

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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 Franklin Mountain Energy, LLC 44 Cook Street, Suite 1000 Denver, CO 80206		² OGRID Number 373910	
		³ Reason for Filing Code/ Effective Date RT - Test Allowable	
⁴ API Number 30 – 025-46506	⁵ Pool Name WC-025 G-09 S253502D; UPR WOLFCAMP		⁶ Pool Code 98187
⁷ Property Code 326234	⁸ Property Name PARADE STATE COM		⁹ Well Number 704H

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
B	2	25S	35E	2	321	FNL	1355	FEL	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
O	11	25S	35E		150	FSL	1690	FEL	Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date TBD	¹⁵ C-129 Permit Number N/A	¹⁶ C-129 Effective Date N/A	¹⁷ C-129 Expiration Date N/A				

III. Oil and Gas Transporters

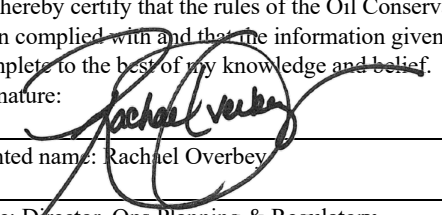
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
35246	SHELL TRADING US COMPANY 1000 Main, 12th Floor, Houston, TX 77002	O
371960	LUCID ENERGY DELAWARE, LLC 3100 McKinnon St, Suite 800 Dallas, Texas 75201	G
	** TEST ALLOWABLE **	

IV. Well Completion Data

²¹ Spud Date 3/23/2021	²² Ready Date 5/5/2021	²³ TD 22,260'	²⁴ PBTD 22,143'	²⁵ Perforations	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1,309'	1260		
12 1/4"	9 5/8"	5,062'	2332		
8 3/4"	7 5/8"	12,015'	701		
6 3/4"	5 1/2"	22,238'	929		

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: 		OIL CONSERVATION DIVISION	
Printed name: Rachel Overbey		Approved by: KURT SIMMONS	
Title: Director, Ops Planning & Regulatory		Title: NMOCD, SANTA FE	
E-mail Address: roverbey@femllc.com		Approval Date: 09/08/2021	
Date: 8/1/2021	Phone: 303-570-4057	RT C-104 EXPIRES 11/09/2021	

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 30-025-46506	² Pool Code 98187	³ Pool Name WC-025 G-09 S253502D; UPR WOLFCAMP
⁴ Property Code 3263234	⁵ Property Name PARADE STATE	⁶ Well Number 704H
⁷ OGRID No. 373910	⁸ Operator Name FRANKLIN MOUNTAIN ENERGY LLC	⁹ Elevation 3259.1'

