

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 Franklin Mountain Energy, LLC 44 Cook Street, Suite 1000 Denver, CO 80206		² OGRID Number 373910	
		³ Reason for Filing Code/ Effective Date NW-New Well	
⁴ API Number 30-025-49659	⁵ Pool Name [98187] WC-025 G-09 S253502D; UPR WOLFCAMP		⁶ Pool Code 98187
⁷ Property Code 331897	⁸ Property Name CARNIVAL STATE COM		⁹ Well Number 804H

II. ¹⁰ Surface Location

UL or lot no. 2	Section 2	Township 25S	Range 35E	Lot Idn	Feet from the 674	North/South Line FNL	Feet from the 2574	East/West line FEL	County Lea
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¹¹ Bottom Hole Location

UL or lot no. O	Section 11	Township 25S	Range 35E	Lot Idn	Feet from the 164	North/South line FSL	Feet from the 2254	East/West line FEL	County Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 3/8/2022	¹⁵ C-129 Permit Number N/A		¹⁶ C-129 Effective Date N/A		¹⁷ C-129 Expiration Date N/A		

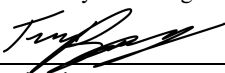
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
14021	MARATHON OIL COMPANY 306 W Wall St, Midland, TX 79701	O
371960	LUCID ENERGY DELAWARE, LLC 3100 McKinnon St, Suite 800 Dallas, Texas 75201	G

IV. Well Completion Data

²¹ Spud Date 12/27/2021	²² Ready Date 3/8/2022	²³ TD 22,582'	²⁴ PBTD 22,470'	²⁵ Perforations 12,622'-22,334'	²⁶ DHC, MC	
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set		³⁰ Sacks Cement
17 1/2"		13 3/8"		1,311		1117
12 1/4"		9 5/8"		5,214		2612
8 3/4"		7 5/8"		11,811		449
6 3/4"		5 1/2"		22,562		912

V. Well Test Data

³¹ Date New Oil 3/8/2022	³² Gas Delivery Date 3/8/2022	³³ Test Date 4/5/2022	³⁴ Test Length 24hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1429
³⁷ Choke Size 38/64	³⁸ Oil 1758	³⁹ Water 4882	⁴⁰ Gas 1354		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: Travis Biggart			Approved by: Sarah McGrath		
Title: Senior Operations Analyst			Title: Petroleum Specialist - A		
E-mail Address: tbiggart@fmc.com			Approval Date: 11/23/2022		
Date: 11/21/2022			Phone: 303-396-7515		
			File 3160-4 within 10 days of BLM Approval		

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49659	² Pool Code 98187	³ Pool Name WC-025 G-09 S253502D;UPR WOLFCAMP
⁴ Property Code 331897	⁵ Property Name CARNIVAL STATE COM	⁶ Well Number 804H
⁷ OGRID No. 373910	⁸ Operator Name FRANKLIN MOUNTAIN ENERGY LLC	⁹ Elevation 3246.1'

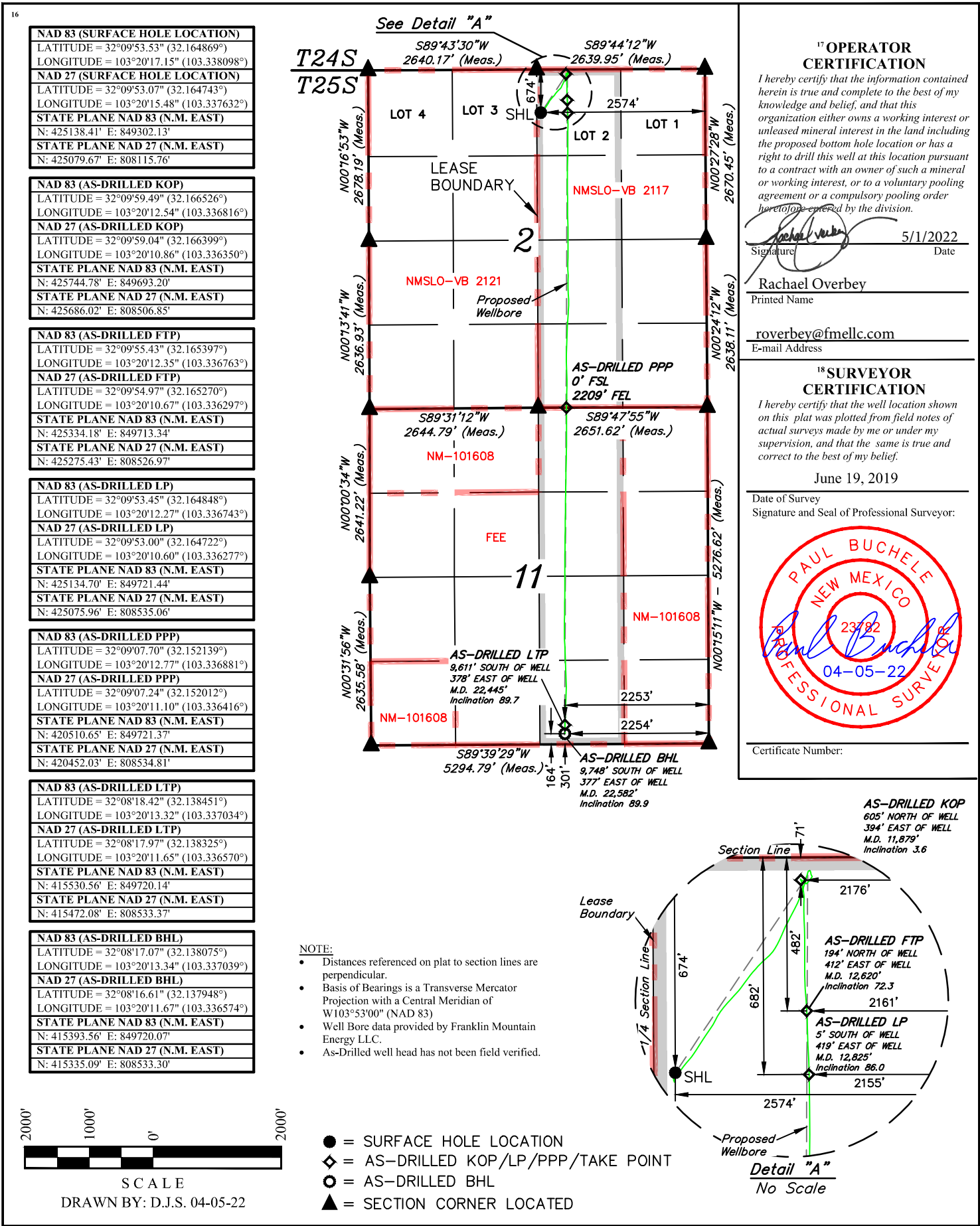
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	2	25S	35E		674	NORTH	2574	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
O	11	25S	35E		164	SOUTH	2254	EAST	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

Project: Lea County, NM (NAD83)
 Site: Carnival Mid Pad
 Well: Carnival State Com 804H
 Wellbore: Wellbore #1
 Design: Surveys



Azimuths to Grid North
 True North: -0.53°
 Magnetic North: 5.84°

Magnetic Field
 Strength: 47534.3nT
 Dip Angle: 59.72°
 Date: 1/8/2022
 Model: HDGM2022

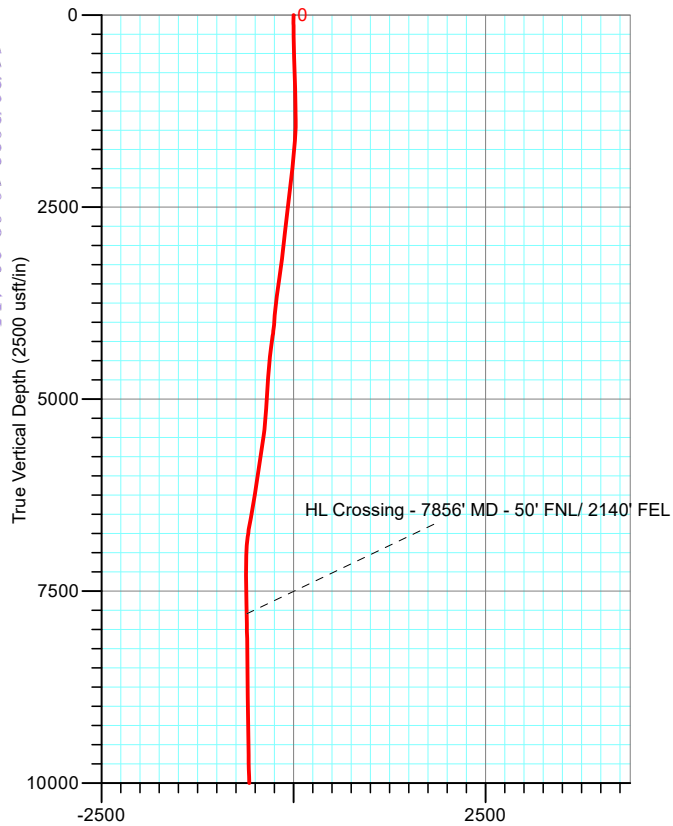
PROJECT DETAILS: Lea County, NM (NAD83)

Geodetic System: US State Plane 1983

Datum: North American Datum 1983

Ellipsoid: GRS 1980

Zone: New Mexico Eastern Zone

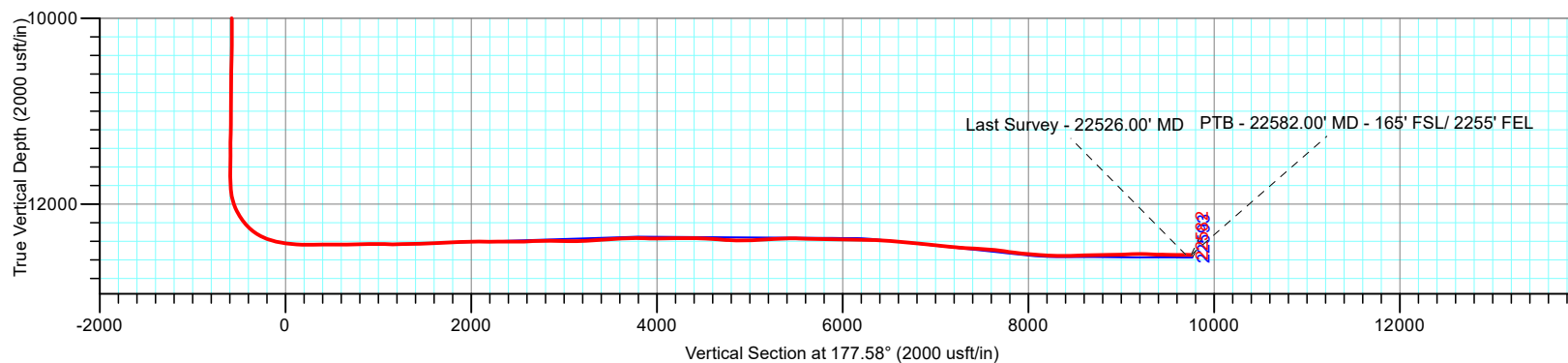
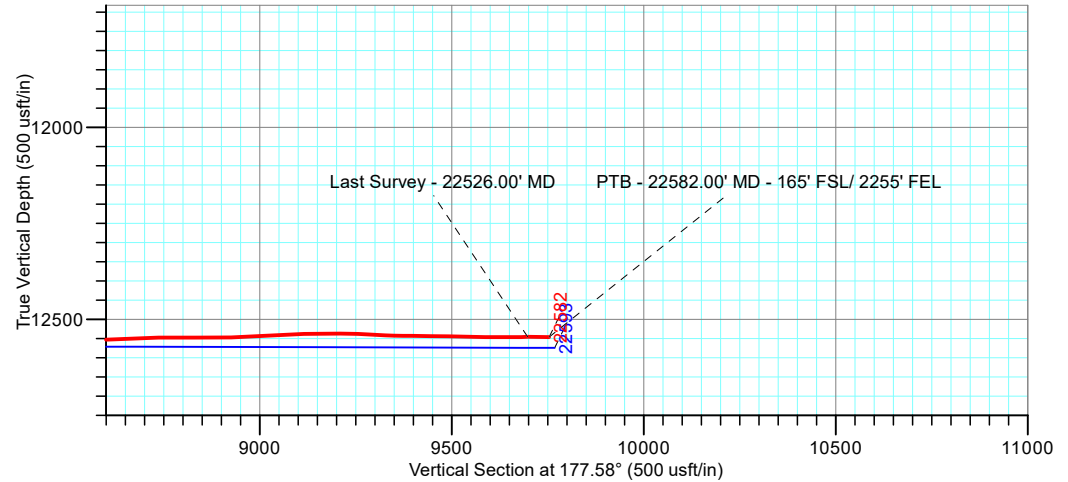


ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSed	Departure	Annotation
7856.07	1.17	186.40	7796.25	628.02	422.55	-609.63	840.91	HL Crossing - 7856' MD - 50' FNL/ 2140' FEL
22526.00	89.89	179.93	2545.92	-9688.85	417.86	9697.85	1214.40	Last Survey - 22526.00' MD
22582.00	89.89	179.93	2546.03	-9744.85	417.93	9753.80	1270.40	PTB - 22582.00' MD - 165' FSL/ 2255' FEL

ACTUAL CALLOUTS

SHL: 674' FNL/ 2574' FEL
HL Crossing: 50' FNL/ 2140' FEL
BHL: 165' FSL/ 2255' FEL



TOTAL DIRECTIONAL SERVICES LLC
 671 Academy Ct, Windsor, CO 80550
 Phone: (970) 460-9402

Design: Surveys (Carnival State Com 804H/Wellbore #1)
 Created By: R. Wafer
 Date: 17:18, February 22 2022
 Approved: _____
 Date: _____

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Carnival Mid Pad
Well: Carnival State Com 804H
Wellbore: Wellbore #1
Design: Surveys



Azimuths to Grid North
True North: -0.53°
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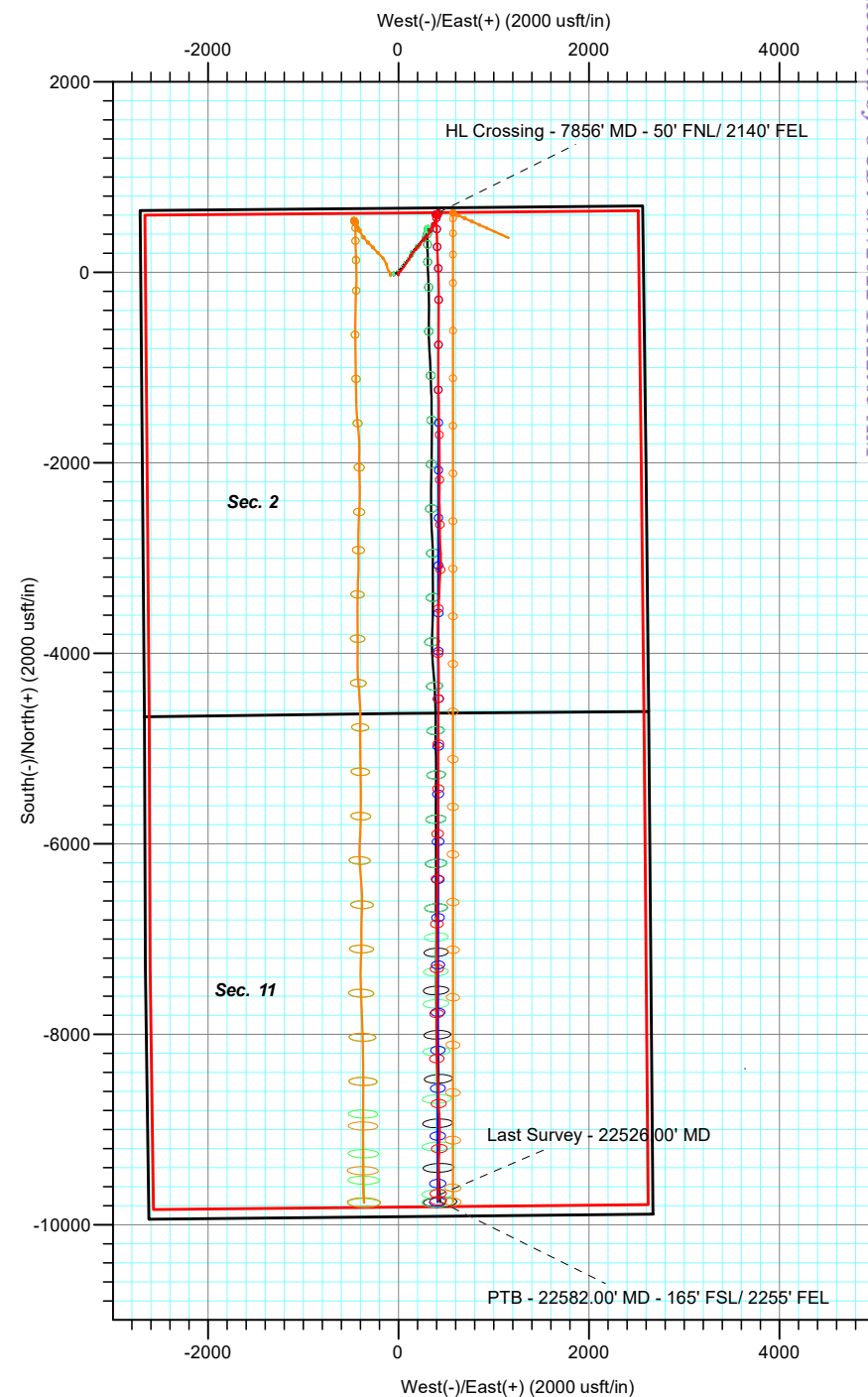
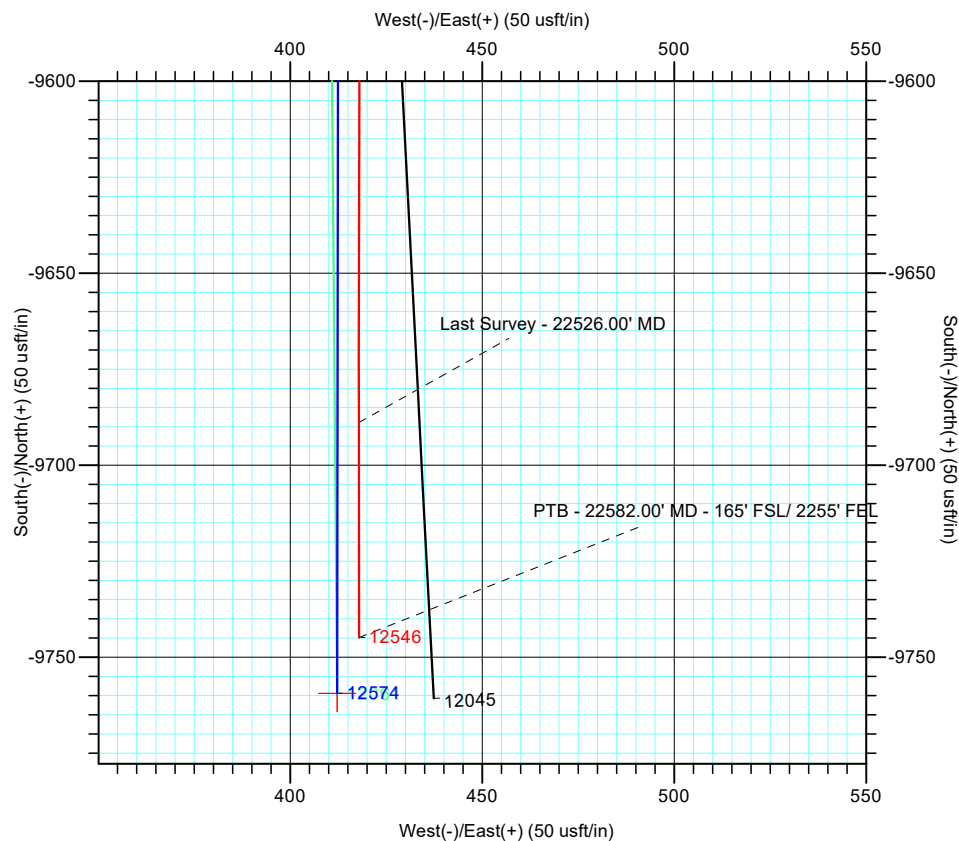
Magnetic Field
Strength: 47534.3nT
Dip Angle: 59.72°
Date: 1/8/2022
Model: HDGM2022

PROJECT DETAILS: Lea County, NM (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSD	Departure	Annotation
7856.07	1.17	186.40	7796.25	628.02	422.55	-609.63	840.91	HL Crossing - 7856' MD - 50' FNL/ 2140' FEL
22526.00	89.89	179.93	2545.92	-9688.85	417.86	9697.85	1214.40	Last Survey - 22526.00' MD
22582.00	89.89	179.93	2546.03	-9744.85	417.93	9753.80	1270.40	PTB - 22582.00' MD - 165' FSL/ 2255' FEL



TOTAL DIRECTIONAL SERVICES LLC
671 Academy Ct, Windsor, CO 80550
Phone: (970) 460-9402

Design: Surveys (Carnival State Com 804H/Wellbore #1)
Carnival Mid Pad
Created By: R. Wafer
Date: 17:17, February 22 2022
Approved: _____
Date: _____



Franklin Mountain Energy

Lea County, NM (NAD83)

Carnival Mid Pad

Carnival State Com 804H

Wellbore #1

Design: Surveys

Standard Survey Report

22 February, 2022





Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Carnival Mid Pad		
Site Position:		Northing:	425,138.41 usft
From:	Map	Easting:	849,302.13 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.164869
		Longitude:	-103.338098

Well	Carnival State Com 804H		
Well Position	+N/-S	0.00 usft	Northing: 425,138.41 usft
	+E/-W	0.00 usft	Easting: 849,302.13 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.53 °	Ground Level:	3,246.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	1/8/2022	6.37	59.72	47,534.30000000

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	177.58	

Survey Program	Date	2/22/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
84.00	1,273.00	Survey #1 (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard	
1,368.00	22,582.00	Survey #2 (Wellbore #1)	OWSG (Rev2) MWD+IFR	OWSG MWD + IFR1 + Multi-Station Correction	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
84.00	0.70	75.84	84.00	0.13	0.50	-0.10	0.83	0.83	0.00	
112.00	0.30	203.84	112.00	0.10	0.63	-0.07	3.27	-1.43	457.14	
140.00	0.90	217.84	140.00	-0.14	0.47	0.16	2.19	2.14	50.00	
173.00	1.10	209.84	172.99	-0.62	0.15	0.63	0.74	0.61	-24.24	
202.00	1.00	209.84	201.99	-1.08	-0.11	1.08	0.34	-0.34	0.00	
232.00	0.90	201.84	231.98	-1.53	-0.33	1.51	0.55	-0.33	-26.67	
262.00	1.00	211.84	261.98	-1.97	-0.56	1.94	0.64	0.33	33.33	
294.00	1.10	201.84	293.97	-2.49	-0.82	2.45	0.65	0.31	-31.25	



