

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Cimarex Energy Company 600 N. Marienfeld St., Suite 600 Midland, TX 79701		² OGRID Number 215099
		³ Reason for Filing Code/ Effective Date NW 7/19/21
⁴ API Number 30 - 025-46998	⁵ Pool Name Diamond Tail; Bone Spring	⁶ Pool Code 17644
⁷ Property Code 327312	⁸ Property Name Red Tank 3 Federal Com	⁹ Well Number 14H

II. 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	4	23S	32E		330	South	508	East	Lea

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
4	3	23S	32E		100	North	331	West	Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 7/19/21	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
248749	DCP Midstream	G
021778	Sunoco Inc. R&M	O

IV. Well Completion Data

²¹ Spud Date 1/6/21	²² Ready Date 7/19/21	²³ TD 16,829MD/ 12,010TVD	²⁴ PBTD 16,820	²⁵ Perforations 12,023 - 16,7958	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1006	997		
12-1/4	9-5/8	4721	1923		
8-3/4	7	12,233	1184		
6	4-1/2 2-3/8tbg	16,829 10,415	349		

V. Well Test Data

³¹ Date New Oil 7/20/21	³² Gas Delivery Date 7/19/21	³³ Test Date 8/6/21	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure 2253	³⁶ Csg. Pressure 693
³⁷ Choke Size	³⁸ Oil 1048	³⁹ Water 1190	⁴⁰ Gas 1475		⁴¹ Test Method Gas Lift

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: 	OIL CONSERVATION DIVISION Approved by: Leonard R. Lowe
Printed name: Kanicia Schlichting	Title: Engineer
Title: Regulatory Analyst	Approval Date: 03/24/2022
E-mail Address: kschlichting@cimarex.com	
Date: 10/12/21	Phone: 432-571-7894

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 30-025-46998		² Pool Code 17644		³ Pool Name Diamond Tail; Bone Spring	
⁴ Property Code 327312		⁵ Property Name RED TANK 3 FEDERAL COM			⁶ Well Number 14H
⁷ OGRID No. 215099		⁸ Operator Name CIMAREX ENERGY CO.			⁹ Elevation 3690.2'

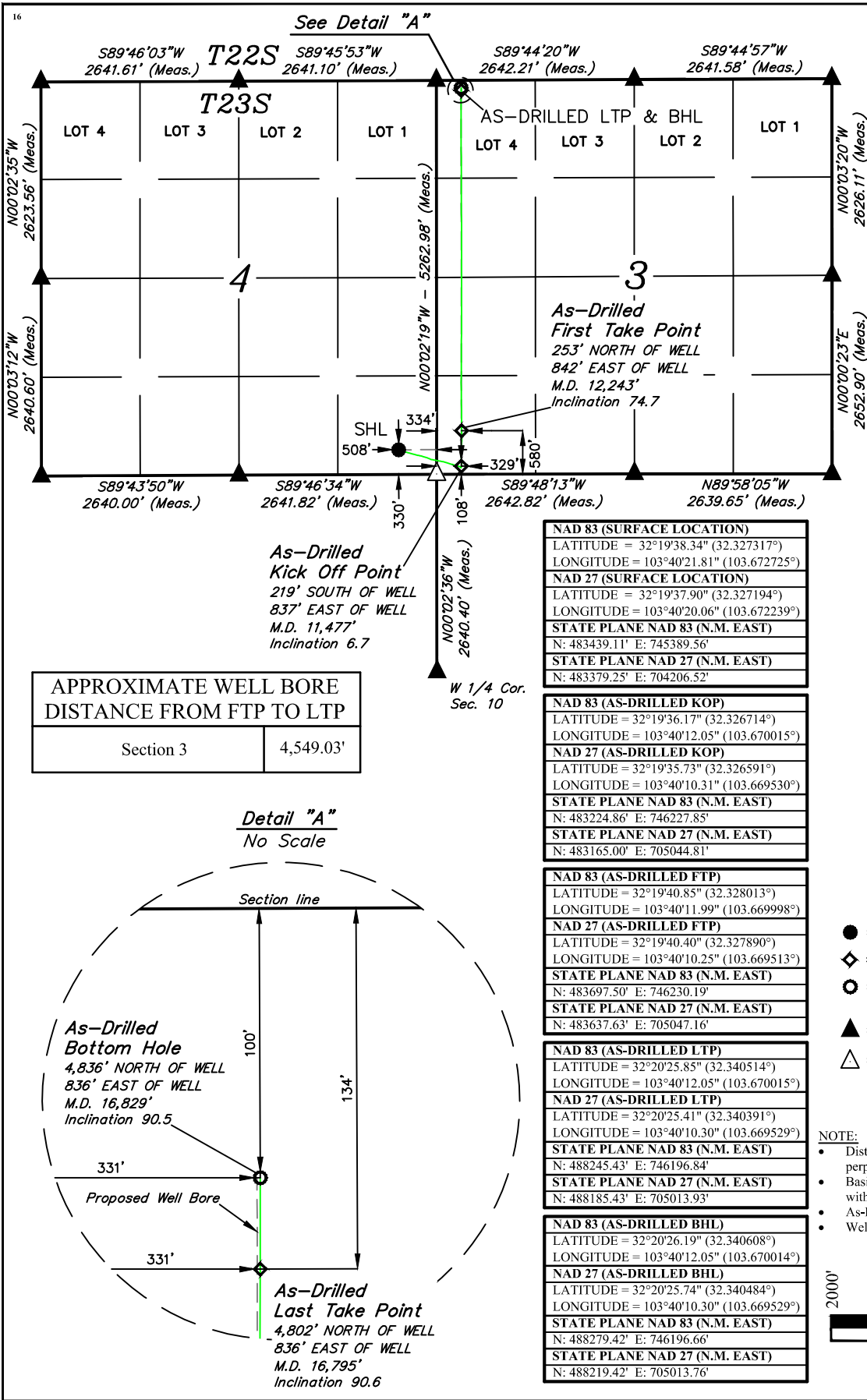
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	23S	32E		330	SOUTH	508	EAST	LEA

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
4	3	23S	32E		100	NORTH	331	WEST	LEA
¹² Dedicated Acres 159.48		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

K. Schlichting 10/7/21
Signature Date

Kanicia Schlichting
Printed Name

kschlichting@cimarex.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.

October 22, 2014
Date of Survey

Signature and Seal of Professional Surveyor:

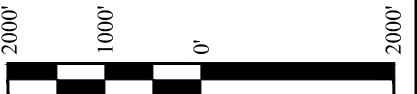
PAUL BUCHELE
NEW MEXICO
23782
09-26-21
PROFESSIONAL SURVEYOR

Certificate Number:

- = SURFACE HOLE LOCATION
- ◆ = AS-DRILLED TAKE POINT
- = AS-DRILLED BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED
- △ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°41'56.73" (NAD 83)
- As-Drilled Surface Hole Location not field verified.
- Well bore information supplied by Cimarex Energy Co.