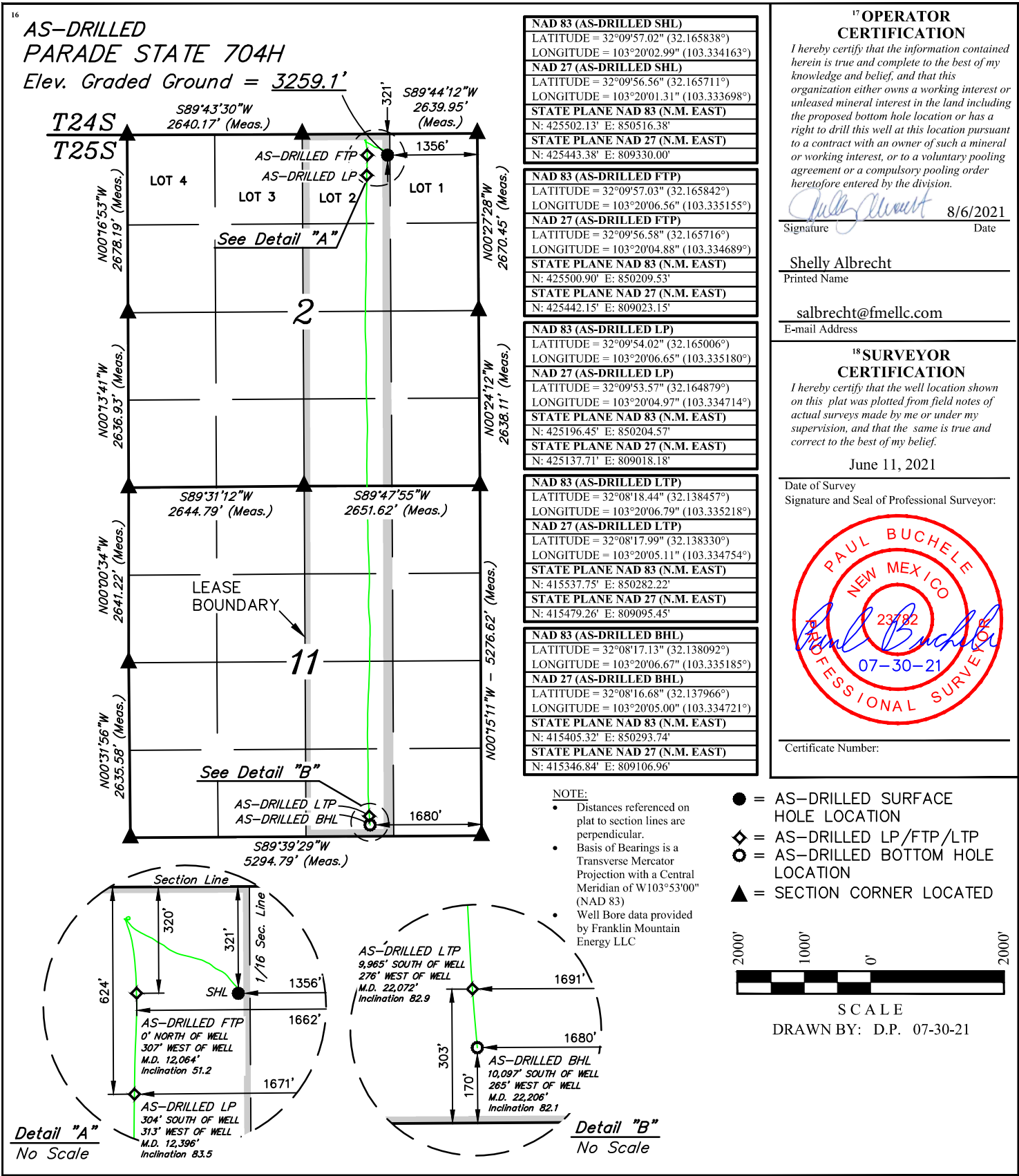
¹⁰ Surface Location

UL or lot no. 2	Section 2	Township 25S	Range 35E	Lot Idn	Feet from the 321	North/South line NORTH	Feet from the 1356	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. O	Section 11	Township 25S	Range 35E	Lot Idn	Feet from the 170	North/South line SOUTH	Feet from the 1680	East/West line EAST	County LEA
¹² Dedicated Acres 320.85	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.



**Franklin Mountain Energy
Delaware Basin, Lea County, NM (NAD83)
Carnival East Pad
Parade State Com 704H
Parade State 704
9**

**Job No. SW210153
Survey Date: Friday, April 30, 2021**

Total Directional Services, LLC Survey Report

Monday, May 3, 2021

API 30-025-46506

Surface Coordinates: +425,502.20, +850,516.61 (32.16583806° N , 103.33416244° W)
Grid Coordinate System: NAD83 New Mexico State Planes, Eastern Zone

RKB Elevation: 3,288.00ft above Mean Sea Level
RKB Elevation: 3,288.00ft above Mean Sea Level
RKB Elevation: 30.00ft above Ground Level
Ground Level: 3,258.00ft above Mean Sea Level

Survey Ref: svy595

KellyDown - Version: 4.00.03.01



USA Operations 



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00			
62.00	0.40	270.48	62.00	0.00	-0.22	0.00	0.645		
152.00	0.40	267.48	152.00	-0.01	-0.84	0.00	0.023		
243.00	0.10	22.48	243.00	+0.05	-1.13	-0.06	0.496		
337.00	0.80	186.48	336.99	-0.53	-1.17	0.51	0.954		
432.00	0.50	138.48	431.99	-1.50	-0.97	1.49	0.627		
558.00	0.30	2.48	557.99	-1.58	-0.60	1.57	0.592		
652.00	0.40	336.48	651.99	-1.03	-0.72	1.02	0.197		
777.00	0.60	273.48	776.98	-0.59	-1.54	0.58	0.440		
841.00	0.40	325.48	840.98	-0.39	-2.00	0.37	0.740		
935.00	0.60	257.48	934.98	-0.22	-2.67	0.20	0.620		
1,061.00	0.40	298.48	1,060.97	-0.16	-3.70	0.12	0.315		
1,155.00	0.50	201.48	1,154.97	-0.38	-4.14	0.34	0.721		
1,239.00	0.60	227.48	1,238.97	-1.02	-4.60	0.97	0.317		
1,425.00	1.41	230.40	1,424.94	-3.14	-7.08	3.06	0.436		
1,520.00	0.48	212.47	1,519.92	-4.22	-8.19	4.13	1.015		
1,614.00	0.22	151.65	1,613.92	-4.71	-8.32	4.62	0.446		
1,708.00	0.13	143.13	1,707.92	-4.95	-8.17	4.87	0.099		
1,802.00	0.13	131.96	1,801.92	-5.11	-8.03	5.03	0.027		
1,897.00	0.18	143.74	1,896.92	-5.30	-7.86	5.22	0.062		
1,991.00	0.18	97.78	1,990.92	-5.44	-7.62	5.36	0.150		
2,085.00	0.26	73.87	2,084.92	-5.40	-7.27	5.33	0.128		
2,180.00	0.48	70.35	2,179.92	-5.21	-6.69	5.14	0.233		
2,274.00	0.70	61.83	2,273.91	-4.80	-5.81	4.75	0.251		
2,369.00	0.97	59.63	2,368.90	-4.12	-4.61	4.08	0.286		
2,463.00	1.36	25.71	2,462.88	-2.72	-3.44	2.68	0.825		
2,557.00	1.85	14.54	2,556.85	-0.24	-2.57	0.22	0.616		
2,652.00	1.01	2.06	2,651.82	+2.08	-2.16	-2.10	0.938		
2,746.00	0.88	6.81	2,745.80	+3.62	-2.04	-3.64	0.161		
2,840.00	1.19	28.25	2,839.79	+5.20	-1.50	-5.21	0.522		
2,935.00	1.54	37.92	2,934.76	+7.08	-0.24	-7.08	0.440		
3,029.00	1.67	358.81	3,028.73	+9.44	+0.50	-9.44	1.150		
3,124.00	1.85	342.02	3,123.68	+12.28	0.00	-12.28	0.572		
3,218.00	2.02	329.10	3,217.63	+15.15	-1.32	-15.16	0.497		
3,312.00	5.76	314.16	3,311.40	+19.86	-5.55	-19.91	4.089		
3,406.00	7.12	315.48	3,404.80	+27.30	-13.02	-27.43	1.455		
3,500.00	6.11	321.37	3,498.18	+35.36	-20.23	-35.56	1.293		
3,595.00	6.46	323.21	3,592.61	+43.59	-26.59	-43.86	0.425		
3,689.00	6.02	321.98	3,686.05	+51.71	-32.79	-52.04	0.489		
3,784.00	6.33	308.10	3,780.50	+58.86	-39.98	-59.27	1.601		
3,878.00	6.90	297.38	3,873.88	+64.66	-49.07	-65.15	1.444		
3,972.00	6.72	295.00	3,967.22	+69.58	-59.07	-70.17	0.356		
4,067.00	5.89	298.43	4,061.64	+74.25	-68.40	-74.94	0.959		
4,161.00	4.79	312.23	4,155.24	+79.18	-75.54	-79.94	1.791		
4,255.00	4.75	311.35	4,248.91	+84.39	-81.37	-85.21	0.089		
4,350.00	5.36	296.58	4,343.54	+88.98	-88.29	-89.87	1.507		
4,444.00	5.54	292.98	4,437.12	+92.71	-96.40	-93.68	0.411		
4,538.00	4.39	303.62	4,530.77	+96.48	-103.57	-97.52	1.562		
4,633.00	5.84	286.30	4,625.39	+99.85	-111.24	-100.97	2.213		
4,727.00	7.56	284.02	4,718.75	+102.69	-121.83	-103.92	1.851		