Survey Report



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Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
325.00	1.30	199.84	324.97	-3.10	-1.05	3.05	0.66	0.65	-6.45
356.00	1.10	196.84	355.96	-3.71	-1.25	3.66	0.68	-0.65	-9.68
388.00	1.30	195.84	387.95	-4.36	-1.44	4.29	0.63	0.62	-3.12
419.00	1.50	203.84	418.94	-5.07	-1.70	4.99	0.90	0.65	25.81
451.00	1.60	199.84	450.93	-5.87	-2.02	5.78	0.46	0.31	-12.50
482.00	1.60	198.84	481.92	-6.69	-2.31	6.58	0.09	0.00	-3.23
514.00	1.40	201.84	513.91	-7.47	-2.60	7.35	0.67	-0.62	9.37
545.00	1.40	201.84	544.90	-8.17	-2.88	8.05	0.00	0.00	0.00
576.00	1.80	191.84	575.89	-9.00	-3.12	8.86	1.57	1.29	-32.26
608.00	1.70	185.84	607.87	-9.97	-3.27	9.82	0.65	-0.31	-18.75
639.00	1.70	198.84	638.86	-10.86	-3.47	10.70	1.24	0.00	41.94
671.00	1.70	188.84	670.84	-11.78	-3.69	11.61	0.93	0.00	-31.25
702.00	1.80	199.84	701.83	-12.69	-3.93	12.51	1.13	0.32	35.48
733.00	1.90	190.84	732.81	-13.65	-4.19	13.46	0.99	0.32	-29.03
765.00	1.60	189.84	764.80	-14.61	-4.37	14.42	0.94	-0.94	-3.12
796.00	1.80	184.84	795.78	-15.52	-4.48	15.32	0.80	0.65	-16.13
827.00	1.90	191.84	826.77	-16.51	-4.63	16.30	0.80	0.32	22.58
859.00	1.90	192.84	858.75	-17.55	-4.86	17.33	0.10	0.00	3.12
922.00	1.60	192.84	921.72	-19.43	-5.28	19.18	0.48	-0.48	0.00
953.00	1.60	177.84	952.71	-20.28	-5.36	20.04	1.35	0.00	-48.39
985.00	1.50	183.84	984.70	-21.14	-5.37	20.90	0.60	-0.31	18.75
1,016.00	1.50	181.84	1,015.69	-21.95	-5.41	21.71	0.17	0.00	-6.45
1,047.00	1.60	161.84	1,046.68	-22.77	-5.29	22.53	1.77	0.32	-64.52
1,079.00	1.40	132.84	1,078.67	-23.46	-4.87	23.23	2.42	-0.62	-90.62
1,110.00	1.70	172.84	1,109.66	-24.18	-4.53	23.96	3.54	0.97	129.03
1,142.00	1.50	118.84	1,141.64	-24.85	-4.11	24.65	4.57	-0.62	-168.75
1,173.00	1.40	169.84	1,172.64	-25.42	-3.68	25.24	4.04	-0.32	164.52
1,205.00	1.30	160.84	1,204.63	-26.14	-3.50	25.97	0.73	-0.31	-28.12
1,236.00	1.20	161.84	1,235.62	-26.78	-3.28	26.62	0.33	-0.32	3.23
1,273.00	1.00	182.84	1,272.61	-27.48	-3.17	27.32	1.21	-0.54	56.76
1,368.00	0.99	179.25	1,367.60	-29.12	-3.20	28.96	0.07	-0.01	-3.78
1,463.00	1.16	19.07	1,462.59	-29.04	-2.88	28.89	2.23	0.18	-168.61
1,558.00	3.43	11.49	1,557.51	-25.34	-2.00	25.23	2.41	2.39	-7.98
1,651.00	5.26	14.52	1,650.24	-18.49	-0.38	18.46	1.98	1.97	3.26
1,745.00	6.71	32.34	1,743.73	-9.68	3.64	9.82	2.49	1.54	18.96
1,839.00	7.72	37.46	1,836.99	-0.02	10.42	0.46	1.27	1.07	5.45
1,933.00	8.06	36.98	1,930.10	10.25	18.22	-9.47	0.37	0.36	-0.51
2,027.00	7.76	37.27	2,023.20	20.57	26.03	-19.45	0.32	-0.32	0.31
2,122.00	7.72	40.01	2,117.34	30.56	34.02	-29.09	0.39	-0.04	2.88
2,217.00	7.52	40.44	2,211.50	40.18	42.15	-38.36	0.22	-0.21	0.45
2,311.00	7.89	37.89	2,304.65	49.95	50.11	-47.79	0.54	0.39	-2.71
2,406.00	8.86	32.82	2,398.64	61.24	58.08	-58.74	1.28	1.02	-5.34
2,501.00	8.93	33.66	2,492.50	73.53	66.13	-70.67	0.16	0.07	0.88



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,596.00	8.60	33.43	2,586.39	85.59	74.13	-82.39	0.35	-0.35	-0.24
2,690.00	8.29	31.57	2,679.37	97.23	81.55	-93.71	0.44	-0.33	-1.98
2,785.00	8.37	32.63	2,773.36	108.89	88.86	-105.04	0.18	0.08	1.12
2,880.00	8.20	33.95	2,867.37	120.33	96.37	-116.16	0.27	-0.18	1.39
2,974.00	8.14	35.38	2,960.42	131.32	103.97	-126.82	0.23	-0.06	1.52
3,069.00	7.39	35.63	3,054.55	141.77	111.42	-136.94	0.79	-0.79	0.26
3,164.00	7.14	28.45	3,148.79	151.93	117.79	-146.82	0.99	-0.26	-7.56
3,258.00	8.51	26.21	3,241.91	163.30	123.65	-157.94	1.49	1.46	-2.38
3,353.00	10.55	29.30	3,335.59	177.20	131.01	-171.51	2.21	2.15	3.25
3,447.00	11.12	34.52	3,427.92	192.17	140.36	-186.08	1.21	0.61	5.55
3,542.00	10.58	40.23	3,521.22	206.38	151.18	-199.81	1.27	-0.57	6.01
3,637.00	9.95	41.23	3,614.70	219.21	162.23	-212.17	0.69	-0.66	1.05
3,731.00	9.11	41.78	3,707.40	230.87	172.54	-223.38	0.90	-0.89	0.59
3,826.00	8.09	41.97	3,801.34	241.44	182.02	-233.55	1.07	-1.07	0.20
3,921.00	7.02	42.73	3,895.51	250.68	190.43	-242.42	1.13	-1.13	0.80
4,015.00	6.54	40.65	3,988.85	258.96	197.81	-250.38	0.57	-0.51	-2.21
4,110.00	8.02	36.80	4,083.08	268.37	205.31	-259.47	1.64	1.56	-4.05
4,204.00	10.14	35.26	4,175.90	280.38	214.01	-271.10	2.27	2.26	-1.64
4,299.00	9.88	36.06	4,269.45	293.80	223.64	-284.10	0.31	-0.27	0.84
4,394.00	8.79	37.80	4,363.20	306.12	232.89	-296.02	1.19	-1.15	1.83
4,489.00	8.15	39.75	4,457.16	317.03	241.64	-306.56	0.74	-0.67	2.05
4,584.00	7.35	42.46	4,551.29	326.70	250.05	-315.85	0.93	-0.84	2.85
4,678.00	6.82	43.32	4,644.57	335.19	257.94	-324.01	0.57	-0.56	0.91
4,773.00	6.64	44.46	4,738.92	343.22	265.65	-331.70	0.24	-0.19	1.20
4,868.00	6.05	46.90	4,833.34	350.56	273.16	-338.72	0.68	-0.62	2.57
4,962.00	5.51	47.58	4,926.86	356.99	280.10	-344.85	0.58	-0.57	0.72
5,057.00	5.17	47.16	5,021.45	362.97	286.61	-350.55	0.36	-0.36	-0.44
5,151.00	4.69	47.45	5,115.10	368.45	292.55	-355.78	0.51	-0.51	0.31
5,171.00	4.42	46.22	5,135.03	369.54	293.71	-356.81	1.44	-1.35	-6.15
5,340.00	6.35	38.11	5,303.28	381.40	304.18	-368.22	1.22	1.14	-4.80
5,434.00	7.97	30.90	5,396.55	391.08	310.73	-377.62	1.97	1.72	-7.67
5,529.00	9.74	26.03	5,490.41	403.95	317.64	-390.19	2.02	1.86	-5.13
5,623.00	10.27	27.10	5,582.98	418.56	324.95	-404.47	0.60	0.56	1.14
5,718.00	9.60	23.63	5,676.56	433.35	331.98	-418.96	0.95	-0.71	-3.65
5,813.00	9.06	21.57	5,770.30	447.57	337.91	-432.91	0.67	-0.57	-2.17
5,908.00	9.12	26.32	5,864.11	461.27	343.99	-446.35	0.79	0.06	5.00
6,002.00	9.38	27.44	5,956.89	474.75	350.83	-459.52	0.34	0.28	1.19
6,096.00	8.97	26.44	6,049.69	488.11	357.62	-472.58	0.47	-0.44	-1.06
6,191.00	9.83	27.75	6,143.41	501.92	364.69	-486.08	0.93	0.91	1.38
6,286.00	11.09	26.79	6,236.83	517.25	372.59	-501.07	1.34	1.33	-1.01
6,381.00	11.11	25.15	6,330.05	533.69	380.60	-517.15	0.33	0.02	-1.73
6,475.00	11.60	20.93	6,422.21	550.72	387.82	-533.86	1.03	0.52	-4.49
6,570.00	11.12	19.23	6,515.35	568.29	394.25	-551.14	0.62	-0.51	-1.79



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,664.00	10.73	17.37	6,607.65	585.20	399.85	-567.80	0.56	-0.41	-1.98
6,759.00	8.91	15.36	6,701.25	600.73	404.44	-583.13	1.95	-1.92	-2.12
6,853.00	7.12	16.63	6,794.33	613.34	408.03	-595.57	1.91	-1.90	1.35
6,948.00	6.12	14.07	6,888.70	623.89	410.95	-605.99	1.10	-1.05	-2.69
7,042.00	3.00	15.79	6,982.39	631.12	412.84	-613.14	3.32	-3.32	1.83
7,137.00	1.07	44.50	7,077.33	634.14	414.14	-616.10	2.24	-2.03	30.22
7,232.00	1.17	70.25	7,172.31	635.11	415.67	-617.00	0.54	0.11	27.11
7,327.00	1.24	69.54	7,267.29	635.79	417.55	-617.61	0.08	0.07	-0.75
7,421.00	0.81	102.72	7,361.27	636.00	419.15	-617.75	0.76	-0.46	35.30
7,516.00	1.29	165.07	7,456.26	634.82	420.08	-616.53	1.22	0.51	65.63
7,611.00	1.22	156.27	7,551.24	632.86	420.76	-614.54	0.22	-0.07	-9.26
7,705.00	1.33	143.13	7,645.21	631.07	421.82	-612.71	0.33	0.12	-13.98
7,800.00	1.22	175.10	7,740.19	629.18	422.57	-610.79	0.75	-0.12	33.65
7,856.07	1.17	186.40	7,796.25	628.02	422.55	-609.63	0.43	-0.09	20.16
HL Crossing - 7856' MD - 50' FNL/ 2140' FEL									
7,894.00	1.16	194.42	7,834.17	627.26	422.41	-608.88	0.43	-0.02	21.13
7,989.00	0.85	167.19	7,929.16	625.65	422.33	-607.27	0.59	-0.33	-28.66
8,084.00	0.73	155.39	8,024.15	624.41	422.74	-606.01	0.21	-0.13	-12.42
8,178.00	0.62	153.37	8,118.14	623.41	423.22	-604.99	0.12	-0.12	-2.15
8,273.00	0.90	153.38	8,213.13	622.28	423.78	-603.84	0.29	0.29	0.01
8,367.00	1.01	147.73	8,307.12	620.92	424.55	-602.45	0.15	0.12	-6.01
8,462.00	1.28	158.16	8,402.10	619.23	425.40	-600.73	0.36	0.28	10.98
8,557.00	1.23	160.87	8,497.08	617.28	426.13	-598.75	0.08	-0.05	2.85
8,651.00	0.77	231.46	8,591.07	615.93	425.96	-597.41	1.29	-0.49	75.10
8,746.00	0.72	233.40	8,686.06	615.18	424.98	-596.70	0.06	-0.05	2.04
8,841.00	0.38	202.91	8,781.05	614.53	424.38	-596.08	0.46	-0.36	-32.09
8,936.00	0.66	195.88	8,876.05	613.72	424.11	-595.27	0.30	0.29	-7.40
9,030.00	0.92	216.40	8,970.04	612.59	423.51	-594.17	0.40	0.28	21.83
9,125.00	0.77	217.75	9,065.03	611.47	422.67	-593.09	0.16	-0.16	1.42
9,220.00	0.79	234.92	9,160.02	610.59	421.74	-592.25	0.25	0.02	18.07
9,315.00	0.98	217.13	9,255.01	609.57	420.72	-591.27	0.35	0.20	-18.73
9,409.00	1.29	207.76	9,348.99	607.99	419.74	-589.73	0.38	0.33	-9.97
9,504.00	1.36	207.74	9,443.97	606.04	418.72	-587.84	0.07	0.07	-0.02
9,598.00	1.46	206.24	9,537.94	603.98	417.67	-585.82	0.11	0.11	-1.60
9,693.00	1.20	233.58	9,632.91	602.31	416.33	-584.20	0.71	-0.27	28.78
9,788.00	1.56	234.66	9,727.89	600.97	414.48	-582.94	0.38	0.38	1.14
9,882.00	1.79	211.12	9,821.85	598.97	412.67	-581.02	0.77	0.24	-25.04
9,977.00	1.83	216.76	9,916.80	596.49	411.00	-578.61	0.19	0.04	5.94
10,071.00	0.77	264.06	10,010.78	595.22	409.47	-577.41	1.52	-1.13	50.32
10,166.00	0.20	208.51	10,105.77	595.01	408.76	-577.23	0.71	-0.60	-58.47
10,261.00	0.64	288.46	10,200.77	595.03	408.18	-577.27	0.67	0.46	84.16
10,355.00	0.67	238.10	10,294.77	594.90	407.21	-577.19	0.59	0.03	-53.57
10,450.00	1.33	353.62	10,389.76	595.71	406.62	-578.02	1.82	0.69	121.60
10,545.00	1.65	341.91	10,484.72	598.10	406.07	-580.43	0.46	0.34	-12.33



