

Well Name: BLUE RIBBON FED COM	Well Location: T25S / R35E / SEC 2 / LOT 3 / 32.164867 / -103.338372	County or Parish/State: LEA / NM
Well Number: 703H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM101608	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547663	Well Status: Producing Oil Well	Operator: FRANKLIN MOUNTAIN ENERGY LLC

Subsequent Report

Sundry ID: 2523549

Type of Submission: Subsequent Report

Date Sundry Submitted: 07/31/2021

Date Operation Actually Began: 02/19/2021

Type of Action: Drilling Operations

Time Sundry Submitted: 11:33

Actual Procedure: Franklin Mountain Energy, LLC (FME), Operator of the above captioned well, respectfully submits the below drilling operations notice: Drilled production 6.75" hole to 22,144' TD KB. Condition hole. RIH w/ 5.5" production casing as follows: m/u shoe track and landing collar, fill pipe, break circ to test, floats working. Make up ct sleeves and run in hole to 11,416.53', install flotation device. Start filling casing on the fly. Guide shoe 1.95', 1 jt P-110 42.92', float collar 2.40', 1 jt P-110 43.55', land collar 1.40', 1 jt P-110 43.41', #1 ct sleeve 25.15', 1 jt P-110 44.53', #2 ct sleeve 25.15', 63 jts P-110 2,773.53', D marker jt P-110 19.63' @ 19,096.38', 44 jts P-110 1,978.48', C marker P-110 19.63' @ 17,098.27', 107 jts P-110 4,922.39', B marker lj @ 19.62' @ 12,156.26', 16 jts P-110 739.73', 1 flotation sub 80' 11,414.73', 74 jts P-110 3,417.99', A marker P-110 19.62' @ 7,977.12', 189 jts MS2 7,977.12'. Total casing string landed @ 22,120'. 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, 144 bbls of MRF D035 mixed @ 12.5 ppg, followed by 211 bbls (916 sxs) of Class H tail cement mixed @15 ppg. Displace with 20 bbls of FW w/ retarder, 426 bbls of FW w/ biocide, and 25 bbls FW. Total displacement volume 466 bbls. Circ pressure before landing plug 6600 psi, bump plug with 600 psi over @ 7200 psi. Bled back 11 bbls. Floats held. Good cement. Rigged released H&P 556 @ 22:30hrs on 3/4/2021. Final survey attached.

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Lease Number: NMNM101608	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547663	Well Status: Producing Oil Well	Operator: FRANKLIN MOUNTAIN ENERGY LLC

SR Attachments

PActual Procedure

- Franklin_Mountain__Blue_Ribbon_Fed_Com_703H__Final_AC_RPT_20210731113317.pdf
- Franklin_Mountain__Blue_Ribbon_Fed_Com_703H__Final_Geographic_Surveys_20210731113311.pdf
- Franklin_Mountain__Blue_Ribbon_Fed_Com_703H__Final_Plots_20210731113306.pdf
- Franklin_Mountain__Blue_Ribbon_Fed_Com_703H__Final_Surveys_20210731113300.pdf

Operator Certification

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

Operator Electronic Signature: RACHAEL OVERBEY	Signed on: JUL 31, 2021 11:33 AM
Name: FRANKLIN MOUNTAIN ENERGY LLC	
Title: Director – Operations Planning and Regulatory	
Street Address: 2401 E 2nd Avenue, Suite 300	
City: Denver	State: CO
Phone: (720) 414-7868	
Email address: roverbey@fmellc.com	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 08/19/2021
Signature: Jonathon Shepard	



Franklin Mountain Energy

Lea County, NM (NAD83)

Blue Ribbon/Parade State

Blue Ribbon Fed Com 703H

OH

Design: OH

Standard Survey Report

09 March, 2021





Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Blue Ribbon Fed Com 703H
Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 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		Blue Ribbon/Parade State			
Site Position:		Northing:	425,136.81 usft	Latitude:	32.164867
From:	Map	Easting:	849,217.25 usft	Longitude:	-103.338372
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.53 °

Well		Blue Ribbon Fed Com 703H				
Well Position	+N/-S	0.00 usft	Northing:	425,136.81 usft	Latitude:	32.164867
	+E/-W	0.00 usft	Easting:	849,217.25 usft	Longitude:	-103.338372
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,245.20 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	1/16/2021	6.48	59.90	47,526.52564307

