

Golden - Breckenridge Site Breckenridge Fed Com 706H Wellbore #1 Plan #1



SURFACE LOCATION

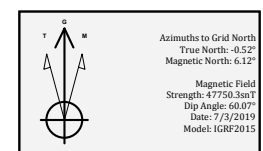
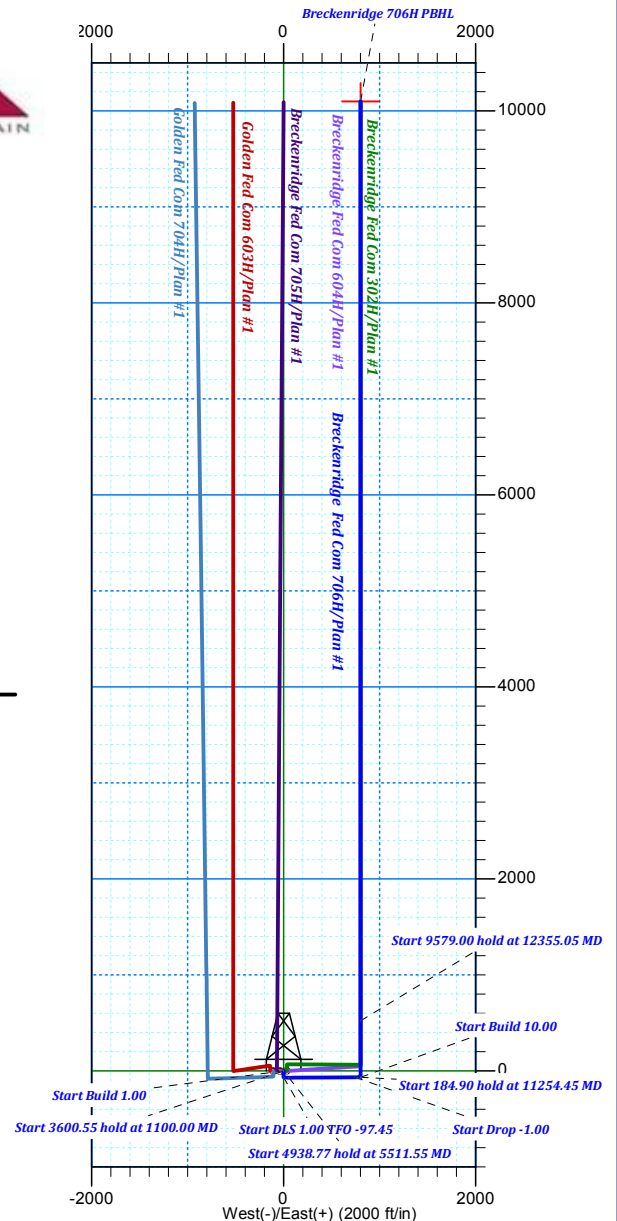
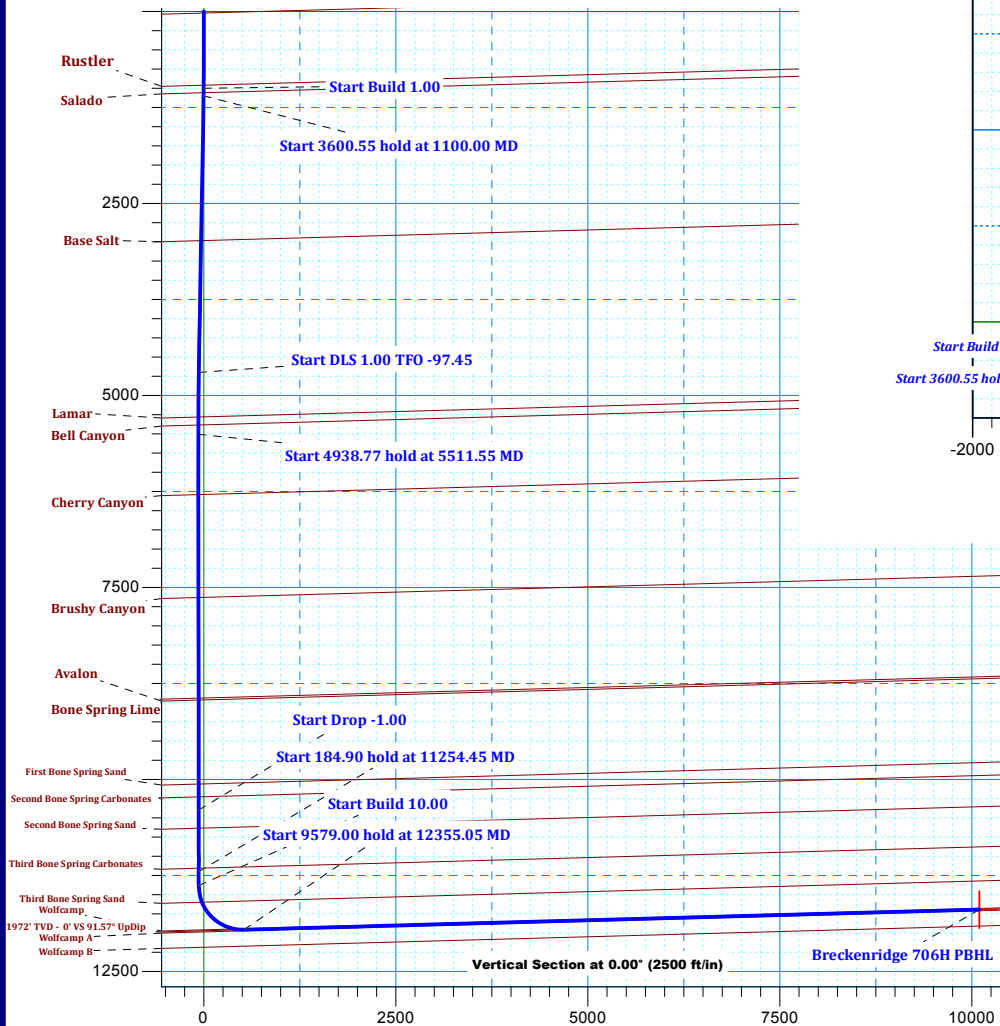
US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3375' + RBK 21' @ 3396.00ft

Northing	Easting	Latitude	Longitude	Slot
447177.71	839835.29	32° 13' 32.454 N	103° 22' 4.973 W	

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00
1100.00	1.00	180.00	1099.99	-0.87	0.00	1.00	180.00	-0.87
4700.55	1.00	180.00	4700.00	-63.71	0.00	0.00	0.00	-63.71
5511.55	8.04	89.59	5508.30	-70.39	56.82	1.00	-97.45	-70.39
10450.32	8.04	89.59	10398.51	-65.41	747.67	0.00	0.00	-65.41
11254.45	0.00	0.00	11200.00	-65.00	804.00	1.00	180.00	-65.00
11439.35	0.00	0.00	11384.90	-65.00	804.00	0.00	0.00	-65.00
12355.05	91.57	360.00	11957.65	523.65	803.98	10.00	360.00	523.65
21934.06	91.57	360.00	11695.20	10099.06	803.71	0.00	0.00	10099.06

Name	TVD	+N/-S	+E/-W	Northing	Easting
Breckenridge 706H PBHL	11695.20	10099.06	803.71	457276.75	840639.00



Franklin Mountain Energy

**Golden - Breckenridge Site
Lea County, NM (NAD 83)
Breckenridge Fed Com 706H**

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 706H
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 706H	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 706H					
Well Position	+N/-S	0.62 ft	Northing:	447,177.71 usft	Latitude:	32° 13' 32.454 N
	+E/-W	69.99 ft	Easting:	839,835.29 usft	Longitude:	103° 22' 4.973 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	47,750.29337949

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

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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	1.00	180.00	1,099.99	-0.87	0.00	1.00	1.00	0.00	180.00	
4,700.55	1.00	180.00	4,700.00	-63.71	0.00	0.00	0.00	0.00	0.00	
5,511.55	8.04	89.59	5,508.30	-70.39	56.82	1.00	0.87	-11.15	-97.45	
10,450.32	8.04	89.59	10,398.51	-65.41	747.67	0.00	0.00	0.00	0.00	
11,254.45	0.00	0.00	11,200.00	-65.00	804.00	1.00	-1.00	0.00	180.00	
11,439.35	0.00	0.00	11,384.90	-65.00	804.00	0.00	0.00	0.00	0.00	
12,355.05	91.57	360.00	11,957.65	523.65	803.98	10.00	10.00	0.00	360.00	
21,934.06	91.57	360.00	11,695.20	10,099.06	803.71	0.00	0.00	0.00	0.00	Breckenridge 706H P

