

Franklin Mountain Energy

DrilTech, LLC

Golden - Breckenridge Site Breckenridge Fed Com 705H Wellbore #1 Plan #1



SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3375' + RBK 21' @ 3396.00ft

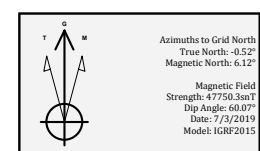
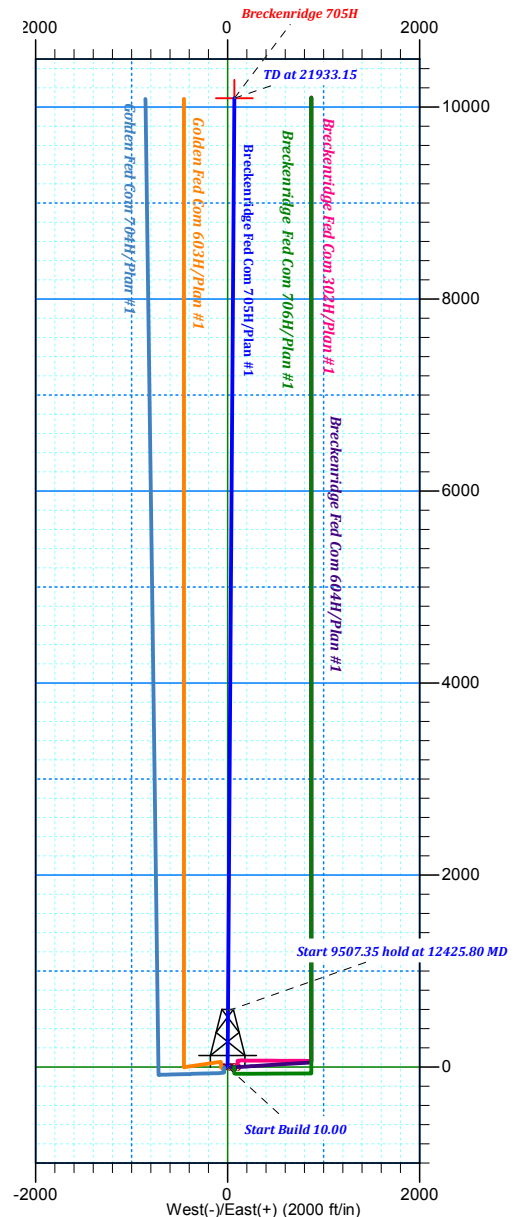
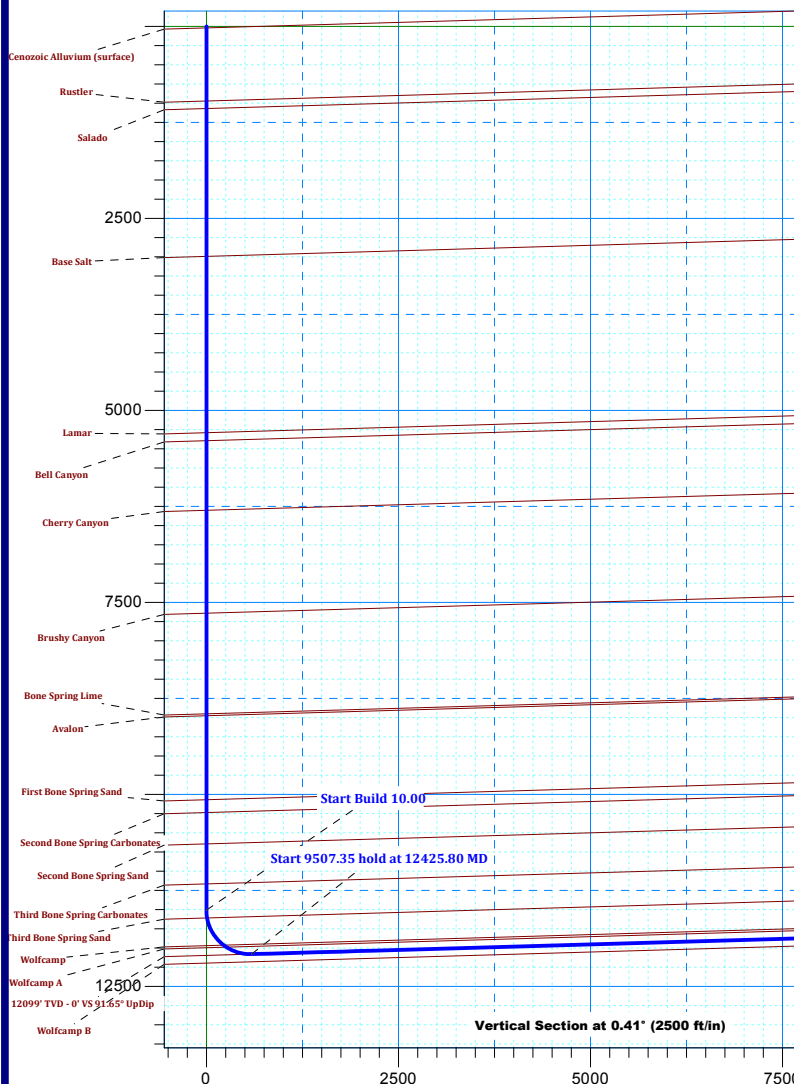
Northing	Easting	Latitude	Longitude	Slot
447177.09	839765.30	32° 13' 32.454 N	103° 22' 5.788 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11509.30	0.00	0.00	11509.30	0.00	0.00	0.00	0.00	0.00
12425.80	91.65	0.41	12082.02	589.44	4.20	10.00	0.41	589.46
21933.15	91.65	0.41	11808.26	10092.61	71.83	0.00	0.00	10092.87

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
Breckenridge 705H	11808.26	10092.61	71.83	457269.68	839837.13



Franklin Mountain Energy

**Golden - Breckenridge Site
Lea County, NM (NAD 83)
Breckenridge Fed Com 705H**

Wellbore #1

Plan: Plan #1

Standard Planning Report

08 July, 2019

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Golden - Breckenridge Site		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Lea County, NM (NAD 83)			
Site Position:		Northing:	447,177.09 usft	Latitude:	32° 13' 32.454 N
From:	Map	Easting:	839,765.30 usft	Longitude:	103° 22' 5.788 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.51 °