Design	OH				
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	179.50	

Survey Program	Date	3/9/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
64.00	1,289.00	Survey #1 - MWD (OH)	MWD	OWSG MWD - Standard	
1,327.00	22,089.00	Survey #2 - MWD (OH)	OWSG (Rev2) MWD	OWSG MWD - Standard	
22,144.00	22,144.00	Survey #3 - Proj to TD (OH)	BLIND	OWSG BLIND	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL (Blue Ribbon Fed Com 703H)										
64.00	0.50	320.52	64.00	0.22	-0.18	-0.22	0.78	0.78	0.00	
92.00	0.40	55.52	92.00	0.37	-0.17	-0.37	2.38	-0.36	339.29	
125.00	0.60	186.52	125.00	0.26	-0.10	-0.26	2.77	0.61	396.97	
236.00	0.50	183.52	235.99	-0.80	-0.20	0.80	0.09	-0.09	-2.70	
333.00	1.00	190.52	332.98	-2.06	-0.38	2.05	0.52	0.52	7.22	
427.00	1.50	171.52	426.96	-4.08	-0.34	4.08	0.68	0.53	-20.21	
522.00	1.80	185.52	521.92	-6.80	-0.30	6.79	0.53	0.32	14.74	



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Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
584.00	1.60	186.52	583.90	-8.62	-0.50	8.62	0.33	-0.32	1.61	
647.00	1.60	183.52	646.87	-10.38	-0.65	10.37	0.13	0.00	-4.76	
679.00	1.70	168.52	678.86	-11.29	-0.58	11.28	1.38	0.31	-46.88	
710.00	1.70	183.52	709.84	-12.20	-0.52	12.19	1.43	0.00	48.39	
742.00	1.80	175.52	741.83	-13.17	-0.51	13.17	0.82	0.31	-25.00	
773.00	2.20	182.52	772.81	-14.25	-0.50	14.25	1.51	1.29	22.58	
805.00	2.00	168.52	804.79	-15.41	-0.41	15.41	1.72	-0.63	-43.75	
836.00	1.50	180.52	835.77	-16.35	-0.31	16.34	1.99	-1.61	38.71	
867.00	1.40	168.52	866.77	-17.12	-0.24	17.12	1.03	-0.32	-38.71	
899.00	1.80	180.52	898.75	-18.01	-0.16	18.01	1.62	1.25	37.50	
930.00	2.00	173.52	929.74	-19.03	-0.11	19.03	0.99	0.65	-22.58	
962.00	1.70	158.52	961.72	-20.03	0.13	20.03	1.77	-0.94	-46.88	
993.00	1.70	176.52	992.71	-20.92	0.33	20.92	1.72	0.00	58.06	
1,025.00	2.00	165.52	1,024.69	-21.93	0.49	21.94	1.45	0.94	-34.38	
1,056.00	1.80	172.52	1,055.67	-22.94	0.69	22.94	0.99	-0.65	22.58	
1,088.00	1.70	180.52	1,087.66	-23.91	0.75	23.92	0.82	-0.31	25.00	
1,119.00	1.10	190.52	1,118.65	-24.66	0.69	24.67	2.08	-1.94	32.26	
1,151.00	0.70	164.52	1,150.64	-25.15	0.69	25.16	1.76	-1.25	-81.25	
1,182.00	0.70	175.52	1,181.64	-25.53	0.76	25.53	0.43	0.00	35.48	
1,214.00	0.50	157.52	1,213.64	-25.85	0.82	25.86	0.85	-0.63	-56.25	
1,245.00	0.40	189.52	1,244.64	-26.08	0.86	26.09	0.86	-0.32	103.23	
1,277.00	0.70	243.52	1,276.64	-26.28	0.67	26.28	1.77	0.94	168.75	
1,289.00	0.70	196.52	1,288.64	-26.38	0.58	26.39	4.65	0.00	-391.67	
1,327.00	0.70	99.60	1,326.64	-26.64	0.74	26.65	2.76	0.00	-255.05	
1,421.00	0.70	203.40	1,420.63	-27.27	1.08	27.27	1.17	0.00	110.43	
1,515.00	0.60	226.60	1,514.63	-28.13	0.49	28.13	0.30	-0.11	24.68	
1,609.00	0.60	212.10	1,608.62	-28.89	-0.12	28.88	0.16	0.00	-15.43	
1,703.00	0.50	213.10	1,702.62	-29.65	-0.61	29.64	0.11	-0.11	1.06	
1,797.00	0.40	195.90	1,796.61	-30.31	-0.92	30.30	0.18	-0.11	-18.30	
1,892.00	0.20	113.80	1,891.61	-30.69	-0.86	30.68	0.44	-0.21	-86.42	
1,987.00	0.30	101.50	1,986.61	-30.81	-0.47	30.80	0.12	0.11	-12.95	
2,081.00	0.30	63.40	2,080.61	-30.75	-0.01	30.75	0.21	0.00	-40.53	
2,175.00	0.40	74.50	2,174.61	-30.55	0.53	30.55	0.13	0.11	11.81	
2,270.00	0.50	52.70	2,269.60	-30.21	1.18	30.22	0.21	0.11	-22.95	
2,364.00	0.50	59.80	2,363.60	-29.75	1.86	29.77	0.07	0.00	7.55	
2,458.00	0.60	42.30	2,457.60	-29.18	2.55	29.21	0.21	0.11	-18.62	
2,552.00	0.60	48.20	2,551.59	-28.49	3.24	28.52	0.07	0.00	6.28	
2,647.00	1.60	344.70	2,646.58	-26.88	3.26	26.91	1.51	1.05	-66.84	
2,741.00	3.80	340.50	2,740.47	-22.68	1.88	22.69	2.35	2.34	-4.47	
2,835.00	5.10	341.20	2,834.18	-15.79	-0.51	15.78	1.38	1.38	0.74	
2,930.00	6.10	336.00	2,928.73	-7.18	-3.92	7.14	1.18	1.05	-5.47	
3,024.00	7.40	326.30	3,022.08	2.42	-9.31	-2.50	1.83	1.38	-10.32	
3,118.00	9.30	327.10	3,115.08	13.84	-16.80	-13.98	2.03	2.02	0.85	