SCALE
DRAWN BY: C.D. 09-26-21



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

REPORT SETUP INFORMATION			
Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 6.0
North Reference	Grid	User	Moyagusa
Scale	0.999957	Report Generated	21/Jan/2021 at 07:39
Convergence at slot	0.35° 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	0.00	0.00	745389.56	483439.11	32°19'38.3407"N	103°40'21.8073"W
Facility Reference Pt			745389.56	483439.11	32°19'38.3407"N	103°40'21.8073"W
Field Reference Pt			533303.25	1273342.63	34°30'0.0000"N	104°21'36.0000"W

WELLPATH DATUM			
Calculation method	Minimum curvature	Cactus 163 (RKB) to Facility Vertical Datum	3715.20ft
Horizontal Reference Pt	Slot	Cactus 163 (RKB) to Mean Sea Level	3715.20ft
Vertical Reference Pt	Cactus 163 (RKB)	Cactus 163 (RKB) to Ground Level at Slot (Red Tank 3 Federal Com 14H)	25.00ft
MD Reference Pt	Cactus 163 (RKB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	359.62°



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Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
0.00†	0.000	29.860	0.00	0.00	0.00	0.00	745389.56	483439.11	32°19'38.3407"N	103°40'21.8073"W	0.00	0.00	0.00	
25.00	0.000	29.860	25.00	0.00	0.00	0.00	745389.56	483439.11	32°19'38.3407"N	103°40'21.8073"W	0.00	0.00	0.00	
179.00	1.140	29.860	178.99	1.32	1.33	0.76	745390.32	483440.44	32°19'38.3538"N	103°40'21.7983"W	0.74	0.74	0.00	17-1/2" Trueshot MWD Surveys 179'-936'
310.00	1.210	30.190	309.96	3.64	3.65	2.11	745391.67	483442.76	32°19'38.3768"N	103°40'21.7824"W	0.05	0.05	0.25	
400.00	1.270	28.740	399.94	5.33	5.35	3.06	745392.62	483444.46	32°19'38.3935"N	103°40'21.7712"W	0.08	0.07	-1.61	
491.00	1.320	26.650	490.92	7.14	7.17	4.02	745393.58	483446.28	32°19'38.4115"N	103°40'21.7599"W	0.08	0.05	-2.30	
582.00	0.370	125.640	581.91	7.91	7.94	4.73	745394.29	483447.05	32°19'38.4190"N	103°40'21.7516"W	1.57	-1.04	108.78	
674.00	0.650	148.500	673.91	7.28	7.32	5.24	745394.80	483446.43	32°19'38.4128"N	103°40'21.7456"W	0.37	0.30	24.85	
764.00	0.580	149.930	763.90	6.45	6.49	5.74	745395.30	483445.60	32°19'38.4046"N	103°40'21.7399"W	0.08	-0.08	1.59	
856.00	0.650	145.410	855.90	5.62	5.66	6.27	745395.83	483444.77	32°19'38.3963"N	103°40'21.7338"W	0.09	0.08	-4.91	
936.00	0.650	148.390	935.89	4.85	4.90	6.76	745396.32	483444.01	32°19'38.3888"N	103°40'21.7281"W	0.04	0.00	3.72	
1049.00	0.540	145.200	1048.88	3.86	3.91	7.40	745396.96	483443.02	32°19'38.3790"N	103°40'21.7207"W	0.10	-0.10	-2.82	12-1/4" TrueShot MWD Surveys 1049'-4662'
1143.00	1.840	114.920	1142.86	2.85	2.91	9.02	745398.58	483442.02	32°19'38.3690"N	103°40'21.7019"W	1.49	1.38	-32.21	
1237.00	3.840	107.920	1236.74	1.22	1.31	13.39	745402.95	483440.42	32°19'38.3529"N	103°40'21.6511"W	2.16	2.13	-7.45	
1331.00	5.040	114.000	1330.46	-1.47	-1.34	20.16	745409.71	483437.77	32°19'38.3263"N	103°40'21.5725"W	1.37	1.28	6.47	
1426.00	5.480	115.150	1425.06	-5.15	-4.96	28.07	745417.63	483434.15	32°19'38.2899"N	103°40'21.4805"W	0.48	0.46	1.21	
1521.00	5.960	109.130	1519.59	-8.75	-8.51	36.84	745426.40	483430.60	32°19'38.2543"N	103°40'21.3786"W	0.81	0.51	-6.34	
1615.00	6.450	108.830	1613.04	-12.12	-11.81	46.45	745436.01	483427.30	32°19'38.2210"N	103°40'21.2668"W	0.52	0.52	-0.32	
1709.00	6.440	107.810	1706.44	-15.50	-15.13	56.46	745446.02	483423.98	32°19'38.1876"N	103°40'21.1503"W	0.12	-0.01	-1.09	
1803.00	6.480	110.840	1799.85	-19.07	-18.63	66.44	745456.00	483420.48	32°19'38.1524"N	103°40'21.0343"W	0.37	0.04	3.22	
1898.00	6.670	111.890	1894.22	-23.10	-22.59	76.57	745466.13	483416.52	32°19'38.1125"N	103°40'20.9166"W	0.24	0.20	1.11	
2087.00	7.380	103.140	2081.81	-30.10	-29.44	98.58	745488.13	483409.67	32°19'38.0434"N	103°40'20.6606"W	0.68	0.38	-4.63	
2181.00	7.400	104.780	2175.02	-33.09	-32.36	110.31	745499.86	483406.75	32°19'38.0138"N	103°40'20.5241"W	0.23	0.02	1.74	
2275.00	7.600	105.510	2268.22	-36.38	-35.57	122.15	745511.71	483403.55	32°19'37.9814"N	103°40'20.3863"W	0.24	0.21	0.78	
2464.00	7.630	106.320	2455.55	-43.40	-42.43	146.24	745535.79	483396.68	32°19'37.9119"N	103°40'20.1061"W	0.06	0.02	0.43	
2558.00	7.610	105.860	2548.72	-46.94	-45.89	158.21	745547.76	483393.22	32°19'37.8770"N	103°40'19.9668"W	0.07	-0.02	-0.49	
2652.00	7.780	105.690	2641.88	-50.44	-49.31	170.32	745559.88	483389.80	32°19'37.8424"N	103°40'19.8259"W	0.18	0.18	-0.18	
2747.00	7.940	108.200	2735.99	-54.31	-53.10	182.75	745572.30	483386.01	32°19'37.8042"N	103°40'19.6814"W	0.40	0.17	2.64	
2841.00	7.910	106.590	2829.09	-58.27	-56.97	195.11	745584.67	483382.14	32°19'37.7651"N	103°40'19.5376"W	0.24	-0.03	-1.71	
2936.00	7.960	106.790	2923.18	-62.12	-60.74	207.68	745597.23	483378.37	32°19'37.7271"N	103°40'19.3914"W	0.06	0.05	0.21	



