11.9424"N	104°12'56.8579"W	2918.56	88.696	0.42	0.03	-0.41	
9723.00	87.860	90.440	7117.41	3617.11	3013.43	65.31	3012.73	577614.25	595363.31	32°38'11.9305"N	104°12'55.7479"W	3013.44	88.758	0.47	-0.03	-0.47	
9817.00	88.010	90.130	7120.80	3620.50	3107.34	64.85	3106.67	577708.18	595362.84	32°38'11.9248"N	104°12'54.6494"W	3107.34	88.804	0.37	0.16	-0.33	
9912.00	88.070	90.160	7124.05	3623.75	3202.26	64.61	3201.61	577803.12	595362.60	32°38'11.9214"N	104°12'53.5391"W	3202.26	88.844	0.07	0.06	0.03	
10008.00	88.010	90.270	7127.33	3627.03	3298.18	64.25	3297.55	577899.05	595362.24	32°38'11.9168"N	104°12'52.4172"W	3298.18	88.884	0.13	-0.06	0.11	
10103.00	88.010	90.040	7130.63	3630.33	3393.10	63.99	3392.49	577993.98	595361.98	32°38'11.9132"N	104°12'51.3070"W	3393.10	88.919	0.24	0.00	-0.24	
10198.00	87.860	89.970	7134.05	3633.75	3488.02	63.98	3487.43	578088.91	595361.98	32°38'11.9121"N	104°12'50.1968"W	3488.02	88.949	0.17	-0.16	-0.07	
10294.00	88.100	90.090	7137.44	3637.14	3583.94	63.93	3583.37	578184.84	595361.93	32°38'11.9105"N	104°12'49.0749"W	3583.94	88.978	0.28	0.25	0.13	
10388.00	88.040	89.910	7140.60	3640.30	3677.87	63.93	3677.32	578278.78	595361.93	32°38'11.9095"N	104°12'47.9763"W	3677.88	89.004	0.20	-0.06	-0.19	
10483.00	88.040	89.920	7143.85	3643.55	3772.80	64.07	3772.26	578373.72	595362.07	32°38'11.9098"N	104°12'46.8660"W	3772.81	89.027	0.01	0.00	0.01	
10578.00	88.100	89.850	7147.05	3646.75	3867.73	64.26	3867.21	578468.66	595362.26	32°38'11.9106"N	104°12'45.7557"W	3867.74	89.048	0.10	0.06	-0.07	
10672.00	88.040	89.790	7150.22	3649.92	3961.66	64.56	3961.16	578562.59	595362.55	32°38'11.9125"N	104°12'44.6571"W	3961.68	89.066	0.09	-0.06	-0.06	
10766.00	88.070	89.610	7153.41	3653.11	4055.60	65.05	4055.10	578656.53	595363.04	32°38'11.9163"N	104°12'43.5586"W	4055.62	89.081	0.19	0.03	-0.19	
10861.00	88.040	89.510	7156.63	3656.33	4150.54	65.78	4150.04	578751.46	595363.77	32°38'11.9224"N	104°12'42.4483"W	4150.56	89.092	0.11	-0.03	-0.11	
10956.00	88.100	89.490	7159.83	3659.53	4245.48	66.61	4244.99	578846.40	595364.60	32°38'11.9295"N	104°12'41.3381"W	4245.51	89.101	0.07	0.06	-0.02	
11050.00	87.860	89.060	7163.14	3662.84	4339.42	67.80	4338.92	578940.32	595365.79	32°38'11.9402"N	104°12'40.2396"W	4339.45	89.105	0.52	-0.26	-0.46	
11145.00	87.890	88.750	7166.67	3666.37	4434.35	69.61	4433.84	579035.23	595367.60	32°38'11.9571"N	104°12'39.1297"W	4434.38	89.101	0.33	0.03	-0.33	
11240.00	88.320	88.520	7169.81	3669.51	4529.30	71.87	4528.76	579130.14	595369.87	32°38'11.9784"N	104°12'38.0196"W	4529.33	89.091	0.51	0.45	-0.24	
11335.00	87.830	88.030	7173.00	3672.70	4624.24	74.73	4623.66	579225.04	595372.72	32°38'12.0056"N	104°12'36.9098"W	4624.26	89.074	0.73	-0.52	-0.52	
11429.00	88.100	87.890	7176.34	3676.04	4718.17	78.07	4717.54	579318.91	595376.07	32°38'12.0376"N	104°12'35.8120"W	4718.19	89.052	0.32	0.29	-0.15	
11524.00	88.200	87.640	7179.40	3679.10	4813.10	81.78	4812.42	579413.78	595379.77	32°38'12.0731"N	104°12'34.7024"W	4813.11	89.026	0.28	0.11	-0.26	
11619.00	88.160	86.920	7182.42	3682.12	4908.01	86.28	4907.26	579508.61	595384.28	32°38'12.1166"N	104°12'33.5933"W	4908.02	88.993	0.76	-0.04	-0.76	
11714.00	87.950	86.460	7185.65	3685.35	5002.89	91.77	5002.05	579603.39	595389.76	32°38'12.1698"N	104°12'32.4848"W	5002.89	88.949	0.53	-0.22	-0.48	
11809.00	89.120	87.140	7188.07	3687.77	5097.79	97.07	5096.87	579698.20	595395.06	32°38'12.2211"N	104°12'31.3759"W	5097.79	88.909	1.42	1.23	0.72	
11903.00	88.870	87.080	7189.72	3689.42	5191.73	101.80	5190.74	579792.06	595399.80	32°38'12.2669"N	104°12'30.2782"W	5191.73	88.876	0.27	-0.27	-0.06	
11998.00	88.690	87.300	7191.75	3691.45	5286.67	106.46	5285.60	579886.92	595404.45	32°38'12.3119"N	104°12'29.1688"W	5286.67	88.846	0.30	-0.19	0.23	
12093.00	88.660	87.510	7193.94	3693.64	5381.61	110.76	5380.48	579981.78	595408.75	32°38'12.3533"N	104°12'28.0593"W	5381.62	88.821	0.22	-0.03	0.22	
12188.00	88.690	87.440	7196.14	3695.84	5476.56	114.95	5475.36	580076.66	595412.93	32°38'12.3936"N	104°12'26.9497"W	5476.57	88.797	0.08	0.03	-0.07	
12283.00	88.660	88.220	7198.34	3698.04	5571.52	118.54	5570.26	580171.55	595416.53	32°38'12.4281"N	104°12'25.8398"W	5571.53	88.781	0.82	-0.03	0.82	
12377.00	88.720	88.740	7200.48	3700.18	5665.49	121.03	5664.21	580265.49	595419.02	32°38'12.4516"N	104°12'24.7413"W	5665.50	88.776	0.56	0.06	0.55	