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Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 706H	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
962.00	0.00	0.00	962.00	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
Start Build 1.00									
1,059.01	0.59	180.00	1,059.01	-0.30	0.00	-0.30	1.00	1.00	0.00
Salado									
1,100.00	1.00	180.00	1,099.99	-0.87	0.00	-0.87	1.00	1.00	0.00
Start 3600.55 hold at 1100.00 MD									
1,200.00	1.00	180.00	1,199.98	-2.62	0.00	-2.62	0.00	0.00	0.00
1,300.00	1.00	180.00	1,299.96	-4.36	0.00	-4.36	0.00	0.00	0.00
1,400.00	1.00	180.00	1,399.95	-6.11	0.00	-6.11	0.00	0.00	0.00
1,500.00	1.00	180.00	1,499.93	-7.85	0.00	-7.85	0.00	0.00	0.00
1,600.00	1.00	180.00	1,599.92	-9.60	0.00	-9.60	0.00	0.00	0.00
1,700.00	1.00	180.00	1,699.90	-11.34	0.00	-11.34	0.00	0.00	0.00
1,800.00	1.00	180.00	1,799.89	-13.09	0.00	-13.09	0.00	0.00	0.00
1,900.00	1.00	180.00	1,899.87	-14.83	0.00	-14.83	0.00	0.00	0.00
2,000.00	1.00	180.00	1,999.86	-16.58	0.00	-16.58	0.00	0.00	0.00
2,100.00	1.00	180.00	2,099.84	-18.33	0.00	-18.33	0.00	0.00	0.00
2,200.00	1.00	180.00	2,199.83	-20.07	0.00	-20.07	0.00	0.00	0.00
2,300.00	1.00	180.00	2,299.81	-21.82	0.00	-21.82	0.00	0.00	0.00
2,400.00	1.00	180.00	2,399.80	-23.56	0.00	-23.56	0.00	0.00	0.00
2,500.00	1.00	180.00	2,499.78	-25.31	0.00	-25.31	0.00	0.00	0.00
2,600.00	1.00	180.00	2,599.77	-27.05	0.00	-27.05	0.00	0.00	0.00
2,700.00	1.00	180.00	2,699.75	-28.80	0.00	-28.80	0.00	0.00	0.00
2,800.00	1.00	180.00	2,799.74	-30.54	0.00	-30.54	0.00	0.00	0.00
2,900.00	1.00	180.00	2,899.72	-32.29	0.00	-32.29	0.00	0.00	0.00
2,985.22	1.00	180.00	2,984.93	-33.77	0.00	-33.77	0.00	0.00	0.00
Base Salt									
3,000.00	1.00	180.00	2,999.71	-34.03	0.00	-34.03	0.00	0.00	0.00
3,100.00	1.00	180.00	3,099.69	-35.78	0.00	-35.78	0.00	0.00	0.00
3,200.00	1.00	180.00	3,199.68	-37.52	0.00	-37.52	0.00	0.00	0.00
3,300.00	1.00	180.00	3,299.66	-39.27	0.00	-39.27	0.00	0.00	0.00
3,400.00	1.00	180.00	3,399.64	-41.01	0.00	-41.01	0.00	0.00	0.00
3,500.00	1.00	180.00	3,499.63	-42.76	0.00	-42.76	0.00	0.00	0.00
3,600.00	1.00	180.00	3,599.61	-44.50	0.00	-44.50	0.00	0.00	0.00
3,700.00	1.00	180.00	3,699.60	-46.25	0.00	-46.25	0.00	0.00	0.00
3,800.00	1.00	180.00	3,799.58	-47.99	0.00	-47.99	0.00	0.00	0.00
3,900.00	1.00	180.00	3,899.57	-49.74	0.00	-49.74	0.00	0.00	0.00
4,000.00	1.00	180.00	3,999.55	-51.48	0.00	-51.48	0.00	0.00	0.00
4,100.00	1.00	180.00	4,099.54	-53.23	0.00	-53.23	0.00	0.00	0.00
4,200.00	1.00	180.00	4,199.52	-54.98	0.00	-54.98	0.00	0.00	0.00

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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)
4,300.00	1.00	180.00	4,299.51	-56.72	0.00	-56.72	0.00	0.00	0.00
4,400.00	1.00	180.00	4,399.49	-58.47	0.00	-58.47	0.00	0.00	0.00
4,500.00	1.00	180.00	4,499.48	-60.21	0.00	-60.21	0.00	0.00	0.00
4,600.00	1.00	180.00	4,599.46	-61.96	0.00	-61.96	0.00	0.00	0.00
4,700.00	1.00	180.00	4,699.45	-63.70	0.00	-63.70	0.00	0.00	0.00
4,700.55	1.00	180.00	4,700.00	-63.71	0.00	-63.71	0.00	0.00	0.00
Start DLS 1.00 TFO -97.45									
4,800.00	1.32	131.45	4,799.43	-65.33	0.86	-65.33	1.00	0.32	-48.82
4,900.00	2.11	110.54	4,899.38	-66.74	3.44	-66.74	1.00	0.80	-20.91
5,000.00	3.03	101.63	4,999.28	-67.92	7.76	-67.92	1.00	0.92	-8.92
5,100.00	3.99	96.92	5,099.09	-68.87	13.80	-68.87	1.00	0.96	-4.71
5,200.00	4.96	94.04	5,198.79	-69.60	21.57	-69.60	1.00	0.97	-2.88
5,283.50	5.79	92.39	5,281.92	-70.03	29.38	-70.03	1.00	0.98	-1.98
Lamar									
5,300.00	5.95	92.11	5,298.33	-70.09	31.06	-70.09	1.00	0.99	-1.66
5,388.14	6.82	90.87	5,385.93	-70.34	40.86	-70.34	1.00	0.99	-1.41
Bell Canyon									
5,400.00	6.94	90.73	5,397.70	-70.36	42.28	-70.36	1.00	0.99	-1.21
5,500.00	7.93	89.69	5,496.86	-70.40	55.21	-70.40	1.00	0.99	-1.04
5,511.55	8.04	89.59	5,508.30	-70.39	56.82	-70.39	1.00	0.99	-0.90
Start 4938.77 hold at 5511.55 MD									
5,600.00	8.04	89.59	5,595.88	-70.30	69.19	-70.30	0.00	0.00	0.00
5,700.00	8.04	89.59	5,694.89	-70.20	83.18	-70.20	0.00	0.00	0.00
5,800.00	8.04	89.59	5,793.91	-70.10	97.17	-70.10	0.00	0.00	0.00
5,900.00	8.04	89.59	5,892.93	-70.00	111.15	-70.00	0.00	0.00	0.00
6,000.00	8.04	89.59	5,991.95	-69.90	125.14	-69.90	0.00	0.00	0.00
6,100.00	8.04	89.59	6,090.96	-69.80	139.13	-69.80	0.00	0.00	0.00
6,200.00	8.04	89.59	6,189.98	-69.70	153.12	-69.70	0.00	0.00	0.00
6,300.00	8.04	89.59	6,289.00	-69.59	167.11	-69.59	0.00	0.00	0.00
6,302.94	8.04	89.59	6,291.91	-69.59	167.52	-69.59	0.00	0.00	0.00
Cherry Canyon									
6,400.00	8.04	89.59	6,388.01	-69.49	181.10	-69.49	0.00	0.00	0.00
6,500.00	8.04	89.59	6,487.03	-69.39	195.08	-69.39	0.00	0.00	0.00
6,600.00	8.04	89.59	6,586.05	-69.29	209.07	-69.29	0.00	0.00	0.00
6,700.00	8.04	89.59	6,685.06	-69.19	223.06	-69.19	0.00	0.00	0.00
6,800.00	8.04	89.59	6,784.08	-69.09	237.05	-69.09	0.00	0.00	0.00
6,900.00	8.04	89.59	6,883.10	-68.99	251.04	-68.99	0.00	0.00	0.00
7,000.00	8.04	89.59	6,982.11	-68.89	265.03	-68.89	0.00	0.00	0.00
7,100.00	8.04	89.59	7,081.13	-68.79	279.01	-68.79	0.00	0.00	0.00
7,200.00	8.04	89.59	7,180.15	-68.69	293.00	-68.69	0.00	0.00	0.00
7,300.00	8.04	89.59	7,279.16	-68.59	306.99	-68.59	0.00	0.00	0.00
7,400.00	8.04	89.59	7,378.18	-68.48	320.98	-68.48	0.00	0.00	0.00
7,500.00	8.04	89.59	7,477.20	-68.38	334.97	-68.38	0.00	0.00	0.00
7,600.00	8.04	89.59	7,576.21	-68.28	348.95	-68.28	0.00	0.00	0.00
7,658.23	8.04	89.59	7,633.87	-68.22	357.10	-68.22	0.00	0.00	0.00
Brushy Canyon									
7,700.00	8.04	89.59	7,675.23	-68.18	362.94	-68.18	0.00	0.00	0.00
7,800.00	8.04	89.59	7,774.25	-68.08	376.93	-68.08	0.00	0.00	0.00
7,900.00	8.04	89.59	7,873.26	-67.98	390.92	-67.98	0.00	0.00	0.00
8,000.00	8.04	89.59	7,972.28	-67.88	404.91	-67.88	0.00	0.00	0.00
8,100.00	8.04	89.59	8,071.30	-67.78	418.90	-67.78	0.00	0.00	0.00
8,200.00	8.04	89.59	8,170.31	-67.68	432.88	-67.68	0.00	0.00	0.00
8,300.00	8.04	89.59	8,269.33	-67.58	446.87	-67.58	0.00	0.00	0.00