Well	Breckenridge Fed Com 705H					
Well Position	+N/-S	0.00 ft	Northing:	447,177.09 usft	Latitude:	32° 13' 32.454 N
	+E/-W	0.00 ft	Easting:	839,765.30 usft	Longitude:	103° 22' 5.788 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,375.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2019	6.64	60.07	47,750.27025690

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	0.41

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,509.30	0.00	0.00	11,509.30	0.00	0.00	0.00	0.00	0.00	0.00	
12,425.80	91.65	0.41	12,082.02	589.44	4.20	10.00	10.00	0.00	0.41	
21,933.15	91.65	0.41	11,808.27	10,092.61	71.83	0.00	0.00	0.00	0.00	Breckenridge 705H

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Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
21.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00	0.00
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
974.00	0.00	0.00	974.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,071.00	0.00	0.00	1,071.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,996.00	0.00	0.00	2,996.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00

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Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,292.00	0.00	0.00	5,292.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar									
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00
5,396.00	0.00	0.00	5,396.00	0.00	0.00	0.00	0.00	0.00	0.00
Bell Canyon									
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,302.00	0.00	0.00	6,302.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon									
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,644.00	0.00	0.00	7,644.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon									
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,953.00	0.00	0.00	8,953.00	0.00	0.00	0.00	0.00	0.00	0.00