Total Directional Services

Survey Report



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Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,213.00	9.90	334.60	3,208.75	27.66	-24.47	-27.87	1.46	0.63	7.89	
3,307.00	9.40	342.00	3,301.42	42.26	-30.31	-42.52	1.42	-0.53	7.87	
3,401.00	9.30	350.60	3,394.18	57.05	-33.92	-57.35	1.49	-0.11	9.15	
3,496.00	8.80	348.60	3,487.99	71.75	-36.61	-72.07	0.62	-0.53	-2.11	
3,590.00	9.30	336.10	3,580.83	85.74	-41.11	-86.10	2.15	0.53	-13.30	
3,685.00	9.70	334.30	3,674.53	99.97	-47.69	-100.39	0.52	0.42	-1.89	
3,779.00	9.70	329.00	3,767.19	113.90	-55.20	-114.38	0.95	0.00	-5.64	
3,873.00	9.40	327.10	3,859.89	127.13	-63.45	-127.68	0.46	-0.32	-2.02	
3,968.00	8.70	329.90	3,953.70	139.86	-71.27	-140.48	0.87	-0.74	2.95	
4,062.00	7.80	327.80	4,046.73	151.41	-78.23	-152.09	1.01	-0.96	-2.23	
4,157.00	9.10	318.90	4,140.70	162.53	-86.61	-163.28	1.94	1.37	-9.37	
4,251.00	10.30	313.60	4,233.36	173.92	-97.58	-174.77	1.59	1.28	-5.64	
4,345.00	9.50	314.80	4,325.96	185.19	-109.17	-186.13	0.88	-0.85	1.28	
4,440.00	9.00	315.30	4,419.72	195.99	-119.96	-197.03	0.53	-0.53	0.53	
4,534.00	9.60	316.90	4,512.48	206.94	-130.49	-208.07	0.69	0.64	1.70	
4,629.00	9.80	319.10	4,606.13	218.84	-141.20	-220.06	0.44	0.21	2.32	
4,723.00	9.00	316.60	4,698.86	230.23	-151.49	-231.54	0.96	-0.85	-2.66	
4,818.00	8.40	315.20	4,792.77	240.55	-161.48	-241.95	0.67	-0.63	-1.47	
4,912.00	9.80	315.20	4,885.59	251.10	-171.96	-252.59	1.49	1.49	0.00	
5,006.00	10.40	316.00	4,978.13	262.88	-183.49	-264.47	0.66	0.64	0.85	
5,101.00	9.90	315.90	5,071.64	274.91	-195.13	-276.60	0.53	-0.53	-0.11	
5,195.00	8.90	315.90	5,164.38	285.93	-205.81	-287.72	1.06	-1.06	0.00	
5,290.00	8.10	315.30	5,258.33	295.97	-215.63	-297.84	0.85	-0.84	-0.63	
5,381.00	8.00	315.10	5,348.44	305.01	-224.61	-306.96	0.11	-0.11	-0.22	
5,483.00	7.90	312.90	5,449.46	314.81	-234.76	-316.85	0.31	-0.10	-2.16	
5,577.00	8.80	318.80	5,542.46	324.62	-244.23	-326.74	1.32	0.96	6.28	
5,671.00	9.10	318.40	5,635.32	335.59	-253.90	-337.79	0.33	0.32	-0.43	
5,765.00	9.10	317.10	5,728.13	346.59	-263.89	-348.88	0.22	0.00	-1.38	
5,860.00	9.40	322.10	5,821.90	358.22	-273.77	-360.59	0.90	0.32	5.26	
5,954.00	8.90	320.80	5,914.70	369.91	-283.08	-372.37	0.58	-0.53	-1.38	
6,049.00	9.90	332.20	6,008.43	382.83	-291.54	-385.36	2.22	1.05	12.00	
6,143.00	10.10	331.80	6,101.01	397.24	-299.20	-399.84	0.23	0.21	-0.43	
6,237.00	10.50	330.40	6,193.49	411.95	-307.33	-414.62	0.50	0.43	-1.49	
6,332.00	10.70	329.60	6,286.87	427.09	-316.06	-429.83	0.26	0.21	-0.84	
6,426.00	11.00	328.30	6,379.19	442.24	-325.19	-445.06	0.41	0.32	-1.38	
6,520.00	11.00	327.40	6,471.46	457.43	-334.74	-460.33	0.18	0.00	-0.96	
6,615.00	11.10	327.20	6,564.70	472.75	-344.57	-475.74	0.11	0.11	-0.21	
6,709.00	9.90	330.10	6,657.13	487.36	-353.50	-490.43	1.39	-1.28	3.09	
6,803.00	9.90	330.70	6,749.73	501.41	-361.49	-504.55	0.11	0.00	0.64	
6,897.00	8.40	334.90	6,842.53	514.68	-368.35	-517.87	1.75	-1.60	4.47	
6,992.00	7.40	331.80	6,936.63	526.35	-374.19	-529.60	1.14	-1.05	-3.26	
7,086.00	6.20	329.80	7,029.96	536.08	-379.60	-539.37	1.30	-1.28	-2.13	
7,180.00	3.90	332.00	7,123.59	543.29	-383.66	-546.61	2.46	-2.45	2.34	
7,275.00	3.30	335.80	7,218.41	548.63	-386.30	-551.98	0.68	-0.63	4.00	