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Wellbore:	Wellbore #1		
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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)
8,400.00	8.04	89.59	8,368.35	-67.48	460.86	-67.48	0.00	0.00	0.00
8,500.00	8.04	89.59	8,467.36	-67.38	474.85	-67.38	0.00	0.00	0.00
8,600.00	8.04	89.59	8,566.38	-67.27	488.84	-67.27	0.00	0.00	0.00
8,700.00	8.04	89.59	8,665.40	-67.17	502.83	-67.17	0.00	0.00	0.00
8,800.00	8.04	89.59	8,764.41	-67.07	516.81	-67.07	0.00	0.00	0.00
8,900.00	8.04	89.59	8,863.43	-66.97	530.80	-66.97	0.00	0.00	0.00
8,980.19	8.04	89.59	8,942.83	-66.89	542.02	-66.89	0.00	0.00	0.00
Bone Spring Lime									
9,000.00	8.04	89.59	8,962.45	-66.87	544.79	-66.87	0.00	0.00	0.00
9,006.45	8.04	89.59	8,968.83	-66.86	545.69	-66.86	0.00	0.00	0.00
Avalon									
9,100.00	8.04	89.59	9,061.46	-66.77	558.78	-66.77	0.00	0.00	0.00
9,200.00	8.04	89.59	9,160.48	-66.67	572.77	-66.67	0.00	0.00	0.00
9,300.00	8.04	89.59	9,259.50	-66.57	586.76	-66.57	0.00	0.00	0.00
9,400.00	8.04	89.59	9,358.52	-66.47	600.74	-66.47	0.00	0.00	0.00
9,500.00	8.04	89.59	9,457.53	-66.37	614.73	-66.37	0.00	0.00	0.00
9,600.00	8.04	89.59	9,556.55	-66.27	628.72	-66.27	0.00	0.00	0.00
9,700.00	8.04	89.59	9,655.57	-66.16	642.71	-66.16	0.00	0.00	0.00
9,800.00	8.04	89.59	9,754.58	-66.06	656.70	-66.06	0.00	0.00	0.00
9,900.00	8.04	89.59	9,853.60	-65.96	670.69	-65.96	0.00	0.00	0.00
10,000.00	8.04	89.59	9,952.62	-65.86	684.67	-65.86	0.00	0.00	0.00
10,100.00	8.04	89.59	10,051.63	-65.76	698.66	-65.76	0.00	0.00	0.00
10,108.25	8.04	89.59	10,059.80	-65.75	699.82	-65.75	0.00	0.00	0.00
First Bone Spring Sand									
10,200.00	8.04	89.59	10,150.65	-65.66	712.65	-65.66	0.00	0.00	0.00
10,277.91	8.04	89.59	10,227.80	-65.58	723.55	-65.58	0.00	0.00	0.00
Second Bone Spring Carbonates									
10,300.00	8.04	89.59	10,249.67	-65.56	726.64	-65.56	0.00	0.00	0.00
10,400.00	8.04	89.59	10,348.68	-65.46	740.63	-65.46	0.00	0.00	0.00
10,450.32	8.04	89.59	10,398.51	-65.41	747.67	-65.41	0.00	0.00	0.00
Start Drop -1.00									
10,500.00	7.54	89.59	10,447.73	-65.36	754.40	-65.36	1.00	-1.00	0.00
10,600.00	6.54	89.59	10,546.97	-65.27	766.66	-65.27	1.00	-1.00	0.00
10,688.32	5.66	89.59	10,634.79	-65.20	776.05	-65.20	1.00	-1.00	0.00
Second Bone Spring Sand									
10,700.00	5.54	89.59	10,646.42	-65.20	777.19	-65.20	1.00	-1.00	0.00
10,800.00	4.54	89.59	10,746.03	-65.13	785.99	-65.13	1.00	-1.00	0.00
10,900.00	3.54	89.59	10,845.78	-65.08	793.04	-65.08	1.00	-1.00	0.00
11,000.00	2.54	89.59	10,945.63	-65.04	798.35	-65.04	1.00	-1.00	0.00
11,100.00	1.54	89.59	11,045.57	-65.02	801.92	-65.02	1.00	-1.00	0.00
11,200.00	0.54	89.59	11,145.55	-65.00	803.74	-65.00	1.00	-1.00	0.00
11,213.23	0.41	89.59	11,158.78	-65.00	803.85	-65.00	1.00	-1.00	0.00
Third Bone Spring Carbonates									
11,254.45	0.00	0.00	11,200.00	-65.00	804.00	-65.00	1.00	-1.00	0.00
Start 184.90 hold at 11254.45 MD									
11,300.00	0.00	0.00	11,245.55	-65.00	804.00	-65.00	0.00	0.00	0.00
11,400.00	0.00	0.00	11,345.55	-65.00	804.00	-65.00	0.00	0.00	0.00
11,439.35	0.00	0.00	11,384.90	-65.00	804.00	-65.00	0.00	0.00	0.00
Start Build 10.00									
11,500.00	6.06	360.00	11,445.44	-61.80	804.00	-61.80	10.00	10.00	0.00
11,600.00	16.06	360.00	11,543.45	-42.63	804.00	-42.63	10.00	10.00	0.00
11,659.46	22.01	360.00	11,599.64	-23.24	804.00	-23.24	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 706H
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 706H	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)
Third Bone Spring Sand									
11,700.00	26.06	360.00	11,636.65	-6.73	804.00	-6.73	10.00	10.00	0.00
11,800.00	36.06	360.00	11,722.20	44.80	804.00	44.80	10.00	10.00	0.00
11,900.00	46.06	360.00	11,797.50	110.41	803.99	110.41	10.00	10.00	0.00
12,000.00	56.06	360.00	11,860.27	188.10	803.99	188.10	10.00	10.00	0.00
12,100.00	66.06	360.00	11,908.59	275.50	803.99	275.50	10.00	10.00	0.00
12,200.00	76.06	360.00	11,941.00	369.97	803.99	369.97	10.00	10.00	0.00
12,232.80	79.34	360.00	11,947.98	402.01	803.99	402.01	10.00	10.00	0.00
Wolfcamp									
12,300.00	86.06	360.00	11,956.51	468.63	803.98	468.63	10.00	10.00	0.00
12,355.05	91.57	360.00	11,957.65	523.65	803.98	523.65	10.00	10.00	0.00
Start 9579.00 hold at 12355.05 MD									
12,400.00	91.57	360.00	11,956.42	568.58	803.98	568.58	0.00	0.00	0.00
12,500.00	91.57	360.00	11,953.68	668.55	803.98	668.55	0.00	0.00	0.00
12,600.00	91.57	360.00	11,950.94	768.51	803.98	768.51	0.00	0.00	0.00
12,700.00	91.57	360.00	11,948.20	868.47	803.97	868.47	0.00	0.00	0.00
12,800.00	91.57	360.00	11,945.46	968.43	803.97	968.43	0.00	0.00	0.00
12,900.00	91.57	360.00	11,942.72	1,068.40	803.97	1,068.40	0.00	0.00	0.00
13,000.00	91.57	360.00	11,939.98	1,168.36	803.96	1,168.36	0.00	0.00	0.00
13,100.00	91.57	360.00	11,937.24	1,268.32	803.96	1,268.32	0.00	0.00	0.00
13,200.00	91.57	360.00	11,934.50	1,368.28	803.96	1,368.28	0.00	0.00	0.00
13,300.00	91.57	360.00	11,931.76	1,468.25	803.96	1,468.25	0.00	0.00	0.00
13,400.00	91.57	360.00	11,929.02	1,568.21	803.95	1,568.21	0.00	0.00	0.00
13,500.00	91.57	360.00	11,926.28	1,668.17	803.95	1,668.17	0.00	0.00	0.00
13,600.00	91.57	360.00	11,923.54	1,768.13	803.95	1,768.13	0.00	0.00	0.00
13,700.00	91.57	360.00	11,920.80	1,868.10	803.95	1,868.10	0.00	0.00	0.00
13,800.00	91.57	360.00	11,918.06	1,968.06	803.94	1,968.06	0.00	0.00	0.00
13,900.00	91.57	360.00	11,915.32	2,068.02	803.94	2,068.02	0.00	0.00	0.00
14,000.00	91.57	360.00	11,912.58	2,167.98	803.94	2,167.98	0.00	0.00	0.00
14,100.00	91.57	360.00	11,909.84	2,267.95	803.93	2,267.95	0.00	0.00	0.00
14,200.00	91.57	360.00	11,907.10	2,367.91	803.93	2,367.91	0.00	0.00	0.00
14,300.00	91.57	360.00	11,904.36	2,467.87	803.93	2,467.87	0.00	0.00	0.00
14,400.00	91.57	360.00	11,901.62	2,567.83	803.93	2,567.83	0.00	0.00	0.00
14,500.00	91.57	360.00	11,898.88	2,667.80	803.92	2,667.80	0.00	0.00	0.00
14,600.00	91.57	360.00	11,896.14	2,767.76	803.92	2,767.76	0.00	0.00	0.00
14,700.00	91.57	360.00	11,893.40	2,867.72	803.92	2,867.72	0.00	0.00	0.00
14,800.00	91.57	360.00	11,890.66	2,967.68	803.91	2,967.68	0.00	0.00	0.00
14,900.00	91.57	360.00	11,887.92	3,067.65	803.91	3,067.65	0.00	0.00	0.00
15,000.00	91.57	360.00	11,885.18	3,167.61	803.91	3,167.61	0.00	0.00	0.00
15,100.00	91.57	360.00	11,882.44	3,267.57	803.91	3,267.57	0.00	0.00	0.00
15,200.00	91.57	360.00	11,879.70	3,367.53	803.90	3,367.53	0.00	0.00	0.00
15,300.00	91.57	360.00	11,876.96	3,467.49	803.90	3,467.49	0.00	0.00	0.00
15,400.00	91.57	360.00	11,874.22	3,567.46	803.90	3,567.46	0.00	0.00	0.00
15,500.00	91.57	360.00	11,871.48	3,667.42	803.89	3,667.42	0.00	0.00	0.00
15,600.00	91.57	360.00	11,868.74	3,767.38	803.89	3,767.38	0.00	0.00	0.00
15,700.00	91.57	360.00	11,866.00	3,867.34	803.89	3,867.34	0.00	0.00	0.00
15,800.00	91.57	360.00	11,863.26	3,967.31	803.89	3,967.31	0.00	0.00	0.00
15,900.00	91.57	360.00	11,860.52	4,067.27	803.88	4,067.27	0.00	0.00	0.00
16,000.00	91.57	360.00	11,857.78	4,167.23	803.88	4,167.23	0.00	0.00	0.00
16,100.00	91.57	360.00	11,855.04	4,267.19	803.88	4,267.19	0.00	0.00	0.00
16,200.00	91.57	360.00	11,852.30	4,367.16	803.87	4,367.16	0.00	0.00	0.00
16,300.00	91.57	360.00	11,849.56	4,467.12	803.87	4,467.12	0.00	0.00	0.00
16,400.00	91.57	360.00	11,846.82	4,567.08	803.87	4,567.08	0.00	0.00	0.00