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'
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Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
3030.00	7.730	104.100	3016.30	-65.62	-64.16	220.04	745609.59	483374.95	32°19'37.6925"N	103°40'19.2476"W	0.46	-0.24	-2.86	
3124.00	7.190	101.490	3109.50	-68.41	-66.87	231.94	745621.48	483372.24	32°19'37.6649"N	103°40'19.1092"W	0.68	-0.57	-2.78	
3218.00	7.180	101.120	3202.76	-70.79	-69.18	243.46	745633.01	483369.94	32°19'37.6414"N	103°40'18.9750"W	0.05	-0.01	-0.39	
3312.00	7.060	100.730	3296.04	-73.07	-71.39	254.90	745644.45	483367.73	32°19'37.6188"N	103°40'18.8418"W	0.14	-0.13	-0.41	
3406.00	7.070	99.950	3389.33	-75.22	-73.46	266.28	745655.83	483365.65	32°19'37.5976"N	103°40'18.7094"W	0.10	0.01	-0.83	
3501.00	6.870	100.410	3483.62	-77.34	-75.50	277.62	745667.17	483363.62	32°19'37.5768"N	103°40'18.5774"W	0.22	-0.21	0.48	
3595.00	6.070	104.230	3577.02	-79.64	-77.73	287.97	745677.52	483361.38	32°19'37.5540"N	103°40'18.4569"W	0.97	-0.85	4.06	
3689.00	5.680	104.530	3670.53	-82.09	-80.12	297.29	745686.84	483358.99	32°19'37.5298"N	103°40'18.3485"W	0.42	-0.41	0.32	
3783.00	6.260	103.210	3764.02	-84.49	-82.46	306.78	745696.33	483356.65	32°19'37.5061"N	103°40'18.2380"W	0.63	0.62	-1.40	
3877.00	6.300	103.110	3857.46	-86.90	-84.80	316.80	745706.34	483354.31	32°19'37.4823"N	103°40'18.1215"W	0.04	0.04	-0.11	
3972.00	6.670	105.770	3951.85	-89.65	-87.48	327.18	745716.73	483351.63	32°19'37.4551"N	103°40'18.0007"W	0.50	0.39	2.80	
4066.00	7.640	109.310	4045.12	-93.28	-91.03	338.33	745727.88	483348.08	32°19'37.4193"N	103°40'17.8710"W	1.13	1.03	3.77	
4161.00	8.200	111.660	4139.21	-97.95	-95.62	350.59	745740.13	483343.49	32°19'37.3732"N	103°40'17.7285"W	0.68	0.59	2.47	
4255.00	6.980	106.870	4232.39	-102.16	-99.76	362.29	745751.83	483339.36	32°19'37.3316"N	103°40'17.5925"W	1.46	-1.30	-5.10	
4350.00	7.070	106.380	4326.67	-105.55	-103.08	373.42	745762.96	483336.04	32°19'37.2980"N	103°40'17.4630"W	0.11	0.09	-0.52	
4443.00	7.360	107.030	4418.94	-108.99	-106.44	384.61	745774.15	483332.68	32°19'37.2641"N	103°40'17.3329"W	0.32	0.31	0.70	
4538.00	7.840	110.390	4513.10	-113.10	-110.48	396.50	745786.04	483328.64	32°19'37.2234"N	103°40'17.1946"W	0.69	0.51	3.54	
4633.00	7.910	110.650	4607.21	-117.75	-115.04	408.69	745798.23	483324.08	32°19'37.1775"N	103°40'17.0528"W	0.08	0.07	0.27	
4662.00	7.510	110.530	4635.94	-119.14	-116.41	412.33	745801.87	483322.71	32°19'37.1637"N	103°40'17.0105"W	1.38	-1.38	-0.41	
4809.00	7.160	111.810	4781.74	-126.03	-123.18	429.83	745819.37	483315.93	32°19'37.0956"N	103°40'16.8070"W	0.26	-0.24	0.87	8-3/4" Trueshot MWD Surveys 4809'-11378'
4904.00	7.130	101.100	4876.01	-129.44	-126.52	441.11	745830.65	483312.60	32°19'37.0620"N	103°40'16.6758"W	1.40	-0.03	-11.27	
4998.00	7.330	99.730	4969.26	-131.65	-128.65	452.75	745842.29	483310.46	32°19'37.0401"N	103°40'16.5404"W	0.28	0.21	-1.46	
5092.00	7.370	100.700	5062.49	-133.86	-130.79	464.58	745854.12	483308.33	32°19'37.0183"N	103°40'16.4026"W	0.14	0.04	1.03	
5187.00	7.230	101.030	5156.72	-136.22	-133.06	476.44	745865.98	483306.06	32°19'36.9950"N	103°40'16.2646"W	0.15	-0.15	0.35	
5281.00	7.250	101.130	5249.97	-138.57	-135.34	488.06	745877.60	483303.78	32°19'36.9718"N	103°40'16.1293"W	0.03	0.02	0.11	
5375.00	7.440	100.880	5343.20	-140.94	-137.63	499.86	745889.40	483301.49	32°19'36.9484"N	103°40'15.9920"W	0.20	0.20	-0.27	
5468.00	7.510	100.850	5435.41	-143.30	-139.91	511.74	745901.28	483299.21	32°19'36.9251"N	103°40'15.8537"W	0.08	0.08	-0.03	
5562.00	7.520	100.030	5528.60	-145.61	-142.14	523.83	745913.37	483296.98	32°19'36.9023"N	103°40'15.7130"W	0.11	0.01	-0.87	
5657.00	7.280	100.470	5622.81	-147.87	-144.32	535.87	745925.41	483294.80	32°19'36.8800"N	103°40'15.5728"W	0.26	-0.25	0.46	
5751.00	6.860	101.520	5716.09	-150.14	-146.52	547.23	745936.76	483292.60	32°19'36.8575"N	103°40'15.4406"W	0.47	-0.45	1.12	