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Bone Spring Lime									
8,979.00	0.00	0.00	8,979.00	0.00	0.00	0.00	0.00	0.00	0.00
Avalon									
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,070.00	0.00	0.00	10,070.00	0.00	0.00	0.00	0.00	0.00	0.00
First Bone Spring Sand									
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,238.00	0.00	0.00	10,238.00	0.00	0.00	0.00	0.00	0.00	0.00
Second Bone Spring Carbonates									
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,645.00	0.00	0.00	10,645.00	0.00	0.00	0.00	0.00	0.00	0.00
Second Bone Spring Sand									
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00
10,900.00	0.00	0.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00
11,000.00	0.00	0.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00
11,169.00	0.00	0.00	11,169.00	0.00	0.00	0.00	0.00	0.00	0.00
Third Bone Spring Carbonates									
11,200.00	0.00	0.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00
11,300.00	0.00	0.00	11,300.00	0.00	0.00	0.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,400.00	0.00	0.00	0.00	0.00	0.00	0.00
11,500.00	0.00	0.00	11,500.00	0.00	0.00	0.00	0.00	0.00	0.00
11,509.30	0.00	0.00	11,509.30	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 10.00									
11,600.00	9.07	0.41	11,599.62	7.16	0.05	7.16	10.00	10.00	0.00
11,611.28	10.20	0.41	11,610.74	9.05	0.06	9.05	10.00	10.00	0.00
Third Bone Spring Sand									
11,700.00	19.07	0.41	11,696.50	31.44	0.22	31.44	10.00	10.00	0.00
11,800.00	29.07	0.41	11,787.69	72.18	0.51	72.18	10.00	10.00	0.00
11,900.00	39.07	0.41	11,870.42	128.12	0.91	128.13	10.00	10.00	0.00
12,000.00	49.07	0.41	11,942.18	197.59	1.41	197.59	10.00	10.00	0.00
12,035.39	52.61	0.41	11,964.52	225.02	1.60	225.03	10.00	10.00	0.00
Wolfcamp									
12,082.23	57.29	0.41	11,991.41	263.36	1.87	263.37	10.00	10.00	0.00
Wolfcamp A									
12,100.00	59.07	0.41	12,000.78	278.46	1.98	278.46	10.00	10.00	0.00
12,200.00	69.07	0.41	12,044.45	368.27	2.62	368.28	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,300.00	79.07	0.41	12,071.86	464.31	3.30	464.32	10.00	10.00	0.00
12,400.00	89.07	0.41	12,082.18	563.64	4.01	563.66	10.00	10.00	0.00
12,425.80	91.65	0.41	12,082.02	589.44	4.20	589.46	10.00	10.00	0.00
Start 9507.35 hold at 12425.80 MD									
12,500.00	91.65	0.41	12,079.88	663.61	4.72	663.63	0.00	0.00	0.00
12,600.00	91.65	0.41	12,077.00	763.56	5.43	763.58	0.00	0.00	0.00
12,700.00	91.65	0.41	12,074.12	863.52	6.15	863.54	0.00	0.00	0.00
12,800.00	91.65	0.41	12,071.24	963.48	6.86	963.50	0.00	0.00	0.00
12,900.00	91.65	0.41	12,068.37	1,063.43	7.57	1,063.46	0.00	0.00	0.00
13,000.00	91.65	0.41	12,065.49	1,163.39	8.28	1,163.42	0.00	0.00	0.00
13,100.00	91.65	0.41	12,062.61	1,263.34	8.99	1,263.38	0.00	0.00	0.00
13,200.00	91.65	0.41	12,059.73	1,363.30	9.70	1,363.34	0.00	0.00	0.00
13,300.00	91.65	0.41	12,056.85	1,463.26	10.41	1,463.29	0.00	0.00	0.00
13,400.00	91.65	0.41	12,053.97	1,563.21	11.13	1,563.25	0.00	0.00	0.00
13,500.00	91.65	0.41	12,051.09	1,663.17	11.84	1,663.21	0.00	0.00	0.00
13,600.00	91.65	0.41	12,048.21	1,763.13	12.55	1,763.17	0.00	0.00	0.00
13,700.00	91.65	0.41	12,045.33	1,863.08	13.26	1,863.13	0.00	0.00	0.00
13,800.00	91.65	0.41	12,042.45	1,963.04	13.97	1,963.09	0.00	0.00	0.00
13,900.00	91.65	0.41	12,039.57	2,062.99	14.68	2,063.05	0.00	0.00	0.00
14,000.00	91.65	0.41	12,036.69	2,162.95	15.39	2,163.00	0.00	0.00	0.00
14,100.00	91.65	0.41	12,033.81	2,262.91	16.11	2,262.96	0.00	0.00	0.00
14,200.00	91.65	0.41	12,030.93	2,362.86	16.82	2,362.92	0.00	0.00	0.00
14,300.00	91.65	0.41	12,028.05	2,462.82	17.53	2,462.88	0.00	0.00	0.00
14,400.00	91.65	0.41	12,025.17	2,562.77	18.24	2,562.84	0.00	0.00	0.00
14,500.00	91.65	0.41	12,022.30	2,662.73	18.95	2,662.80	0.00	0.00	0.00
14,600.00	91.65	0.41	12,019.42	2,762.69	19.66	2,762.76	0.00	0.00	0.00
14,700.00	91.65	0.41	12,016.54	2,862.64	20.37	2,862.71	0.00	0.00	0.00
14,800.00	91.65	0.41	12,013.66	2,962.60	21.09	2,962.67	0.00	0.00	0.00
14,900.00	91.65	0.41	12,010.78	3,062.55	21.80	3,062.63	0.00	0.00	0.00
15,000.00	91.65	0.41	12,007.90	3,162.51	22.51	3,162.59	0.00	0.00	0.00
15,100.00	91.65	0.41	12,005.02	3,262.47	23.22	3,262.55	0.00	0.00	0.00
15,200.00	91.65	0.41	12,002.14	3,362.42	23.93	3,362.51	0.00	0.00	0.00
15,300.00	91.65	0.41	11,999.26	3,462.38	24.64	3,462.46	0.00	0.00	0.00
15,400.00	91.65	0.41	11,996.38	3,562.33	25.35	3,562.42	0.00	0.00	0.00
15,500.00	91.65	0.41	11,993.50	3,662.29	26.06	3,662.38	0.00	0.00	0.00
15,600.00	91.65	0.41	11,990.62	3,762.25	26.78	3,762.34	0.00	0.00	0.00
15,700.00	91.65	0.41	11,987.74	3,862.20	27.49	3,862.30	0.00	0.00	0.00
15,800.00	91.65	0.41	11,984.86	3,962.16	28.20	3,962.26	0.00	0.00	0.00
15,900.00	91.65	0.41	11,981.98	4,062.11	28.91	4,062.22	0.00	0.00	0.00
16,000.00	91.65	0.41	11,979.10	4,162.07	29.62	4,162.17	0.00	0.00	0.00
16,100.00	91.65	0.41	11,976.22	4,262.03	30.33	4,262.13	0.00	0.00	0.00
16,200.00	91.65	0.41	11,973.35	4,361.98	31.04	4,362.09	0.00	0.00	0.00
16,300.00	91.65	0.41	11,970.47	4,461.94	31.76	4,462.05	0.00	0.00	0.00
16,400.00	91.65	0.41	11,967.59	4,561.89	32.47	4,562.01	0.00	0.00	0.00
16,500.00	91.65	0.41	11,964.71	4,661.85	33.18	4,661.97	0.00	0.00	0.00