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
4,821.00	7.38	284.63	4,811.95	+105.71	-133.67	-107.06	0.209		
4,916.00	7.08	284.98	4,906.19	+108.76	-145.23	-110.23	0.319		
5,010.00	6.59	283.58	4,999.53	+111.53	-156.07	-113.10	0.551		
5,095.00	5.98	283.84	5,084.01	+113.73	-165.11	-115.40	0.718		
5,197.00	6.06	282.70	5,185.45	+116.19	-175.52	-117.96	0.141		
5,292.00	6.64	293.07	5,279.87	+119.44	-185.46	-121.31	1.350		
5,386.00	7.60	296.58	5,373.15	+124.35	-196.02	-126.33	1.121		
5,481.00	7.69	294.39	5,467.30	+129.79	-207.43	-131.88	0.321		
5,575.00	6.86	319.61	5,560.57	+136.66	-216.80	-138.85	3.479		
5,669.00	6.68	298.25	5,653.93	+143.53	-225.25	-145.80	2.670		
5,764.00	6.42	296.58	5,748.31	+148.52	-234.87	-150.89	0.339		
5,859.00	6.24	295.79	5,842.73	+153.14	-244.27	-155.61	0.210		
5,953.00	5.89	315.30	5,936.21	+158.79	-252.26	-161.34	2.213		
6,047.00	6.06	294.04	6,029.71	+164.24	-260.19	-166.87	2.348		
6,141.00	6.11	293.42	6,123.18	+168.25	-269.31	-170.97	0.088		
6,236.00	5.71	297.99	6,217.68	+172.48	-278.12	-175.29	0.650		
6,330.00	5.58	297.99	6,311.22	+176.82	-286.29	-179.71	0.138		
6,424.00	5.67	297.38	6,404.77	+181.10	-294.45	-184.07	0.115		
6,519.00	5.84	298.17	6,499.29	+185.54	-302.87	-188.60	0.197		
6,613.00	4.88	302.91	6,592.88	+189.97	-310.45	-193.10	1.124		
6,707.00	4.83	311.96	6,686.54	+194.79	-316.75	-197.99	0.816		
6,802.00	4.70	317.15	6,781.22	+200.32	-322.37	-203.57	0.474		
6,896.00	4.53	317.94	6,874.91	+205.90	-327.47	-209.20	0.193		
6,990.00	3.25	321.81	6,968.69	+210.75	-331.61	-214.09	1.389		
7,085.00	1.27	332.71	7,063.61	+213.80	-333.75	-217.17	2.123		
7,179.00	0.75	319.52	7,157.60	+215.19	-334.63	-218.57	0.602		
7,273.00	0.83	331.39	7,251.59	+216.26	-335.36	-219.64	0.193		
7,368.00	0.97	324.01	7,346.58	+217.51	-336.16	-220.91	0.191		
7,462.00	0.88	328.31	7,440.57	+218.77	-337.01	-222.17	0.121		
7,557.00	0.92	334.99	7,535.55	+220.08	-337.71	-223.49	0.118		
7,651.00	0.92	332.18	7,629.54	+221.44	-338.38	-224.85	0.048		
7,745.00	0.66	340.79	7,723.53	+222.61	-338.91	-226.03	0.303		
7,839.00	0.48	1.01	7,817.53	+223.52	-339.08	-226.94	0.284		
7,934.00	0.48	7.95	7,912.53	+224.31	-339.02	-227.73	0.061		
8,028.00	0.53	24.91	8,006.52	+225.10	-338.78	-228.51	0.167		
8,122.00	0.57	37.92	8,100.52	+225.86	-338.31	-229.27	0.139		
8,217.00	0.75	55.32	8,195.51	+226.59	-337.51	-229.99	0.282		
8,311.00	0.83	65.34	8,289.50	+227.22	-336.39	-230.61	0.170		
8,406.00	0.79	65.17	8,384.49	+227.78	-335.17	-231.16	0.042		
8,500.00	0.83	70.09	8,478.48	+228.29	-333.94	-231.65	0.085		
8,594.00	0.92	73.87	8,572.47	+228.73	-332.57	-232.08	0.114		
8,688.00	0.83	86.70	8,666.46	+228.98	-331.17	-232.32	0.229		
8,783.00	0.83	109.46	8,761.45	+228.79	-329.83	-232.11	0.345		
8,877.00	0.79	126.87	8,855.44	+228.17	-328.67	-231.49	0.264		
8,971.00	0.97	160.44	8,949.43	+227.03	-327.89	-230.34	0.571		
9,066.00	1.58	176.70	9,044.41	+224.97	-327.54	-228.27	0.740		
9,160.00	0.35	145.06	9,138.39	+223.44	-327.31	-226.74	1.378		
9,255.00	0.26	202.19	9,233.39	+223.00	-327.22	-226.30	0.318		
9,349.00	0.70	208.69	9,327.39	+222.30	-327.58	-225.60	0.471		
9,443.00	1.32	208.69	9,421.37	+220.85	-328.37	-224.16	0.660		