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,639.00	1.31	321.33	10,578.69	600.23	404.98	-582.60	0.67	-0.36	-21.89
10,734.00	1.16	289.67	10,673.67	601.40	403.39	-583.84	0.73	-0.16	-33.33
10,829.00	1.38	286.50	10,768.65	602.05	401.39	-584.57	0.24	0.23	-3.34
10,923.00	1.37	320.83	10,862.62	603.24	399.60	-585.84	0.86	-0.01	36.52
11,018.00	1.65	304.18	10,957.59	604.89	397.75	-587.57	0.54	0.29	-17.53
11,113.00	2.16	254.39	11,052.54	605.18	394.89	-587.97	1.76	0.54	-52.41
11,208.00	0.81	297.79	11,147.51	605.01	392.57	-587.90	1.75	-1.42	45.68
11,302.00	0.94	327.89	11,241.50	605.97	391.58	-588.91	0.50	0.14	32.02
11,397.00	0.72	331.16	11,336.49	607.15	390.87	-590.12	0.24	-0.23	3.44
11,491.00	0.52	345.55	11,430.49	608.08	390.48	-591.06	0.27	-0.21	15.31
11,586.00	0.45	342.51	11,525.48	608.86	390.26	-591.85	0.08	-0.07	-3.20
11,680.00	0.33	338.53	11,619.48	609.46	390.05	-592.46	0.13	-0.13	-4.23
11,775.00	0.11	258.52	11,714.48	609.70	389.86	-592.70	0.35	-0.23	-84.22
11,852.00	2.98	158.41	11,791.45	607.82	390.53	-590.80	3.90	3.73	-130.01
11,879.00	3.60	160.56	11,818.40	606.37	391.07	-589.33	2.34	2.30	7.96
11,926.00	6.22	163.67	11,865.22	602.53	392.28	-585.44	5.60	5.57	6.62
11,974.00	11.54	166.27	11,912.63	595.37	394.15	-578.21	11.11	11.08	5.42
12,021.00	15.19	166.15	11,958.35	584.82	396.74	-567.56	7.77	7.77	-0.26
12,068.00	19.11	170.25	12,003.25	571.25	399.52	-553.89	8.72	8.34	8.72
12,115.00	24.90	178.00	12,046.82	553.76	401.17	-536.34	13.76	12.32	16.49
12,163.00	30.08	182.65	12,089.39	531.63	400.96	-514.24	11.67	10.79	9.69
12,210.00	31.83	178.63	12,129.70	507.47	400.71	-490.11	5.76	3.72	-8.55
12,258.00	33.33	176.78	12,170.15	481.65	401.76	-464.27	3.75	3.12	-3.85
12,305.00	39.65	177.87	12,207.91	453.74	403.04	-436.33	13.52	13.45	2.32
12,353.00	46.67	179.79	12,242.91	420.94	403.68	-403.53	14.88	14.62	4.00
12,400.00	49.60	179.86	12,274.27	385.94	403.78	-368.56	6.24	6.23	0.15
12,447.00	53.79	179.55	12,303.40	349.07	403.97	-331.71	8.93	8.91	-0.66
12,494.00	58.70	179.34	12,329.50	310.01	404.36	-292.67	10.45	10.45	-0.45
12,542.00	63.43	176.37	12,352.73	268.05	405.95	-250.68	11.24	9.85	-6.19
12,589.00	69.39	175.03	12,371.53	225.12	409.19	-207.65	12.95	12.68	-2.85
12,637.00	73.90	177.09	12,386.64	179.68	412.31	-162.12	10.24	9.40	4.29
12,684.00	73.34	178.98	12,399.90	134.62	413.86	-117.03	4.04	-1.19	4.02
12,731.00	78.20	177.09	12,411.45	89.10	415.43	-71.49	11.05	10.34	-4.02
12,778.00	80.95	176.88	12,419.95	42.95	417.86	-25.28	5.87	5.85	-0.45
12,825.00	85.97	179.54	12,425.30	-3.71	419.31	21.40	12.07	10.68	5.66
12,872.00	85.26	178.33	12,428.90	-50.56	420.18	68.24	2.98	-1.51	-2.57
12,920.00	85.02	178.40	12,432.96	-98.37	421.55	116.07	0.52	-0.50	0.15
13,014.00	90.39	180.35	12,436.73	-192.25	422.57	209.91	6.08	5.71	2.07
13,109.00	90.46	180.19	12,436.02	-287.24	422.12	304.80	0.18	0.07	-0.17
13,203.00	89.97	180.66	12,435.67	-381.24	421.42	398.68	0.72	-0.52	0.50
13,298.00	90.22	179.44	12,435.51	-476.24	421.34	493.59	1.31	0.26	-1.28
13,393.00	90.17	178.51	12,435.19	-571.22	423.04	588.56	0.98	-0.05	-0.98
13,487.00	91.06	181.88	12,434.18	-665.20	422.72	682.45	3.71	0.95	3.59



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,582.00	91.27	181.40	12,432.25	-760.14	420.00	777.19	0.55	0.22	-0.51
13,676.00	91.90	180.75	12,429.65	-854.09	418.24	870.98	0.96	0.67	-0.69
13,771.00	88.75	180.07	12,429.11	-949.07	417.56	965.85	3.39	-3.32	-0.72
13,866.00	88.59	180.73	12,431.31	-1,044.04	416.90	1,060.71	0.71	-0.17	0.69
13,960.00	89.85	179.65	12,432.59	-1,138.03	416.58	1,154.60	1.77	1.34	-1.15
14,055.00	91.27	178.84	12,431.66	-1,233.01	417.84	1,249.55	1.72	1.49	-0.85
14,149.00	91.23	177.11	12,429.61	-1,326.93	421.16	1,343.52	1.84	-0.04	-1.84
14,244.00	91.48	180.62	12,427.37	-1,421.87	423.04	1,438.45	3.70	0.26	3.69
14,338.00	92.63	179.83	12,424.00	-1,515.81	422.67	1,532.29	1.48	1.22	-0.84
14,433.00	92.23	178.34	12,419.97	-1,610.71	424.18	1,627.17	1.62	-0.42	-1.57
14,528.00	90.42	176.32	12,417.77	-1,705.57	428.61	1,722.14	2.85	-1.91	-2.13
14,622.00	97.00	180.81	12,411.69	-1,799.27	430.97	1,815.85	8.47	7.00	4.78
14,717.00	91.29	179.29	12,404.82	-1,893.97	430.89	1,910.47	6.22	-6.01	-1.60
14,811.00	89.90	178.63	12,403.85	-1,987.95	432.60	2,004.44	1.64	-1.48	-0.70
14,906.00	89.15	180.83	12,404.64	-2,082.94	433.04	2,099.36	2.45	-0.79	2.32
15,000.00	91.43	180.58	12,404.16	-2,176.93	431.89	2,193.21	2.44	2.43	-0.27
15,095.00	89.43	180.25	12,403.45	-2,271.92	431.20	2,288.09	2.13	-2.11	-0.35
15,190.00	91.69	181.53	12,402.52	-2,366.89	429.72	2,382.92	2.73	2.38	1.35
15,284.00	88.84	176.03	12,402.08	-2,460.82	431.73	2,476.85	6.59	-3.03	-5.85
15,379.00	89.69	178.93	12,403.30	-2,555.71	435.90	2,571.83	3.18	0.89	3.05
15,473.00	95.49	182.25	12,399.05	-2,649.56	434.94	2,665.55	7.11	6.17	3.53
15,567.00	90.13	179.73	12,394.45	-2,743.39	433.32	2,759.23	6.30	-5.70	-2.68
15,662.00	88.70	175.20	12,395.42	-2,838.26	437.52	2,854.20	5.00	-1.51	-4.77
15,757.00	89.50	176.72	12,396.91	-2,933.01	444.22	2,949.15	1.81	0.84	1.60
15,851.00	88.95	181.75	12,398.18	-3,026.97	445.47	3,043.07	5.38	-0.59	5.35
15,946.00	91.16	183.93	12,398.09	-3,121.84	440.76	3,137.66	3.27	2.33	2.29
15,976.00	91.72	184.10	12,397.34	-3,151.75	438.67	3,167.46	1.95	1.87	0.57
16,071.00	92.97	183.07	12,393.45	-3,246.49	432.73	3,261.86	1.70	1.32	-1.08
16,165.00	93.50	182.32	12,388.15	-3,340.23	428.32	3,355.33	0.98	0.56	-0.80
16,260.00	94.16	182.55	12,381.80	-3,434.93	424.29	3,449.78	0.74	0.69	0.24
16,355.00	94.39	182.06	12,374.72	-3,529.59	420.48	3,544.19	0.57	0.24	-0.52
16,449.00	91.54	181.50	12,369.86	-3,623.41	417.56	3,637.80	3.09	-3.03	-0.60
16,544.00	91.50	181.52	12,367.34	-3,718.34	415.06	3,732.55	0.05	-0.04	0.02
16,639.00	88.38	179.94	12,367.44	-3,813.32	413.85	3,827.39	3.68	-3.28	-1.66
16,733.00	88.21	179.35	12,370.23	-3,907.28	414.43	3,921.29	0.65	-0.18	-0.63
16,828.00	91.02	178.03	12,370.87	-4,002.24	416.61	4,016.25	3.27	2.96	-1.39
16,923.00	91.64	177.69	12,368.67	-4,097.15	420.15	4,111.23	0.74	0.65	-0.36
17,017.00	90.17	178.85	12,367.18	-4,191.09	422.99	4,205.20	1.99	-1.56	1.23
17,112.00	90.20	181.13	12,366.87	-4,286.08	423.01	4,300.11	2.40	0.03	2.40
17,207.00	89.57	180.34	12,367.07	-4,381.07	421.79	4,394.97	1.06	-0.66	-0.83
17,302.00	87.21	180.94	12,369.73	-4,476.02	420.73	4,489.79	2.56	-2.48	0.63
17,396.00	87.35	180.59	12,374.20	-4,569.91	419.47	4,583.54	0.40	0.15	-0.37
17,491.00	84.24	179.87	12,381.16	-4,664.64	419.09	4,678.17	3.36	-3.27	-0.76
17,585.00	88.04	180.12	12,387.49	-4,758.41	419.10	4,771.85	4.05	4.04	0.27



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
17,680.00	88.32	179.79	12,390.50	-4,853.36	419.17	4,866.73	0.46	0.29	-0.35
17,775.00	90.43	179.34	12,391.54	-4,948.35	419.90	4,961.66	2.27	2.22	-0.47
17,870.00	93.11	179.50	12,388.61	-5,043.29	420.86	5,056.55	2.83	2.82	0.17
17,964.00	94.20	179.30	12,382.61	-5,137.09	421.84	5,150.31	1.18	1.16	-0.21
18,059.00	93.67	180.94	12,376.09	-5,231.86	421.64	5,244.99	1.81	-0.56	1.73
18,153.00	91.55	181.13	12,371.81	-5,325.74	419.94	5,338.72	2.26	-2.26	0.20
18,248.00	90.76	181.56	12,369.90	-5,420.70	417.71	5,433.50	0.95	-0.83	0.45
18,342.00	88.77	180.94	12,370.28	-5,514.67	415.66	5,527.30	2.22	-2.12	-0.66
18,437.00	88.36	179.88	12,372.66	-5,609.63	414.98	5,622.15	1.20	-0.43	-1.12
18,532.00	88.67	180.84	12,375.13	-5,704.60	414.39	5,717.00	1.06	0.33	1.01
18,626.00	88.82	180.65	12,377.18	-5,798.57	413.17	5,810.84	0.26	0.16	-0.20
18,721.00	88.61	180.56	12,379.32	-5,893.54	412.16	5,905.68	0.24	-0.22	-0.09
18,816.00	88.89	180.76	12,381.39	-5,988.51	411.07	6,000.52	0.36	0.29	0.21
18,911.00	89.09	180.41	12,383.06	-6,083.49	410.10	6,095.38	0.42	0.21	-0.37
19,006.00	89.10	180.46	12,384.56	-6,178.48	409.38	6,190.25	0.05	0.01	0.05
19,100.00	89.20	180.26	12,385.96	-6,272.46	408.79	6,284.13	0.24	0.11	-0.21
19,195.00	86.40	180.49	12,389.60	-6,367.38	408.17	6,378.93	2.96	-2.95	0.24
19,290.00	87.16	180.45	12,394.94	-6,462.23	407.39	6,473.66	0.80	0.80	-0.04
19,385.00	84.83	180.45	12,401.57	-6,556.99	406.64	6,568.31	2.45	-2.45	0.00
19,480.00	84.77	180.37	12,410.18	-6,651.59	405.97	6,662.80	0.10	-0.06	-0.08
19,574.00	85.40	180.57	12,418.24	-6,745.24	405.20	6,756.33	0.70	0.67	0.21
19,669.00	83.95	180.70	12,427.05	-6,839.83	404.15	6,850.79	1.53	-1.53	0.14
19,764.00	84.11	180.60	12,436.94	-6,934.30	403.08	6,945.14	0.20	0.17	-0.11
19,858.00	84.07	180.14	12,446.61	-7,027.80	402.47	7,038.53	0.49	-0.04	-0.49
19,953.00	84.22	179.85	12,456.31	-7,122.31	402.48	7,132.95	0.34	0.16	-0.31
20,048.00	84.15	179.98	12,465.93	-7,216.82	402.62	7,227.38	0.15	-0.07	0.14
20,142.00	86.72	179.25	12,473.41	-7,310.51	403.25	7,321.01	2.84	2.73	-0.78
20,236.00	87.45	179.01	12,478.19	-7,404.38	404.68	7,414.86	0.82	0.78	-0.26
20,331.00	85.84	179.97	12,483.75	-7,499.21	405.52	7,509.64	1.97	-1.69	1.01
20,426.00	84.94	180.98	12,491.39	-7,593.89	404.74	7,604.21	1.42	-0.95	1.06
20,521.00	82.87	180.68	12,501.47	-7,688.34	403.37	7,698.51	2.20	-2.18	-0.32
20,616.00	81.68	180.55	12,514.24	-7,782.47	402.36	7,792.52	1.26	-1.25	-0.14
20,710.00	83.26	180.10	12,526.56	-7,875.66	401.83	7,885.60	1.75	1.68	-0.48
20,805.00	85.44	180.86	12,535.91	-7,970.18	401.04	7,980.01	2.43	2.29	0.80
20,900.00	84.94	180.85	12,543.88	-8,064.84	399.63	8,074.52	0.53	-0.53	-0.01
20,994.00	86.46	178.83	12,550.93	-8,158.57	399.89	8,168.17	2.68	1.62	-2.15
21,090.00	87.90	177.82	12,555.65	-8,254.41	402.69	8,264.05	1.83	1.50	-1.05
21,184.00	89.69	177.15	12,557.63	-8,348.29	406.82	8,358.02	2.03	1.90	-0.71
21,279.00	91.34	177.30	12,556.77	-8,443.17	411.42	8,453.01	1.74	1.74	0.16
21,374.00	90.62	176.48	12,555.15	-8,538.02	416.57	8,547.99	1.15	-0.76	-0.86
21,468.00	94.05	179.06	12,551.32	-8,631.84	420.23	8,641.89	4.56	3.65	2.74
21,563.00	90.38	178.18	12,547.65	-8,726.73	422.51	8,736.79	3.97	-3.86	-0.93
21,658.00	89.29	176.20	12,547.92	-8,821.61	427.17	8,831.78	2.38	-1.15	-2.08



Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
21,752.00	91.78	177.95	12,547.04	-8,915.47	431.97	8,925.76	3.24	2.65	1.86	
21,847.00	93.36	181.17	12,542.78	-9,010.36	432.70	9,020.59	3.77	1.66	3.39	
21,942.00	92.03	180.48	12,538.32	-9,105.24	431.33	9,115.33	1.58	-1.40	-0.73	
22,036.00	89.37	182.97	12,537.17	-9,199.17	428.50	9,209.06	3.88	-2.83	2.65	
22,131.00	86.44	181.90	12,540.64	-9,294.01	424.47	9,303.65	3.28	-3.08	-1.13	
22,225.00	90.20	181.58	12,543.40	-9,387.91	421.61	9,397.34	4.01	4.00	-0.34	
22,320.00	88.74	181.06	12,544.27	-9,482.88	419.43	9,492.13	1.63	-1.54	-0.55	
22,415.00	89.05	180.55	12,546.11	-9,577.85	418.09	9,586.96	0.63	0.33	-0.54	
22,509.00	91.01	179.78	12,546.06	-9,671.85	417.82	9,680.86	2.24	2.09	-0.82	
22,526.00	89.89	179.93	12,545.92	-9,688.85	417.86	9,697.85	6.65	-6.59	0.88	
Last Survey - 22526.00' MD										
22,582.00	89.89	179.93	12,546.03	-9,744.85	417.93	9,753.80	0.00	0.00	0.00	
PTB - 22582.00' MD - 165' FSL/ 2255' FEL										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
7,856.07	7,796.25	628.02	422.55	HL Crossing - 7856' MD - 50' FNL/ 2140' FEL	
22,526.00	12,545.92	-9,688.85	417.86	Last Survey - 22526.00' MD	
22,582.00	12,546.03	-9,744.85	417.93	PTB - 22582.00' MD - 165' FSL/ 2255' FEL	

Checked By: _____ Approved By: _____ Date: _____



Franklin Mountain Energy

Lea County, NM (NAD83)

Carnival Mid Pad

Carnival State Com 804H

Wellbore #1

Design: Surveys

Survey Report - Geographic

22 February, 2022





Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Carnival Mid Pad			
Site Position:		Northing:	425,138.41 usft	Latitude:	32.164869
From:	Map	Easting:	849,302.13 usft	Longitude:	-103.338098
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.53 °

Well	Carnival State Com 804H					
Well Position	+N/-S	0.00 usft	Northing:	425,138.41 usft	Latitude:	32.164869
	+E/-W	0.00 usft	Easting:	849,302.13 usft	Longitude:	-103.338098
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,246.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	1/8/2022	6.37	59.72	47,534.30000000

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	177.58	

Survey Program	Date	2/22/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
84.00	1,273.00	Survey #1 (Wellbore #1)	OWSG (Rev2) MWD	OWSG MWD - Standard	
1,368.00	22,582.00	Survey #2 (Wellbore #1)	OWSG (Rev2) MWD+IFR	OWSG MWD + IFR1 + Multi-Station Correction	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	425,138.41	849,302.13	32.164869	-103.338098
84.00	0.70	75.84	84.00	0.13	0.50	425,138.54	849,302.63	32.164870	-103.338096
112.00	0.30	203.84	112.00	0.10	0.63	425,138.51	849,302.76	32.164869	-103.338096
140.00	0.90	217.84	140.00	-0.14	0.47	425,138.27	849,302.60	32.164869	-103.338096
173.00	1.10	209.84	172.99	-0.62	0.15	425,137.79	849,302.28	32.164867	-103.338097
202.00	1.00	209.84	201.99	-1.08	-0.11	425,137.33	849,302.02	32.164866	-103.338098
232.00	0.90	201.84	231.98	-1.53	-0.33	425,136.88	849,301.80	32.164865	-103.338099
262.00	1.00	211.84	261.98	-1.97	-0.56	425,136.44	849,301.57	32.164864	-103.338100
294.00	1.10	201.84	293.97	-2.49	-0.82	425,135.92	849,301.31	32.164862	-103.338101
325.00	1.30	199.84	324.97	-3.10	-1.05	425,135.31	849,301.08	32.164861	-103.338101
356.00	1.10	196.84	355.96	-3.71	-1.25	425,134.70	849,300.88	32.164859	-103.338102



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
388.00	1.30	195.84	387.95	-4.36	-1.44	425,134.05	849,300.69	32.164857	-103.338103
419.00	1.50	203.84	418.94	-5.07	-1.70	425,133.34	849,300.43	32.164855	-103.338104
451.00	1.60	199.84	450.93	-5.87	-2.02	425,132.54	849,300.11	32.164853	-103.338105
482.00	1.60	198.84	481.92	-6.69	-2.31	425,131.72	849,299.82	32.164851	-103.338106
514.00	1.40	201.84	513.91	-7.47	-2.60	425,130.94	849,299.53	32.164849	-103.338107
545.00	1.40	201.84	544.90	-8.17	-2.88	425,130.24	849,299.25	32.164847	-103.338107
576.00	1.80	191.84	575.89	-9.00	-3.12	425,129.41	849,299.01	32.164845	-103.338108
608.00	1.70	185.84	607.87	-9.97	-3.27	425,128.44	849,298.86	32.164842	-103.338109
639.00	1.70	198.84	638.86	-10.86	-3.47	425,127.55	849,298.66	32.164839	-103.338109
671.00	1.70	188.84	670.84	-11.78	-3.69	425,126.63	849,298.44	32.164837	-103.338110
702.00	1.80	199.84	701.83	-12.69	-3.93	425,125.72	849,298.20	32.164834	-103.338111
733.00	1.90	190.84	732.81	-13.65	-4.19	425,124.76	849,297.94	32.164832	-103.338112
765.00	1.60	189.84	764.80	-14.61	-4.37	425,123.80	849,297.76	32.164829	-103.338112
796.00	1.80	184.84	795.78	-15.52	-4.48	425,122.88	849,297.65	32.164827	-103.338113
827.00	1.90	191.84	826.77	-16.51	-4.63	425,121.90	849,297.50	32.164824	-103.338113
859.00	1.90	192.84	858.75	-17.55	-4.86	425,120.86	849,297.27	32.164821	-103.338114
922.00	1.60	192.84	921.72	-19.43	-5.28	425,118.98	849,296.85	32.164816	-103.338116
953.00	1.60	177.84	952.71	-20.28	-5.36	425,118.13	849,296.77	32.164814	-103.338116
985.00	1.50	183.84	984.70	-21.14	-5.37	425,117.27	849,296.75	32.164811	-103.338116
1,016.00	1.50	181.84	1,015.69	-21.95	-5.41	425,116.46	849,296.71	32.164809	-103.338116
1,047.00	1.60	161.84	1,046.68	-22.77	-5.29	425,115.64	849,296.84	32.164807	-103.338116
1,079.00	1.40	132.84	1,078.67	-23.46	-4.87	425,114.95	849,297.26	32.164805	-103.338114
1,110.00	1.70	172.84	1,109.66	-24.18	-4.53	425,114.23	849,297.60	32.164803	-103.338113
1,142.00	1.50	118.84	1,141.64	-24.85	-4.11	425,113.56	849,298.02	32.164801	-103.338112
1,173.00	1.40	169.84	1,172.64	-25.42	-3.68	425,112.99	849,298.45	32.164799	-103.338111
1,205.00	1.30	160.84	1,204.63	-26.14	-3.50	425,112.27	849,298.63	32.164797	-103.338110
1,236.00	1.20	161.84	1,235.62	-26.78	-3.28	425,111.62	849,298.85	32.164796	-103.338109
1,273.00	1.00	182.84	1,272.61	-27.48	-3.17	425,110.93	849,298.96	32.164794	-103.338109
1,368.00	0.99	179.25	1,367.60	-29.12	-3.20	425,109.29	849,298.92	32.164789	-103.338109
1,463.00	1.16	19.07	1,462.59	-29.04	-2.88	425,109.37	849,299.25	32.164789	-103.338108
1,558.00	3.43	11.49	1,557.51	-25.34	-2.00	425,113.07	849,300.13	32.164800	-103.338105
1,651.00	5.26	14.52	1,650.24	-18.49	-0.38	425,119.92	849,301.75	32.164818	-103.338100
1,745.00	6.71	32.34	1,743.73	-9.68	3.64	425,128.73	849,305.77	32.164843	-103.338086
1,839.00	7.72	37.46	1,836.99	-0.02	10.42	425,138.39	849,312.55	32.164869	-103.338064
1,933.00	8.06	36.98	1,930.10	10.25	18.22	425,148.66	849,320.35	32.164897	-103.338039
2,027.00	7.76	37.27	2,023.20	20.57	26.03	425,158.98	849,328.16	32.164925	-103.338013
2,122.00	7.72	40.01	2,117.34	30.56	34.02	425,168.97	849,336.15	32.164952	-103.337987
2,217.00	7.52	40.44	2,211.50	40.18	42.15	425,178.59	849,344.28	32.164979	-103.337960
2,311.00	7.89	37.89	2,304.65	49.95	50.11	425,188.36	849,352.23	32.165005	-103.337934
2,406.00	8.86	32.82	2,398.64	61.24	58.08	425,199.65	849,360.20	32.165036	-103.337908
2,501.00	8.93	33.66	2,492.50	73.53	66.13	425,211.94	849,368.26	32.165070	-103.337882
2,596.00	8.60	33.43	2,586.39	85.59	74.13	425,224.00	849,376.26	32.165103	-103.337856
2,690.00	8.29	31.57	2,679.37	97.23	81.55	425,235.64	849,383.68	32.165134	-103.337831
2,785.00	8.37	32.63	2,773.36	108.89	88.86	425,247.30	849,390.99	32.165166	-103.337807
2,880.00	8.20	33.95	2,867.37	120.33	96.37	425,258.74	849,398.50	32.165197	-103.337783
2,974.00	8.14	35.38	2,960.42	131.32	103.97	425,269.73	849,406.10	32.165227	-103.337758
3,069.00	7.39	35.63	3,054.55	141.77	111.42	425,280.18	849,413.55	32.165256	-103.337734
3,164.00	7.14	28.45	3,148.79	151.93	117.79	425,290.34	849,419.92	32.165284	-103.337713
3,258.00	8.51	26.21	3,241.91	163.30	123.65	425,301.71	849,425.78	32.165315	-103.337693
3,353.00	10.55	29.30	3,335.59	177.20	131.01	425,315.61	849,433.14	32.165353	-103.337669
3,447.00	11.12	34.52	3,427.92	192.17	140.36	425,330.58	849,442.49	32.165394	-103.337639
3,542.00	10.58	40.23	3,521.22	206.38	151.18	425,344.79	849,453.31	32.165433	-103.337603
3,637.00	9.95	41.23	3,614.70	219.21	162.23	425,357.62	849,464.36	32.165468	-103.337567
3,731.00	9.11	41.78	3,707.40	230.87	172.54	425,369.28	849,474.67	32.165499	-103.337533
3,826.00	8.09	41.97	3,801.34	241.44	182.02	425,379.85	849,484.15	32.165528	-103.337503