16,600.00	91.65	0.41	11,961.83	4,761.81	33.89	4,761.93	0.00	0.00	0.00
16,700.00	91.65	0.41	11,958.95	4,861.76	34.60	4,861.88	0.00	0.00	0.00
16,800.00	91.65	0.41	11,956.07	4,961.72	35.31	4,961.84	0.00	0.00	0.00
16,900.00	91.65	0.41	11,953.19	5,061.67	36.02	5,061.80	0.00	0.00	0.00
17,000.00	91.65	0.41	11,950.31	5,161.63	36.74	5,161.76	0.00	0.00	0.00
17,100.00	91.65	0.41	11,947.43	5,261.59	37.45	5,261.72	0.00	0.00	0.00
17,200.00	91.65	0.41	11,944.55	5,361.54	38.16	5,361.68	0.00	0.00	0.00
17,300.00	91.65	0.41	11,941.67	5,461.50	38.87	5,461.64	0.00	0.00	0.00
17,400.00	91.65	0.41	11,938.79	5,561.45	39.58	5,561.59	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
17,500.00	91.65	0.41	11,935.91	5,661.41	40.29	5,661.55	0.00	0.00	0.00
17,600.00	91.65	0.41	11,933.03	5,761.37	41.00	5,761.51	0.00	0.00	0.00
17,700.00	91.65	0.41	11,930.15	5,861.32	41.72	5,861.47	0.00	0.00	0.00
17,800.00	91.65	0.41	11,927.28	5,961.28	42.43	5,961.43	0.00	0.00	0.00
17,900.00	91.65	0.41	11,924.40	6,061.23	43.14	6,061.39	0.00	0.00	0.00
18,000.00	91.65	0.41	11,921.52	6,161.19	43.85	6,161.35	0.00	0.00	0.00
18,100.00	91.65	0.41	11,918.64	6,261.15	44.56	6,261.30	0.00	0.00	0.00
18,200.00	91.65	0.41	11,915.76	6,361.10	45.27	6,361.26	0.00	0.00	0.00
18,300.00	91.65	0.41	11,912.88	6,461.06	45.98	6,461.22	0.00	0.00	0.00
18,400.00	91.65	0.41	11,910.00	6,561.01	46.70	6,561.18	0.00	0.00	0.00
18,500.00	91.65	0.41	11,907.12	6,660.97	47.41	6,661.14	0.00	0.00	0.00
18,600.00	91.65	0.41	11,904.24	6,760.93	48.12	6,761.10	0.00	0.00	0.00
18,700.00	91.65	0.41	11,901.36	6,860.88	48.83	6,861.06	0.00	0.00	0.00
18,800.00	91.65	0.41	11,898.48	6,960.84	49.54	6,961.01	0.00	0.00	0.00
18,900.00	91.65	0.41	11,895.60	7,060.79	50.25	7,060.97	0.00	0.00	0.00
19,000.00	91.65	0.41	11,892.72	7,160.75	50.96	7,160.93	0.00	0.00	0.00
19,100.00	91.65	0.41	11,889.84	7,260.71	51.68	7,260.89	0.00	0.00	0.00
19,200.00	91.65	0.41	11,886.96	7,360.66	52.39	7,360.85	0.00	0.00	0.00
19,300.00	91.65	0.41	11,884.08	7,460.62	53.10	7,460.81	0.00	0.00	0.00
19,400.00	91.65	0.41	11,881.20	7,560.57	53.81	7,560.76	0.00	0.00	0.00
19,500.00	91.65	0.41	11,878.33	7,660.53	54.52	7,660.72	0.00	0.00	0.00
19,600.00	91.65	0.41	11,875.45	7,760.49	55.23	7,760.68	0.00	0.00	0.00
19,700.00	91.65	0.41	11,872.57	7,860.44	55.94	7,860.64	0.00	0.00	0.00
19,800.00	91.65	0.41	11,869.69	7,960.40	56.65	7,960.60	0.00	0.00	0.00
19,900.00	91.65	0.41	11,866.81	8,060.35	57.37	8,060.56	0.00	0.00	0.00
20,000.00	91.65	0.41	11,863.93	8,160.31	58.08	8,160.52	0.00	0.00	0.00
20,100.00	91.65	0.41	11,861.05	8,260.27	58.79	8,260.47	0.00	0.00	0.00
20,200.00	91.65	0.41	11,858.17	8,360.22	59.50	8,360.43	0.00	0.00	0.00
20,300.00	91.65	0.41	11,855.29	8,460.18	60.21	8,460.39	0.00	0.00	0.00
20,400.00	91.65	0.41	11,852.41	8,560.13	60.92	8,560.35	0.00	0.00	0.00
20,500.00	91.65	0.41	11,849.53	8,660.09	61.63	8,660.31	0.00	0.00	0.00
20,600.00	91.65	0.41	11,846.65	8,760.05	62.35	8,760.27	0.00	0.00	0.00
20,700.00	91.65	0.41	11,843.77	8,860.00	63.06	8,860.23	0.00	0.00	0.00
20,800.00	91.65	0.41	11,840.89	8,959.96	63.77	8,960.18	0.00	0.00	0.00
20,900.00	91.65	0.41	11,838.01	9,059.91	64.48	9,060.14	0.00	0.00	0.00
21,000.00	91.65	0.41	11,835.13	9,159.87	65.19	9,160.10	0.00	0.00	0.00
21,100.00	91.65	0.41	11,832.25	9,259.83	65.90	9,260.06	0.00	0.00	0.00
21,200.00	91.65	0.41	11,829.38	9,359.78	66.61	9,360.02	0.00	0.00	0.00
21,300.00	91.65	0.41	11,826.50	9,459.74	67.33	9,459.98	0.00	0.00	0.00
21,400.00	91.65	0.41	11,823.62	9,559.69	68.04	9,559.94	0.00	0.00	0.00
21,500.00	91.65	0.41	11,820.74	9,659.65	68.75	9,659.89	0.00	0.00	0.00
21,600.00	91.65	0.41	11,817.86	9,759.61	69.46	9,759.85	0.00	0.00	0.00
21,700.00	91.65	0.41	11,814.98	9,859.56	70.17	9,859.81	0.00	0.00	0.00
21,800.00	91.65	0.41	11,812.10	9,959.52	70.88	9,959.77	0.00	0.00	0.00
21,900.00	91.65	0.41	11,809.22	10,059.47	71.59	10,059.73	0.00	0.00	0.00
21,933.15	91.65	0.41	11,808.27	10,092.61	71.83	10,092.87	0.00	0.00	0.00
TD at 21933.15 - Breckenridge 705H									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
Breckenridge 705H	0.00	0.00	11,808.27	10,092.61	71.83	457,269.68	839,837.13	32° 15' 12.310 N	103° 22' 3.896 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
21.00	21.00	Cenozoic Alluvium (surface)		-1.65	0.41	
974.00	974.00	Rustler		-1.65	0.41	
1,071.00	1,071.00	Salado		-1.65	0.41	
2,996.00	2,996.00	Base Salt		-1.65	0.41	
5,292.00	5,292.00	Lamar		-1.65	0.41	
5,396.00	5,396.00	Bell Canyon		-1.65	0.41	
6,302.00	6,302.00	Cherry Canyon		-1.65	0.41	
7,644.00	7,644.00	Brushy Canyon		-1.65	0.41	
8,953.00	8,953.00	Bone Spring Lime		-1.65	0.41	
8,979.00	8,979.00	Avalon		-1.65	0.41	
10,070.00	10,070.00	First Bone Spring Sand		-1.65	0.41	
10,238.00	10,238.00	Second Bone Spring Carbonates		-1.65	0.41	
10,645.00	10,645.00	Second Bone Spring Sand		-1.65	0.41	
11,169.00	11,169.00	Third Bone Spring Carbonates		-1.65	0.41	
11,611.28	11,610.74	Third Bone Spring Sand		-1.65	0.41	
12,035.39	11,964.52	Wolfcamp		-1.65	0.41	
12,082.23	11,991.41	Wolfcamp A		-1.65	0.41	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
11,509.30	11,509.30	0.00	0.00	Start Build 10.00
12,425.80	12,082.02	589.44	4.20	Start 9507.35 hold at 12425.80 MD
21,933.15	11,808.27	10,092.61	71.83	TD at 21933.15