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

WELLPATH DATA (177 stations)																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12472.00	88.720	89.250	7202.61	3702.31	5760.46	122.70	5759.17	580360.44	595420.69	32°38'12.4670"N	104°12'23.6308"W	5760.47	88.779	0.54	0.00	0.54	
12567.00	88.720	89.370	7204.73	3704.43	5855.44	123.84	5854.14	580455.40	595421.83	32°38'12.4772"N	104°12'22.5202"W	5855.45	88.788	0.13	0.00	0.13	
12662.00	86.810	88.200	7208.43	3708.13	5950.36	125.86	5949.04	580550.29	595423.84	32°38'12.4960"N	104°12'21.4104"W	5950.37	88.788	2.36	-2.01	-1.23	
12757.00	88.870	88.910	7212.01	3711.71	6045.29	128.25	6043.93	580645.18	595426.24	32°38'12.5185"N	104°12'20.3007"W	6045.29	88.784	2.29	2.17	0.75	
12852.00	89.090	88.660	7213.71	3713.41	6140.27	130.26	6138.90	580740.14	595428.25	32°38'12.5373"N	104°12'19.1902"W	6140.28	88.784	0.35	0.23	-0.26	
12947.00	89.490	89.100	7214.88	3714.58	6235.26	132.12	6233.87	580835.10	595430.11	32°38'12.5546"N	104°12'18.0795"W	6235.27	88.786	0.63	0.42	0.46	
13042.00	87.670	88.250	7217.24	3716.94	6330.23	134.32	6328.81	580930.03	595432.30	32°38'12.5752"N	104°12'16.9693"W	6330.24	88.784	2.11	-1.92	-0.89	
13138.00	87.580	88.580	7221.22	3720.92	6426.14	136.97	6424.69	581025.90	595434.96	32°38'12.6003"N	104°12'15.8481"W	6426.15	88.779	0.36	-0.09	0.34	
13232.00	87.020	88.770	7225.64	3725.34	6520.04	139.14	6518.56	581119.77	595437.13	32°38'12.6206"N	104°12'14.7503"W	6520.05	88.777	0.63	-0.60	0.20	
13327.00	86.960	89.150	7230.63	3730.33	6614.90	140.86	6613.42	581214.61	595438.85	32°38'12.6365"N	104°12'13.6411"W	6614.92	88.780	0.40	-0.06	0.40	
13423.00	87.050	89.550	7235.65	3735.35	6710.77	141.95	6709.28	581310.46	595439.94	32°38'12.6461"N	104°12'12.5201"W	6710.78	88.788	0.43	0.09	0.42	
13518.00	86.220	89.440	7241.22	3740.92	6805.60	142.79	6804.11	581405.29	595440.77	32°38'12.6532"N	104°12'11.4111"W	6805.61	88.798	0.88	-0.87	-0.12	
13613.00	85.420	88.910	7248.15	3747.85	6900.35	144.15	6898.85	581500.01	595442.14	32°38'12.6656"N	104°12'10.3033"W	6900.35	88.803	1.01	-0.84	-0.56	
13708.00	85.480	89.050	7255.68	3755.38	6995.05	145.84	6993.53	581594.69	595443.82	32°38'12.6811"N	104°12'9.1960"W	6995.05	88.805	0.16	0.06	0.15	
