

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-47663
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. VB-2121
7. Lease Name or Unit Agreement Name BLUE RIBBON FEDERAL COM
8. Well Number 703H
9. OGRID Number 373910
10. Pool name or Wildcat WC-025 G-09 S253502D; UPR WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
 DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
 PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other

2. Name of Operator FRANKLIN MOUNTAIN ENERGY, LLC

3. Address of Operator 44 COOK STREET, SUITE 1000, DENVER, CO 80206

4. Well Location

Unit Letter C : 675 feet from the north line and 2623 feet from the west line

Section 2 Township 25S Range 35E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
 3245

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: 2nd Intermediate Casing & Cement ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

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

Drilled production 6.75" hole to 22,144' 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.

Spud Date: 1/21/2021

Rig Release Date: 3/4/2021

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

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

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

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



Franklin Mountain Energy

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	



Total Directional Services

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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



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)	
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	



Total Directional Services

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Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
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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			
		+N/-S (usft)	+E/-W (usft)	Comment	
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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Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Blue Ribbon/Parade State
Well: Blue Ribbon Fed Com 703H
Wellbore: OH
Design: OH

3245.2' GE + 30' KB @ 3275.20usft



Azimuths to Grid North
True North: -0.53°
Magnetic North: 5.95°

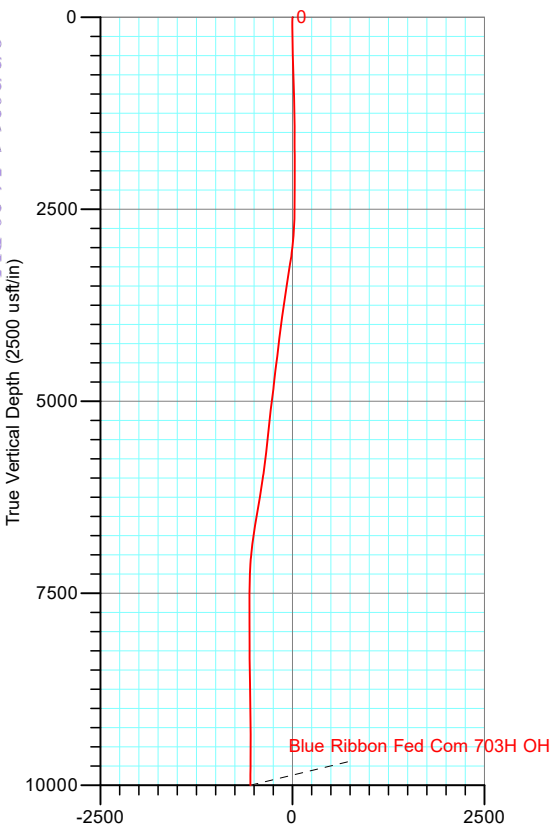
Magnetic Field
Strength: 47526.5nT
Dip Angle: 59.90°
Date: 1/16/2021
Model: IGRF2020