Franklin Mountain Energy

Golden - Breckenridge Site

Lea County, NM (NAD 83)

Breckenridge Fed Com 705H

Wellbore #1

Plan: Plan #1

Standard Planning Report - Geographic

08 July, 2019

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Golden - Breckenridge Site		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Lea County, NM (NAD 83)			
Site Position:		Northing:	447,177.09 usft	Latitude:	32° 13' 32.454 N
From:	Map	Easting:	839,765.30 usft	Longitude:	103° 22' 5.788 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.51 °

Well	Breckenridge Fed Com 705H					
Well Position	+N/-S	0.00 ft	Northing:	447,177.09 usft	Latitude:	32° 13' 32.454 N
	+E/-W	0.00 ft	Easting:	839,765.30 usft	Longitude:	103° 22' 5.788 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,375.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2019	6.64	60.07	47,750.27025690

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	0.41	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,509.30	0.00	0.00	11,509.30	0.00	0.00	0.00	0.00	0.00	0.00	
12,425.80	91.65	0.41	12,082.02	589.44	4.20	10.00	10.00	0.00	0.41	
21,933.15	91.65	0.41	11,808.27	10,092.61	71.83	0.00	0.00	0.00	0.00	Breckenridge 705H

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
21.00	0.00	0.00	21.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
200.00	0.00	0.00	200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
300.00	0.00	0.00	300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
400.00	0.00	0.00	400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
500.00	0.00	0.00	500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
600.00	0.00	0.00	600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
700.00	0.00	0.00	700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
800.00	0.00	0.00	800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
900.00	0.00	0.00	900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
974.00	0.00	0.00	974.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,071.00	0.00	0.00	1,071.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Salado									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,600.00	0.00	0.00	1,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,700.00	0.00	0.00	1,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,800.00	0.00	0.00	1,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
1,900.00	0.00	0.00	1,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,000.00	0.00	0.00	2,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,100.00	0.00	0.00	2,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,200.00	0.00	0.00	2,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,300.00	0.00	0.00	2,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,400.00	0.00	0.00	2,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,500.00	0.00	0.00	2,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,600.00	0.00	0.00	2,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,700.00	0.00	0.00	2,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,800.00	0.00	0.00	2,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,900.00	0.00	0.00	2,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
2,996.00	0.00	0.00	2,996.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Base Salt									
3,000.00	0.00	0.00	3,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,100.00	0.00	0.00	3,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,200.00	0.00	0.00	3,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,300.00	0.00	0.00	3,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,400.00	0.00	0.00	3,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,500.00	0.00	0.00	3,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,600.00	0.00	0.00	3,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,700.00	0.00	0.00	3,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,800.00	0.00	0.00	3,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
3,900.00	0.00	0.00	3,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,000.00	0.00	0.00	4,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,100.00	0.00	0.00	4,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,200.00	0.00	0.00	4,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,300.00	0.00	0.00	4,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,400.00	0.00	0.00	4,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,500.00	0.00	0.00	4,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,600.00	0.00	0.00	4,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,700.00	0.00	0.00	4,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,800.00	0.00	0.00	4,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
4,900.00	0.00	0.00	4,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,000.00	0.00	0.00	5,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,100.00	0.00	0.00	5,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,200.00	0.00	0.00	5,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,292.00	0.00	0.00	5,292.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Lamar									
5,300.00	0.00	0.00	5,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,396.00	0.00	0.00	5,396.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Bell Canyon									
5,400.00	0.00	0.00	5,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,500.00	0.00	0.00	5,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,600.00	0.00	0.00	5,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,700.00	0.00	0.00	5,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,800.00	0.00	0.00	5,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
5,900.00	0.00	0.00	5,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,000.00	0.00	0.00	6,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,100.00	0.00	0.00	6,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,200.00	0.00	0.00	6,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,300.00	0.00	0.00	6,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,302.00	0.00	0.00	6,302.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Cherry Canyon									
6,400.00	0.00	0.00	6,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,500.00	0.00	0.00	6,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,600.00	0.00	0.00	6,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,700.00	0.00	0.00	6,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,800.00	0.00	0.00	6,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
6,900.00	0.00	0.00	6,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,000.00	0.00	0.00	7,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,100.00	0.00	0.00	7,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,200.00	0.00	0.00	7,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,300.00	0.00	0.00	7,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,400.00	0.00	0.00	7,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,500.00	0.00	0.00	7,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,600.00	0.00	0.00	7,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,644.00	0.00	0.00	7,644.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Brushy Canyon									
7,700.00	0.00	0.00	7,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,800.00	0.00	0.00	7,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
7,900.00	0.00	0.00	7,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,000.00	0.00	0.00	8,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,100.00	0.00	0.00	8,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,200.00	0.00	0.00	8,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,300.00	0.00	0.00	8,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,400.00	0.00	0.00	8,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,500.00	0.00	0.00	8,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,600.00	0.00	0.00	8,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,700.00	0.00	0.00	8,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,800.00	0.00	0.00	8,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,900.00	0.00	0.00	8,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
8,953.00	0.00	0.00	8,953.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Bone Spring Lime									