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
9,538.00	0.53	289.82	9,516.36	+220.03	-329.31	-223.36	1.415		
9,632.00	0.79	311.35	9,610.36	+220.61	-330.21	-223.94	0.378		
9,726.00	0.66	292.54	9,704.35	+221.25	-331.19	-224.59	0.287		
9,821.00	0.48	271.71	9,799.35	+221.47	-332.10	-224.82	0.286		
9,915.00	0.79	225.30	9,893.34	+221.02	-332.95	-224.38	0.613		
10,009.00	1.23	212.12	9,987.33	+219.71	-333.95	-223.08	0.526		
10,103.00	0.35	254.40	10,081.32	+218.78	-334.76	-222.16	1.063		
10,197.00	0.44	307.39	10,175.31	+218.92	-335.32	-222.31	0.385		
10,292.00	0.40	291.75	10,270.31	+219.27	-335.92	-222.66	0.127		
10,386.00	0.13	193.05	10,364.31	+219.28	-336.25	-222.68	0.467		
10,480.00	0.53	178.46	10,458.31	+218.75	-336.26	-222.14	0.431		
10,574.00	0.97	171.25	10,552.30	+217.53	-336.13	-220.92	0.478		
10,669.00	0.88	35.99	10,647.30	+217.32	-335.58	-220.71	1.801		
10,763.00	1.80	21.14	10,741.27	+219.28	-334.62	-222.66	1.038		
10,857.00	0.44	346.68	10,835.25	+221.01	-334.17	-224.38	1.552		
10,952.00	0.62	264.42	10,930.25	+221.32	-334.77	-224.69	0.748		
11,046.00	1.32	247.80	11,024.23	+220.86	-336.28	-224.25	0.795		
11,140.00	1.85	274.52	11,118.20	+220.57	-338.79	-223.99	0.953		
11,233.00	2.15	271.54	11,211.14	+220.73	-342.03	-224.18	0.341		
11,328.00	0.79	313.72	11,306.11	+221.23	-344.29	-224.71	1.739		
11,422.00	0.83	22.81	11,400.10	+222.31	-344.49	-225.78	0.978		
11,517.00	2.81	142.42	11,495.07	+221.10	-342.80	-224.56	3.474		
11,564.00	6.86	152.88	11,541.89	+217.68	-340.82	-221.12	8.783		
11,611.00	10.24	161.41	11,588.36	+211.22	-338.21	-214.64	7.662		
11,658.00	14.33	160.44	11,634.28	+201.78	-334.93	-205.16	8.713		
11,705.00	18.15	159.83	11,679.39	+189.42	-330.46	-192.76	8.136		
11,752.00	21.62	164.48	11,723.59	+174.20	-325.61	-177.49	8.108		
11,800.00	24.87	169.49	11,767.69	+155.75	-321.40	-159.00	7.920		
11,831.00	27.33	170.72	11,795.53	+142.32	-319.07	-145.54	8.125		
11,863.00	30.76	170.99	11,823.50	+126.98	-316.60	-130.18	10.727		
11,894.00	33.44	171.96	11,849.76	+110.69	-314.16	-113.86	8.803		
11,926.00	36.52	174.33	11,875.97	+92.48	-311.99	-95.63	10.518		
11,957.00	39.07	176.17	11,900.47	+73.55	-310.43	-76.69	8.993		
11,979.00	41.00	176.53	11,917.31	+59.43	-309.53	-62.56	8.836		
12,019.00	44.82	177.93	11,946.60	+32.23	-308.22	-35.35	9.842		
12,066.00	51.46	177.40	11,977.95	-2.72	-306.79	-0.38	14.153		
12,103.00	59.15	178.99	11,999.00	-33.11	-305.85	30.01	21.081		
12,159.00	63.76	182.50	12,025.76	-82.27	-306.52	79.16	9.902		
12,206.00	63.59	182.15	12,046.60	-124.36	-308.23	121.23	0.759		
12,254.00	68.82	182.15	12,065.96	-168.23	-309.88	165.09	10.896		
12,301.00	74.36	181.01	12,080.80	-212.79	-311.10	209.63	12.010		
12,349.00	77.52	180.22	12,092.46	-259.35	-311.60	256.18	6.774		
12,396.00	83.54	180.30	12,100.18	-305.68	-311.81	302.51	12.810		
12,443.00	86.97	180.48	12,104.07	-352.52	-312.13	349.34	7.308		
12,538.00	91.67	180.22	12,105.20	-447.48	-312.71	444.29	4.955		
12,633.00	89.43	181.89	12,104.29	-542.45	-314.46	539.24	2.941		
12,727.00	86.70	181.62	12,107.46	-636.34	-317.33	633.10	2.918		
12,822.00	87.93	180.83	12,111.91	-731.22	-319.36	727.95	1.538		
12,917.00	89.17	178.63	12,114.32	-826.18	-318.91	822.91	2.658		
13,011.00	90.53	178.46	12,114.56	-920.14	-316.53	916.89	1.458		



