

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

WELL API NO. 30-025-46506
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. VB-21117
7. Lease Name or Unit Agreement Name PARADE STATE COM
8. Well Number 704H
9. OGRID Number 373910
10. Pool name or Wildcat WC-025 G-09 S253502D; UPR WOLFCAMP

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.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	7. Lease Name or Unit Agreement Name PARADE STATE COM
2. Name of Operator FRANKLIN MOUNTAIN ENERGY, LLC	8. Well Number 704H
3. Address of Operator 44 COOK STREET, SUITE 1000, DENVER, CO 80206	9. OGRID Number 373910
4. Well Location Unit Letter <u>B</u> : <u>321</u> feet from the <u></u> north <u></u> line and <u>1355</u> feet from the <u></u> east <u></u> line Section <u>2</u> Township <u>25S</u> Range <u>35E</u> NMPM County <u>Lea</u>	10. Pool name or Wildcat WC-025 G-09 S253502D; UPR WOLFCAMP
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3259	

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: Production Casing & Cement ☒

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.

Franklin Mountain Energy, LLC (FME), Operator of the above captioned well, respectfully submits the below drilling operations notice:

Drilled production 6.75" hole to 22,260' TD 5/3/2021 @ 17:30hrs. Condition hole. **RIH w/ 23 lb/ft 5.5" production casing** as follows: make up float shoe 1.80', 1 jt P-110 44.30', float collar 2.24', 1 jt P-110 44.13', land collar latch plug 1.35', 1 jt P-110 45.88', fill pipe, check floats, #1 ct sleeve 25.25', 1 jt P-110 45.64', #2 ct sleeve 25.25', followed by 60 jts P-110 2,070', A marker jt P-110 22.56' @ 19,288.26' followed by 40 jts P-110 3,380', B marker P-110 22.86' @ 17,480.21', followed by 108 jts P-110 4,870.12'. C marker joint 22.80' set near LP of curve @ 12,587' (LP 12,475'), followed by 26 joints P-110 1184.05'. install air gap sub 1.80' @ 11,401.44', followed by 73 joints P-110 3,338.88', marker joint D 22.80' @ 8,040.26', followed by 125 joints P-110 MS2 (2,947.86'). **5-1/2" casing set @ 22,237.69' (total joints ran 507).**

Cemented 5.5" casing as follows: fill lines & successful pressure test to 9,000 psi. Mix and pump 40 bbls of mud flush express @ 12.5ppg, 143 bbls of MRF D035 mixed @ 12.5 ppg, followed by 215 bbls (929 sxs) of Class H tail cement mixed @ 15 ppg. Displace with 20 bbls of FW w/ retarder. Total displacement volume 469 bbls. Circ pressure before landing plug 7300 psi, bump plug with 500 psi over @ 7800 psi. Bled back 12 bbls. Floats held. Full returns throughout job. Returned 40 bbl of spacer and 9 bbls of MRF to surface.

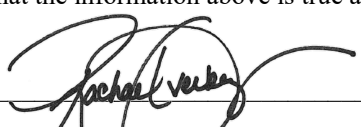
Good cement.

Rigged released H&P 556 @ 21:30hrs on 5/5/2021. Final survey attached.

Spud Date: 3/23/2021

Rig Release Date: 5/5/2021

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

SIGNATURE  TITLE Dir. Ops Planning & Regulatory DATE 7/29/2021

Type or print name Rachael Overbey E-mail address: roverbey@fmellc.com PHONE: 720-414-6878

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

**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





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

CONDITIONS

Action 39061

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 39061
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/2/2021