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,979.00	0.00	0.00	8,979.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Avalon									
9,000.00	0.00	0.00	9,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,100.00	0.00	0.00	9,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,200.00	0.00	0.00	9,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,300.00	0.00	0.00	9,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,400.00	0.00	0.00	9,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,500.00	0.00	0.00	9,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,600.00	0.00	0.00	9,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,700.00	0.00	0.00	9,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,800.00	0.00	0.00	9,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
9,900.00	0.00	0.00	9,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,000.00	0.00	0.00	10,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,070.00	0.00	0.00	10,070.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
First Bone Spring Sand									
10,100.00	0.00	0.00	10,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,200.00	0.00	0.00	10,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,238.00	0.00	0.00	10,238.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Second Bone Spring Carbonates									
10,300.00	0.00	0.00	10,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,400.00	0.00	0.00	10,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,500.00	0.00	0.00	10,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,600.00	0.00	0.00	10,600.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,645.00	0.00	0.00	10,645.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Second Bone Spring Sand									
10,700.00	0.00	0.00	10,700.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,800.00	0.00	0.00	10,800.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
10,900.00	0.00	0.00	10,900.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,000.00	0.00	0.00	11,000.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,100.00	0.00	0.00	11,100.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,169.00	0.00	0.00	11,169.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Third Bone Spring Carbonates									
11,200.00	0.00	0.00	11,200.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,300.00	0.00	0.00	11,300.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,400.00	0.00	0.00	11,400.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,500.00	0.00	0.00	11,500.00	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
11,509.30	0.00	0.00	11,509.30	0.00	0.00	447,177.09	839,765.30	32° 13' 32.454 N	103° 22' 5.788 W
Start Build 10.00									
11,600.00	9.07	0.41	11,599.62	7.16	0.05	447,184.25	839,765.35	32° 13' 32.525 N	103° 22' 5.787 W
11,611.28	10.20	0.41	11,610.74	9.05	0.06	447,186.14	839,765.36	32° 13' 32.544 N	103° 22' 5.786 W
Third Bone Spring Sand									
11,700.00	19.07	0.41	11,696.50	31.44	0.22	447,208.53	839,765.52	32° 13' 32.765 N	103° 22' 5.782 W
11,800.00	29.07	0.41	11,787.69	72.18	0.51	447,249.27	839,765.81	32° 13' 33.168 N	103° 22' 5.774 W
11,900.00	39.07	0.41	11,870.42	128.12	0.91	447,305.21	839,766.21	32° 13' 33.722 N	103° 22' 5.764 W
12,000.00	49.07	0.41	11,942.18	197.59	1.41	447,374.68	839,766.71	32° 13' 34.409 N	103° 22' 5.751 W
12,035.39	52.61	0.41	11,964.52	225.02	1.60	447,402.11	839,766.90	32° 13' 34.680 N	103° 22' 5.746 W
Wolfcamp									
12,082.23	57.29	0.41	11,991.41	263.36	1.87	447,440.45	839,767.17	32° 13' 35.060 N	103° 22' 5.739 W
Wolfcamp A									
12,100.00	59.07	0.41	12,000.78	278.46	1.98	447,455.55	839,767.28	32° 13' 35.209 N	103° 22' 5.736 W
12,200.00	69.07	0.41	12,044.45	368.27	2.62	447,545.36	839,767.92	32° 13' 36.098 N	103° 22' 5.719 W
12,300.00	79.07	0.41	12,071.86	464.31	3.30	447,641.40	839,768.60	32° 13' 37.048 N	103° 22' 5.701 W
12,400.00	89.07	0.41	12,082.18	563.64	4.01	447,740.73	839,769.31	32° 13' 38.031 N	103° 22' 5.682 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,425.80	91.65	0.41	12,082.02	589.44	4.20	447,766.53	839,769.49	32° 13' 38.286 N	103° 22' 5.677 W
Start 9507.35 hold at 12425.80 MD									
12,500.00	91.65	0.41	12,079.88	663.61	4.72	447,840.70	839,770.02	32° 13' 39.020 N	103° 22' 5.664 W
12,600.00	91.65	0.41	12,077.00	763.56	5.43	447,940.65	839,770.73	32° 13' 40.009 N	103° 22' 5.645 W
12,700.00	91.65	0.41	12,074.12	863.52	6.15	448,040.61	839,771.44	32° 13' 40.998 N	103° 22' 5.626 W
12,800.00	91.65	0.41	12,071.24	963.48	6.86	448,140.57	839,772.16	32° 13' 41.987 N	103° 22' 5.607 W
12,900.00	91.65	0.41	12,068.37	1,063.43	7.57	448,240.52	839,772.87	32° 13' 42.976 N	103° 22' 5.589 W
13,000.00	91.65	0.41	12,065.49	1,163.39	8.28	448,340.48	839,773.58	32° 13' 43.965 N	103° 22' 5.570 W
13,100.00	91.65	0.41	12,062.61	1,263.34	8.99	448,440.43	839,774.29	32° 13' 44.954 N	103° 22' 5.551 W
13,200.00	91.65	0.41	12,059.73	1,363.30	9.70	448,540.39	839,775.00	32° 13' 45.943 N	103° 22' 5.532 W
13,300.00	91.65	0.41	12,056.85	1,463.26	10.41	448,640.34	839,775.71	32° 13' 46.932 N	103° 22' 5.514 W
13,400.00	91.65	0.41	12,053.97	1,563.21	11.13	448,740.30	839,776.42	32° 13' 47.921 N	103° 22' 5.495 W
13,500.00	91.65	0.41	12,051.09	1,663.17	11.84	448,840.26	839,777.14	32° 13' 48.910 N	103° 22' 5.476 W
13,600.00	91.65	0.41	12,048.21	1,763.13	12.55	448,940.21	839,777.85	32° 13' 49.898 N	103° 22' 5.457 W
13,700.00	91.65	0.41	12,045.33	1,863.08	13.26	449,040.17	839,778.56	32° 13' 50.887 N	103° 22' 5.439 W
13,800.00	91.65	0.41	12,042.45	1,963.04	13.97	449,140.12	839,779.27	32° 13' 51.876 N	103° 22' 5.420 W
13,900.00	91.65	0.41	12,039.57	2,062.99	14.68	449,240.08	839,779.98	32° 13' 52.865 N	103° 22' 5.401 W
14,000.00	91.65	0.41	12,036.69	2,162.95	15.39	449,340.03	839,780.69	32° 13' 53.854 N	103° 22' 5.383 W
14,100.00	91.65	0.41	12,033.81	2,262.91	16.11	449,439.99	839,781.40	32° 13' 54.843 N	103° 22' 5.364 W
14,200.00	91.65	0.41	12,030.93	2,362.86	16.82	449,539.95	839,782.12	32° 13' 55.832 N	103° 22' 5.345 W
14,300.00	91.65	0.41	12,028.05	2,462.82	17.53	449,639.90	839,782.83	32° 13' 56.821 N	103° 22' 5.326 W
14,400.00	91.65	0.41	12,025.17	2,562.77	18.24	449,739.86	839,783.54	32° 13' 57.810 N	103° 22' 5.308 W
14,500.00	91.65	0.41	12,022.30	2,662.73	18.95	449,839.81	839,784.25	32° 13' 58.799 N	103° 22' 5.289 W
14,600.00	91.65	0.41	12,019.42	2,762.69	19.66	449,939.77	839,784.96	32° 13' 59.788 N	103° 22' 5.270 W
14,700.00	91.65	0.41	12,016.54	2,862.64	20.37	450,039.73	839,785.67	32° 14' 0.777 N	103° 22' 5.251 W
14,800.00	91.65	0.41	12,013.66	2,962.60	21.09	450,139.68	839,786.38	32° 14' 1.766 N	103° 22' 5.233 W
14,900.00	91.65	0.41	12,010.78	3,062.55	21.80	450,239.64	839,787.10	32° 14' 2.755 N	103° 22' 5.214 W
15,000.00	91.65	0.41	12,007.90	3,162.51	22.51	450,339.59	839,787.81	32° 14' 3.744 N	103° 22' 5.195 W
15,100.00	91.65	0.41	12,005.02	3,262.47	23.22	450,439.55	839,788.52	32° 14' 4.733 N	103° 22' 5.176 W
15,200.00	91.65	0.41	12,002.14	3,362.42	23.93	450,539.50	839,789.23	32° 14' 5.722 N	103° 22' 5.158 W