Actual Wellpath Report

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Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
5845.00	6.780	100.550	5809.43	-152.35	-148.66	558.19	745947.72	483290.46	32°19'36.8357"N	103°40'15.3131"W	0.15	-0.09	-1.03	
5940.00	7.160	100.390	5903.72	-154.52	-150.75	569.52	745959.06	483288.37	32°19'36.8143"N	103°40'15.1811"W	0.40	0.40	-0.17	
6033.00	6.990	99.200	5996.02	-156.55	-152.70	580.81	745970.34	483286.42	32°19'36.7943"N	103°40'15.0497"W	0.24	-0.18	-1.28	
6128.00	7.000	98.300	6090.31	-158.38	-154.46	592.24	745981.78	483284.66	32°19'36.7762"N	103°40'14.9166"W	0.12	0.01	-0.95	
6223.00	7.040	105.140	6184.60	-160.82	-156.82	603.59	745993.12	483282.30	32°19'36.7522"N	103°40'14.7845"W	0.88	0.04	7.20	
6317.00	7.250	105.190	6277.87	-163.95	-159.87	614.88	746004.41	483279.24	32°19'36.7212"N	103°40'14.6532"W	0.22	0.22	0.05	
6411.00	7.330	106.480	6371.11	-167.28	-163.13	626.35	746015.88	483275.99	32°19'36.6883"N	103°40'14.5198"W	0.19	0.09	1.37	
6506.00	7.070	106.730	6465.36	-170.76	-166.53	637.76	746027.29	483272.59	32°19'36.6540"N	103°40'14.3870"W	0.28	-0.27	0.26	
6601.00	6.860	107.170	6559.66	-174.19	-169.89	648.78	746038.31	483269.23	32°19'36.6201"N	103°40'14.2589"W	0.23	-0.22	0.46	
6695.00	6.700	109.500	6653.00	-177.75	-173.38	659.31	746048.84	483265.74	32°19'36.5849"N	103°40'14.1364"W	0.34	-0.17	2.48	
6790.00	6.600	109.570	6747.36	-181.49	-177.06	669.68	746059.21	483262.06	32°19'36.5479"N	103°40'14.0158"W	0.11	-0.11	0.07	
6885.00	6.440	111.270	6841.75	-185.32	-180.82	679.79	746069.32	483258.30	32°19'36.5100"N	103°40'13.8983"W	0.26	-0.17	1.79	
6980.00	6.140	103.090	6936.18	-188.47	-183.90	689.70	746079.23	483255.22	32°19'36.4789"N	103°40'13.7830"W	0.99	-0.32	-8.61	
7075.00	6.080	102.480	7030.64	-190.77	-186.14	699.56	746089.09	483252.98	32°19'36.4562"N	103°40'13.6682"W	0.09	-0.06	-0.64	
7170.00	6.080	103.400	7125.10	-193.09	-188.39	709.37	746098.90	483250.73	32°19'36.4333"N	103°40'13.5541"W	0.10	0.00	0.97	
7264.00	5.940	103.800	7218.59	-195.47	-190.71	718.94	746108.46	483248.41	32°19'36.4098"N	103°40'13.4428"W	0.16	-0.15	0.43	
7359.00	5.390	105.210	7313.12	-197.87	-193.05	728.02	746117.54	483246.07	32°19'36.3861"N	103°40'13.3372"W	0.60	-0.58	1.48	
7453.00	5.140	106.370	7406.73	-200.27	-195.39	736.32	746125.84	483243.72	32°19'36.3624"N	103°40'13.2406"W	0.29	-0.27	1.23	
7547.00	6.030	104.350	7500.28	-202.74	-197.80	745.14	746134.67	483241.31	32°19'36.3380"N	103°40'13.1379"W	0.97	0.95	-2.15	
7642.00	5.700	105.070	7594.78	-205.27	-200.27	754.53	746144.05	483238.85	32°19'36.3130"N	103°40'13.0287"W	0.36	-0.35	0.76	
7736.00	5.520	105.550	7688.33	-207.75	-202.69	763.39	746152.92	483236.43	32°19'36.2885"N	103°40'12.9256"W	0.20	-0.19	0.51	
7830.00	5.000	107.730	7781.94	-210.27	-205.15	771.65	746161.17	483233.97	32°19'36.2636"N	103°40'12.8295"W	0.59	-0.55	2.32	
7924.00	4.680	108.380	7875.60	-212.77	-207.61	779.19	746168.71	483231.51	32°19'36.2389"N	103°40'12.7418"W	0.35	-0.34	0.69	
8018.00	5.300	104.680	7969.24	-215.13	-209.92	787.03	746176.55	483229.20	32°19'36.2155"N	103°40'12.6507"W	0.74	0.66	-3.94	
8112.00	5.090	107.540	8062.86	-217.55	-212.28	795.20	746184.73	483226.84	32°19'36.1917"N	103°40'12.5555"W	0.35	-0.22	3.04	
8207.00	4.890	108.880	8157.50	-220.18	-214.86	803.05	746192.58	483224.26	32°19'36.1657"N	103°40'12.4643"W	0.24	-0.21	1.41	
8301.00	4.520	109.730	8251.18	-222.77	-217.40	810.33	746199.85	483221.72	32°19'36.1400"N	103°40'12.3796"W	0.40	-0.39	0.90	
8395.00	4.480	111.190	8344.89	-225.40	-219.98	817.24	746206.76	483219.14	32°19'36.1141"N	103°40'12.2993"W	0.13	-0.04	1.55	
8490.00	3.280	100.690	8439.67	-227.28	-221.83	823.37	746212.89	483217.29	32°19'36.0955"N	103°40'12.2280"W	1.46	-1.26	-11.05	
8584.00	2.240	101.600	8533.56	-228.18	-222.69	827.81	746217.34	483216.43	32°19'36.0866"N	103°40'12.1763"W	1.11	-1.11	0.97	