Planning Report

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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 706H	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)
16,500.00	91.57	360.00	11,844.08	4,667.04	803.87	4,667.04	0.00	0.00	0.00
16,600.00	91.57	360.00	11,841.34	4,767.01	803.86	4,767.01	0.00	0.00	0.00
16,700.00	91.57	360.00	11,838.60	4,866.97	803.86	4,866.97	0.00	0.00	0.00
16,800.00	91.57	360.00	11,835.86	4,966.93	803.86	4,966.93	0.00	0.00	0.00
16,900.00	91.57	360.00	11,833.12	5,066.89	803.85	5,066.89	0.00	0.00	0.00
17,000.00	91.57	360.00	11,830.38	5,166.86	803.85	5,166.86	0.00	0.00	0.00
17,100.00	91.57	360.00	11,827.64	5,266.82	803.85	5,266.82	0.00	0.00	0.00
17,200.00	91.57	360.00	11,824.90	5,366.78	803.85	5,366.78	0.00	0.00	0.00
17,300.00	91.57	360.00	11,822.16	5,466.74	803.84	5,466.74	0.00	0.00	0.00
17,400.00	91.57	360.00	11,819.42	5,566.71	803.84	5,566.71	0.00	0.00	0.00
17,500.00	91.57	360.00	11,816.68	5,666.67	803.84	5,666.67	0.00	0.00	0.00
17,600.00	91.57	360.00	11,813.94	5,766.63	803.83	5,766.63	0.00	0.00	0.00
17,700.00	91.57	360.00	11,811.20	5,866.59	803.83	5,866.59	0.00	0.00	0.00
17,800.00	91.57	360.00	11,808.47	5,966.56	803.83	5,966.56	0.00	0.00	0.00
17,900.00	91.57	360.00	11,805.73	6,066.52	803.83	6,066.52	0.00	0.00	0.00
18,000.00	91.57	360.00	11,802.99	6,166.48	803.82	6,166.48	0.00	0.00	0.00
18,100.00	91.57	360.00	11,800.25	6,266.44	803.82	6,266.44	0.00	0.00	0.00
18,200.00	91.57	360.00	11,797.51	6,366.41	803.82	6,366.41	0.00	0.00	0.00
18,300.00	91.57	360.00	11,794.77	6,466.37	803.81	6,466.37	0.00	0.00	0.00
18,400.00	91.57	360.00	11,792.03	6,566.33	803.81	6,566.33	0.00	0.00	0.00
18,500.00	91.57	360.00	11,789.29	6,666.29	803.81	6,666.29	0.00	0.00	0.00
18,600.00	91.57	360.00	11,786.55	6,766.26	803.81	6,766.26	0.00	0.00	0.00
18,700.00	91.57	360.00	11,783.81	6,866.22	803.80	6,866.22	0.00	0.00	0.00
18,800.00	91.57	360.00	11,781.07	6,966.18	803.80	6,966.18	0.00	0.00	0.00
18,900.00	91.57	360.00	11,778.33	7,066.14	803.80	7,066.14	0.00	0.00	0.00
19,000.00	91.57	360.00	11,775.59	7,166.11	803.79	7,166.11	0.00	0.00	0.00
19,100.00	91.57	360.00	11,772.85	7,266.07	803.79	7,266.07	0.00	0.00	0.00
19,200.00	91.57	360.00	11,770.11	7,366.03	803.79	7,366.03	0.00	0.00	0.00
19,300.00	91.57	360.00	11,767.37	7,465.99	803.79	7,465.99	0.00	0.00	0.00
19,400.00	91.57	360.00	11,764.63	7,565.96	803.78	7,565.96	0.00	0.00	0.00
19,500.00	91.57	360.00	11,761.89	7,665.92	803.78	7,665.92	0.00	0.00	0.00
19,600.00	91.57	360.00	11,759.15	7,765.88	803.78	7,765.88	0.00	0.00	0.00
19,700.00	91.57	360.00	11,756.41	7,865.84	803.77	7,865.84	0.00	0.00	0.00
19,800.00	91.57	360.00	11,753.67	7,965.81	803.77	7,965.81	0.00	0.00	0.00
19,900.00	91.57	360.00	11,750.93	8,065.77	803.77	8,065.77	0.00	0.00	0.00
20,000.00	91.57	360.00	11,748.19	8,165.73	803.77	8,165.73	0.00	0.00	0.00
20,100.00	91.57	360.00	11,745.45	8,265.69	803.76	8,265.69	0.00	0.00	0.00
20,200.00	91.57	360.00	11,742.71	8,365.66	803.76	8,365.66	0.00	0.00	0.00
20,300.00	91.57	360.00	11,739.97	8,465.62	803.76	8,465.62	0.00	0.00	0.00
20,400.00	91.57	360.00	11,737.23	8,565.58	803.76	8,565.58	0.00	0.00	0.00
20,500.00	91.57	360.00	11,734.49	8,665.54	803.75	8,665.54	0.00	0.00	0.00
20,600.00	91.57	360.00	11,731.75	8,765.51	803.75	8,765.51	0.00	0.00	0.00
20,700.00	91.57	360.00	11,729.01	8,865.47	803.75	8,865.47	0.00	0.00	0.00
20,800.00	91.57	360.00	11,726.27	8,965.43	803.74	8,965.43	0.00	0.00	0.00
20,900.00	91.57	360.00	11,723.53	9,065.39	803.74	9,065.39	0.00	0.00	0.00
21,000.00	91.57	360.00	11,720.79	9,165.36	803.74	9,165.36	0.00	0.00	0.00
21,100.00	91.57	360.00	11,718.05	9,265.32	803.74	9,265.32	0.00	0.00	0.00
21,200.00	91.57	360.00	11,715.31	9,365.28	803.73	9,365.28	0.00	0.00	0.00
21,300.00	91.57	360.00	11,712.57	9,465.24	803.73	9,465.24	0.00	0.00	0.00
21,400.00	91.57	360.00	11,709.83	9,565.21	803.73	9,565.21	0.00	0.00	0.00
21,500.00	91.57	360.00	11,707.09	9,665.17	803.72	9,665.17	0.00	0.00	0.00
21,600.00	91.57	360.00	11,704.35	9,765.13	803.72	9,765.13	0.00	0.00	0.00
21,700.00	91.57	360.00	11,701.61	9,865.09	803.72	9,865.09	0.00	0.00	0.00
21,800.00	91.57	360.00	11,698.87	9,965.05	803.72	9,965.05	0.00	0.00	0.00

Planning Report

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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 706H	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)
21,900.00	91.57	360.00	11,696.13	10,065.02	803.71	10,065.02	0.00	0.00	0.00
21,934.06	91.57	360.00	11,695.20	10,099.06	803.71	10,099.06	0.00	0.00	0.00
TD at 21934.06 - Breckenridge 706H PBHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Breckenridge 706H PBH	0.00	0.01	11,695.20	10,099.06	803.71	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 W
- plan hits target center									
- Point									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
21.00	21.00	Cenozoic Alluvium (surface)		-1.57	0.00
962.00	962.00	Rustler		-1.57	0.00
1,059.01	1,059.01	Salado		-1.57	0.00
2,985.22	2,984.93	Base Salt		-1.57	0.00
5,283.50	5,281.92	Lamar		-1.57	0.00
5,388.14	5,385.93	Bell Canyon		-1.57	0.00
6,302.94	6,291.91	Cherry Canyon		-1.57	0.00
7,658.23	7,633.87	Brushy Canyon		-1.57	0.00
8,980.19	8,942.83	Bone Spring Lime		-1.57	0.00
9,006.45	8,968.83	Avalon		-1.57	0.00
10,108.25	10,059.80	First Bone Spring Sand		-1.57	0.00
10,277.91	10,227.80	Second Bone Spring Carbonates		-1.57	0.00
10,688.32	10,634.79	Second Bone Spring Sand		-1.57	0.00
11,213.23	11,158.78	Third Bone Spring Carbonates		-1.57	0.00
11,659.46	11,599.64	Third Bone Spring Sand		-1.57	0.00
12,232.80	11,947.98	Wolfcamp		-1.57	0.00