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,921.00	7.02	42.73	3,895.51	250.68	190.43	425,389.09	849,492.56	32.165553	-103.337475
4,015.00	6.54	40.65	3,988.85	258.96	197.81	425,397.37	849,499.94	32.165576	-103.337451
4,110.00	8.02	36.80	4,083.08	268.37	205.31	425,406.78	849,507.44	32.165602	-103.337426
4,204.00	10.14	35.26	4,175.90	280.38	214.01	425,418.79	849,516.14	32.165634	-103.337398
4,299.00	9.88	36.06	4,269.45	293.80	223.64	425,432.21	849,525.77	32.165671	-103.337366
4,394.00	8.79	37.80	4,363.20	306.12	232.89	425,444.53	849,535.01	32.165705	-103.337336
4,489.00	8.15	39.75	4,457.16	317.03	241.64	425,455.44	849,543.77	32.165734	-103.337308
4,584.00	7.35	42.46	4,551.29	326.70	250.05	425,465.10	849,552.18	32.165761	-103.337280
4,678.00	6.82	43.32	4,644.57	335.19	257.94	425,473.60	849,560.07	32.165784	-103.337254
4,773.00	6.64	44.46	4,738.92	343.22	265.65	425,481.63	849,567.78	32.165806	-103.337229
4,868.00	6.05	46.90	4,833.34	350.56	273.16	425,488.97	849,575.29	32.165826	-103.337205
4,962.00	5.51	47.58	4,926.86	356.99	280.10	425,495.39	849,582.23	32.165843	-103.337182
5,057.00	5.17	47.16	5,021.45	362.97	286.61	425,501.38	849,588.74	32.165860	-103.337161
5,151.00	4.69	47.45	5,115.10	368.45	292.55	425,506.86	849,594.68	32.165874	-103.337142
5,171.00	4.42	46.22	5,135.03	369.54	293.71	425,507.95	849,595.83	32.165877	-103.337138
5,340.00	6.35	38.11	5,303.28	381.40	304.18	425,519.81	849,606.31	32.165910	-103.337104
5,434.00	7.97	30.90	5,396.55	391.08	310.73	425,529.49	849,612.86	32.165936	-103.337082
5,529.00	9.74	26.03	5,490.41	403.95	317.64	425,542.36	849,619.77	32.165971	-103.337059
5,623.00	10.27	27.10	5,582.98	418.56	324.95	425,556.97	849,627.08	32.166011	-103.337035
5,718.00	9.60	23.63	5,676.56	433.35	331.98	425,571.76	849,634.11	32.166052	-103.337012
5,813.00	9.06	21.57	5,770.30	447.57	337.91	425,585.98	849,640.04	32.166091	-103.336993
5,908.00	9.12	26.32	5,864.11	461.27	343.99	425,599.68	849,646.12	32.166128	-103.336973
6,002.00	9.38	27.44	5,956.89	474.75	350.83	425,613.16	849,652.96	32.166165	-103.336950
6,096.00	8.97	26.44	6,049.69	488.11	357.62	425,626.52	849,659.75	32.166202	-103.336928
6,191.00	9.83	27.75	6,143.41	501.92	364.69	425,640.33	849,666.82	32.166239	-103.336904
6,286.00	11.09	26.79	6,236.83	517.25	372.59	425,655.66	849,674.72	32.166281	-103.336878
6,381.00	11.11	25.15	6,330.05	533.69	380.60	425,672.10	849,682.73	32.166326	-103.336852
6,475.00	11.60	20.93	6,422.21	550.72	387.82	425,689.13	849,689.95	32.166373	-103.336828
6,570.00	11.12	19.23	6,515.35	568.29	394.25	425,706.70	849,696.38	32.166421	-103.336807
6,664.00	10.73	17.37	6,607.65	585.20	399.85	425,723.61	849,701.98	32.166467	-103.336788
6,759.00	8.91	15.36	6,701.25	600.73	404.44	425,739.14	849,706.57	32.166510	-103.336773
6,853.00	7.12	16.63	6,794.33	613.34	408.03	425,751.75	849,710.16	32.166545	-103.336761
6,948.00	6.12	14.07	6,888.70	623.89	410.95	425,762.30	849,713.08	32.166574	-103.336751
7,042.00	3.00	15.79	6,982.39	631.12	412.84	425,769.53	849,714.97	32.166593	-103.336745
7,137.00	1.07	44.50	7,077.33	634.14	414.14	425,772.55	849,716.27	32.166602	-103.336741
7,232.00	1.17	70.25	7,172.31	635.11	415.67	425,773.51	849,717.80	32.166604	-103.336736
7,327.00	1.24	69.54	7,267.29	635.79	417.55	425,774.20	849,719.68	32.166606	-103.336730
7,421.00	0.81	102.72	7,361.27	636.00	419.15	425,774.41	849,721.28	32.166607	-103.336724
7,516.00	1.29	165.07	7,456.26	634.82	420.08	425,773.23	849,722.21	32.166603	-103.336722
7,611.00	1.22	156.27	7,551.24	632.86	420.76	425,771.27	849,722.89	32.166598	-103.336719
7,705.00	1.33	143.13	7,645.21	631.07	421.82	425,769.48	849,723.95	32.166593	-103.336716
7,800.00	1.22	175.10	7,740.19	629.18	422.57	425,767.59	849,724.70	32.166588	-103.336714
7,856.07	1.17	186.40	7,796.25	628.02	422.55	425,766.43	849,724.68	32.166585	-103.336714
HL Crossing - 7856' MD - 50' FNL/ 2140' FEL									
7,894.00	1.16	194.42	7,834.17	627.26	422.41	425,765.67	849,724.54	32.166582	-103.336714
7,989.00	0.85	167.19	7,929.16	625.65	422.33	425,764.06	849,724.46	32.166578	-103.336715
8,084.00	0.73	155.39	8,024.15	624.41	422.74	425,762.82	849,724.87	32.166575	-103.336713
8,178.00	0.62	153.37	8,118.14	623.41	423.22	425,761.82	849,725.35	32.166572	-103.336712
8,273.00	0.90	153.38	8,213.13	622.28	423.78	425,760.69	849,725.91	32.166569	-103.336710
8,367.00	1.01	147.73	8,307.12	620.92	424.55	425,759.33	849,726.68	32.166565	-103.336707
8,462.00	1.28	158.16	8,402.10	619.23	425.40	425,757.64	849,727.53	32.166560	-103.336705
8,557.00	1.23	160.87	8,497.08	617.28	426.13	425,755.69	849,728.25	32.166555	-103.336702
8,651.00	0.77	231.46	8,591.07	615.93	425.96	425,754.34	849,728.09	32.166551	-103.336703
8,746.00	0.72	233.40	8,686.06	615.18	424.98	425,753.59	849,727.11	32.166549	-103.336706
8,841.00	0.38	202.91	8,781.05	614.53	424.38	425,752.94	849,726.51	32.166547	-103.336708



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,936.00	0.66	195.88	8,876.05	613.72	424.11	425,752.13	849,726.24	32.166545	-103.336709
9,030.00	0.92	216.40	8,970.04	612.59	423.51	425,751.00	849,725.64	32.166542	-103.336711
9,125.00	0.77	217.75	9,065.03	611.47	422.67	425,749.88	849,724.80	32.166539	-103.336714
9,220.00	0.79	234.92	9,160.02	610.59	421.74	425,749.00	849,723.87	32.166537	-103.336717
9,315.00	0.98	217.13	9,255.01	609.57	420.72	425,747.98	849,722.85	32.166534	-103.336720
9,409.00	1.29	207.76	9,348.99	607.99	419.74	425,746.40	849,721.87	32.166530	-103.336723
9,504.00	1.36	207.74	9,443.97	606.04	418.72	425,744.45	849,720.85	32.166524	-103.336727
9,598.00	1.46	206.24	9,537.94	603.98	417.67	425,742.39	849,719.80	32.166519	-103.336730
9,693.00	1.20	233.58	9,632.91	602.31	416.33	425,740.72	849,718.46	32.166514	-103.336735
9,788.00	1.56	234.66	9,727.89	600.97	414.48	425,739.38	849,716.61	32.166510	-103.336741
9,882.00	1.79	211.12	9,821.85	598.97	412.67	425,737.38	849,714.80	32.166505	-103.336747
9,977.00	1.83	216.76	9,916.80	596.49	411.00	425,734.90	849,713.13	32.166498	-103.336752
10,071.00	0.77	264.06	10,010.78	595.22	409.47	425,733.63	849,711.60	32.166495	-103.336757
10,166.00	0.20	208.51	10,105.77	595.01	408.76	425,733.42	849,710.89	32.166494	-103.336759
10,261.00	0.64	288.46	10,200.77	595.03	408.18	425,733.44	849,710.31	32.166494	-103.336761
10,355.00	0.67	238.10	10,294.77	594.90	407.21	425,733.31	849,709.34	32.166494	-103.336764
10,450.00	1.33	353.62	10,389.76	595.71	406.62	425,734.12	849,708.75	32.166496	-103.336766
10,545.00	1.65	341.91	10,484.72	598.10	406.07	425,736.51	849,708.20	32.166503	-103.336768
10,639.00	1.31	321.33	10,578.69	600.23	404.98	425,738.64	849,707.11	32.166509	-103.336771
10,734.00	1.16	289.67	10,673.67	601.40	403.39	425,739.81	849,705.52	32.166512	-103.336776
10,829.00	1.38	286.50	10,768.65	602.05	401.39	425,740.46	849,703.52	32.166514	-103.336783
10,923.00	1.37	320.83	10,862.62	603.24	399.60	425,741.65	849,701.73	32.166517	-103.336789
11,018.00	1.65	304.18	10,957.59	604.89	397.75	425,743.30	849,699.88	32.166522	-103.336795
11,113.00	2.16	254.39	11,052.54	605.18	394.89	425,743.59	849,697.02	32.166522	-103.336804
11,208.00	0.81	297.79	11,147.51	605.01	392.57	425,743.42	849,694.70	32.166522	-103.336811
11,302.00	0.94	327.89	11,241.50	605.97	391.58	425,744.38	849,693.71	32.166525	-103.336814
11,397.00	0.72	331.16	11,336.49	607.15	390.87	425,745.56	849,693.00	32.166528	-103.336817
11,491.00	0.52	345.55	11,430.49	608.08	390.48	425,746.49	849,692.61	32.166531	-103.336818
11,586.00	0.45	342.51	11,525.48	608.86	390.26	425,747.27	849,692.39	32.166533	-103.336819
11,680.00	0.33	338.53	11,619.48	609.46	390.05	425,747.87	849,692.18	32.166534	-103.336819
11,775.00	0.11	258.52	11,714.48	609.70	389.86	425,748.11	849,691.99	32.166535	-103.336820
11,852.00	2.98	158.41	11,791.45	607.82	390.53	425,746.23	849,692.66	32.166530	-103.336818
11,879.00	3.60	160.56	11,818.40	606.37	391.07	425,744.78	849,693.20	32.166526	-103.336816
11,926.00	6.22	163.67	11,865.22	602.53	392.28	425,740.94	849,694.40	32.166515	-103.336812
11,974.00	11.54	166.27	11,912.63	595.37	394.15	425,733.78	849,696.28	32.166496	-103.336806
12,021.00	15.19	166.15	11,958.35	584.82	396.74	425,723.23	849,698.87	32.166466	-103.336798
12,068.00	19.11	170.25	12,003.25	571.25	399.52	425,709.66	849,701.65	32.166429	-103.336790
12,115.00	24.90	178.00	12,046.82	553.76	401.17	425,692.17	849,703.30	32.166381	-103.336785
12,163.00	30.08	182.65	12,089.39	531.63	400.96	425,670.04	849,703.09	32.166320	-103.336786
12,210.00	31.83	178.63	12,129.70	507.47	400.71	425,645.88	849,702.84	32.166254	-103.336788
12,258.00	33.33	176.78	12,170.15	481.65	401.76	425,620.06	849,703.89	32.166183	-103.336785
12,305.00	39.65	177.87	12,207.91	453.74	403.04	425,592.15	849,705.17	32.166106	-103.336782
12,353.00	46.67	179.79	12,242.91	420.94	403.68	425,559.35	849,705.80	32.166016	-103.336781
12,400.00	49.60	179.86	12,274.27	385.94	403.78	425,524.35	849,705.91	32.165920	-103.336782
12,447.00	53.79	179.55	12,303.40	349.07	403.97	425,487.48	849,706.10	32.165818	-103.336782
12,494.00	58.70	179.34	12,329.50	310.01	404.36	425,448.42	849,706.48	32.165711	-103.336782
12,542.00	63.43	176.37	12,352.73	268.05	405.95	425,406.46	849,708.08	32.165596	-103.336778
12,589.00	69.39	175.03	12,371.53	225.12	409.19	425,363.53	849,711.32	32.165478	-103.336769
12,637.00	73.90	177.09	12,386.64	179.68	412.31	425,318.09	849,714.44	32.165353	-103.336760
12,684.00	73.34	178.98	12,399.90	134.62	413.86	425,273.03	849,715.99	32.165229	-103.336757
12,731.00	78.20	177.09	12,411.45	89.10	415.43	425,227.51	849,717.56	32.165104	-103.336753
12,778.00	80.95	176.88	12,419.95	42.95	417.86	425,181.36	849,719.99	32.164977	-103.336746
12,825.00	85.97	179.54	12,425.30	-3.71	419.31	425,134.70	849,721.44	32.164848	-103.336743
12,872.00	85.26	178.33	12,428.90	-50.56	420.18	425,087.85	849,722.31	32.164720	-103.336742
12,920.00	85.02	178.40	12,432.96	-98.37	421.55	425,040.04	849,723.67	32.164588	-103.336739