15,300.00	91.65	0.41	11,999.26	3,462.38	24.64	450,639.46	839,789.94	32° 14' 6.711 N	103° 22' 5.139 W
15,400.00	91.65	0.41	11,996.38	3,562.33	25.35	450,739.42	839,790.65	32° 14' 7.700 N	103° 22' 5.120 W
15,500.00	91.65	0.41	11,993.50	3,662.29	26.06	450,839.37	839,791.36	32° 14' 8.689 N	103° 22' 5.101 W
15,600.00	91.65	0.41	11,990.62	3,762.25	26.78	450,939.33	839,792.08	32° 14' 9.678 N	103° 22' 5.083 W
15,700.00	91.65	0.41	11,987.74	3,862.20	27.49	451,039.28	839,792.79	32° 14' 10.667 N	103° 22' 5.064 W
15,800.00	91.65	0.41	11,984.86	3,962.16	28.20	451,139.24	839,793.50	32° 14' 11.656 N	103° 22' 5.045 W
15,900.00	91.65	0.41	11,981.98	4,062.11	28.91	451,239.20	839,794.21	32° 14' 12.645 N	103° 22' 5.026 W
16,000.00	91.65	0.41	11,979.10	4,162.07	29.62	451,339.15	839,794.92	32° 14' 13.634 N	103° 22' 5.008 W
16,100.00	91.65	0.41	11,976.22	4,262.03	30.33	451,439.11	839,795.63	32° 14' 14.623 N	103° 22' 4.989 W
16,200.00	91.65	0.41	11,973.35	4,361.98	31.04	451,539.06	839,796.34	32° 14' 15.612 N	103° 22' 4.970 W
16,300.00	91.65	0.41	11,970.47	4,461.94	31.76	451,639.02	839,797.05	32° 14' 16.601 N	103° 22' 4.952 W
16,400.00	91.65	0.41	11,967.59	4,561.89	32.47	451,738.97	839,797.77	32° 14' 17.589 N	103° 22' 4.933 W
16,500.00	91.65	0.41	11,964.71	4,661.85	33.18	451,838.93	839,798.48	32° 14' 18.578 N	103° 22' 4.914 W
16,600.00	91.65	0.41	11,961.83	4,761.81	33.89	451,938.89	839,799.19	32° 14' 19.567 N	103° 22' 4.895 W
16,700.00	91.65	0.41	11,958.95	4,861.76	34.60	452,038.84	839,799.90	32° 14' 20.556 N	103° 22' 4.877 W
16,800.00	91.65	0.41	11,956.07	4,961.72	35.31	452,138.80	839,800.61	32° 14' 21.545 N	103° 22' 4.858 W
16,900.00	91.65	0.41	11,953.19	5,061.67	36.02	452,238.75	839,801.32	32° 14' 22.534 N	103° 22' 4.839 W
17,000.00	91.65	0.41	11,950.31	5,161.63	36.74	452,338.71	839,802.03	32° 14' 23.523 N	103° 22' 4.820 W
17,100.00	91.65	0.41	11,947.43	5,261.59	37.45	452,438.66	839,802.75	32° 14' 24.512 N	103° 22' 4.802 W
17,200.00	91.65	0.41	11,944.55	5,361.54	38.16	452,538.62	839,803.46	32° 14' 25.501 N	103° 22' 4.783 W
17,300.00	91.65	0.41	11,941.67	5,461.50	38.87	452,638.58	839,804.17	32° 14' 26.490 N	103° 22' 4.764 W
17,400.00	91.65	0.41	11,938.79	5,561.45	39.58	452,738.53	839,804.88	32° 14' 27.479 N	103° 22' 4.745 W
17,500.00	91.65	0.41	11,935.91	5,661.41	40.29	452,838.49	839,805.59	32° 14' 28.468 N	103° 22' 4.727 W
17,600.00	91.65	0.41	11,933.03	5,761.37	41.00	452,938.44	839,806.30	32° 14' 29.457 N	103° 22' 4.708 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
17,700.00	91.65	0.41	11,930.15	5,861.32	41.72	453,038.40	839,807.01	32° 14' 30.446 N	103° 22' 4.689 W
17,800.00	91.65	0.41	11,927.28	5,961.28	42.43	453,138.36	839,807.73	32° 14' 31.435 N	103° 22' 4.670 W
17,900.00	91.65	0.41	11,924.40	6,061.23	43.14	453,238.31	839,808.44	32° 14' 32.424 N	103° 22' 4.652 W
18,000.00	91.65	0.41	11,921.52	6,161.19	43.85	453,338.27	839,809.15	32° 14' 33.413 N	103° 22' 4.633 W
18,100.00	91.65	0.41	11,918.64	6,261.15	44.56	453,438.22	839,809.86	32° 14' 34.402 N	103° 22' 4.614 W
18,200.00	91.65	0.41	11,915.76	6,361.10	45.27	453,538.18	839,810.57	32° 14' 35.391 N	103° 22' 4.595 W
18,300.00	91.65	0.41	11,912.88	6,461.06	45.98	453,638.13	839,811.28	32° 14' 36.380 N	103° 22' 4.577 W
18,400.00	91.65	0.41	11,910.00	6,561.01	46.70	453,738.09	839,811.99	32° 14' 37.369 N	103° 22' 4.558 W
18,500.00	91.65	0.41	11,907.12	6,660.97	47.41	453,838.05	839,812.71	32° 14' 38.358 N	103° 22' 4.539 W
18,600.00	91.65	0.41	11,904.24	6,760.93	48.12	453,938.00	839,813.42	32° 14' 39.347 N	103° 22' 4.520 W
18,700.00	91.65	0.41	11,901.36	6,860.88	48.83	454,037.96	839,814.13	32° 14' 40.336 N	103° 22' 4.502 W
18,800.00	91.65	0.41	11,898.48	6,960.84	49.54	454,137.91	839,814.84	32° 14' 41.325 N	103° 22' 4.483 W
18,900.00	91.65	0.41	11,895.60	7,060.79	50.25	454,237.87	839,815.55	32° 14' 42.314 N	103° 22' 4.464 W
19,000.00	91.65	0.41	11,892.72	7,160.75	50.96	454,337.83	839,816.26	32° 14' 43.302 N	103° 22' 4.445 W
19,100.00	91.65	0.41	11,889.84	7,260.71	51.68	454,437.78	839,816.97	32° 14' 44.291 N	103° 22' 4.427 W
19,200.00	91.65	0.41	11,886.96	7,360.66	52.39	454,537.74	839,817.69	32° 14' 45.280 N	103° 22' 4.408 W
19,300.00	91.65	0.41	11,884.08	7,460.62	53.10	454,637.69	839,818.40	32° 14' 46.269 N	103° 22' 4.389 W
19,400.00	91.65	0.41	11,881.20	7,560.57	53.81	454,737.65	839,819.11	32° 14' 47.258 N	103° 22' 4.370 W
19,500.00	91.65	0.41	11,878.33	7,660.53	54.52	454,837.60	839,819.82	32° 14' 48.247 N	103° 22' 4.352 W
19,600.00	91.65	0.41	11,875.45	7,760.49	55.23	454,937.56	839,820.53	32° 14' 49.236 N	103° 22' 4.333 W
19,700.00	91.65	0.41	11,872.57	7,860.44	55.94	455,037.52	839,821.24	32° 14' 50.225 N	103° 22' 4.314 W
19,800.00	91.65	0.41	11,869.69	7,960.40	56.65	455,137.47	839,821.95	32° 14' 51.214 N	103° 22' 4.295 W
19,900.00	91.65	0.41	11,866.81	8,060.35	57.37	455,237.43	839,822.67	32° 14' 52.203 N	103° 22' 4.277 W
20,000.00	91.65	0.41	11,863.93	8,160.31	58.08	455,337.38	839,823.38	32° 14' 53.192 N	103° 22' 4.258 W
20,100.00	91.65	0.41	11,861.05	8,260.27	58.79	455,437.34	839,824.09	32° 14' 54.181 N	103° 22' 4.239 W
20,200.00	91.65	0.41	11,858.17	8,360.22	59.50	455,537.29	839,824.80	32° 14' 55.170 N	103° 22' 4.220 W
20,300.00	91.65	0.41	11,855.29	8,460.18	60.21	455,637.25	839,825.51	32° 14' 56.159 N	103° 22' 4.202 W
20,400.00	91.65	0.41	11,852.41	8,560.13	60.92	455,737.21	839,826.22	32° 14' 57.148 N	103° 22' 4.183 W
20,500.00	91.65	0.41	11,849.53	8,660.09	61.63	455,837.16	839,826.93	32° 14' 58.137 N	103° 22' 4.164 W
20,600.00	91.65	0.41	11,846.65	8,760.05	62.35	455,937.12	839,827.64	32° 14' 59.126 N	103° 22' 4.145 W
20,700.00	91.65	0.41	11,843.77	8,860.00	63.06	456,037.07	839,828.36	32° 15' 0.115 N	103° 22' 4.127 W
20,800.00	91.65	0.41	11,840.89	8,959.96	63.77	456,137.03	839,829.07	32° 15' 1.104 N	103° 22' 4.108 W
20,900.00	91.65	0.41	11,838.01	9,059.91	64.48	456,236.99	839,829.78	32° 15' 2.093 N	103° 22' 4.089 W
21,000.00	91.65	0.41	11,835.13	9,159.87	65.19	456,336.94	839,830.49	32° 15' 3.082 N	103° 22' 4.070 W
21,100.00	91.65	0.41	11,832.25	9,259.83	65.90	456,436.90	839,831.20	32° 15' 4.071 N	103° 22' 4.052 W
21,200.00	91.65	0.41	11,829.38	9,359.78	66.61	456,536.85	839,831.91	32° 15' 5.060 N	103° 22' 4.033 W
21,300.00	91.65	0.41	11,826.50	9,459.74	67.33	456,636.81	839,832.62	32° 15' 6.049 N	103° 22' 4.014 W
21,400.00	91.65	0.41	11,823.62	9,559.69	68.04	456,736.76	839,833.34	32° 15' 7.038 N	103° 22' 3.995 W
21,500.00	91.65	0.41	11,820.74	9,659.65	68.75	456,836.72	839,834.05	32° 15' 8.027 N	103° 22' 3.977 W
21,600.00	91.65	0.41	11,817.86	9,759.61	69.46	456,936.68	839,834.76	32° 15' 9.015 N	103° 22' 3.958 W
21,700.00	91.65	0.41	11,814.98	9,859.56	70.17	457,036.63	839,835.47	32° 15' 10.004 N	103° 22' 3.939 W
21,800.00	91.65	0.41	11,812.10	9,959.52	70.88	457,136.59	839,836.18	32° 15' 10.993 N	103° 22' 3.920 W
21,900.00	91.65	0.41	11,809.22	10,059.47	71.59	457,236.54	839,836.89	32° 15' 11.982 N	103° 22' 3.902 W
21,933.15	91.65	0.41	11,808.27	10,092.61	71.83	457,269.68	839,837.13	32° 15' 12.310 N	103° 22' 3.896 W
TD at 21933.15 - Breckenridge 705H									