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
1,000.00	1,000.00	0.00	0.00	Start Build 1.00
1,100.00	1,099.99	-0.87	0.00	Start 3600.55 hold at 1100.00 MD
4,700.55	4,700.00	-63.71	0.00	Start DLS 1.00 TFO -97.45
5,511.55	5,508.30	-70.39	56.82	Start 4938.77 hold at 5511.55 MD
10,450.32	10,398.51	-65.41	747.67	Start Drop -1.00
11,254.45	11,200.00	-65.00	804.00	Start 184.90 hold at 11254.45 MD
11,439.35	11,384.90	-65.00	804.00	Start Build 10.00
12,355.05	11,957.65	523.65	803.98	Start 9579.00 hold at 12355.05 MD
21,934.06	11,695.20	10,099.06	803.71	TD at 21934.06

Franklin Mountain Energy

**Golden - Breckenridge Site
Lea County, NM (NAD 83)
Breckenridge Fed Com 706H**

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 706H
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 706H	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 706H					
Well Position	+N/-S	0.00 ft	Northing:	447,177.71 usft	Latitude:	32° 13' 32.454 N
	+E/-W	0.00 ft	Easting:	839,835.29 usft	Longitude:	103° 22' 4.973 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	47,750.29337949

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	0.00

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	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	1.00	180.00	1,099.99	-0.87	0.00	1.00	1.00	0.00	180.00	
4,700.55	1.00	180.00	4,700.00	-63.71	0.00	0.00	0.00	0.00	0.00	
5,511.55	8.04	89.59	5,508.30	-70.39	56.82	1.00	0.87	-11.15	-97.45	
10,450.32	8.04	89.59	10,398.51	-65.41	747.67	0.00	0.00	0.00	0.00	
11,254.45	0.00	0.00	11,200.00	-65.00	804.00	1.00	-1.00	0.00	180.00	
11,439.35	0.00	0.00	11,384.90	-65.00	804.00	0.00	0.00	0.00	0.00	
12,355.05	91.57	360.00	11,957.65	523.65	803.98	10.00	10.00	0.00	360.00	
21,934.06	91.57	360.00	11,695.20	10,099.06	803.71	0.00	0.00	0.00	0.00	Breckenridge 706H P

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 706H
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 706H	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	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
21.00	0.00	0.00	21.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
200.00	0.00	0.00	200.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
300.00	0.00	0.00	300.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
400.00	0.00	0.00	400.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
500.00	0.00	0.00	500.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
600.00	0.00	0.00	600.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
700.00	0.00	0.00	700.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
800.00	0.00	0.00	800.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
900.00	0.00	0.00	900.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
962.00	0.00	0.00	962.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	447,177.71	839,835.29	32° 13' 32.454 N	103° 22' 4.973 W
Start Build 1.00									
1,059.01	0.59	180.00	1,059.01	-0.30	0.00	447,177.41	839,835.29	32° 13' 32.451 N	103° 22' 4.973 W
Salado									
1,100.00	1.00	180.00	1,099.99	-0.87	0.00	447,176.84	839,835.29	32° 13' 32.445 N	103° 22' 4.973 W
Start 3600.55 hold at 1100.00 MD									
1,200.00	1.00	180.00	1,199.98	-2.62	0.00	447,175.09	839,835.29	32° 13' 32.428 N	103° 22' 4.973 W
1,300.00	1.00	180.00	1,299.96	-4.36	0.00	447,173.35	839,835.29	32° 13' 32.411 N	103° 22' 4.974 W
1,400.00	1.00	180.00	1,399.95	-6.11	0.00	447,171.60	839,835.29	32° 13' 32.394 N	103° 22' 4.974 W
1,500.00	1.00	180.00	1,499.93	-7.85	0.00	447,169.86	839,835.29	32° 13' 32.376 N	103° 22' 4.974 W
1,600.00	1.00	180.00	1,599.92	-9.60	0.00	447,168.11	839,835.29	32° 13' 32.359 N	103° 22' 4.974 W
1,700.00	1.00	180.00	1,699.90	-11.34	0.00	447,166.37	839,835.29	32° 13' 32.342 N	103° 22' 4.974 W
1,800.00	1.00	180.00	1,799.89	-13.09	0.00	447,164.62	839,835.29	32° 13' 32.325 N	103° 22' 4.975 W
1,900.00	1.00	180.00	1,899.87	-14.83	0.00	447,162.88	839,835.29	32° 13' 32.307 N	103° 22' 4.975 W
2,000.00	1.00	180.00	1,999.86	-16.58	0.00	447,161.13	839,835.29	32° 13' 32.290 N	103° 22' 4.975 W
2,100.00	1.00	180.00	2,099.84	-18.33	0.00	447,159.38	839,835.29	32° 13' 32.273 N	103° 22' 4.975 W
2,200.00	1.00	180.00	2,199.83	-20.07	0.00	447,157.64	839,835.29	32° 13' 32.255 N	103° 22' 4.975 W
2,300.00	1.00	180.00	2,299.81	-21.82	0.00	447,155.89	839,835.29	32° 13' 32.238 N	103° 22' 4.975 W
2,400.00	1.00	180.00	2,399.80	-23.56	0.00	447,154.15	839,835.29	32° 13' 32.221 N	103° 22' 4.976 W
2,500.00	1.00	180.00	2,499.78	-25.31	0.00	447,152.40	839,835.29	32° 13' 32.204 N	103° 22' 4.976 W
2,600.00	1.00	180.00	2,599.77	-27.05	0.00	447,150.66	839,835.29	32° 13' 32.186 N	103° 22' 4.976 W
2,700.00	1.00	180.00	2,699.75	-28.80	0.00	447,148.91	839,835.29	32° 13' 32.169 N	103° 22' 4.976 W
2,800.00	1.00	180.00	2,799.74	-30.54	0.00	447,147.17	839,835.29	32° 13' 32.152 N	103° 22' 4.976 W
2,900.00	1.00	180.00	2,899.72	-32.29	0.00	447,145.42	839,835.29	32° 13' 32.135 N	103° 22' 4.977 W
2,985.22	1.00	180.00	2,984.93	-33.77	0.00	447,143.94	839,835.29	32° 13' 32.120 N	103° 22' 4.977 W
Base Salt									
3,000.00	1.00	180.00	2,999.71	-34.03	0.00	447,143.68	839,835.29	32° 13' 32.117 N	103° 22' 4.977 W
3,100.00	1.00	180.00	3,099.69	-35.78	0.00	447,141.93	839,835.29	32° 13' 32.100 N	103° 22' 4.977 W
3,200.00	1.00	180.00	3,199.68	-37.52	0.00	447,140.19	839,835.29	32° 13' 32.083 N	103° 22' 4.977 W
3,300.00	1.00	180.00	3,299.66	-39.27	0.00	447,138.44	839,835.29	32° 13' 32.066 N	103° 22' 4.977 W
3,400.00	1.00	180.00	3,399.64	-41.01	0.00	447,136.70	839,835.29	32° 13' 32.048 N	103° 22' 4.977 W
3,500.00	1.00	180.00	3,499.63	-42.76	0.00	447,134.95	839,835.29	32° 13' 32.031 N	103° 22' 4.978 W
3,600.00	1.00	180.00	3,599.61	-44.50	0.00	447,133.21	839,835.29	32° 13' 32.014 N	103° 22' 4.978 W
3,700.00	1.00	180.00	3,699.60	-46.25	0.00	447,131.46	839,835.29	32° 13' 31.996 N	103° 22' 4.978 W
3,800.00	1.00	180.00	3,799.58	-47.99	0.00	447,129.72	839,835.29	32° 13' 31.979 N	103° 22' 4.978 W
3,900.00	1.00	180.00	3,899.57	-49.74	0.00	447,127.97	839,835.29	32° 13' 31.962 N	103° 22' 4.978 W
4,000.00	1.00	180.00	3,999.55	-51.48	0.00	447,126.23	839,835.29	32° 13' 31.945 N	103° 22' 4.979 W
4,100.00	1.00	180.00	4,099.54	-53.23	0.00	447,124.48	839,835.29	32° 13' 31.927 N	103° 22' 4.979 W
4,200.00	1.00	180.00	4,199.52	-54.98	0.00	447,122.74	839,835.29	32° 13' 31.910 N	103° 22' 4.979 W
4,300.00	1.00	180.00	4,299.51	-56.72	0.00	447,120.99	839,835.29	32° 13' 31.893 N	103° 22' 4.979 W