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
13,106.00	91.49	177.49	12,112.89	-1,015.07	-313.17	1,011.85	1.436		
13,201.00	91.63	181.36	12,110.30	-1,110.01	-312.22	1,106.79	4.075		
13,296.00	90.79	181.80	12,108.29	-1,204.95	-314.84	1,201.70	0.998		
13,391.00	91.19	180.66	12,106.65	-1,299.91	-316.88	1,296.64	1.272		
13,485.00	90.92	179.60	12,104.92	-1,393.90	-317.09	1,390.61	1.163		
13,580.00	91.10	178.37	12,103.25	-1,488.86	-315.41	1,485.59	1.308		
13,675.00	90.83	180.92	12,101.65	-1,583.84	-314.82	1,580.57	2.699		
13,770.00	89.47	181.01	12,101.40	-1,678.82	-316.42	1,675.54	1.435		
13,864.00	87.45	180.66	12,103.92	-1,772.78	-317.79	1,769.47	2.181		
13,959.00	90.26	180.66	12,105.82	-1,867.74	-318.88	1,864.42	2.958		
14,054.00	91.41	180.74	12,104.44	-1,962.72	-320.04	1,959.38	1.213		
14,149.00	89.21	181.27	12,103.92	-2,057.70	-321.71	2,054.34	2.382		
14,272.00	91.98	180.48	12,102.65	-2,180.67	-323.59	2,177.28	2.342		
14,366.00	92.07	180.22	12,099.33	-2,274.61	-324.16	2,271.21	0.293		
14,461.00	91.54	180.13	12,096.33	-2,369.56	-324.45	2,366.15	0.566		
14,556.00	92.55	181.45	12,092.94	-2,464.48	-325.76	2,461.06	1.749		
14,651.00	92.29	179.95	12,088.93	-2,559.39	-326.92	2,555.95	1.601		
14,745.00	90.66	178.02	12,086.51	-2,653.34	-325.25	2,649.91	2.687		
14,840.00	89.96	177.84	12,086.00	-2,748.27	-321.82	2,744.87	0.761		
14,934.00	91.98	176.00	12,084.41	-2,842.11	-316.77	2,838.76	2.907		
15,029.00	93.52	178.02	12,079.85	-2,936.87	-311.82	2,933.56	2.672		
15,124.00	93.25	178.99	12,074.24	-3,031.67	-309.35	3,028.38	1.058		
15,218.00	89.56	179.95	12,071.93	-3,125.62	-308.48	3,122.34	4.056		
15,313.00	89.34	180.22	12,072.85	-3,220.61	-308.62	3,217.33	0.367		
15,408.00	91.23	180.13	12,072.37	-3,315.61	-308.91	3,312.31	1.992		
15,503.00	90.70	179.51	12,070.77	-3,410.59	-308.61	3,407.30	0.859		
15,598.00	89.69	178.46	12,070.45	-3,505.58	-306.93	3,502.29	1.534		
15,692.00	90.97	178.90	12,069.91	-3,599.55	-304.76	3,596.28	1.440		
15,787.00	90.40	177.49	12,068.77	-3,694.49	-301.77	3,691.25	1.601		
15,882.00	92.68	177.67	12,066.22	-3,789.36	-297.76	3,786.16	2.407		
15,976.00	94.31	178.11	12,060.49	-3,883.12	-294.31	3,879.95	1.796		
16,071.00	93.38	177.93	12,054.12	-3,977.85	-291.03	3,974.70	0.997		
16,166.00	92.81	178.81	12,048.99	-4,072.67	-288.33	4,069.55	1.103		
16,260.00	87.32	180.74	12,048.88	-4,166.63	-287.97	4,163.50	6.191		
16,355.00	91.67	181.71	12,049.72	-4,261.58	-290.00	4,258.43	4.691		
16,449.00	86.35	180.48	12,051.34	-4,355.52	-291.79	4,352.34	5.809		
16,544.00	87.06	180.39	12,056.80	-4,450.36	-292.51	4,447.17	0.753		
16,639.00	86.35	179.95	12,062.26	-4,545.20	-292.79	4,542.00	0.879		
16,734.00	90.48	180.66	12,064.89	-4,640.14	-293.30	4,636.93	4.411		
16,829.00	90.44	178.63	12,064.13	-4,735.13	-292.71	4,731.92	2.137		
16,924.00	88.81	179.16	12,064.75	-4,830.11	-290.88	4,826.91	1.804		
17,018.00	87.93	179.25	12,067.42	-4,924.06	-289.58	4,920.87	0.941		
17,113.00	88.46	179.07	12,070.42	-5,019.00	-288.18	5,015.83	0.589		
17,208.00	87.41	179.51	12,073.84	-5,113.93	-287.01	5,110.76	1.198		
17,302.00	86.09	178.99	12,079.17	-5,207.77	-285.78	5,204.61	1.509		
17,397.00	86.57	178.20	12,085.25	-5,302.54	-283.45	5,299.40	0.972		
17,491.00	90.35	179.43	12,087.78	-5,396.47	-281.51	5,393.34	4.229		
17,586.00	87.14	176.53	12,089.86	-5,491.37	-278.17	5,488.27	4.553		
17,680.00	88.07	179.16	12,093.79	-5,585.21	-274.64	5,582.14	2.965		
17,775.00	88.29	179.60	12,096.80	-5,680.15	-273.61	5,677.09	0.518		