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,014.00	90.39	180.35	12,436.73	-192.25	422.57	424,946.16	849,724.70	32.164330	-103.336738
13,109.00	90.46	180.19	12,436.02	-287.24	422.12	424,851.17	849,724.25	32.164069	-103.336743
13,203.00	89.97	180.66	12,435.67	-381.24	421.42	424,757.17	849,723.55	32.163811	-103.336748
13,298.00	90.22	179.44	12,435.51	-476.24	421.34	424,662.17	849,723.47	32.163550	-103.336751
13,393.00	90.17	178.51	12,435.19	-571.22	423.04	424,567.19	849,725.17	32.163288	-103.336748
13,487.00	91.06	181.88	12,434.18	-665.20	422.72	424,473.21	849,724.85	32.163030	-103.336752
13,582.00	91.27	181.40	12,432.25	-760.14	420.00	424,378.27	849,722.13	32.162769	-103.336764
13,676.00	91.90	180.75	12,429.65	-854.09	418.24	424,284.32	849,720.37	32.162511	-103.336772
13,771.00	88.75	180.07	12,429.11	-949.07	417.56	424,189.34	849,719.69	32.162250	-103.336777
13,866.00	88.59	180.73	12,431.31	-1,044.04	416.90	424,094.37	849,719.02	32.161989	-103.336782
13,960.00	89.85	179.65	12,432.59	-1,138.03	416.58	424,000.38	849,718.71	32.161731	-103.336786
14,055.00	91.27	178.84	12,431.66	-1,233.01	417.84	423,905.40	849,719.96	32.161470	-103.336785
14,149.00	91.23	177.11	12,429.61	-1,326.93	421.16	423,811.48	849,723.28	32.161211	-103.336777
14,244.00	91.48	180.62	12,427.37	-1,421.87	423.04	423,716.54	849,725.17	32.160950	-103.336773
14,338.00	92.63	179.83	12,424.00	-1,515.81	422.67	423,622.60	849,724.80	32.160692	-103.336777
14,433.00	92.23	178.34	12,419.97	-1,610.71	424.18	423,527.70	849,726.31	32.160431	-103.336775
14,528.00	90.42	176.32	12,417.77	-1,705.57	428.61	423,432.84	849,730.74	32.160171	-103.336764
14,622.00	97.00	180.81	12,411.69	-1,799.27	430.97	423,339.14	849,733.10	32.159913	-103.336759
14,717.00	91.29	179.29	12,404.82	-1,893.97	430.89	423,244.43	849,733.02	32.159653	-103.336762
14,811.00	89.90	178.63	12,403.85	-1,987.95	432.60	423,150.46	849,734.73	32.159394	-103.336760
14,906.00	89.15	180.83	12,404.64	-2,082.94	433.04	423,055.47	849,735.17	32.159133	-103.336761
15,000.00	91.43	180.58	12,404.16	-2,176.93	431.89	422,961.48	849,734.02	32.158875	-103.336767
15,095.00	89.43	180.25	12,403.45	-2,271.92	431.20	422,866.49	849,733.33	32.158614	-103.336773
15,190.00	91.69	181.53	12,402.52	-2,366.89	429.72	422,771.52	849,731.85	32.158353	-103.336780
15,284.00	88.84	176.03	12,402.08	-2,460.82	431.73	422,677.59	849,733.85	32.158095	-103.336777
15,379.00	89.69	178.93	12,403.30	-2,555.71	435.90	422,582.70	849,738.03	32.157834	-103.336766
15,473.00	95.49	182.25	12,399.05	-2,649.56	434.94	422,488.85	849,737.07	32.157576	-103.336772
15,567.00	90.13	179.73	12,394.45	-2,743.39	433.32	422,395.02	849,735.45	32.157318	-103.336780
15,662.00	88.70	175.20	12,395.42	-2,838.26	437.52	422,300.14	849,739.65	32.157057	-103.336769
15,757.00	89.50	176.72	12,396.91	-2,933.01	444.22	422,205.40	849,746.35	32.156796	-103.336750
15,851.00	88.95	181.75	12,398.18	-3,026.97	445.47	422,111.44	849,747.60	32.156538	-103.336749
15,946.00	91.16	183.93	12,398.09	-3,121.84	440.76	422,016.57	849,742.89	32.156278	-103.336767
15,976.00	91.72	184.10	12,397.34	-3,151.75	438.67	421,986.65	849,740.79	32.156195	-103.336775
16,071.00	92.97	183.07	12,393.45	-3,246.49	432.73	421,891.92	849,734.86	32.155935	-103.336797
16,165.00	93.50	182.32	12,388.15	-3,340.23	428.32	421,798.18	849,730.45	32.155678	-103.336814
16,260.00	94.16	182.55	12,381.80	-3,434.93	424.29	421,703.48	849,726.42	32.155417	-103.336830
16,355.00	94.39	182.06	12,374.72	-3,529.59	420.48	421,608.82	849,722.61	32.155157	-103.336845
16,449.00	91.54	181.50	12,369.86	-3,623.41	417.56	421,515.00	849,719.69	32.154900	-103.336857
16,544.00	91.50	181.52	12,367.34	-3,718.34	415.06	421,420.07	849,717.19	32.154639	-103.336868
16,639.00	88.38	179.94	12,367.44	-3,813.32	413.85	421,325.09	849,715.98	32.154378	-103.336875
16,733.00	88.21	179.35	12,370.23	-3,907.28	414.43	421,231.13	849,716.56	32.154119	-103.336876
16,828.00	91.02	178.03	12,370.87	-4,002.24	416.61	421,136.17	849,718.73	32.153858	-103.336871
16,923.00	91.64	177.69	12,368.67	-4,097.15	420.15	421,041.26	849,722.28	32.153597	-103.336863
17,017.00	90.17	178.85	12,367.18	-4,191.09	422.99	420,947.32	849,725.12	32.153339	-103.336856
17,112.00	90.20	181.13	12,366.87	-4,286.08	423.01	420,852.33	849,725.13	32.153078	-103.336859
17,207.00	89.57	180.34	12,367.07	-4,381.07	421.79	420,757.34	849,723.92	32.152817	-103.336866
17,302.00	87.21	180.94	12,369.73	-4,476.02	420.73	420,662.39	849,722.86	32.152556	-103.336872
17,396.00	87.35	180.59	12,374.20	-4,569.91	419.47	420,568.50	849,721.60	32.152298	-103.336879
17,491.00	84.24	179.87	12,381.16	-4,664.64	419.09	420,473.77	849,721.22	32.152038	-103.336883
17,585.00	88.04	180.12	12,387.49	-4,758.41	419.10	420,380.00	849,721.23	32.151780	-103.336886
17,680.00	88.32	179.79	12,390.50	-4,853.36	419.17	420,285.05	849,721.30	32.151519	-103.336889
17,775.00	90.43	179.34	12,391.54	-4,948.35	419.90	420,190.06	849,722.02	32.151258	-103.336889
17,870.00	93.11	179.50	12,388.61	-5,043.29	420.86	420,095.12	849,722.99	32.150997	-103.336889
17,964.00	94.20	179.30	12,382.61	-5,137.09	421.84	420,001.32	849,723.97	32.150739	-103.336888
18,059.00	93.67	180.94	12,376.09	-5,231.86	421.64	419,906.55	849,723.77	32.150479	-103.336892



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
18,153.00	91.55	181.13	12,371.81	-5,325.74	419.94	419,812.67	849,722.07	32.150221	-103.336900
18,248.00	90.76	181.56	12,369.90	-5,420.70	417.71	419,717.71	849,719.84	32.149960	-103.336910
18,342.00	88.77	180.94	12,370.28	-5,514.67	415.66	419,623.74	849,717.79	32.149701	-103.336920
18,437.00	88.36	179.88	12,372.66	-5,609.63	414.98	419,528.78	849,717.11	32.149440	-103.336925
18,532.00	88.67	180.84	12,375.13	-5,704.60	414.39	419,433.81	849,716.52	32.149179	-103.336930
18,626.00	88.82	180.65	12,377.18	-5,798.57	413.17	419,339.84	849,715.29	32.148921	-103.336936
18,721.00	88.61	180.56	12,379.32	-5,893.54	412.16	419,244.87	849,714.29	32.148660	-103.336942
18,816.00	88.89	180.76	12,381.39	-5,988.51	411.07	419,149.90	849,713.20	32.148399	-103.336949
18,911.00	89.09	180.41	12,383.06	-6,083.49	410.10	419,054.92	849,712.23	32.148138	-103.336955
19,006.00	89.10	180.46	12,384.56	-6,178.48	409.38	418,959.93	849,711.51	32.147877	-103.336960
19,100.00	89.20	180.26	12,385.96	-6,272.46	408.79	418,865.95	849,710.92	32.147619	-103.336965
19,195.00	86.40	180.49	12,389.60	-6,367.38	408.17	418,771.03	849,710.29	32.147358	-103.336969
19,290.00	87.16	180.45	12,394.94	-6,462.23	407.39	418,676.18	849,709.52	32.147097	-103.336975
19,385.00	84.83	180.45	12,401.57	-6,556.99	406.64	418,581.42	849,708.77	32.146837	-103.336980
19,480.00	84.77	180.37	12,410.18	-6,651.59	405.97	418,486.82	849,708.10	32.146577	-103.336985
19,574.00	85.40	180.57	12,418.24	-6,745.24	405.20	418,393.17	849,707.33	32.146319	-103.336990
19,669.00	83.95	180.70	12,427.05	-6,839.83	404.15	418,298.58	849,706.28	32.146060	-103.336997
19,764.00	84.11	180.60	12,436.94	-6,934.30	403.08	418,204.10	849,705.21	32.145800	-103.337003
19,858.00	84.07	180.14	12,446.61	-7,027.80	402.47	418,110.61	849,704.60	32.145543	-103.337008
19,953.00	84.22	179.85	12,456.31	-7,122.31	402.48	418,016.10	849,704.61	32.145283	-103.337010
20,048.00	84.15	179.98	12,465.93	-7,216.82	402.62	417,921.59	849,704.75	32.145023	-103.337013
20,142.00	86.72	179.25	12,473.41	-7,310.51	403.25	417,827.90	849,705.38	32.144766	-103.337014
20,236.00	87.45	179.01	12,478.19	-7,404.38	404.68	417,734.03	849,706.81	32.144508	-103.337012
20,331.00	85.84	179.97	12,483.75	-7,499.21	405.52	417,639.20	849,707.65	32.144247	-103.337012
20,426.00	84.94	180.98	12,491.39	-7,593.89	404.74	417,544.52	849,706.87	32.143987	-103.337017
20,521.00	82.87	180.68	12,501.47	-7,688.34	403.37	417,450.07	849,705.50	32.143727	-103.337024
20,616.00	81.68	180.55	12,514.24	-7,782.47	402.36	417,355.94	849,704.49	32.143469	-103.337031
20,710.00	83.26	180.10	12,526.56	-7,875.66	401.83	417,262.75	849,703.96	32.143213	-103.337035
20,805.00	85.44	180.86	12,535.91	-7,970.18	401.04	417,168.23	849,703.17	32.142953	-103.337040
20,900.00	84.94	180.85	12,543.88	-8,064.84	399.63	417,073.57	849,701.76	32.142693	-103.337048
20,994.00	86.46	178.83	12,550.93	-8,158.57	399.89	416,979.84	849,702.02	32.142435	-103.337050
21,090.00	87.90	177.82	12,555.65	-8,254.41	402.69	416,884.00	849,704.82	32.142172	-103.337044
21,184.00	89.69	177.15	12,557.63	-8,348.29	406.82	416,790.12	849,708.95	32.141913	-103.337033
21,279.00	91.34	177.30	12,556.77	-8,443.17	411.42	416,695.24	849,713.54	32.141652	-103.337021
21,374.00	90.62	176.48	12,555.15	-8,538.02	416.57	416,600.39	849,718.70	32.141392	-103.337007
21,468.00	94.05	179.06	12,551.32	-8,631.84	420.23	416,506.56	849,722.35	32.141134	-103.336998
21,563.00	90.38	178.18	12,547.65	-8,726.73	422.51	416,411.68	849,724.64	32.140873	-103.336994
21,658.00	89.29	176.20	12,547.92	-8,821.61	427.17	416,316.80	849,729.30	32.140612	-103.336981
21,752.00	91.78	177.95	12,547.04	-8,915.47	431.97	416,222.94	849,734.09	32.140354	-103.336969
21,847.00	93.36	181.17	12,542.78	-9,010.36	432.70	416,128.05	849,734.82	32.140093	-103.336969
21,942.00	92.03	180.48	12,538.32	-9,105.24	431.33	416,033.17	849,733.46	32.139832	-103.336976
22,036.00	89.37	182.97	12,537.17	-9,199.17	428.50	415,939.24	849,730.63	32.139574	-103.336988
22,131.00	86.44	181.90	12,540.64	-9,294.01	424.47	415,844.40	849,726.60	32.139314	-103.337004
22,225.00	90.20	181.58	12,543.40	-9,387.91	421.61	415,750.50	849,723.74	32.139056	-103.337016
22,320.00	88.74	181.06	12,544.27	-9,482.88	419.43	415,655.53	849,721.55	32.138795	-103.337026
22,415.00	89.05	180.55	12,546.11	-9,577.85	418.09	415,560.56	849,720.22	32.138534	-103.337033
22,509.00	91.01	179.78	12,546.06	-9,671.85	417.82	415,466.56	849,719.95	32.138275	-103.337037
22,526.00	89.89	179.93	12,545.92	-9,688.85	417.86	415,449.56	849,719.99	32.138229	-103.337037
Last Survey - 22526.00' MD									
22,582.00	89.89	179.93	12,546.03	-9,744.85	417.93	415,393.56	849,720.06	32.138075	-103.337039
PTB - 22582.00' MD - 165' FSL/ 2255' FEL									