Planning Report - Geographic

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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 706H	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
4,400.00	1.00	180.00	4,399.49	-58.47	0.00	447,119.24	839,835.29	32° 13' 31.876 N	103° 22' 4.979 W
4,500.00	1.00	180.00	4,499.48	-60.21	0.00	447,117.50	839,835.29	32° 13' 31.858 N	103° 22' 4.979 W
4,600.00	1.00	180.00	4,599.46	-61.96	0.00	447,115.75	839,835.29	32° 13' 31.841 N	103° 22' 4.980 W
4,700.00	1.00	180.00	4,699.45	-63.70	0.00	447,114.01	839,835.29	32° 13' 31.824 N	103° 22' 4.980 W
4,700.55	1.00	180.00	4,700.00	-63.71	0.00	447,114.00	839,835.29	32° 13' 31.824 N	103° 22' 4.980 W
Start DLS 1.00 TFO -97.45									
4,800.00	1.32	131.45	4,799.43	-65.33	0.86	447,112.38	839,836.14	32° 13' 31.808 N	103° 22' 4.970 W
4,900.00	2.11	110.54	4,899.38	-66.74	3.44	447,110.97	839,838.73	32° 13' 31.793 N	103° 22' 4.940 W
5,000.00	3.03	101.63	4,999.28	-67.92	7.76	447,109.79	839,843.05	32° 13' 31.781 N	103° 22' 4.890 W
5,100.00	3.99	96.92	5,099.09	-68.87	13.80	447,108.84	839,849.09	32° 13' 31.771 N	103° 22' 4.820 W
5,200.00	4.96	94.04	5,198.79	-69.60	21.57	447,108.11	839,856.86	32° 13' 31.763 N	103° 22' 4.729 W
5,283.50	5.79	92.39	5,281.92	-70.03	29.38	447,107.68	839,864.67	32° 13' 31.759 N	103° 22' 4.638 W
Lamar									
5,300.00	5.95	92.11	5,298.33	-70.09	31.06	447,107.62	839,866.35	32° 13' 31.758 N	103° 22' 4.619 W
5,388.14	6.82	90.87	5,385.93	-70.34	40.86	447,107.37	839,876.15	32° 13' 31.754 N	103° 22' 4.505 W
Bell Canyon									
5,400.00	6.94	90.73	5,397.70	-70.36	42.28	447,107.35	839,877.57	32° 13' 31.754 N	103° 22' 4.488 W
5,500.00	7.93	89.69	5,496.86	-70.40	55.21	447,107.31	839,890.50	32° 13' 31.753 N	103° 22' 4.338 W
5,511.55	8.04	89.59	5,508.30	-70.39	56.82	447,107.32	839,892.11	32° 13' 31.753 N	103° 22' 4.319 W
Start 4938.77 hold at 5511.55 MD									
5,600.00	8.04	89.59	5,595.88	-70.30	69.19	447,107.41	839,904.48	32° 13' 31.752 N	103° 22' 4.175 W
5,700.00	8.04	89.59	5,694.89	-70.20	83.18	447,107.51	839,918.47	32° 13' 31.752 N	103° 22' 4.012 W
5,800.00	8.04	89.59	5,793.91	-70.10	97.17	447,107.61	839,932.45	32° 13' 31.752 N	103° 22' 3.849 W
5,900.00	8.04	89.59	5,892.93	-70.00	111.15	447,107.71	839,946.44	32° 13' 31.752 N	103° 22' 3.687 W
6,000.00	8.04	89.59	5,991.95	-69.90	125.14	447,107.81	839,960.43	32° 13' 31.751 N	103° 22' 3.524 W
6,100.00	8.04	89.59	6,090.96	-69.80	139.13	447,107.91	839,974.42	32° 13' 31.751 N	103° 22' 3.361 W
6,200.00	8.04	89.59	6,189.98	-69.70	153.12	447,108.01	839,988.41	32° 13' 31.751 N	103° 22' 3.198 W
6,300.00	8.04	89.59	6,289.00	-69.59	167.11	447,108.12	840,002.40	32° 13' 31.751 N	103° 22' 3.035 W
6,302.94	8.04	89.59	6,291.91	-69.59	167.52	447,108.12	840,002.81	32° 13' 31.751 N	103° 22' 3.030 W
Cherry Canyon									
6,400.00	8.04	89.59	6,388.01	-69.49	181.10	447,108.22	840,016.38	32° 13' 31.750 N	103° 22' 2.872 W
6,500.00	8.04	89.59	6,487.03	-69.39	195.08	447,108.32	840,030.37	32° 13' 31.750 N	103° 22' 2.710 W
6,600.00	8.04	89.59	6,586.05	-69.29	209.07	447,108.42	840,044.36	32° 13' 31.750 N	103° 22' 2.547 W
6,700.00	8.04	89.59	6,685.06	-69.19	223.06	447,108.52	840,058.35	32° 13' 31.750 N	103° 22' 2.384 W
6,800.00	8.04	89.59	6,784.08	-69.09	237.05	447,108.62	840,072.34	32° 13' 31.749 N	103° 22' 2.221 W
6,900.00	8.04	89.59	6,883.10	-68.99	251.04	447,108.72	840,086.33	32° 13' 31.749 N	103° 22' 2.058 W
7,000.00	8.04	89.59	6,982.11	-68.89	265.03	447,108.82	840,100.31	32° 13' 31.749 N	103° 22' 1.895 W
7,100.00	8.04	89.59	7,081.13	-68.79	279.01	447,108.92	840,114.30	32° 13' 31.749 N	103° 22' 1.733 W
7,200.00	8.04	89.59	7,180.15	-68.69	293.00	447,109.02	840,128.29	32° 13' 31.748 N	103° 22' 1.570 W
7,300.00	8.04	89.59	7,279.16	-68.59	306.99	447,109.12	840,142.28	32° 13' 31.748 N	103° 22' 1.407 W
7,400.00	8.04	89.59	7,378.18	-68.48	320.98	447,109.23	840,156.27	32° 13' 31.748 N	103° 22' 1.244 W
7,500.00	8.04	89.59	7,477.20	-68.38	334.97	447,109.33	840,170.25	32° 13' 31.748 N	103° 22' 1.081 W
7,600.00	8.04	89.59	7,576.21	-68.28	348.95	447,109.43	840,184.24	32° 13' 31.747 N	103° 22' 0.918 W
7,658.23	8.04	89.59	7,633.87	-68.22	357.10	447,109.49	840,192.39	32° 13' 31.747 N	103° 22' 0.824 W
Brushy Canyon									
7,700.00	8.04	89.59	7,675.23	-68.18	362.94	447,109.53	840,198.23	32° 13' 31.747 N	103° 22' 0.756 W
7,800.00	8.04	89.59	7,774.25	-68.08	376.93	447,109.63	840,212.22	32° 13' 31.747 N	103° 22' 0.593 W
7,900.00	8.04	89.59	7,873.26	-67.98	390.92	447,109.73	840,226.21	32° 13' 31.747 N	103° 22' 0.430 W
8,000.00	8.04	89.59	7,972.28	-67.88	404.91	447,109.83	840,240.20	32° 13' 31.746 N	103° 22' 0.267 W
8,100.00	8.04	89.59	8,071.30	-67.78	418.90	447,109.93	840,254.18	32° 13' 31.746 N	103° 22' 0.104 W
8,200.00	8.04	89.59	8,170.31	-67.68	432.88	447,110.03	840,268.17	32° 13' 31.746 N	103° 21' 59.941 W
8,300.00	8.04	89.59	8,269.33	-67.58	446.87	447,110.13	840,282.16	32° 13' 31.746 N	103° 21' 59.778 W
8,400.00	8.04	89.59	8,368.35	-67.48	460.86	447,110.23	840,296.15	32° 13' 31.745 N	103° 21' 59.616 W
8,500.00	8.04	89.59	8,467.36	-67.38	474.85	447,110.33	840,310.14	32° 13' 31.745 N	103° 21' 59.453 W