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
17,870.00	89.43	178.81	12,098.69	-5,775.12	-272.29	5,772.07	1.460		
17,964.00	89.43	178.28	12,099.63	-5,869.09	-269.90	5,866.06	0.564		
18,059.00	85.96	175.03	12,103.45	-5,963.82	-264.37	5,960.84	5.002		
18,146.00	90.79	176.44	12,105.92	-6,050.52	-257.91	6,047.60	5.783		
18,248.00	90.66	178.20	12,104.63	-6,152.40	-253.14	6,149.52	1.730		
18,342.00	90.40	178.46	12,103.76	-6,246.35	-250.40	6,243.50	0.391		
18,437.00	90.57	178.99	12,102.95	-6,341.32	-248.28	6,338.49	0.586		
18,532.00	90.00	180.74	12,102.48	-6,436.32	-248.06	6,433.48	1.937		
18,626.00	88.24	182.50	12,103.92	-6,530.26	-250.72	6,527.39	2.648		
18,721.00	88.42	182.85	12,106.69	-6,625.12	-255.15	6,622.20	0.414		
18,815.00	89.25	181.36	12,108.60	-6,719.03	-258.60	6,716.07	1.814		
18,910.00	85.87	178.11	12,112.65	-6,813.92	-258.17	6,810.96	4.933		
19,005.00	85.78	175.03	12,119.57	-6,908.49	-252.50	6,905.58	3.235		
19,099.00	85.87	172.75	12,126.41	-7,001.70	-242.52	6,998.88	2.421		
19,194.00	85.78	176.97	12,133.33	-7,096.04	-234.03	7,093.31	4.431		
19,289.00	85.74	182.41	12,140.36	-7,190.75	-233.52	7,188.01	5.711		
19,336.00	87.58	181.45	12,143.10	-7,237.64	-235.10	7,234.89	4.414		
19,383.00	86.88	179.69	12,145.37	-7,284.58	-235.57	7,281.82	4.026		
19,478.00	85.65	181.71	12,151.56	-7,379.36	-236.72	7,376.59	2.486		
19,573.00	85.56	180.83	12,158.84	-7,474.06	-238.82	7,471.26	0.928		
19,668.00	86.04	179.78	12,165.79	-7,568.80	-239.33	7,565.99	1.213		
19,762.00	87.32	180.66	12,171.24	-7,662.64	-239.69	7,659.82	1.652		
19,857.00	87.67	181.89	12,175.39	-7,757.52	-241.80	7,754.68	1.345		
19,952.00	80.77	181.36	12,184.95	-7,851.94	-244.48	7,849.07	7.284		
20,047.00	80.46	182.33	12,200.44	-7,945.62	-247.50	7,942.71	1.059		
20,141.00	86.35	182.85	12,211.24	-8,038.86	-251.72	8,035.90	6.290		
20,236.00	87.28	182.50	12,216.51	-8,133.61	-256.15	8,130.60	1.046		
20,330.00	85.08	181.98	12,222.78	-8,227.33	-259.81	8,224.27	2.405		
20,425.00	85.61	181.71	12,230.49	-8,321.96	-262.86	8,318.88	0.626		
20,519.00	83.72	180.39	12,239.23	-8,415.53	-264.58	8,412.42	2.449		
20,614.00	84.51	180.39	12,248.97	-8,510.03	-265.22	8,506.91	0.832		
20,708.00	85.25	179.78	12,257.35	-8,603.65	-265.36	8,600.53	1.019		
20,803.00	88.68	180.83	12,262.38	-8,698.50	-265.87	8,695.37	3.775		
20,897.00	89.87	179.16	12,263.57	-8,792.49	-265.86	8,789.35	2.181		
20,992.00	89.87	178.46	12,263.79	-8,887.47	-263.88	8,884.34	0.737	0.00 B	0.00 L
21,087.00	89.56	177.32	12,264.26	-8,982.40	-260.39	8,979.31	1.244	0.00 B	0.84 L
21,181.00	87.54	179.34	12,266.64	-9,076.32	-257.65	9,073.25	3.038	0.45 A	0.10 R
21,275.00	87.36	179.34	12,270.82	-9,170.22	-256.57	9,167.16	0.191	1.91 A	3.94 R
21,370.00	89.91	179.51	12,273.09	-9,265.18	-255.61	9,262.12	2.690	7.75 A	9.00 R
21,464.00	87.58	180.57	12,275.14	-9,359.15	-255.68	9,356.09	2.723	13.61 A	14.27 R
21,559.00	85.12	179.69	12,281.19	-9,453.95	-255.89	9,450.88	2.750	14.64 A	16.81 R
21,654.00	88.99	179.34	12,286.07	-9,548.80	-255.09	9,545.73	4.090	16.41 A	16.97 R
21,748.00	85.25	177.23	12,290.79	-9,642.62	-252.28	9,639.57	4.567	18.24 A	15.11 R
21,843.00	84.77	177.32	12,299.06	-9,737.15	-247.79	9,734.15	0.514	16.59 A	11.56 R
21,938.00	84.33	176.88	12,308.08	-9,831.60	-243.00	9,828.64	0.654	14.19 A	7.73 R
22,032.00	82.62	176.00	12,318.76	-9,924.81	-237.20	9,921.90	2.043	10.05 A	2.87 R
22,126.00	83.23	175.21	12,330.34	-10,017.82	-230.05	10,014.98	1.057	4.96 A	3.34 L
22,206.00	82.09	174.07	12,340.56	-10,096.81	-222.64	10,094.04	2.007	0.22 A	9.99 L