13803.00	85.420	89.220	7263.22	3762.92	7089.75	147.26	7088.22	581689.37	595445.25	32°38'12.6941"N	104°12'8.0887"W	7089.75	88.810	0.19	-0.06	0.18	
13899.00	85.420	89.050	7270.89	3770.59	7185.44	148.71	7183.90	581785.05	595446.70	32°38'12.7072"N	104°12'6.9698"W	7185.44	88.814	0.18	0.00	-0.18	
13994.00	85.450	89.090	7278.45	3778.15	7280.14	150.25	7278.59	581879.72	595448.23	32°38'12.7213"N	104°12'5.8625"W	7280.14	88.817	0.05	0.03	0.04	
14089.00	85.570	89.190	7285.88	3785.58	7374.84	151.67	7373.29	581974.41	595449.65	32°38'12.7342"N	104°12'4.7552"W	7374.85	88.822	0.16	0.13	0.11	
14184.00	85.390	89.160	7293.37	3793.07	7469.55	153.03	7467.98	582069.10	595451.02	32°38'12.7465"N	104°12'3.6478"W	7469.55	88.826	0.19	-0.19	-0.03	
14279.00	85.480	89.340	7300.93	3800.63	7564.24	154.27	7562.67	582163.78	595452.26	32°38'12.7576"N	104°12'2.5405"W	7564.25	88.831	0.21	0.09	0.19	
14375.00	85.360	89.390	7308.60	3808.30	7659.93	155.33	7658.36	582259.46	595453.32	32°38'12.7669"N	104°12'1.4215"W	7659.94	88.838	0.14	-0.12	0.05	
14470.00	87.150	90.210	7314.80	3814.50	7754.71	155.66	7753.15	582354.24	595453.65	32°38'12.7690"N	104°12'0.3130"W	7754.72	88.850	2.07	1.88	0.86	
14566.00	87.020	90.080	7319.68	3819.38	7850.57	155.42	7849.03	582450.11	595453.40	32°38'12.7654"N	104°11'59.1919"W	7850.57	88.866	0.19	-0.14	-0.14	
14661.00	87.090	90.310	7324.57	3824.27	7945.42	155.10	7943.90	582544.97	595453.08	32°38'12.7610"N	104°11'58.0825"W	7945.42	88.882	0.25	0.07	0.24	
14756.00	87.020	90.570	7329.45	3829.15	8040.26	154.37	8038.77	582639.84	595452.35	32°38'12.7526"N	104°11'56.9731"W	8040.26	88.900	0.28	-0.07	0.27	
14851.00	88.320	90.990	7333.31	3833.01	8135.12	153.08	8133.68	582734.74	595451.06	32°38'12.7387"N	104°11'55.8632"W	8135.13	88.922	1.44	1.37	0.44	
14946.00	88.230	91.110	7336.17	3835.87	8230.01	151.34	8228.63	582829.67	595449.32	32°38'12.7203"N	104°11'54.7530"W	8230.02	88.946	0.16	-0.09	0.13	
15041.00	88.840	90.990	7338.60	3838.30	8324.91	149.60	8323.58	582924.62	595447.58	32°38'12.7019"N	104°11'53.6427"W	8324.92	88.970	0.65	0.64	-0.13	
15135.00	88.660	90.650	7340.65	3840.35	8418.84	148.25	8417.55	583018.57	595446.24	32°38'12.6874"N	104°11'52.5439"W	8418.85	88.991	0.41	-0.19	-0.36	
15232.00	88.690	90.110	7342.89	3842.59	8515.78	147.61	8514.52	583115.54	595445.59	32°38'12.6798"N	104°11'51.4099"W	8515.80	89.007	0.56	0.03	-0.56	