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7,369.00	1.60	338.10	7,312.32	552.32	-387.89	-555.68	1.81	-1.81	2.45
7,464.00	0.40	321.10	7,407.30	553.81	-388.60	-557.18	1.29	-1.26	-17.89
7,558.00	0.30	258.80	7,501.30	554.02	-389.04	-557.39	0.40	-0.11	-66.28
7,652.00	0.40	256.60	7,595.30	553.89	-389.61	-557.27	0.11	0.11	-2.34
7,747.00	0.70	61.90	7,690.29	554.09	-389.42	-557.47	1.15	0.32	174.00
7,841.00	0.70	77.50	7,784.29	554.48	-388.35	-557.85	0.20	0.00	16.60
7,936.00	0.70	86.90	7,879.28	554.64	-387.20	-558.00	0.12	0.00	9.89
8,030.00	0.70	100.80	7,973.27	554.56	-386.07	-557.91	0.18	0.00	14.79
8,125.00	0.80	108.20	8,068.27	554.25	-384.87	-557.59	0.15	0.11	7.79
8,220.00	0.80	113.10	8,163.26	553.78	-383.63	-557.11	0.07	0.00	5.16
8,314.00	1.00	124.90	8,257.25	553.05	-382.35	-556.37	0.29	0.21	12.55
8,409.00	1.00	125.00	8,352.23	552.10	-380.99	-555.41	0.00	0.00	0.11
8,503.00	1.10	132.60	8,446.21	551.02	-379.65	-554.32	0.18	0.11	8.09
8,597.00	1.20	140.10	8,540.20	549.66	-378.36	-552.94	0.19	0.11	7.98
8,692.00	0.90	153.80	8,635.18	548.22	-377.39	-551.50	0.41	-0.32	14.42
8,786.00	0.90	156.50	8,729.17	546.89	-376.77	-550.15	0.05	0.00	2.87
8,880.00	0.70	164.00	8,823.16	545.66	-376.32	-548.92	0.24	-0.21	7.98
8,974.00	0.70	181.00	8,917.15	544.53	-376.17	-547.79	0.22	0.00	18.09
9,069.00	0.70	190.40	9,012.15	543.38	-376.28	-546.64	0.12	0.00	9.89
9,163.00	0.80	199.10	9,106.14	542.19	-376.60	-545.46	0.16	0.11	9.26
9,257.00	0.90	200.90	9,200.13	540.88	-377.08	-544.15	0.11	0.11	1.91
9,352.00	0.80	192.40	9,295.12	539.54	-377.49	-542.81	0.17	-0.11	-8.95
9,446.00	0.10	240.50	9,389.11	538.86	-377.70	-542.13	0.78	-0.74	51.17
9,540.00	0.50	306.10	9,483.11	539.06	-378.10	-542.34	0.50	0.43	69.79
9,635.00	0.60	337.40	9,578.11	539.76	-378.63	-543.05	0.33	0.11	32.95
9,729.00	0.60	341.10	9,672.10	540.68	-378.98	-543.97	0.04	0.00	3.94
9,824.00	0.60	327.40	9,767.10	541.57	-379.41	-544.86	0.15	0.00	-14.42
9,918.00	1.30	300.30	9,861.08	542.53	-380.59	-545.83	0.87	0.74	-28.83
10,012.00	0.75	242.73	9,955.07	542.78	-382.06	-546.09	1.17	-0.59	-61.24
10,106.00	0.97	203.53	10,049.06	541.77	-382.93	-545.09	0.65	0.23	-41.70
10,201.00	0.48	180.41	10,144.05	540.63	-383.25	-543.96	0.59	-0.52	-24.34
10,295.00	0.48	129.26	10,238.05	539.99	-382.95	-543.31	0.44	0.00	-54.41
10,389.00	0.97	119.86	10,332.04	539.35	-381.95	-542.66	0.53	0.52	-10.00
10,484.00	1.32	123.81	10,427.02	538.34	-380.35	-541.64	0.38	0.37	4.16
10,578.00	0.66	108.69	10,521.01	537.56	-378.93	-540.85	0.75	-0.70	-16.09
10,673.00	0.97	122.76	10,616.00	536.95	-377.74	-540.23	0.39	0.33	14.81
10,767.00	1.23	104.74	10,709.98	536.26	-376.09	-539.53	0.46	0.28	-19.17
10,861.00	0.62	76.09	10,803.97	536.13	-374.63	-539.38	0.80	-0.65	-30.48
10,955.00	0.92	295.29	10,897.97	536.57	-374.81	-539.82	1.55	0.32	-149.79
11,049.00	1.54	299.77	10,991.94	537.52	-376.59	-540.79	0.67	0.66	4.77
11,143.00	1.93	60.71	11,085.92	538.93	-376.31	-542.19	3.22	0.41	128.66
11,238.00	1.85	109.66	11,180.88	539.19	-373.47	-542.43	1.65	-0.08	51.53
11,332.00	2.55	158.88	11,274.81	536.73	-371.29	-539.95	2.06	0.74	52.36