Planning Report - Geographic

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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 706H	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
8,600.00	8.04	89.59	8,566.38	-67.27	488.84	447,110.44	840,324.13	32° 13' 31.745 N	103° 21' 59.290 W
8,700.00	8.04	89.59	8,665.40	-67.17	502.83	447,110.54	840,338.11	32° 13' 31.745 N	103° 21' 59.127 W
8,800.00	8.04	89.59	8,764.41	-67.07	516.81	447,110.64	840,352.10	32° 13' 31.744 N	103° 21' 58.964 W
8,900.00	8.04	89.59	8,863.43	-66.97	530.80	447,110.74	840,366.09	32° 13' 31.744 N	103° 21' 58.801 W
8,980.19	8.04	89.59	8,942.83	-66.89	542.02	447,110.82	840,377.31	32° 13' 31.744 N	103° 21' 58.671 W
Bone Spring Lime									
9,000.00	8.04	89.59	8,962.45	-66.87	544.79	447,110.84	840,380.08	32° 13' 31.744 N	103° 21' 58.639 W
9,006.45	8.04	89.59	8,968.83	-66.86	545.69	447,110.85	840,380.98	32° 13' 31.744 N	103° 21' 58.628 W
Avalon									
9,100.00	8.04	89.59	9,061.46	-66.77	558.78	447,110.94	840,394.07	32° 13' 31.744 N	103° 21' 58.476 W
9,200.00	8.04	89.59	9,160.48	-66.67	572.77	447,111.04	840,408.05	32° 13' 31.743 N	103° 21' 58.313 W
9,300.00	8.04	89.59	9,259.50	-66.57	586.76	447,111.14	840,422.04	32° 13' 31.743 N	103° 21' 58.150 W
9,400.00	8.04	89.59	9,358.52	-66.47	600.74	447,111.24	840,436.03	32° 13' 31.743 N	103° 21' 57.987 W
9,500.00	8.04	89.59	9,457.53	-66.37	614.73	447,111.34	840,450.02	32° 13' 31.743 N	103° 21' 57.824 W
9,600.00	8.04	89.59	9,556.55	-66.27	628.72	447,111.44	840,464.01	32° 13' 31.742 N	103° 21' 57.662 W
9,700.00	8.04	89.59	9,655.57	-66.16	642.71	447,111.55	840,478.00	32° 13' 31.742 N	103° 21' 57.499 W
9,800.00	8.04	89.59	9,754.58	-66.06	656.70	447,111.65	840,491.98	32° 13' 31.742 N	103° 21' 57.336 W
9,900.00	8.04	89.59	9,853.60	-65.96	670.69	447,111.75	840,505.97	32° 13' 31.742 N	103° 21' 57.173 W
10,000.00	8.04	89.59	9,952.62	-65.86	684.67	447,111.85	840,519.96	32° 13' 31.741 N	103° 21' 57.010 W
10,100.00	8.04	89.59	10,051.63	-65.76	698.66	447,111.95	840,533.95	32° 13' 31.741 N	103° 21' 56.847 W
10,108.25	8.04	89.59	10,059.80	-65.75	699.82	447,111.96	840,535.10	32° 13' 31.741 N	103° 21' 56.834 W
First Bone Spring Sand									
10,200.00	8.04	89.59	10,150.65	-65.66	712.65	447,112.05	840,547.94	32° 13' 31.741 N	103° 21' 56.685 W
10,277.91	8.04	89.59	10,227.80	-65.58	723.55	447,112.13	840,558.84	32° 13' 31.741 N	103° 21' 56.558 W
Second Bone Spring Carbonates									
10,300.00	8.04	89.59	10,249.67	-65.56	726.64	447,112.15	840,561.93	32° 13' 31.741 N	103° 21' 56.522 W
10,400.00	8.04	89.59	10,348.68	-65.46	740.63	447,112.25	840,575.91	32° 13' 31.740 N	103° 21' 56.359 W
10,450.32	8.04	89.59	10,398.51	-65.41	747.67	447,112.30	840,582.95	32° 13' 31.740 N	103° 21' 56.277 W
Start Drop -1.00									
10,500.00	7.54	89.59	10,447.73	-65.36	754.40	447,112.35	840,589.69	32° 13' 31.740 N	103° 21' 56.199 W
10,600.00	6.54	89.59	10,546.97	-65.27	766.66	447,112.44	840,601.95	32° 13' 31.740 N	103° 21' 56.056 W
10,688.32	5.66	89.59	10,634.79	-65.20	776.05	447,112.51	840,611.34	32° 13' 31.740 N	103° 21' 55.946 W
Second Bone Spring Sand									
10,700.00	5.54	89.59	10,646.42	-65.20	777.19	447,112.52	840,612.48	32° 13' 31.740 N	103° 21' 55.933 W
10,800.00	4.54	89.59	10,746.03	-65.13	785.99	447,112.58	840,621.27	32° 13' 31.740 N	103° 21' 55.831 W
10,900.00	3.54	89.59	10,845.78	-65.08	793.04	447,112.63	840,628.33	32° 13' 31.740 N	103° 21' 55.749 W
11,000.00	2.54	89.59	10,945.63	-65.04	798.35	447,112.67	840,633.64	32° 13' 31.739 N	103° 21' 55.687 W
11,100.00	1.54	89.59	11,045.57	-65.02	801.92	447,112.69	840,637.21	32° 13' 31.739 N	103° 21' 55.645 W
11,200.00	0.54	89.59	11,145.55	-65.00	803.74	447,112.71	840,639.03	32° 13' 31.739 N	103° 21' 55.624 W
11,213.23	0.41	89.59	11,158.78	-65.00	803.85	447,112.71	840,639.14	32° 13' 31.739 N	103° 21' 55.623 W
Third Bone Spring Carbonates									
11,254.45	0.00	0.00	11,200.00	-65.00	804.00	447,112.71	840,639.29	32° 13' 31.739 N	103° 21' 55.621 W
Start 184.90 hold at 11254.45 MD									
11,300.00	0.00	0.00	11,245.55	-65.00	804.00	447,112.71	840,639.29	32° 13' 31.739 N	103° 21' 55.621 W
11,400.00	0.00	0.00	11,345.55	-65.00	804.00	447,112.71	840,639.29	32° 13' 31.739 N	103° 21' 55.621 W
11,439.35	0.00	0.00	11,384.90	-65.00	804.00	447,112.71	840,639.29	32° 13' 31.739 N	103° 21' 55.621 W
Start Build 10.00									
11,500.00	6.06	360.00	11,445.44	-61.80	804.00	447,115.92	840,639.29	32° 13' 31.771 N	103° 21' 55.621 W
11,600.00	16.06	360.00	11,543.45	-42.63	804.00	447,135.08	840,639.29	32° 13' 31.961 N	103° 21' 55.619 W
11,659.46	22.01	360.00	11,599.64	-23.24	804.00	447,154.47	840,639.29	32° 13' 32.153 N	103° 21' 55.617 W
Third Bone Spring Sand									
11,700.00	26.06	360.00	11,636.65	-6.73	804.00	447,170.98	840,639.29	32° 13' 32.316 N	103° 21' 55.615 W
11,800.00	36.06	360.00	11,722.20	44.80	804.00	447,222.51	840,639.28	32° 13' 32.826 N	103° 21' 55.610 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 706H
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 706H	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
11,900.00	46.06	360.00	11,797.50	110.41	803.99	447,288.12	840,639.28	32° 13' 33.475 N	103° 21' 55.603 W
12,000.00	56.06	360.00	11,860.27	188.10	803.99	447,365.81	840,639.28	32° 13' 34.244 N	103° 21' 55.595 W
12,100.00	66.06	360.00	11,908.59	275.50	803.99	447,453.21	840,639.28	32° 13' 35.108 N	103° 21' 55.586 W
12,200.00	76.06	360.00	11,941.00	369.97	803.99	447,547.68	840,639.27	32° 13' 36.043 N	103° 21' 55.576 W
12,232.80	79.34	360.00	11,947.98	402.01	803.99	447,579.72	840,639.27	32° 13' 36.360 N	103° 21' 55.572 W
Wolfcamp									
12,300.00	86.06	360.00	11,956.51	468.63	803.98	447,646.34	840,639.27	32° 13' 37.019 N	103° 21' 55.565 W
12,355.05	91.57	360.00	11,957.65	523.65	803.98	447,701.36	840,639.27	32° 13' 37.564 N	103° 21' 55.560 W
Start 9579.00 hold at 12355.05 MD									
12,400.00	91.57	360.00	11,956.42	568.58	803.98	447,746.29	840,639.27	32° 13' 38.008 N	103° 21' 55.555 W
12,500.00	91.57	360.00	11,953.68	668.55	803.98	447,846.25	840,639.27	32° 13' 38.997 N	103° 21' 55.544 W
12,600.00	91.57	360.00	11,950.94	768.51	803.98	447,946.22	840,639.26	32° 13' 39.987 N	103° 21' 55.534 W
12,700.00	91.57	360.00	11,948.20	868.47	803.97	448,046.18	840,639.26	32° 13' 40.976 N	103° 21' 55.524 W
12,800.00	91.57	360.00	11,945.46	968.43	803.97	448,146.14	840,639.26	32° 13' 41.965 N	103° 21' 55.513 W
12,900.00	91.57	360.00	11,942.72	1,068.40	803.97	448,246.10	840,639.25	32° 13' 42.954 N	103° 21' 55.503 W
13,000.00	91.57	360.00	11,939.98	1,168.36	803.96	448,346.07	840,639.25	32° 13' 43.943 N	103° 21' 55.492 W
13,100.00	91.57	360.00	11,937.24	1,268.32	803.96	448,446.03	840,639.25	32° 13' 44.932 N	103° 21' 55.482 W
13,200.00	91.57	360.00	11,934.50	1,368.28	803.96	448,545.99	840,639.25	32° 13' 45.921 N	103° 21' 55.471 W
13,300.00	91.57	360.00	11,931.76	1,468.25	803.96	448,645.95	840,639.24	32° 13' 46.910 N	103° 21' 55.461 W
13,400.00	91.57	360.00	11,929.02	1,568.21	803.95	448,745.91	840,639.24	32° 13' 47.899 N	103° 21' 55.450 W
13,500.00	91.57	360.00	11,926.28	1,668.17	803.95	448,845.88	840,639.24	32° 13' 48.888 N	103° 21' 55.440 W
13,600.00	91.57	360.00	11,923.54	1,768.13	803.95	448,945.84	840,639.24	32° 13' 49.877 N	103° 21' 55.430 W