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

WELLPATH DATA (177 stations) † = interpolated, ‡ = extrapolated station																	
MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	TVDSS [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Closure Dist [ft]	Closure Dir [°]	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15327.00	89.610	89.990	7344.30	3844.00	8610.75	147.52	8609.51	583210.52	595445.51	32°38'12.6778"N	104°11'50.2991"W	8610.77	89.018	0.98	0.97	-0.13	
15422.00	90.480	89.940	7344.23	3843.93	8705.73	147.58	8704.51	583305.51	595445.57	32°38'12.6771"N	104°11'49.1882"W	8705.76	89.029	0.92	0.92	-0.05	
15517.00	90.290	89.460	7343.59	3843.29	8800.72	148.08	8799.50	583400.50	595446.07	32°38'12.6808"N	104°11'48.0774"W	8800.75	89.036	0.54	-0.20	-0.51	
15612.00	90.410	88.850	7343.01	3842.71	8895.71	149.48	8894.49	583495.47	595447.47	32°38'12.6935"N	104°11'46.9666"W	8895.74	89.037	0.65	0.13	-0.64	
15708.00	89.920	88.340	7342.73	3842.43	8991.71	151.83	8990.46	583591.44	595449.82	32°38'12.7156"N	104°11'45.8443"W	8991.74	89.032	0.74	-0.51	-0.53	
15803.00	90.040	88.130	7342.76	3842.46	9086.71	154.76	9085.41	583686.38	595452.75	32°38'12.7433"N	104°11'44.7338"W	9086.73	89.024	0.25	0.13	-0.22	
15899.00	89.950	87.650	7342.77	3842.47	9182.69	158.29	9181.35	583782.31	595456.28	32°38'12.7770"N	104°11'43.6120"W	9182.71	89.012	0.51	-0.09	-0.50	
15994.00	89.890	87.200	7342.90	3842.60	9277.66	162.56	9276.25	583877.20	595460.55	32°38'12.8180"N	104°11'42.5021"W	9277.68	88.996	0.48	-0.06	-0.47	
16090.00	90.070	87.210	7342.94	3842.64	9373.62	167.24	9372.14	583973.08	595465.23	32°38'12.8631"N	104°11'41.3808"W	9373.63	88.978	0.19	0.19	0.01	
16185.00	90.140	87.120	7342.76	3842.46	9468.58	171.94	9467.02	584067.95	595469.93	32°38'12.9084"N	104°11'40.2711"W	9468.58	88.959	0.12	0.07	-0.09	
16280.00	90.170	86.940	7342.51	3842.21	9563.53	176.87	9561.89	584162.82	595474.85	32°38'12.9559"N	104°11'39.1616"W	9563.53	88.940	0.19	0.03	-0.19	
16376.00	90.140	86.950	7342.25	3841.95	9659.47	181.98	9657.76	584258.67	595479.96	32°38'13.0052"N	104°11'38.0406"W	9659.47	88.921	0.03	-0.03	0.01	
16471.00	90.260	87.040	7341.92	3841.62	9754.42	186.96	9752.63	584353.53	595484.94	32°38'13.0533"N	104°11'36.9311"W	9754.42	88.902	0.16	0.13	0.09	
16567.00	89.980	87.080	7341.71	3841.41	9850.37	191.89	9848.50	584449.40	595489.87	32°38'13.1008"N	104°11'35.8099"W	9850.37	88.884	0.29	-0.29	0.04	
16661.00	89.740	87.380	7341.94	3841.64	9944.33	196.43	9942.39	584543.28	595494.41	32°38'13.1445"N	104°11'34.7119"W	9944.33	88.868	0.41	-0.26	0.32	
16756.00	89.800	87.900	7342.33	3842.03	10039.30	200.34	10037.31	584638.19	595498.32	32°38'13.1819"N	104°11'33.6019"W	10039.31	88.857	0.55	0.06	0.55	
16851.00	89.610	88.480	7342.81	3842.51	10134.30	203.34	10132.26	584733.13	595501.32	32°38'13.2104"N	104°11'32.4915"W	10134.30	88.850	0.64	-0.20	0.61	
16946.00	89.740	88.730	7343.35	3843.05	10229.29	205.65	10227.23	584828.09	595503.63	32°38'13.2320"N	104°11'31.3809"W	10229.30	88.848	0.30	0.14	0.26	
17040.00	89.640	89.060	7343.86	3843.56	10323.29	207.47	10321.21	584922.06	595505.45	32°38'13.2487"N	104°11'30.2819"W	10323.29	88.848	0.37	-0.11	0.35	
17135.00	89.580	89.710	7344.51	3844.21	10418.29	208.49	10416.20	585017.05	595506.47	32°38'13.2576"N	104°11'29.1710"W	10418.29	88.853	0.69	-0.06	0.68	
17230.00	89.670	90.490	7345.13	3844.83	10513.26	208.32	10511.20	585112.03	595506.30	32°38'13.2547"N	104°11'28.0602"W	10513.26	88.865	0.83	0.09	0.82	
17325.00	89.580	90.780	7345.75	3845.45	10608.21	207.27	10606.19	585207.02	595505.25	32°38'13.2430"N	104°11'26.9494"W	10608.21	88.880	0.32	-0.09	0.31	
17420.00	89.640	90.760	7346.40	3846.10	10703.16	205.99	10701.18	585302.00	595503.97	32°38'13.2291"N	104°11'25.8386"W	10703.16	88.897	0.07	0.06	-0.02	
17515.00	89.670	89.770	7346.97	3846.67	10798.13	205.55	10796.18	585396.99	595503.53	32°38'13.2235"N	104°11'24.7277"W	10798.13	88.909	1.04	0.03	-1.04	
17588.00†	89.839	89.363	7347.28	3846.98	10871.13	206.10	10869.17	585469.98	595504.08	32°38'13.2280"N	104°11'23.8741"W	10871.13	88.914	0.60	0.23	-0.56	LTP (660' FNL/100' FEL) @ 17588 MD
17610.00	89.890	89.240	7347.34	3847.04	10893.12	206.37	10891.17	585491.97	595504.35	32°38'13.2303"N	104°11'23.6169"W	10893.13	88.914	0.60	0.23	-0.56	Last BKR MWD Survey @ 17610 MD
17635.00‡	89.890	89.240	7347.38	3847.08	10918.12	206.70	10916.17	585516.97	595504.68	32°38'13.2333"N	104°11'23.3245"W	10918.13	88.915	0.00	0.00	0.00	Projection to TD @ 17635 MD