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Blue Ribbon Fed Com 703H
Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,426.00	2.86	164.59	11,368.71	532.52	-369.91	-535.73	0.44	0.33	6.07
11,477.00	3.12	164.94	11,419.64	529.95	-369.21	-533.15	0.51	0.51	0.69
11,522.00	5.27	177.95	11,464.52	526.70	-368.82	-529.90	5.20	4.78	28.91
11,569.00	8.79	175.05	11,511.16	520.97	-368.43	-524.16	7.52	7.49	-6.17
11,616.00	12.44	175.93	11,557.35	512.34	-367.76	-515.53	7.77	7.77	1.87
11,663.00	16.31	176.37	11,602.87	500.70	-366.99	-503.88	8.24	8.23	0.94
11,711.00	19.25	178.66	11,648.57	486.06	-366.37	-489.24	6.29	6.13	4.77
11,758.00	23.08	179.09	11,692.39	469.09	-366.05	-472.27	8.16	8.15	0.91
11,805.00	27.52	178.83	11,734.87	449.02	-365.68	-452.19	9.45	9.45	-0.55
11,852.00	32.92	181.73	11,775.47	425.38	-365.84	-428.55	11.90	11.49	6.17
11,900.00	38.07	182.35	11,814.54	397.53	-366.84	-400.72	10.76	10.73	1.29
11,947.00	43.52	179.36	11,850.11	366.85	-367.26	-370.04	12.32	11.60	-6.36
11,994.00	48.35	177.25	11,882.79	333.10	-366.23	-336.29	10.77	10.28	-4.49
12,041.00	53.98	177.34	11,912.25	296.55	-364.51	-299.72	11.98	11.98	0.19
12,085.00	58.11	178.04	11,936.82	260.09	-363.04	-263.25	9.48	9.39	1.59
12,132.00	62.33	178.39	11,960.16	219.33	-361.77	-222.47	9.00	8.98	0.74
12,179.00	70.33	180.06	11,979.01	176.32	-361.21	-179.47	17.33	17.02	3.55
12,226.00	79.60	178.83	11,991.19	130.98	-360.76	-134.13	19.88	19.72	-2.62
12,271.00	81.98	178.48	11,998.40	86.58	-359.72	-89.71	5.34	5.29	-0.78
12,318.00	82.77	178.13	12,004.63	40.01	-358.34	-43.14	1.84	1.68	-0.74
12,363.00	85.89	178.48	12,009.08	-4.74	-357.02	1.62	6.98	6.93	0.78
12,380.87	86.35	178.89	12,010.28	-22.56	-356.61	19.45	3.45	2.60	2.27
LP (Blue Ribbon Fed Com 703H)									
12,456.00	88.31	180.59	12,013.78	-97.61	-356.26	94.49	3.45	2.60	2.27
12,548.00	87.65	182.52	12,017.03	-189.51	-358.76	186.37	2.22	-0.72	2.10
12,639.00	88.04	182.35	12,020.45	-280.36	-362.62	277.19	0.47	0.43	-0.19
12,732.00	88.31	182.26	12,023.41	-373.24	-366.36	370.03	0.31	0.29	-0.10
12,826.00	88.22	180.15	12,026.26	-467.17	-368.34	463.94	2.25	-0.10	-2.24
12,919.00	89.01	180.76	12,028.50	-560.14	-369.07	556.90	1.07	0.85	0.66
13,012.00	89.80	181.56	12,029.47	-653.12	-370.96	649.85	1.21	0.85	0.86
13,104.00	89.45	178.04	12,030.07	-745.10	-370.64	741.84	3.84	-0.38	-3.83
13,197.00	91.16	177.78	12,029.58	-838.03	-367.25	834.79	1.86	1.84	-0.28
13,290.00	92.31	178.22	12,026.76	-930.93	-364.00	927.72	1.32	1.24	0.47
13,383.00	93.32	178.57	12,022.19	-1,023.78	-361.40	1,020.59	1.15	1.09	0.38
13,476.00	92.40	180.68	12,017.55	-1,116.66	-360.79	1,113.47	2.47	-0.99	2.27
13,570.00	86.99	179.27	12,018.05	-1,210.62	-360.75	1,207.42	5.95	-5.76	-1.50
13,650.03	86.88	179.19	12,022.33	-1,290.53	-359.68	1,287.34	0.17	-0.14	-0.10
TGT 1 (1287' VS)									
13,664.00	86.86	179.18	12,023.10	-1,304.47	-359.48	1,301.29	0.17	-0.14	-0.10
13,756.00	87.25	178.74	12,027.82	-1,396.34	-357.81	1,393.16	0.64	0.42	-0.48
13,850.00	87.30	175.23	12,032.29	-1,490.09	-352.88	1,486.95	3.73	0.05	-3.73
13,943.00	87.82	173.65	12,036.25	-1,582.56	-343.87	1,579.50	1.79	0.56	-1.70
14,035.00	91.56	174.17	12,036.75	-1,674.02	-334.12	1,671.04	4.10	4.07	0.57
14,128.00	94.86	178.48	12,031.54	-1,766.65	-328.16	1,763.72	5.83	3.55	4.63