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
8678.00	1.100	104.890	8627.52	-228.80	-223.30	830.48	746220.01	483215.82	32°19'36.0805"N	103°40'12.1452"W	1.22	-1.21	3.50	
8773.00	1.170	106.350	8722.50	-229.32	-223.80	832.30	746221.82	483215.32	32°19'36.0754"N	103°40'12.1241"W	0.08	0.07	1.54	
8865.00	0.290	167.970	8814.50	-229.82	-224.29	833.25	746222.77	483214.83	32°19'36.0704"N	103°40'12.1131"W	1.16	-0.96	66.98	
8959.00	0.300	162.080	8908.49	-230.28	-224.76	833.37	746222.89	483214.36	32°19'36.0658"N	103°40'12.1117"W	0.03	0.01	-6.27	
9054.00	0.590	166.840	9003.49	-231.00	-225.47	833.56	746223.08	483213.65	32°19'36.0588"N	103°40'12.1095"W	0.31	0.31	5.01	
9148.00	1.040	160.590	9097.48	-232.28	-226.75	833.95	746223.48	483212.37	32°19'36.0461"N	103°40'12.1050"W	0.49	0.48	-6.65	
9242.00	1.220	169.580	9191.46	-234.07	-228.54	834.42	746223.94	483210.58	32°19'36.0284"N	103°40'12.0997"W	0.27	0.19	9.56	
9337.00	0.640	223.230	9286.45	-235.45	-229.92	834.24	746223.76	483209.20	32°19'36.0147"N	103°40'12.1019"W	1.04	-0.61	56.47	
9431.00	0.820	262.420	9380.44	-235.91	-230.39	833.21	746222.73	483208.73	32°19'36.0101"N	103°40'12.1139"W	0.55	0.19	41.69	
9526.00	1.180	254.540	9475.43	-236.25	-230.74	831.59	746221.12	483208.38	32°19'36.0068"N	103°40'12.1328"W	0.40	0.38	-8.29	
9620.00	0.850	229.030	9569.42	-236.96	-231.46	830.14	746219.66	483207.66	32°19'35.9998"N	103°40'12.1499"W	0.59	-0.35	-27.14	
9714.00	0.750	270.920	9663.41	-237.40	-231.90	828.99	746218.52	483207.22	32°19'35.9954"N	103°40'12.1632"W	0.62	-0.11	44.56	
9809.00	0.710	43.130	9758.40	-236.96	-231.47	828.77	746218.30	483207.66	32°19'35.9998"N	103°40'12.1657"W	1.41	-0.04	139.17	
9903.00	0.840	58.760	9852.40	-236.18	-230.68	829.76	746219.28	483208.44	32°19'36.0075"N	103°40'12.1542"W	0.26	0.14	16.63	
9997.00	0.830	52.820	9946.39	-235.42	-229.91	830.89	746220.42	483209.21	32°19'36.0150"N	103°40'12.1409"W	0.09	-0.01	-6.32	
10091.00	0.680	69.310	10040.38	-234.82	-229.31	831.96	746221.48	483209.81	32°19'36.0210"N	103°40'12.1285"W	0.28	-0.16	17.54	
10186.00	0.240	74.560	10135.37	-234.57	-229.05	832.68	746222.20	483210.07	32°19'36.0234"N	103°40'12.1201"W	0.46	-0.46	5.53	
10280.00	0.200	86.920	10229.37	-234.51	-228.99	833.03	746222.55	483210.13	32°19'36.0240"N	103°40'12.1160"W	0.07	-0.04	13.15	
10374.00	0.200	244.250	10323.37	-234.57	-229.05	833.05	746222.57	483210.07	32°19'36.0234"N	103°40'12.1158"W	0.42	0.00	167.37	
10469.00	0.280	24.130	10418.37	-234.43	-228.91	832.99	746222.51	483210.21	32°19'36.0248"N	103°40'12.1164"W	0.48	0.08	147.24	
10562.00	0.990	16.670	10511.37	-233.46	-227.94	833.32	746222.84	483211.18	32°19'36.0344"N	103°40'12.1126"W	0.77	0.76	-8.02	
10656.00	0.980	34.980	10605.35	-232.03	-226.50	834.01	746223.53	483212.62	32°19'36.0486"N	103°40'12.1044"W	0.33	-0.01	19.48	
10751.00	0.800	355.270	10700.34	-230.70	-225.17	834.42	746223.94	483213.95	32°19'36.0617"N	103°40'12.0995"W	0.66	-0.19	-41.80	
10846.00	0.380	11.970	10795.34	-229.73	-224.21	834.43	746223.95	483214.91	32°19'36.0713"N	103°40'12.0993"W	0.47	-0.44	17.58	
10940.00	0.450	201.710	10889.34	-229.77	-224.24	834.36	746223.88	483214.88	32°19'36.0709"N	103°40'12.1001"W	0.88	0.07	-181.13	
11034.00	0.340	262.480	10983.33	-230.15	-224.62	833.95	746223.47	483214.50	32°19'36.0672"N	103°40'12.1050"W	0.44	-0.12	64.65	
11129.00	0.480	40.140	11078.33	-229.88	-224.36	833.92	746223.45	483214.76	32°19'36.0698"N	103°40'12.1052"W	0.81	0.15	144.91	
11223.00	1.120	39.340	11172.32	-228.88	-223.34	834.76	746224.28	483215.78	32°19'36.0798"N	103°40'12.0954"W	0.68	0.68	-0.85	
11318.00	1.460	13.490	11267.30	-226.99	-221.45	835.63	746225.15	483217.67	32°19'36.0985"N	103°40'12.0851"W	0.70	0.36	-27.21	
11378.00	1.420	34.680	11327.28	-225.64	-220.09	836.23	746225.75	483219.03	32°19'36.1118"N	103°40'12.0780"W	0.88	-0.07	35.32	