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

TARGETS								
Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Palmillo 29-30 State Com 271H - FTP	7064.24	33.20	545.25	575147.00	595331.20	32°38'11.6389"N	104°13'24.6024"W	point
Palmillo 29-30 State Com 271H - IP2	7087.02	53.87	1741.94	576343.58	595351.87	32°38'11.8310"N	104°13'10.6083"W	point
Palmillo 29-30 State Com 271H - IP1	7093.46	41.78	1041.57	575643.27	595339.78	32°38'11.7187"N	104°13'18.7984"W	point
Palmillo 29-30 State Com 271H - IP3	7108.45	68.00	2560.82	577162.39	595365.99	32°38'11.9620"N	104°13'1.0323"W	point
Palmillo 29-30 State Com 271H - IP4	7135.88	79.22	3210.75	577812.26	595377.21	32°38'12.0659"N	104°12'53.4320"W	point
Palmillo 29-30 State Com 271H - IP5	7166.40	92.59	3985.90	578587.33	595390.58	32°38'12.1895"N	104°12'44.3675"W	point
Palmillo 29-30 State Com 271H - IP6	7198.57	104.24	4661.37	579262.74	595402.23	32°38'12.2971"N	104°12'36.4685"W	point
Palmillo 29-30 State Com 271H - IP8	7215.35	128.40	6061.45	580662.69	595426.39	32°38'12.5198"N	104°12'20.0959"W	point