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Blue Ribbon Fed Com 703H
Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,221.00	90.73	179.89	12,027.01	-1,859.51	-326.84	1,856.59	4.69	-4.44	1.52
14,315.00	93.41	180.24	12,023.61	-1,953.44	-326.95	1,950.51	2.88	2.85	0.37
14,408.00	90.73	180.24	12,020.25	-2,046.37	-327.34	2,043.43	2.88	-2.88	0.00
14,502.00	91.69	177.60	12,018.27	-2,140.32	-325.57	2,137.40	2.99	1.02	-2.81
14,596.00	91.74	176.63	12,015.45	-2,234.16	-320.84	2,231.27	1.03	0.05	-1.03
14,690.00	91.38	181.91	12,012.89	-2,328.08	-319.64	2,325.21	5.63	-0.38	5.62
14,783.00	92.31	182.87	12,009.90	-2,420.95	-323.52	2,418.04	1.44	1.00	1.03
14,845.97	91.21	182.46	12,007.97	-2,483.82	-326.44	2,480.88	1.87	-1.75	-0.66
TGT 2 (2480' VS)									
14,876.00	90.68	182.26	12,007.47	-2,513.82	-327.68	2,510.87	1.87	-1.75	-0.66
14,970.00	89.63	182.52	12,007.22	-2,607.74	-331.60	2,604.75	1.15	-1.12	0.28
15,045.00	92.92	181.20	12,005.55	-2,682.67	-334.03	2,679.65	4.73	4.39	-1.76
15,091.00	94.55	181.91	12,002.55	-2,728.55	-335.28	2,725.52	3.86	3.54	1.54
15,184.00	91.96	179.36	11,997.27	-2,821.38	-336.30	2,818.34	3.90	-2.78	-2.74
15,277.00	89.27	179.36	11,996.27	-2,914.36	-335.26	2,911.33	2.89	-2.89	0.00
15,370.00	87.74	179.18	11,998.70	-3,007.32	-334.08	3,004.29	1.66	-1.65	-0.19
15,463.00	87.16	179.89	12,002.84	-3,100.23	-333.33	3,097.20	0.99	-0.62	0.76
15,557.00	90.64	183.31	12,004.64	-3,194.14	-335.95	3,191.09	5.19	3.70	3.64
15,650.00	91.96	182.61	12,002.53	-3,286.99	-340.75	3,283.89	1.61	1.42	-0.75
15,743.00	91.65	181.99	11,999.60	-3,379.87	-344.48	3,376.74	0.75	-0.33	-0.67
15,836.00	88.00	179.97	11,999.89	-3,472.84	-346.07	3,469.68	4.49	-3.92	-2.17
15,929.00	86.73	177.69	12,004.16	-3,565.71	-344.18	3,562.57	2.80	-1.37	-2.45
16,022.00	92.31	180.06	12,004.94	-3,658.65	-342.35	3,655.52	6.52	6.00	2.55
16,115.00	95.38	180.15	11,998.71	-3,751.43	-342.52	3,748.29	3.30	3.30	0.10
16,208.00	93.89	180.94	11,991.19	-3,844.11	-343.40	3,840.97	1.81	-1.60	0.85
16,302.00	94.33	180.32	11,984.45	-3,937.87	-344.44	3,934.71	0.81	0.47	-0.66
16,395.00	91.96	180.24	11,979.35	-4,030.72	-344.89	4,027.55	2.55	-2.55	-0.09
16,488.00	89.98	179.18	11,977.78	-4,123.70	-344.42	4,120.53	2.41	-2.13	-1.14
16,582.00	90.42	177.86	11,977.45	-4,217.66	-341.99	4,214.52	1.48	0.47	-1.40
16,633.35	90.69	176.31	11,976.95	-4,268.94	-339.38	4,265.81	3.07	0.52	-3.02
TGT 3 (4265' VS)									
16,675.00	90.90	175.05	11,976.38	-4,310.47	-336.24	4,307.37	3.07	0.52	-3.02
16,768.00	89.01	174.88	11,976.45	-4,403.11	-328.08	4,400.08	2.04	-2.03	-0.18
16,862.00	86.77	176.72	11,979.91	-4,496.78	-321.20	4,493.81	3.08	-2.38	1.96
16,955.00	87.87	177.51	11,984.26	-4,589.56	-316.52	4,586.62	1.46	1.18	0.85
16,999.80	88.10	179.21	11,985.84	-4,634.31	-315.24	4,631.38	3.82	0.51	3.79
S2/11 Crossing									
17,048.00	88.35	181.03	11,987.33	-4,682.49	-315.34	4,679.56	3.82	0.52	3.78
17,141.00	88.44	180.32	11,989.93	-4,775.44	-316.44	4,772.50	0.77	0.10	-0.76
17,235.00	88.09	180.06	11,992.78	-4,869.40	-316.75	4,866.45	0.46	-0.37	-0.28
17,328.00	88.84	178.92	11,995.27	-4,962.36	-315.92	4,959.41	1.47	0.81	-1.23
17,421.00	86.59	179.18	11,998.98	-5,055.27	-314.38	5,052.33	2.44	-2.42	0.28
17,514.00	86.95	181.03	12,004.22	-5,148.11	-314.55	5,145.17	2.02	0.39	1.99