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



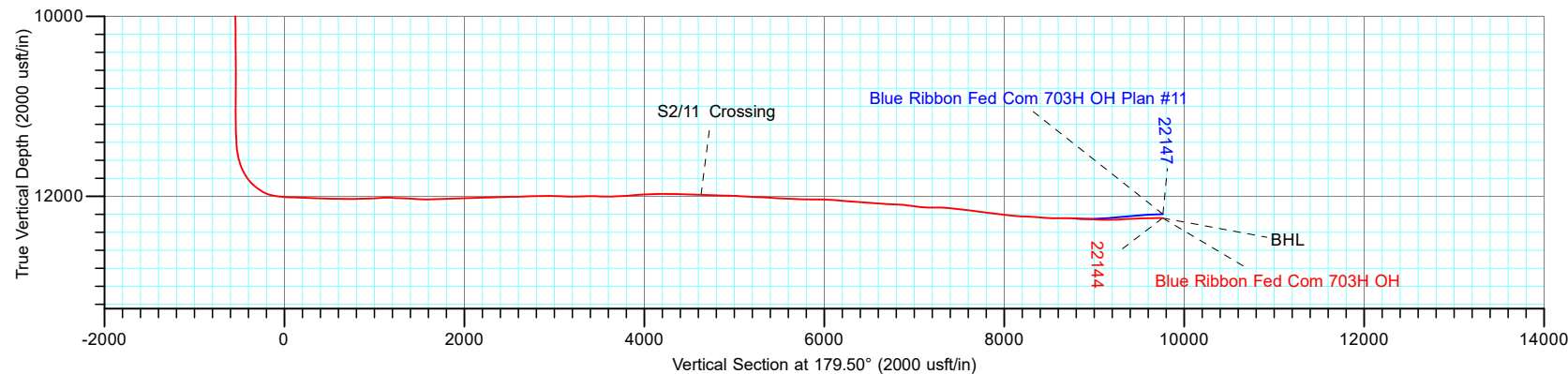
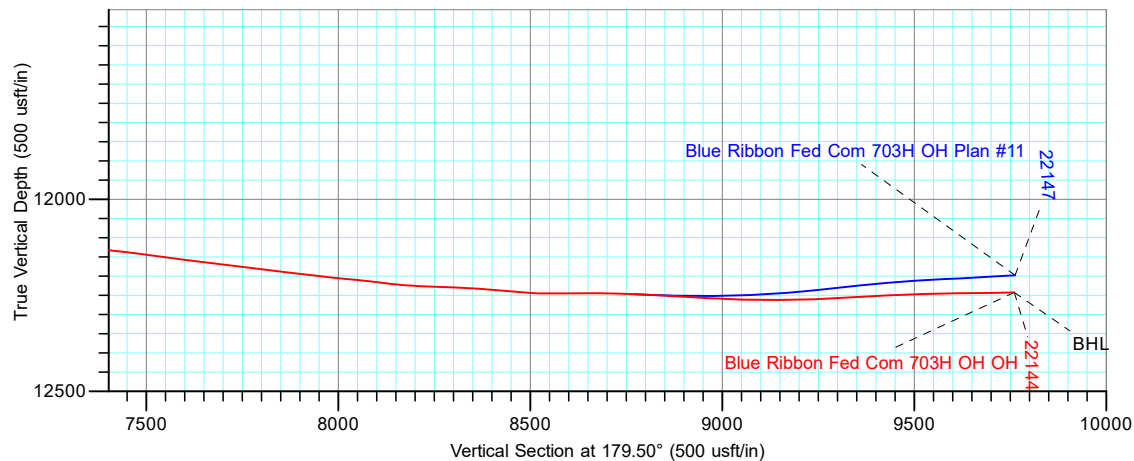
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ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSection	Departure	Annotation
16999.80	88.10	179.21	11985.84	-4634.31	-315.24	4631.38	5984.48	S2/11 Crossing
22144.00	90.75	176.28	12242.94	-9763.72	-276.67	9760.93	11116.51	BHL

ACTUAL LINE CALLS
SHL: 675' FNL, 2623' FWL S2
BHL: 152' FSL, 2260' FWL S11



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

Design: OH (Blue Ribbon Fed Com 703H/OH)
Blue Ribbon/Parade State
Created By: Dustin Ault Date: 14:37, March 09 2021
Date: _____
Approved: _____ Date: _____

Page 11 of 13

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Blue Ribbon/Parade State
Well: Blue Ribbon Fed Com 703H
Wellbore: OH
Design: OH



Azimuths to Grid North
True North: -0.53°
Magnetic North: 5.95°

Magnetic Field
Strength: 47526.5nT
Dip Angle: 59.90°
Date: 1/16/2021
Model: IGRF2020