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Depth (ft)	Incl. (°)	(Grid) Azim. (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Above/Below Wellplan (ft)	Left/Right Wellplan (ft)
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Bit Projection

22,260.00 82.09 174.07 12,347.99 -10,150.01 -217.12 10,147.30 0.000

All data is in Feet (US Survey) unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to Parade State Com704H. Northings and Eastings are relative to Parade State Com704H.

The dogleg severity is in Degrees per 100 feet (US Survey).
Vertical Section is from Parade State Com704H calculated along an azimuth of 179.42° (Grid).

Based upon minimum curvature calculations, at a measured depth of 22,260.00ft, the bottom hole displacement is 10,152.34ft, in the direction of 181.23° (Grid).

The along-hole displacement is 10,823.45ft. The total accumulated dogleg is 336.424°.
The measured tortuosity is 1.656°/100ft. The directional difficulty index is 6.3.

Comments associated with Parade State Com 704H, 9

Station Coordinates						
Survey Depth (ft)	Incl. (°)	(Grid) Azimuth (°)	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Comment
1,239.00	0.60	227.48	1,238.97	-1.02	-4.60	WidFire Surface Surveys - End
1,239.00	0.60	227.48	1,238.97	-1.02	-4.60	1 OH 30-025-46506
1,275.00	0.76	228.53	1,274.96	-1.30	-4.92	F.I.T Test
4,288.00	4.92	305.82	4,281.79	+86.12	-83.55	Stalled twice while sliding with 20 WOB. Raised pump
5,010.00	6.59	283.58	4,999.53	+111.53	-156.07	2 OH 30-025-46506
5,095.00	5.98	283.84	5,084.01	+113.73	-165.11	3 OH 30-025-46506
5,099.00	5.98	283.79	5,087.99	+113.83	-165.51	FIT TEST 11 PPG
11,140.00	1.85	274.52	11,118.20	+220.57	-338.79	4 OH 30-025-46506
11,153.00	1.89	274.05	11,131.19	+220.60	-339.22	Wash last 2 stands to bottom
11,174.00	1.96	273.32	11,152.18	+220.64	-339.92	Shut in well
11,402.00	0.73	10.40	11,380.10	+222.05	-344.57	Work On Pumps
11,800.00	24.87	169.49	11,767.69	+155.75	-321.40	DISCUSS OPTIONS WITH CURRENT MOTOR YIELD
11,863.00	30.76	170.99	11,823.50	+126.98	-316.60	DISCUSS MY
11,979.00	41.00	176.53	11,917.31	+59.43	-309.53	Walk rig over from SW210154
11,988.00	41.86	176.86	11,924.06	+53.48	-309.18	F.I.T Test
12,380.00	81.49	180.27	12,098.10	-289.82	-311.73	Heo /FM Landing discussion
16,633.00	86.39	179.98	12,061.89	-4,539.21	-292.80	TIH T/ 2560
16,633.00	86.39	179.98	12,061.89	-4,539.21	-292.80	P/U Trip Nipple & Install Rot Head
16,633.00	86.39	179.98	12,061.89	-4,539.21	-292.80	P/U Agitator & Test 2250 PSI Before and 2700 After
16,633.00	86.39	179.98	12,061.89	-4,539.21	-292.80	Change Bit/ Motor/ MWD/ Test MWD
18,140.00	90.46	176.34	12,105.98	-6,044.53	-258.28	Clean up cycle
18,146.00	90.79	176.44	12,105.92	-6,050.52	-257.91	MAKE UP AGITATOR AND TEST/ 1800 PSI @300 C
18,146.00	90.79	176.44	12,105.92	-6,050.52	-257.91	P/U MOTOR SCRIBE/ INSTALL MWD/ TEST MWD/
18,146.00	90.79	176.44	12,105.92	-6,050.52	-257.91	Relog Gamma
18,821.00	89.04	181.16	12,108.69	-6,725.03	-258.73	Drawworks locked up
18,910.00	85.87	178.11	12,112.65	-6,813.92	-258.17	Reset PLC
18,956.00	85.82	176.62	12,115.98	-6,859.75	-256.06	Check Shot above slide Az moved 3* already
18,957.00	85.82	176.59	12,116.05	-6,860.74	-256.00	Check Shot above slide Az moved 3* already
19,018.00	85.79	174.71	12,120.52	-6,921.40	-251.34	Rack back std to check svy above slide. Svy Good
19,910.00	83.82	181.60	12,179.32	-7,810.34	-243.41	Re-log ~200' of Gamma to Bottom