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Blue Ribbon Fed Com 703H
Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,607.00	86.99	180.15	12,009.14	-5,240.98	-315.51	5,238.03	0.95	0.04	-0.95
17,701.00	87.25	179.09	12,013.86	-5,334.86	-314.88	5,331.90	1.16	0.28	-1.13
17,794.00	86.95	177.34	12,018.56	-5,427.69	-311.99	5,424.76	1.91	-0.32	-1.88
17,887.00	86.20	179.01	12,024.12	-5,520.47	-309.03	5,517.56	1.97	-0.81	1.80
17,980.00	87.38	180.24	12,029.33	-5,613.32	-308.43	5,610.41	1.83	1.27	1.32
18,074.00	87.67	182.79	12,033.39	-5,707.19	-310.91	5,704.26	2.73	0.31	2.71
18,167.00	89.60	182.43	12,035.60	-5,800.06	-315.14	5,797.09	2.11	2.08	-0.39
18,260.00	89.91	181.03	12,036.00	-5,893.02	-317.95	5,890.02	1.54	0.33	-1.51
18,353.00	87.93	182.79	12,037.75	-5,985.94	-321.05	5,982.91	2.85	-2.13	1.89
18,447.00	87.54	180.15	12,041.47	-6,079.83	-323.46	6,076.77	2.84	-0.41	-2.81
18,540.00	83.45	177.69	12,048.77	-6,172.50	-321.72	6,169.46	5.13	-4.40	-2.65
18,633.00	86.48	176.28	12,056.94	-6,265.00	-316.84	6,261.99	3.59	3.26	-1.52
18,726.00	85.87	175.05	12,063.14	-6,357.52	-309.83	6,354.58	1.47	-0.66	-1.32
18,746.04	85.91	175.29	12,064.58	-6,377.44	-308.15	6,374.51	1.22	0.18	1.21
TGT 4 (6375' VS)									
18,820.00	86.04	176.19	12,069.77	-6,451.01	-302.67	6,448.13	1.22	0.18	1.21
18,914.00	85.17	178.39	12,076.97	-6,544.63	-298.24	6,541.77	2.51	-0.93	2.34
19,007.00	85.91	180.59	12,084.21	-6,637.33	-297.41	6,634.49	2.49	0.80	2.37
19,101.00	88.86	182.52	12,088.50	-6,731.19	-299.96	6,728.31	3.75	3.14	2.05
19,194.00	86.18	181.29	12,092.52	-6,824.04	-303.05	6,821.13	3.17	-2.88	-1.32
19,288.00	83.85	180.68	12,100.69	-6,917.66	-304.66	6,914.74	2.56	-2.48	-0.65
19,381.00	81.69	178.92	12,112.39	-7,009.91	-304.34	7,006.99	2.99	-2.32	-1.89
19,474.00	84.73	179.62	12,123.39	-7,102.24	-303.17	7,099.32	3.35	3.27	0.75
19,567.00	91.14	184.72	12,126.74	-7,195.03	-306.69	7,192.08	8.80	6.89	5.48
19,660.00	89.34	182.17	12,126.35	-7,287.85	-312.28	7,284.85	3.36	-1.94	-2.74
19,753.00	85.21	179.62	12,130.77	-7,380.71	-313.73	7,377.69	5.22	-4.44	-2.74
19,847.00	82.44	176.72	12,140.88	-7,474.10	-310.76	7,471.10	4.25	-2.95	-3.09
19,940.00	82.75	178.22	12,152.87	-7,566.23	-306.69	7,563.26	1.63	0.33	1.61
20,034.00	82.44	177.69	12,164.98	-7,659.39	-303.36	7,656.45	0.65	-0.33	-0.56
20,127.00	83.54	179.10	12,176.33	-7,751.65	-300.78	7,748.73	1.91	1.18	1.52
20,220.00	83.41	177.34	12,186.90	-7,844.00	-297.91	7,841.10	1.89	-0.14	-1.89
20,312.00	82.62	178.92	12,198.09	-7,935.26	-294.92	7,932.39	1.91	-0.86	1.72
20,406.00	85.08	179.01	12,208.16	-8,028.70	-293.24	8,025.84	2.62	2.62	0.10
20,499.00	82.49	176.11	12,218.23	-8,121.05	-289.31	8,118.22	4.17	-2.78	-3.12
20,593.00	87.93	178.57	12,226.08	-8,214.58	-284.97	8,211.78	6.35	5.79	2.62
20,686.00	87.45	180.59	12,229.83	-8,307.50	-284.29	8,304.70	2.23	-0.52	2.17
20,779.00	84.95	181.91	12,235.99	-8,400.26	-286.31	8,397.44	3.04	-2.69	1.42
20,872.00	85.91	178.83	12,243.40	-8,492.95	-286.91	8,490.13	3.46	1.03	-3.31
20,966.00	91.63	180.15	12,245.42	-8,586.89	-286.07	8,584.06	6.24	6.09	1.40
21,060.00	89.25	180.24	12,244.70	-8,680.88	-286.39	8,678.05	2.53	-2.53	0.10
21,152.69	87.73	179.97	12,247.14	-8,773.53	-286.57	8,770.70	1.66	-1.64	-0.29
TGT 5 (8770' VS)									
21,154.00	87.71	179.97	12,247.19	-8,774.84	-286.57	8,772.00	1.66	-1.64	-0.29
21,247.00	86.40	180.76	12,251.97	-8,867.71	-287.16	8,864.87	1.64	-1.41	0.85