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'
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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
11467.00	5.290	16.790	11416.11	-220.81	-215.26	838.04	746227.57	483223.86	32°19'36.1596"N	103°40'12.0565"W	4.45	4.35	-20.10	8-3/4" BH NT MWD Surveys 11467'-12191'
11498.00	9.750	13.260	11446.84	-216.89	-211.33	839.06	746228.58	483227.79	32°19'36.1984"N	103°40'12.0444"W	14.46	14.39	-11.39	
11530.00	13.240	11.320	11478.19	-210.67	-205.10	840.40	746229.92	483234.02	32°19'36.2599"N	103°40'12.0283"W	10.97	10.91	-6.06	
11561.00	15.840	7.770	11508.20	-203.00	-197.43	841.67	746231.19	483241.69	32°19'36.3358"N	103°40'12.0130"W	8.86	8.39	-11.45	
11592.00	18.740	0.330	11537.80	-193.83	-188.25	842.27	746231.79	483250.87	32°19'36.4265"N	103°40'12.0053"W	11.75	9.35	-24.00	
11624.00	21.620	355.670	11567.83	-182.81	-177.23	841.86	746231.38	483261.89	32°19'36.5356"N	103°40'12.0094"W	10.30	9.00	-14.56	
11655.00	24.010	353.580	11596.41	-170.84	-165.27	840.72	746230.24	483273.85	32°19'36.6541"N	103°40'12.0218"W	8.14	7.71	-6.74	
11687.00	25.830	354.000	11625.42	-157.42	-151.86	839.26	746228.78	483287.25	32°19'36.7868"N	103°40'12.0378"W	5.71	5.69	1.31	
11718.00	27.810	357.180	11653.09	-143.48	-137.92	838.20	746227.72	483301.20	32°19'36.9248"N	103°40'12.0491"W	7.89	6.39	10.26	
11750.00	30.610	359.120	11681.02	-127.87	-122.32	837.71	746227.23	483316.80	32°19'37.0792"N	103°40'12.0537"W	9.24	8.75	6.06	
11781.00	33.470	0.690	11707.29	-111.43	-105.87	837.69	746227.21	483333.24	32°19'37.2419"N	103°40'12.0528"W	9.61	9.23	5.06	
11813.00	36.060	2.190	11733.58	-93.19	-87.63	838.16	746227.68	483351.48	32°19'37.4224"N	103°40'12.0460"W	8.52	8.09	4.69	
11844.00	38.790	2.650	11758.20	-74.38	-68.81	838.95	746228.48	483370.30	32°19'37.6086"N	103°40'12.0354"W	8.85	8.81	1.48	
11875.00	41.440	2.400	11781.90	-54.43	-48.86	839.83	746229.35	483390.25	32°19'37.8059"N	103°40'12.0237"W	8.56	8.55	-0.81	
11907.00	44.150	1.580	11805.38	-32.71	-27.14	840.58	746230.11	483411.97	32°19'38.0208"N	103°40'12.0134"W	8.65	8.47	-2.56	
11938.00	47.140	0.920	11827.05	-10.56	-4.98	841.06	746230.59	483434.13	32°19'38.2401"N	103°40'12.0062"W	9.76	9.65	-2.13	
11956.00†	48.974	0.702	11839.08	2.83	8.41	841.25	746230.77	483447.52	32°19'38.3725"N	103°40'12.0030"W	10.23	10.19	-1.21	FTP/330'L Crossing: 11956ft MD (330' FSL & 333' FWL)
11970.00	50.400	0.540	11848.14	13.50	19.08	841.37	746230.89	483458.19	32°19'38.4781"N	103°40'12.0009"W	10.23	10.19	-1.15	
12002.00	53.450	0.320	11867.87	38.69	44.27	841.56	746231.08	483483.38	32°19'38.7273"N	103°40'11.9969"W	9.55	9.53	-0.69	
12033.00	56.410	0.080	11885.68	64.05	69.64	841.64	746231.17	483508.74	32°19'38.9783"N	103°40'11.9940"W	9.57	9.55	-0.77	
12065.00	57.430	0.340	11903.15	90.87	96.45	841.74	746231.26	483535.56	32°19'39.2436"N	103°40'11.9909"W	3.26	3.19	0.81	
12096.00	60.260	0.480	11919.18	117.39	122.98	841.93	746231.45	483562.08	32°19'39.5061"N	103°40'11.9868"W	9.14	9.13	0.45	
12128.00	63.640	0.610	11934.23	145.62	151.21	842.20	746231.72	483590.32	32°19'39.7855"N	103°40'11.9816"W	10.57	10.56	0.41	
12159.00	66.800	359.910	11947.22	173.76	179.35	842.33	746231.85	483618.46	32°19'40.0639"N	103°40'11.9781"W	10.40	10.19	-2.26	
12191.00	69.120	358.200	11959.23	203.42	209.01	841.83	746231.36	483648.11	32°19'40.3574"N	103°40'11.9817"W	8.78	7.25	-5.34	
12281.00	78.850	359.700	11984.03	289.81	295.39	840.28	746229.80	483734.49	32°19'41.2122"N	103°40'11.9936"W	10.93	10.81	1.67	6" BH Lucida MWD Surveys 12281'-16804'
12328.00	79.670	358.800	11992.79	335.99	341.57	839.67	746229.20	483780.66	32°19'41.6691"N	103°40'11.9974"W	2.57	1.74	-1.91	
12422.00	83.930	359.030	12006.19	429.00	434.57	837.91	746227.44	483873.66	32°19'42.5895"N	103°40'12.0112"W	4.54	4.53	0.24	
12516.00	87.800	359.160	12012.97	522.73	528.29	836.43	746225.96	483967.38	32°19'43.5169"N	103°40'12.0217"W	4.12	4.12	0.14	
12610.00	87.550	358.850	12016.78	616.65	622.20	834.80	746224.32	484061.28	32°19'44.4462"N	103°40'12.0339"W	0.42	-0.27	-0.33	



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'
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REFERENCE WELLPATH IDENTIFICATION

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Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
12704.00	87.700	358.980	12020.68	710.56	716.10	833.02	746222.55	484155.18	32°19'45.3755"N	103°40'12.0478"W	0.21	0.16	0.14	
12798.00	86.630	358.840	12025.33	804.44	809.97	831.24	746220.76	484249.04	32°19'46.3044"N	103°40'12.0619"W	1.15	-1.14	-0.15	
12892.00	87.060	359.880	12030.50	898.29	903.82	830.19	746219.71	484342.89	32°19'47.2331"N	103°40'12.0673"W	1.20	0.46	1.11	
12986.00	90.020	0.180	12032.90	992.25	997.78	830.24	746219.76	484436.84	32°19'48.1628"N	103°40'12.0600"W	3.17	3.15	0.32	
13080.00	89.830	359.890	12033.02	1086.25	1091.78	830.30	746219.82	484530.84	32°19'49.0929"N	103°40'12.0525"W	0.37	-0.20	-0.31	
13174.00	89.770	359.150	12033.35	1180.25	1185.77	829.51	746219.03	484624.83	32°19'50.0230"N	103°40'12.0549"W	0.79	-0.06	-0.79	
13268.00	89.860	0.170	12033.65	1274.24	1279.77	828.95	746218.47	484718.82	32°19'50.9531"N	103°40'12.0546"W	1.09	0.10	1.09	
13362.00	89.980	0.360	12033.78	1368.24	1373.77	829.39	746218.91	484812.82	32°19'51.8832"N	103°40'12.0428"W	0.24	0.13	0.20	
13456.00	90.110	0.310	12033.71	1462.23	1467.77	829.94	746219.46	484906.81	32°19'52.8132"N	103°40'12.0296"W	0.15	0.14	-0.05	
13550.00	90.390	359.810	12033.30	1556.23	1561.77	830.03	746219.56	485000.81	32°19'53.7433"N	103°40'12.0217"W	0.61	0.30	-0.53	
13644.00	90.290	359.890	12032.74	1650.22	1655.76	829.79	746219.31	485094.80	32°19'54.6734"N	103°40'12.0177"W	0.14	-0.11	0.09	
13738.00	90.420	0.020	12032.16	1744.22	1749.76	829.71	746219.24	485188.79	32°19'55.6035"N	103°40'12.0118"W	0.20	0.14	0.14	
13832.00	90.290	0.050	12031.57	1838.22	1843.76	829.77	746219.29	485282.79	32°19'56.5336"N	103°40'12.0044"W	0.14	-0.14	0.03	
13927.00	90.320	359.460	12031.07	1933.21	1938.76	829.37	746218.89	485377.78	32°19'57.4736"N	103°40'12.0022"W	0.62	0.03	-0.62	
14021.00	90.320	359.580	12030.54	2027.21	2032.75	828.58	746218.10	485471.77	32°19'58.4037"N	103°40'12.0046"W	0.13	0.00	0.13	
14116.00	90.290	359.530	12030.04	2122.21	2127.75	827.84	746217.36	485566.76	32°19'59.3437"N	103°40'12.0064"W	0.06	-0.03	-0.05	
14210.00	90.260	359.520	12029.59	2216.21	2221.74	827.06	746216.58	485660.75	32°20'0.2739"N	103°40'12.0087"W	0.03	-0.03	-0.01	
14304.00	90.200	359.640	12029.21	2310.21	2315.74	826.37	746215.89	485754.75	32°20'1.2040"N	103°40'12.0099"W	0.14	-0.06	0.13	
14398.00	90.420	359.800	12028.70	2404.21	2409.74	825.91	746215.44	485848.74	32°20'2.1341"N	103°40'12.0085"W	0.29	0.23	0.17	
14492.00	90.170	359.580	12028.22	2498.21	2503.74	825.40	746214.93	485942.73	32°20'3.0642"N	103°40'12.0076"W	0.35	-0.27	-0.23	
14586.00	89.950	359.860	12028.12	2592.21	2597.73	824.94	746214.47	486036.73	32°20'3.9943"N	103°40'12.0062"W	0.38	-0.23	0.30	
14680.00	90.350	359.720	12027.87	2686.21	2691.73	824.60	746214.12	486130.72	32°20'4.9245"N	103°40'12.0034"W	0.45	0.43	-0.15	
14774.00	90.170	359.410	12027.45	2780.20	2785.73	823.89	746213.41	486224.71	32°20'5.8546"N	103°40'12.0050"W	0.38	-0.19	-0.33	
14868.00	90.110	359.730	12027.22	2874.20	2879.73	823.18	746212.70	486318.71	32°20'6.7847"N	103°40'12.0064"W	0.35	-0.06	0.34	
14963.00	90.420	359.430	12026.78	2969.20	2974.72	822.48	746212.01	486413.70	32°20'7.7247"N	103°40'12.0077"W	0.45	0.33	-0.32	
15057.00	89.740	359.100	12026.65	3063.20	3068.71	821.28	746210.80	486507.69	32°20'8.6548"N	103°40'12.0149"W	0.80	-0.72	-0.35	
15150.00	89.980	359.430	12026.87	3156.20	3161.71	820.09	746209.61	486600.67	32°20'9.5750"N	103°40'12.0221"W	0.44	0.26	0.35	
15244.00	90.720	359.710	12026.30	3250.19	3255.70	819.38	746208.90	486694.66	32°20'10.5051"N	103°40'12.0236"W	0.84	0.79	0.30	
15338.00	90.290	359.170	12025.47	3344.19	3349.69	818.46	746207.98	486788.65	32°20'11.4352"N	103°40'12.0275"W	0.73	-0.46	-0.57	
15432.00	90.450	0.240	12024.86	3438.19	3443.69	817.98	746207.50	486882.64	32°20'12.3653"N	103°40'12.0264"W	1.15	0.17	1.14	