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 705H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3375' + RBK 21' @ 3396.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 705H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)		
- Shape									
Breckenridge 705H	0.00	0.00	11,808.27	10,092.61	71.83	457,269.68	839,837.13	32° 15' 12.310 N	103° 22' 3.896 W
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
21.00	21.00	Cenozoic Alluvium (surface)		-1.65	0.41	
974.00	974.00	Rustler		-1.65	0.41	
1,071.00	1,071.00	Salado		-1.65	0.41	
2,996.00	2,996.00	Base Salt		-1.65	0.41	
5,292.00	5,292.00	Lamar		-1.65	0.41	
5,396.00	5,396.00	Bell Canyon		-1.65	0.41	
6,302.00	6,302.00	Cherry Canyon		-1.65	0.41	
7,644.00	7,644.00	Brushy Canyon		-1.65	0.41	
8,953.00	8,953.00	Bone Spring Lime		-1.65	0.41	
8,979.00	8,979.00	Avalon		-1.65	0.41	
10,070.00	10,070.00	First Bone Spring Sand		-1.65	0.41	
10,238.00	10,238.00	Second Bone Spring Carbonates		-1.65	0.41	
10,645.00	10,645.00	Second Bone Spring Sand		-1.65	0.41	
11,169.00	11,169.00	Third Bone Spring Carbonates		-1.65	0.41	
11,611.28	11,610.74	Third Bone Spring Sand		-1.65	0.41	
12,035.39	11,964.52	Wolfcamp		-1.65	0.41	
12,082.23	11,991.41	Wolfcamp A		-1.65	0.41	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
		(ft)	(ft)	
11,509.30	11,509.30	0.00	0.00	Start Build 10.00
12,425.80	12,082.02	589.44	4.20	Start 9507.35 hold at 12425.80 MD
21,933.15	11,808.27	10,092.61	71.83	TD at 21933.15