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Blue Ribbon Fed Com 703H
Project:	Lea County, NM (NAD83)	TVD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Site:	Blue Ribbon/Parade State	MD Reference:	3245.2' GE + 30' KB @ 3275.20usft
Well:	Blue Ribbon Fed Com 703H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,340.00	87.01	179.36	12,257.31	-8,960.56	-287.25	8,957.71	1.64	0.66	-1.51
21,434.00	88.42	180.24	12,261.06	-9,054.48	-286.93	9,051.63	1.77	1.50	0.94
21,502.41	89.70	180.11	12,262.18	-9,122.87	-287.13	9,120.02	1.88	1.87	-0.19
TGT 6 (9120' VS)									
21,528.00	90.18	180.06	12,262.21	-9,148.47	-287.17	9,145.61	1.88	1.87	-0.19
21,621.00	91.89	180.15	12,260.53	-9,241.45	-287.34	9,238.59	1.84	1.84	0.10
21,715.00	93.74	180.76	12,255.91	-9,335.33	-288.09	9,332.46	2.07	1.97	0.65
21,809.00	92.46	180.41	12,250.83	-9,429.18	-289.05	9,426.30	1.41	-1.36	-0.37
21,902.00	92.37	179.36	12,246.91	-9,522.10	-288.86	9,519.21	1.13	-0.10	-1.13
21,995.00	90.44	176.90	12,244.63	-9,615.01	-285.82	9,612.15	3.36	-2.08	-2.65
22,089.00	90.75	176.28	12,243.66	-9,708.84	-280.23	9,706.02	0.74	0.33	-0.66
22,144.00	90.75	176.28	12,242.94	-9,763.72	-276.67	9,760.93	0.00	0.00	0.00
BHL - PBHL (Blue Ribbon Fed Com 703H)									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,999.80	11,985.84	-4,634.31	-315.24	S2/11 Crossing
22,144.00	12,242.94	-9,763.72	-276.67	BHL

Checked By: _____ Approved By: _____ Date: _____

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(575) 748-1283 Fax:(575) 748-9720

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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 100572

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 100572
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	4/29/2022