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

Survey Tool Program for Parade State Com 704H, 9

From Measured Depth (ft)	Vertical Depth (ft)	To Measured Depth (ft)	Vertical Depth (ft)	Survey Tool Description
0.00	0.00	1,239.00	1,238.97	OWSG (Rev2) MWD
1,239.00	1,238.97	5,010.00	4,999.53	OWSG (Rev2) MWD
5,010.00	4,999.53	5,095.00	5,084.01	OWSG (Rev2) MWD
5,095.00	5,084.01	11,140.00	11,118.20	OWSG (Rev2) MWD
11,140.00	11,118.20	11,979.00	11,917.31	OWSG (Rev2) MWD
11,979.00	11,917.31	14,149.00	12,103.92	OWSG (Rev2) MWD
14,149.00	12,103.92	16,544.00	12,056.80	OWSG (Rev2) MWD
16,544.00	12,056.80	18,146.00	12,105.92	OWSG (Rev2) MWD
18,146.00	12,105.92	19,857.00	12,175.39	OWSG (Rev2) MWD
19,857.00	12,175.39	22,206.00	12,340.56	OWSG (Rev2) MWD



Franklin Mountain Energy

Delaware Basin, Lea County, NM (NAD83)

Survey Report for Carnival East Pad, Parade State Com 704H, 9

REFERENCE DATA

Ellipsoid	Geodetic Reference System of 1980	Unit System	Feet (Us Survey)
Coord. System	NAD83 New Mexico State Planes, Eastern Zone	North Ref.	Grid North
Mag. Model	International Geomagnetic Reference Field 2020	Vertical Ref.	Mean Sea Level
Calc. Date	10 Mar, 2021		

LOCATION DATA

RKB Elevation	3,288.00ft above MSL	Total Field	47513.0 nT
Map North	+425,502.20	Magnetic Dip	59.89°
Map East	+850,516.61	Declination	6.46°
Latitude	32.16583806° N	Convergence	0.53°
Longitude	103.33416244° W	Earth's Gravity Field (Ge)	0.999500Gn

NORTH REFERENCE DATA

Magnetic Model	ational Geomagnetic Reference Field 2020
Calculation Date	Wednesday, March 10, 2021
Declination	6.46°
Inclination/Dip	59.89°
Horizontal Component	23833.9 nT
Northerly Component	23682.5 nT
Easterly Component	2682.3 nT
Vertical Component	41102.7 nT
Total Field Strength	47513.0 nT
Grid North is 0.53 degrees East of True North (Grid Convergence) Magnetic North is 6.46 degrees East of True North (Magnetic Declination) Magnetic North is 5.93 degrees East of Grid North (Magnetic Convergence)	
To convert a True Direction to a Grid Direction, Subtract 0.53 degrees. To convert a Magnetic Direction to a True Direction, Add 6.46 degrees. To convert a Magnetic Direction to a Grid Direction, Add 5.93 degrees.	

The diagram illustrates the angular relationships between three types of North: True North, Grid North, and Magnetic North. True North is represented by a vertical arrow pointing upwards. Grid North is an arrow pointing slightly to the right of True North, with an angle of 0.53° indicated between them. Magnetic North is an arrow pointing further to the right, with an angle of 5.93° indicated between Grid North and Magnetic North. A fourth arrow, labeled 'Hole Direction', points horizontally to the right. The angles are marked with arcs and degree symbols.

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Action 40456

ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 40456
	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.

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

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 expires 11/09/2021; submit all drilling, casing, and completion sundries/reports.	9/8/2021