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Palmillo 29-30 State Com 271H - IP7	7216.13	117.29	5417.77	580019.07	595415.28	32°38'12.4175"N	104°12'27.6231"W	point
Palmillo 29-30 State Com 271H - IP9	7254.99	141.02	6792.94	581394.12	595439.01	32°38'12.6359"N	104°12'11.5418"W	point
Palmillo 29-30 State Com 271H - IP10	7311.22	156.01	7661.93	582263.03	595454.00	32°38'12.7736"N	104°12'1.3797"W	point
Palmillo 29-30 State Com 271H - IP11	7366.14	171.55	8562.27	583163.29	595469.53	32°38'12.9160"N	104°11'50.8511"W	point
Palmillo 29-30 State Com 271H - IP12	7369.78	186.00	9400.01	584000.95	595483.98	32°38'13.0483"N	104°11'41.0545"W	point
Palmillo 29-30 State Com 271H - IP13	7373.11	201.74	10312.43	584913.29	595499.72	32°38'13.1922"N	104°11'30.3846"W	point
Palmillo 29-30 State Com 271H - LTP	7379.84	211.32	10874.10	585474.90	595509.30	32°38'13.2795"N	104°11'23.8165"W	point



Actual Wellpath Report

Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

WELLPATH COMPOSITION - Ref Wellbore: Palmillo 29-30 State Com 271H Ref Wellpath: Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
26.30	3333.30	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	Imported Surface/Intermediate MWD Surveys 69.30' - 3333.30' (adjusted for rig KB)	Palmillo 29-30 State Com 271H	2/15/2023
3333.30	6305.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	9 7/8" BKR NT MWD Surveys 3466' - 6305' (Superior Corrected)	Palmillo 29-30 State Com 271H	2/15/2023
6305.00	17635.00	Custom OWSG MWD+IFR1+SAG+FDIR (Approximation)	6 3/4" BKR MWD Surveys 6410' - 17610' (Superior Corrected)	Palmillo 29-30 State Com 271H	2/15/2023



Actual Wellpath Report
Palmillo 29-30 State Com 271H FINAL 69.30' - 17610' Proj: 17635'
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REFERENCE WELLPATH IDENTIFICATION			
Operator	Apache Corporation	Well	Palmillo 29-30 State Com 271H
Field	Winchester; Bone Spring, West - Eddy County, NM (NAD-83)	API	30-015-50201
Facility	Palmillo 29-30 State Com Pad	Wellbore	Palmillo 29-30 State Com 271H
Slot	Palmillo 29-30 State Com 271H		

COMMENTS
Wellpath general comments Imported Surface/Intermediate MWD Surveys 69.30' - 3333.30' 9 7/8" BRK NT MWD Surveys 3466' - 6305' (Superior Corrected) 6 3/4" BKR MWD Surveys 6410' - 17610' (Superior Corrected) FTP (660' FNL/100' FWL) @ 7250 MD LTP (660' FNL/100' FEL) @ 17588 MD Last BKR MWD Survey @ 17610 MD Projection to TD @ 17635 MD

Submit a 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

Form C-103
 Revised July 18, 2013

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

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.
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator		6. State Oil & Gas Lease No.
3. Address of Operator		7. Lease Name or Unit Agreement Name
4. Well Location Unit Letter _____: _____ feet from the _____ line and _____ feet from the _____ line Section _____ Township _____ Range _____ NMPM _____ County _____		8. Well Number
		9. OGRID Number
		10. Pool name or Wildcat
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		

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

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

Spud Date:

Rig Release Date:

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

SIGNATURE alicia fulton TITLE _____ DATE _____

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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 29-30 STATE COM		
								6. Well Number: 271H		
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:	A	25	19S	27E		700	N	445	E	EDDY
BH:	A	29	19S	28E		665	N	58	E	EDDY
13. Date Spudded 01/09/2023	14. Date T.D. Reached 03/22/2023		15. Date Rig Released 03/22/2023			16. Date Completed (Ready to Produce) 10/04/2023		17. Elevations (DF and RKB, RT, GR, etc.) 3474		
18. Total Measured Depth of Well 17635			19. Plug Back Measured Depth 17590			20. Was Directional Survey Made? Y		21. Type Electric and Other Logs Run		
22. Producing Interval(s), of this completion - Top, Bottom, Name 7267-17551										
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		54.50		389		17 1/2		500		
9 5/8		40		3367		12 1/4		1200		
5 1/2		20		17614		8 3/4		2335		
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE		DEPTH SET		PACKER SET
						2 7/8		7001		
26. Perforation record (interval, size, and number) 7267-17551					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					7267-17551		frac w/12,386,643lb 100 mesh,20/40 2,751,190lb total fluid 355,742			
28. PRODUCTION										
Date First Production 10/04/2023		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 10/13/2023	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1496	Gas - MCF 828	Water - Bbl. 2214	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>)				
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										
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 <i>alicia fulton</i>			Printed Name Alicia Fulton			Title Sr. Regulatory Analyst			Date 11/14/2023	
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 653	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1417	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1524	T. Silurian	T. Menefee	T. Madison
T. Grayburg 1919	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 2388	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 3262	T. Todilto	
T. Abo	T. Rustler	T. Entrada	
T. Wolfcamp	T. Tansill 449	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.....

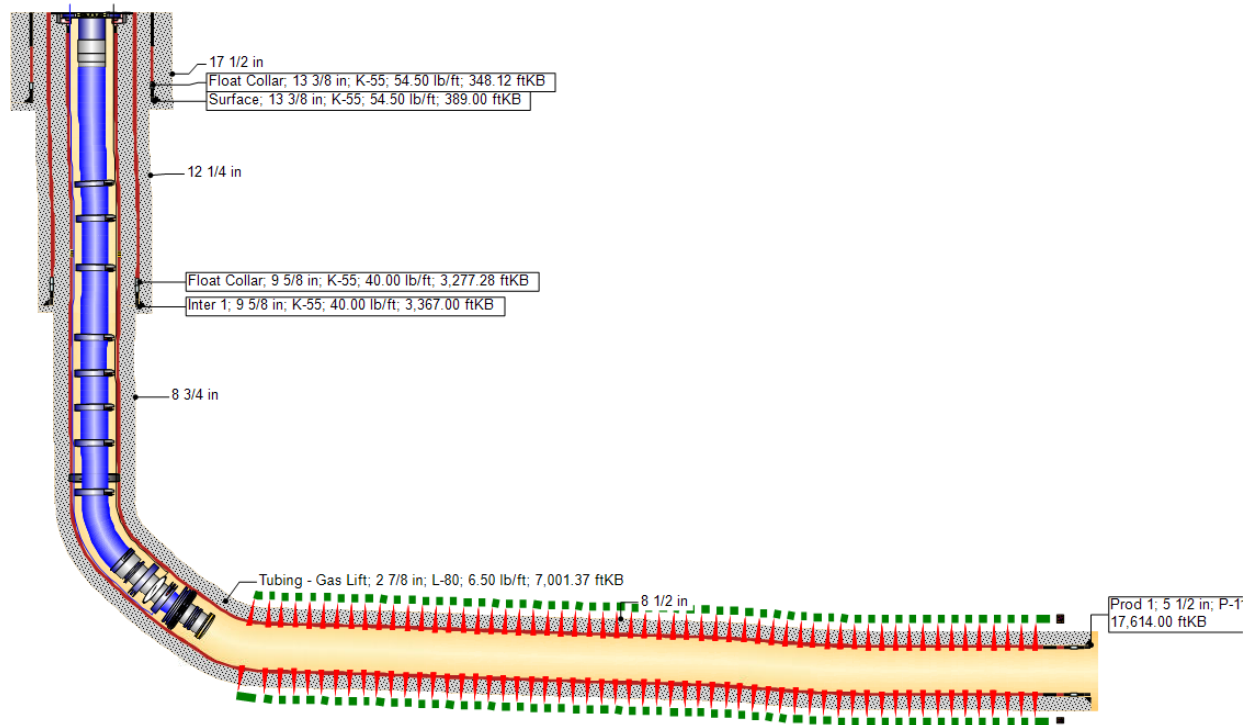
No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology

New Dev, PALMILLO 29-30 STATE COM 271H - Original Hole, 11/8/2023 1:17:59 PM

Directional schematic (actual)



PERFS 7267-17551

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 324865

ACKNOWLEDGMENTS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 324865
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 324865

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CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	3/20/2024