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'
Page 8 of 10



REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH DATA (196 stations) † = interpolated, ‡ = extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Build Rate [°/100ft]	Turn Rate [°/100ft]	Comments
15526.00	90.110	359.390	12024.40	3532.18	3537.68	817.67	746207.20	486976.63	32°20'13.2954"N	103°40'12.0231"W	0.97	-0.36	-0.90	
15620.00	90.720	358.910	12023.72	3626.18	3631.67	816.28	746205.80	487070.62	32°20'14.2254"N	103°40'12.0326"W	0.83	0.65	-0.51	
15714.00	91.160	359.310	12022.18	3720.16	3725.65	814.82	746204.34	487164.59	32°20'15.1554"N	103°40'12.0428"W	0.63	0.47	0.43	
15809.00	90.630	359.370	12020.70	3815.15	3820.63	813.73	746203.25	487259.57	32°20'16.0953"N	103°40'12.0487"W	0.56	-0.56	0.06	
15903.00	90.660	359.470	12019.64	3909.14	3914.62	812.77	746202.30	487353.55	32°20'17.0253"N	103°40'12.0530"W	0.11	0.03	0.11	
15997.00	90.600	359.290	12018.61	4003.13	4008.61	811.76	746201.28	487447.54	32°20'17.9554"N	103°40'12.0581"W	0.20	-0.06	-0.19	
16091.00	90.570	359.270	12017.65	4097.13	4102.59	810.58	746200.10	487541.52	32°20'18.8855"N	103°40'12.0651"W	0.04	-0.03	-0.02	
16185.00	90.570	359.350	12016.71	4191.12	4196.58	809.44	746198.97	487635.50	32°20'19.8155"N	103°40'12.0715"W	0.09	0.00	0.09	
16279.00	90.570	359.850	12015.78	4285.12	4290.58	808.79	746198.31	487729.49	32°20'20.7456"N	103°40'12.0723"W	0.53	0.00	0.53	
16374.00	90.390	359.740	12014.98	4380.11	4385.57	808.45	746197.97	487824.48	32°20'21.6856"N	103°40'12.0694"W	0.22	-0.19	-0.12	
16468.00	90.660	359.840	12014.12	4474.11	4479.57	808.10	746197.63	487918.47	32°20'22.6157"N	103°40'12.0667"W	0.31	0.29	0.11	
16562.00	90.540	359.860	12013.13	4568.10	4573.56	807.86	746197.38	488012.46	32°20'23.5457"N	103°40'12.0627"W	0.13	-0.13	0.02	
16656.00	90.750	359.930	12012.08	4662.10	4667.56	807.68	746197.21	488106.45	32°20'24.4758"N	103°40'12.0580"W	0.24	0.22	0.07	
16750.00	90.720	359.830	12010.87	4756.09	4761.55	807.49	746197.01	488200.44	32°20'25.4058"N	103°40'12.0535"W	0.11	-0.03	-0.11	
16804.00	90.540	359.700	12010.28	4810.08	4815.54	807.27	746196.79	488254.44	32°20'25.9401"N	103°40'12.0522"W	0.41	-0.33	-0.24	Last BH MWD Survey: 16804ft MD (125' FNL & 331' FWL)
16829.00†	90.540	359.700	12010.04	4835.08	4840.54	807.14	746196.66	488279.43	32°20'26.1875"N	103°40'12.0519"W	0.00	0.00	0.00	Projection to TD: 16829ft MD (100' FNL & 331' FWL)

TARGETS

Name	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Red Tank 3 Federal Com 14H LTP/BHL Rev. 4	11962.00	4840.61	805.97	746195.49	488279.50	32°20'26.1882"N	103°40'12.0655"W	point
Red Tank 3 Federal Com 14H LP/FTP Rev. 4	12024.55	8.10	837.83	746227.35	483447.21	32°19'38.3697"N	103°40'12.0429"W	point



Actual Wellpath Report

Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH COMPOSITION - Ref Wellbore: Red Tank 3 Federal Com 14H AWB Ref Wellpath: Red Tank 3 Federal Com 14H_awp 179'-16804' Proj: 16829'

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore	Survey Date
25.00	936.00	OWSG MWD rev2+IFR1+MS	17-1/2" Trueshot MWD Surveys 179'-936'	Red Tank 3 Federal Com 14H AWB	07/Jan/2021
936.00	4662.00	OWSG MWD rev2+IFR1+MS	12-1/4" TrueShot MWD Surveys 1049'-4662'	Red Tank 3 Federal Com 14H AWB	09/Jan/2021
4662.00	11378.00	OWSG MWD rev2+IFR1+MS	8-3/4" Trueshot MWD Surveys 4809'-11378'	Red Tank 3 Federal Com 14H AWB	12/Jan/2021
11378.00	12191.00	OWSG MWD rev2+IFR1+MS	8-3/4" BH NT MWD Surveys 11467'-12191'	Red Tank 3 Federal Com 14H AWB	15/Jan/2021
12191.00	16829.00	OWSG MWD rev2+IFR1+MS	6" BH Lucida MWD Surveys 12281'-16804'	Red Tank 3 Federal Com 14H AWB	19/Jan/2021