Survey Report - Geographic



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Carnival State Com 804H
Project:	Lea County, NM (NAD83)	TVD Reference:	RKB +30' @ 3276.00usft
Site:	Carnival Mid Pad	MD Reference:	RKB +30' @ 3276.00usft
Well:	Carnival State Com 804H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.1 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,856.07	7,796.25	628.02	422.55	HL Crossing - 7856' MD - 50' FNL/ 2140' FEL
22,526.00	12,545.92	-9,688.85	417.86	Last Survey - 22526.00' MD
22,582.00	12,546.03	-9,744.85	417.93	PTB - 22582.00' MD - 165' FSL/ 2255' FEL

Checked By: _____ Approved By: _____ Date: _____

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																		
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 CARNIVAL STATE COM 6. Well Number: 804H												
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
8. Name of Operator Franklin Mountain Energy LLC						9. OGRID 373910												
10. Address of Operator 44 Cook Street, Suite 1000, Denver, CO 80206						11. Pool name or Wildcat [98187] WC-025 G-09 S253502D; UPR WOLFCAMP												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	2	2	25S	35E		674	N	2574	E	Lea								
BH:	O	11	25S	35E		164	S	2254	E	Lea								
13. Date Spudded 12/27/2021	14. Date T.D. Reached 2/2/2022		15. Date Rig Released 2/5/2022			16. Date Completed (Ready to Produce) 3/8/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3246										
18. Total Measured Depth of Well 22,582'			19. Plug Back Measured Depth 22,470'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Mug, GR,										
22. Producing Interval(s), of this completion - Top, Bottom, Name UPR WOLFCAMP; 12,622' - 22,334'																		
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
13.375		54.5		1,311'		17.5		1117sx										
9.625		40		5,214'		12.25		2612sx										
7.625		29.7		11,811'		8.75		449sx										
5.5		23		22,562'		6.75		912sx										
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET									
N/A						N/A												
26. Perforation record (interval, size, and number) 12,622' - 22,334' 1308 .42" holes 44 stage fracture stimulation operation. 19,184,080 Proppant 100 Lb Mesh Local 594,172 Total Clean Fluid Volume (bbls).						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>12,622' - 22,334'</td> <td>19,184,080 Proppant 100 Lb Mesh Local</td> </tr> <tr> <td></td> <td>594,172 Total Clean Fluid Volume (bbls).</td> </tr> <tr> <td></td> <td></td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	12,622' - 22,334'	19,184,080 Proppant 100 Lb Mesh Local		594,172 Total Clean Fluid Volume (bbls).		
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
12,622' - 22,334'	19,184,080 Proppant 100 Lb Mesh Local																	
	594,172 Total Clean Fluid Volume (bbls).																	
28. PRODUCTION																		
Date First Production 3/8/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Prod												
Date of Test 4/5/2022	Hours Tested 24	Choke Size 38/64	Prod'n For Test Period	Oil - Bbl 1758	Gas - MCF 1354	Water - Bbl. 4882	Gas - Oil Ratio 0.77											
Flow Tubing Press.	Casing Pressure 1429	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 43.96												
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold								30. Test Witnessed By										
31. List Attachments: Final Geo-Prog, As-Drilled C-102, Final Directional Survey																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							N/A											
33. Rig Release Date:																		
34. If an on-site burial was used at the well, report the exact location of the on-site burial: N/A																		
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																		
Signature 			Printed Name Travis Biggart			Title: Senior Ops Analyst			Date 11/3/2022									
E-mail Address tbiggart@fmellc.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. **PLEASE SEE ATTACHED**

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A "
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	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
			Please see attached reports

FRANKLIN MOUNTAIN ENERGY



Geologic Prognosis

Well Name	Carnival State Com 804H
Operator	Franklin Mountain Energy, LLC
Project Area	Carnival Unit
Well Type	10,000' Wolfcamp B Lateral
API	30025496590000
Rig	H&P 556

State	NM	County	Lea						
SHL	Township	25S/35E	Section	2	2,574'	FEL	674'	FNL	
BHL	Township	25S/35E	Section	11	2,260'	FEL	150'	FSL	
Surface Latitude	NAD 83		32.164869						
Surface Longitude	NAD 83		103.338098						
Bottom Hole Latitude	NAD 83		32.138035						
Bottom Hole Longitude	NAD 83		103.337058						
Ground Level	3,246'		Rig KB	30'	KB	3,276'			

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,246'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,381'	895'			Carbonates
Salado	1,696'	1,580'	1,648'		Salt, Carbonate & Clastics
Base Salt	-371'	3,648'	3,651'	3	Shaley Carbonate & Shale
Capitan	-1,348'	4,624'			Carbonates
Lamar	-1,767'	5,043'	5,005'	-38	Carbonate & Clastics
Bell Canyon	-1,990'	5,266'	5,226'	-40	Sandstone - oil/gas/water
Cherry Canyon	-2,805'	6,081'	6,050'	-31	Sandstone - oil/gas/water
Brushy Canyon	-4,167'	7,444'	7,430'	-14	Sand/carb/shales - oil/gas/water
Bone Spring Lime	-5,550'	8,826'	8,801'	-25	Shale/Carbonates - oil/gas
Avalon	-5,629'	8,905'	8,885'	-20	Shale/Carbonates - oil/gas
Chert Zone	-5,838'	9,114'	9,173'	59	Carbonate/Chert
First Bone Spring Sand	-6,739'	10,015'	9,988'	-27	Sandstone - oil/gas/water
Second Bone Spring Carbonates	-6,816'	10,092'	10,071'	-21	Shale/Carbonates - oil/gas
Second Bone Spring Sand	-7,238'	10,514'	10,480'	-34	Sandstone - oil/gas/water
Third Bone Spring Carbonates	-7,874'	11,150'	11,123'	-27	Shale/Carbonates - oil/gas
Third Bone Spring Sand	-8,487'	11,763'	11,763'	0	Sandstone - oil/gas/water
Wolfcamp	-8,709'	11,985'	11,971'	-14	Overpressure shale/sand- Oil/Gas
Wolfcamp A	-8,745'	12,021'	12,044'	23	Overpressure Shale - Oil/Gas
Wolfcamp B	-8,968'	12,244'	12,212'	-32	Overpressure Shale - Oil/Gas
HZ Target	-9,158'	12,434'			Overpressure Shale - Oil/Gas
Wolfcamp C	-9,223'	12,499'			Overpressure Shale - Oil/Gas

Target interval is expected to have an average apparent dip of 0.0 degrees down along the lateral based on the Wolfcamp A structure

Target window tolerance is set at +/- 10'

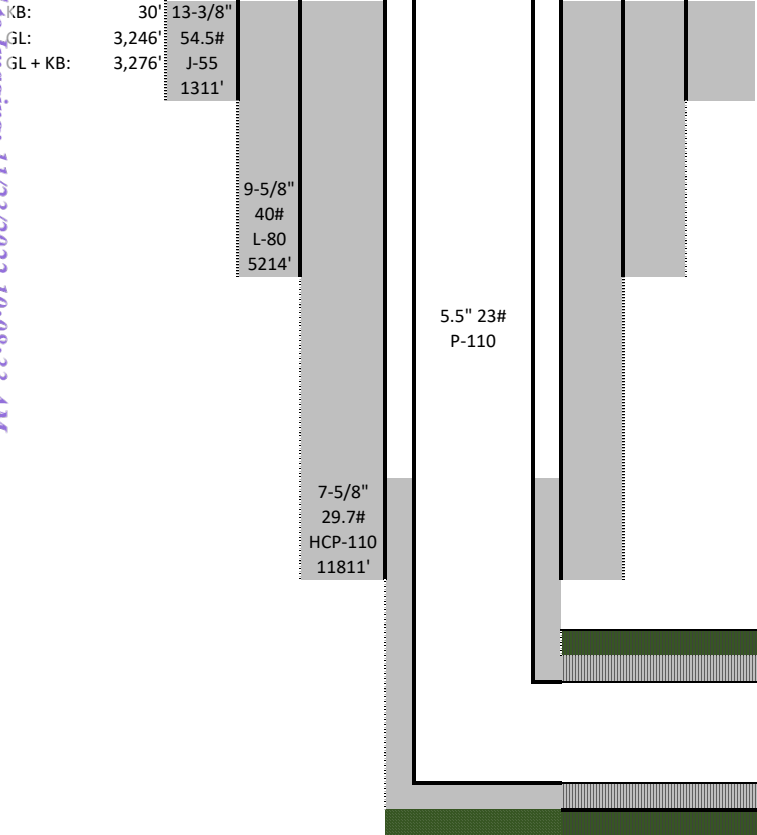
Target Line: 12434' KBTVD @ 0' VS w/ 90.0° inc.

Offset Log: Proxy 1H (30025439220100)

Updated 11/24/21

FME Geologist	Ellen Wilcox		ewilcox@fmc.com	
	Office		Cell	585.880.1737

FME Geologist	Ben Kessel		bkessel@fmellc.com	
	Office	720-414-7868	Cell	303.868.9946
FME Engineer				
Electric Logs	From		To	
Open-Hole				
	n/a			
MWD/LWD				
	MWD GR		Int. 1 Csg. Point	TD
Mud Log:				
Start logging at drill out of surface casing				
Sampling:	10' samples in vertical and through curve, 30' samples in lateral			
Samples:	1 set dry samples at footage frequency noted above			
Mud Gas:	Continuous			
Daily Contact:	Email distribution of mud log/daily report at 7:30am and 4:30 pm CST			
Daily Mud Log Email Distribution List				
Final Mud Log Distribution				
	Ben Kessel (bkessel@fmellc.com)		email	
Cuttings/Samples Shipment Information				



Well Name: Carnival State Com 804H
Pad Name: Carnival Mid
Latitude: 32.164869
Longitude: -103.338098
API 14: 30025496590000

TMD: 22582'
Plug Back TMD: 22470

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
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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 115430

ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 115430
	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 115430

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 115430
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	File 3160-4 within 10 days of BLM Approval	11/23/2022