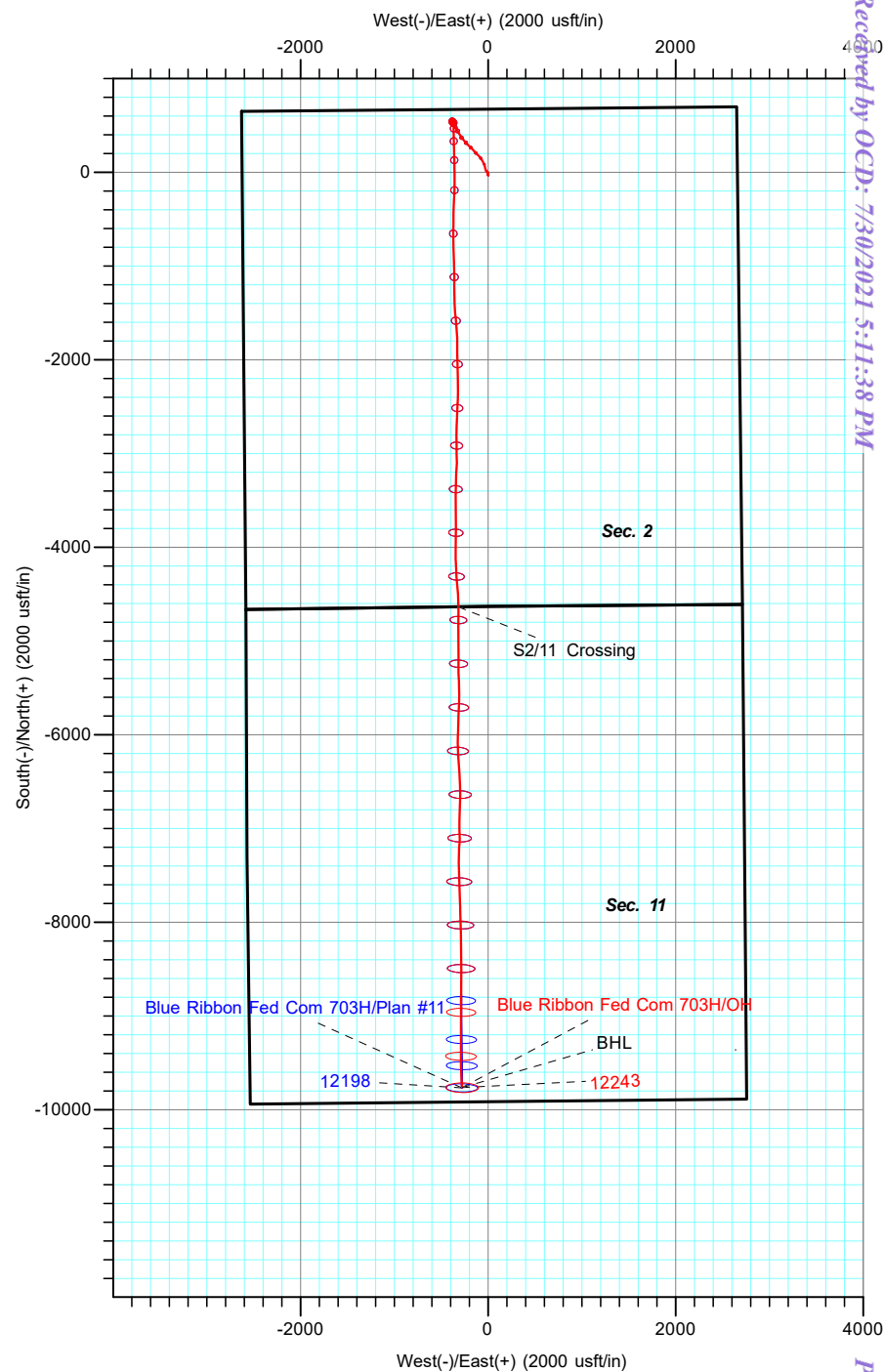
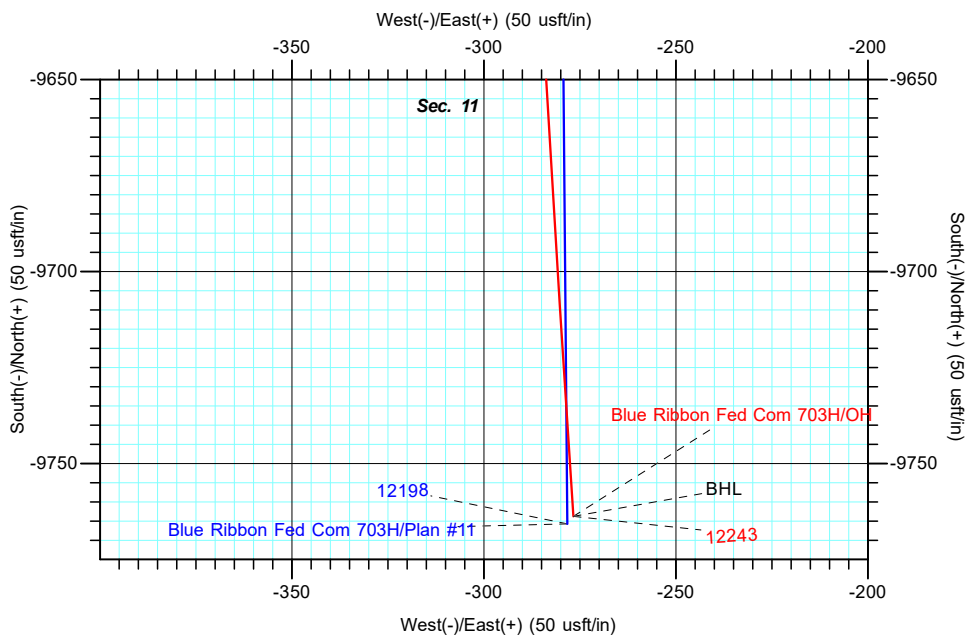
PROJECT DETAILS: Lea County, NM (NAD83)
Geodetic System: US State Plane 1983
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ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
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Blue Ribbon/Parade State
Created By: Dustin Ault Date: 14:38, March 09 2021
Date: _____
Approved: _____ Date: _____

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

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 39046

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 39046
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

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