Actual Wellpath Report

Red Tank 3 Federal Com 14H_ awp 179'-16804' Proj: 16829'

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REFERENCE WELLPATH IDENTIFICATION

Operator	Cimarex Energy Co.	Well	Red Tank 3 Federal Com 14H
Field	WC- 025 G07 5233204D; Bone Spring - Lea County, NM (NAD-83)	API	30-025-46998-00
Facility	Red Tank 3 Federal Com	Wellbore	Red Tank 3 Federal Com 14H AWB
Slot	Red Tank 3 Federal Com 14H		

WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
179.00	1.140	29.860	178.99	17-1/2" Trueshot MWD Surveys 179'-936'
1049.00	0.540	145.200	1048.88	12-1/4" TrueShot MWD Surveys 1049'-4662'
4809.00	7.160	111.810	4781.74	8-3/4" Trueshot MWD Surveys 4809'-11378'
11467.00	5.290	16.790	11416.11	8-3/4" BH NT MWD Surveys 11467'-12191'
11956.00	48.974	0.702	11839.08	FTP/330'L Crossing: 11956ft MD (330' FSL & 333' FWL)
12281.00	78.850	359.700	11984.03	6" BH Lucida MWD Surveys 12281'-16804'
16804.00	90.540	359.700	12010.28	Last BH MWD Survey: 16804ft MD (125' FNL & 331' FWL)
16829.00	90.540	359.700	12010.04	Projection to TD: 16829ft MD (100' FNL & 331' FWL)

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Well Name: RED TANK 3 FEDERAL COM	Well Location: T23S / R32E / SEC 4 / SESE / 32.327317 / -103.672725	County or Parish/State: LEA / NM
Well Number: 14H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM126065	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002546998	Well Status: Drilling Well	Operator: CIMAREX ENERGY COMPANY

Subsequent Report

Sundry ID: 2638021

Type of Submission: Subsequent Report

Date Sundry Submitted: 10/11/2021

Date Operation Actually Began: 05/22/2021

Type of Action: Hydraulic Fracturing

Time Sundry Submitted: 10:01

Actual Procedure: 5/22/21 Test prod csg to 11,400# for 30mins, good test. 7/7/21 - 7/12/21 Perf & Frac 23 stages, 644 holes, 12,023 - 16,794. Frac w/7,640,397 gals slick water, 9,480,672# 100 mesh sand. 7/15/21 Drill out plugs. PBTD @ 16,820. 7/18/21 Ran 314jts 2-3/8 tbg, 4.7#, L-80 @ 10,415 and 14 gas lift valves. 7/19/21 Turn to production. 7/19/21 1st production.

County or Parish/State: LEA / NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CIMAREX ENERGY COMPANY

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Signed on: OCT 11, 2021 09:55 AM

Name: CIMAREX ENERGY COMPANY

Title: Regulatory Analyst

Street Address: 600 N MARIENFELD ST SUITE 600

City: MIDLAND

State: TX

Phone: (432) 571-7894

Email address: KSCHLICHTING@CIMAREX.COM

Representative Name:

Street Address:

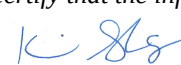
City:

State:

Zip:

Phone:

Email address:

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., 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 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-025-46998		
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 Red Tank 3 Federal Com		
								6. Well Number: 14H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator Cimarex Energy Company						9. OGRID 215099				
10. Address of Operator 600 N. Marienfeld St., Suite 600 Midland, TX 79701						11. Pool name or Wildcat Diamond Tail; Bone Spring 17644				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	4	23S	32E		330	South	508	East	Lea
BH:	4	3	23S	32E		100	North	331	West	Lea
13. Date Spudded 1/6/21	14. Date T.D. Reached 1/20/21		15. Date Rig Released 1/25/21			16. Date Completed (Ready to Produce) 7/19/21		17. Elevations (DF and RKB, RT, GR, etc.) 3690		
18. Total Measured Depth of Well 16,829			19. Plug Back Measured Depth 16,820			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma Ray		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12,023 - 16,795										
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#		1006		17-1/2		997		
9-5/8		40#		4721		12-1/4		1923		
7		29#		12,233		8-3/4		1184		
4-1/2		13.5#		16,829		6		349		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET	
						2-3/8	10,415			
26. Perforation record (interval, size, and number) 12,023 - 16,795 644 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12,023 - 16,795		7,640,397 gals Slick water		
								9,480,672# 100 Mesh sand		
28. PRODUCTION										
Date First Production 7/19/21		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Gas Lift				Well Status (<i>Prod. or Shut-in</i>) Producing				
Date of Test 8/6/2021	Hours Tested 24hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 1048	Gas - MCF 1475	Water - Bbl. 1190	Gas - Oil Ratio 1407			
Flow Tubing Press. 2253	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 1048	Gas - MCF 1475	Water - Bbl. 1190	Oil Gravity - API - (<i>Corr.</i>) 45				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold							30. Test Witnessed By Josh Jones			
31. List Attachments C-105, C-102, Additional points required, Survey										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date: 1/25/21			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD83										
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 Printed Signature  Name Kanicia Schlichting Title Regulatory Analyst Date 10/12/21 E-mail Address kschlichting@cimarex.com										

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Rustler 977	T. Lamar 4770	T. Ojo Alamo	T. Penn A"
T. Salt 1846	T. Bell Canyon 4790	T. Kirtland	T. Penn. "B"
B. Salt 4735	T. Cherry Canyon 5660	T. Fruitland	T. Penn. "C"
T. Yates	T. Brushy Canyon 6834	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Top Bone Spring 8730	T. Cliff House	T. Leadville
T. Queen	T. Avalon 9156	T. Menefee	T. Madison
T. Grayburg	T. 1st Bone Spring Sand 9827	T. Point Lookout	T. Elbert
T. San Andres	T. 2nd Bone Spring Carb 10,122	T. Mancos	T. McCracken
T. Glorieta	T. 2nd Bone Spring Sand 10,464	T. Gallup	T. Ignacio Otzte
T. Paddock	T. 3rd Bone Spring Carb 10,941	Base Greenhorn	T. Granite
T. Blinebry	T. 3rd Bone Spring Sand 11,653	T. Dakota	
T. Tubb	T. Wolfcamp 12,048	T. Morrison	
T. Drinkard	T.	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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 55388

ACKNOWLEDGMENTS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 55388
	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 55388

CONDITIONS

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	Action Number: 55388
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CONDITIONS

Created By	Condition	Condition Date
llowe	None	3/25/2022