13,700.00	91.57	360.00	11,920.80	1,868.10	803.95	449,045.80	840,639.23	32° 13' 50.867 N	103° 21' 55.419 W
13,800.00	91.57	360.00	11,918.06	1,968.06	803.94	449,145.76	840,639.23	32° 13' 51.856 N	103° 21' 55.409 W
13,900.00	91.57	360.00	11,915.32	2,068.02	803.94	449,245.73	840,639.23	32° 13' 52.845 N	103° 21' 55.398 W
14,000.00	91.57	360.00	11,912.58	2,167.98	803.94	449,345.69	840,639.22	32° 13' 53.834 N	103° 21' 55.388 W
14,100.00	91.57	360.00	11,909.84	2,267.95	803.93	449,445.65	840,639.22	32° 13' 54.823 N	103° 21' 55.377 W
14,200.00	91.57	360.00	11,907.10	2,367.91	803.93	449,545.61	840,639.22	32° 13' 55.812 N	103° 21' 55.367 W
14,300.00	91.57	360.00	11,904.36	2,467.87	803.93	449,645.58	840,639.22	32° 13' 56.801 N	103° 21' 55.356 W
14,400.00	91.57	360.00	11,901.62	2,567.83	803.93	449,745.54	840,639.21	32° 13' 57.790 N	103° 21' 55.346 W
14,500.00	91.57	360.00	11,898.88	2,667.80	803.92	449,845.50	840,639.21	32° 13' 58.779 N	103° 21' 55.335 W
14,600.00	91.57	360.00	11,896.14	2,767.76	803.92	449,945.46	840,639.21	32° 13' 59.768 N	103° 21' 55.325 W
14,700.00	91.57	360.00	11,893.40	2,867.72	803.92	450,045.42	840,639.20	32° 14' 0.757 N	103° 21' 55.315 W
14,800.00	91.57	360.00	11,890.66	2,967.68	803.91	450,145.39	840,639.20	32° 14' 1.747 N	103° 21' 55.304 W
14,900.00	91.57	360.00	11,887.92	3,067.65	803.91	450,245.35	840,639.20	32° 14' 2.736 N	103° 21' 55.294 W
15,000.00	91.57	360.00	11,885.18	3,167.61	803.91	450,345.31	840,639.20	32° 14' 3.725 N	103° 21' 55.283 W
15,100.00	91.57	360.00	11,882.44	3,267.57	803.91	450,445.27	840,639.19	32° 14' 4.714 N	103° 21' 55.273 W
15,200.00	91.57	360.00	11,879.70	3,367.53	803.90	450,545.24	840,639.19	32° 14' 5.703 N	103° 21' 55.262 W
15,300.00	91.57	360.00	11,876.96	3,467.49	803.90	450,645.20	840,639.19	32° 14' 6.692 N	103° 21' 55.252 W
15,400.00	91.57	360.00	11,874.22	3,567.46	803.90	450,745.16	840,639.18	32° 14' 7.681 N	103° 21' 55.241 W
15,500.00	91.57	360.00	11,871.48	3,667.42	803.89	450,845.12	840,639.18	32° 14' 8.670 N	103° 21' 55.231 W
15,600.00	91.57	360.00	11,868.74	3,767.38	803.89	450,945.08	840,639.18	32° 14' 9.659 N	103° 21' 55.220 W
15,700.00	91.57	360.00	11,866.00	3,867.34	803.89	451,045.05	840,639.18	32° 14' 10.648 N	103° 21' 55.210 W
15,800.00	91.57	360.00	11,863.26	3,967.31	803.89	451,145.01	840,639.17	32° 14' 11.637 N	103° 21' 55.200 W
15,900.00	91.57	360.00	11,860.52	4,067.27	803.88	451,244.97	840,639.17	32° 14' 12.627 N	103° 21' 55.189 W
16,000.00	91.57	360.00	11,857.78	4,167.23	803.88	451,344.93	840,639.17	32° 14' 13.616 N	103° 21' 55.179 W
16,100.00	91.57	360.00	11,855.04	4,267.19	803.88	451,444.90	840,639.16	32° 14' 14.605 N	103° 21' 55.168 W
16,200.00	91.57	360.00	11,852.30	4,367.16	803.87	451,544.86	840,639.16	32° 14' 15.594 N	103° 21' 55.158 W
16,300.00	91.57	360.00	11,849.56	4,467.12	803.87	451,644.82	840,639.16	32° 14' 16.583 N	103° 21' 55.147 W
16,400.00	91.57	360.00	11,846.82	4,567.08	803.87	451,744.78	840,639.16	32° 14' 17.572 N	103° 21' 55.137 W
16,500.00	91.57	360.00	11,844.08	4,667.04	803.87	451,844.75	840,639.15	32° 14' 18.561 N	103° 21' 55.126 W
16,600.00	91.57	360.00	11,841.34	4,767.01	803.86	451,944.71	840,639.15	32° 14' 19.550 N	103° 21' 55.116 W
16,700.00	91.57	360.00	11,838.60	4,866.97	803.86	452,044.67	840,639.15	32° 14' 20.539 N	103° 21' 55.105 W
16,800.00	91.57	360.00	11,835.86	4,966.93	803.86	452,144.63	840,639.14	32° 14' 21.528 N	103° 21' 55.095 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 706H
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 706H	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
16,900.00	91.57	360.00	11,833.12	5,066.89	803.85	452,244.59	840,639.14	32° 14' 22.517 N	103° 21' 55.085 W
17,000.00	91.57	360.00	11,830.38	5,166.86	803.85	452,344.56	840,639.14	32° 14' 23.507 N	103° 21' 55.074 W
17,100.00	91.57	360.00	11,827.64	5,266.82	803.85	452,444.52	840,639.14	32° 14' 24.496 N	103° 21' 55.064 W
17,200.00	91.57	360.00	11,824.90	5,366.78	803.85	452,544.48	840,639.13	32° 14' 25.485 N	103° 21' 55.053 W
17,300.00	91.57	360.00	11,822.16	5,466.74	803.84	452,644.44	840,639.13	32° 14' 26.474 N	103° 21' 55.043 W
17,400.00	91.57	360.00	11,819.42	5,566.71	803.84	452,744.41	840,639.13	32° 14' 27.463 N	103° 21' 55.032 W
17,500.00	91.57	360.00	11,816.68	5,666.67	803.84	452,844.37	840,639.12	32° 14' 28.452 N	103° 21' 55.022 W
17,600.00	91.57	360.00	11,813.94	5,766.63	803.83	452,944.33	840,639.12	32° 14' 29.441 N	103° 21' 55.011 W
17,700.00	91.57	360.00	11,811.20	5,866.59	803.83	453,044.29	840,639.12	32° 14' 30.430 N	103° 21' 55.001 W
17,800.00	91.57	360.00	11,808.47	5,966.56	803.83	453,144.25	840,639.12	32° 14' 31.419 N	103° 21' 54.990 W
17,900.00	91.57	360.00	11,805.73	6,066.52	803.83	453,244.22	840,639.11	32° 14' 32.408 N	103° 21' 54.980 W
18,000.00	91.57	360.00	11,802.99	6,166.48	803.82	453,344.18	840,639.11	32° 14' 33.397 N	103° 21' 54.969 W
18,100.00	91.57	360.00	11,800.25	6,266.44	803.82	453,444.14	840,639.11	32° 14' 34.387 N	103° 21' 54.959 W
18,200.00	91.57	360.00	11,797.51	6,366.41	803.82	453,544.10	840,639.10	32° 14' 35.376 N	103° 21' 54.949 W
18,300.00	91.57	360.00	11,794.77	6,466.37	803.81	453,644.07	840,639.10	32° 14' 36.365 N	103° 21' 54.938 W
18,400.00	91.57	360.00	11,792.03	6,566.33	803.81	453,744.03	840,639.10	32° 14' 37.354 N	103° 21' 54.928 W
18,500.00	91.57	360.00	11,789.29	6,666.29	803.81	453,843.99	840,639.10	32° 14' 38.343 N	103° 21' 54.917 W
18,600.00	91.57	360.00	11,786.55	6,766.26	803.81	453,943.95	840,639.09	32° 14' 39.332 N	103° 21' 54.907 W
18,700.00	91.57	360.00	11,783.81	6,866.22	803.80	454,043.91	840,639.09	32° 14' 40.321 N	103° 21' 54.896 W
18,800.00	91.57	360.00	11,781.07	6,966.18	803.80	454,143.88	840,639.09	32° 14' 41.310 N	103° 21' 54.886 W
18,900.00	91.57	360.00	11,778.33	7,066.14	803.80	454,243.84	840,639.08	32° 14' 42.299 N	103° 21' 54.875 W
19,000.00	91.57	360.00	11,775.59	7,166.11	803.79	454,343.80	840,639.08	32° 14' 43.288 N	103° 21' 54.865 W
19,100.00	91.57	360.00	11,772.85	7,266.07	803.79	454,443.76	840,639.08	32° 14' 44.277 N	103° 21' 54.854 W
19,200.00	91.57	360.00	11,770.11	7,366.03	803.79	454,543.73	840,639.08	32° 14' 45.266 N	103° 21' 54.844 W
19,300.00	91.57	360.00	11,767.37	7,465.99	803.79	454,643.69	840,639.07	32° 14' 46.256 N	103° 21' 54.834 W
19,400.00	91.57	360.00	11,764.63	7,565.96	803.78	454,743.65	840,639.07	32° 14' 47.245 N	103° 21' 54.823 W
19,500.00	91.57	360.00	11,761.89	7,665.92	803.78	454,843.61	840,639.07	32° 14' 48.234 N	103° 21' 54.813 W
19,600.00	91.57	360.00	11,759.15	7,765.88	803.78	454,943.58	840,639.06	32° 14' 49.223 N	103° 21' 54.802 W
19,700.00	91.57	360.00	11,756.41	7,865.84	803.77	455,043.54	840,639.06	32° 14' 50.212 N	103° 21' 54.792 W
19,800.00	91.57	360.00	11,753.67	7,965.81	803.77	455,143.50	840,639.06	32° 14' 51.201 N	103° 21' 54.781 W
19,900.00	91.57	360.00	11,750.93	8,065.77	803.77	455,243.46	840,639.06	32° 14' 52.190 N	103° 21' 54.771 W
20,000.00	91.57	360.00	11,748.19	8,165.73	803.77	455,343.42	840,639.05	32° 14' 53.179 N	103° 21' 54.760 W
20,100.00	91.57	360.00	11,745.45	8,265.69	803.76	455,443.39	840,639.05	32° 14' 54.168 N	103° 21' 54.750 W
20,200.00	91.57	360.00	11,742.71	8,365.66	803.76	455,543.35	840,639.05	32° 14' 55.157 N	103° 21' 54.739 W
20,300.00	91.57	360.00	11,739.97	8,465.62	803.76	455,643.31	840,639.05	32° 14' 56.146 N	103° 21' 54.729 W
20,400.00	91.57	360.00	11,737.23	8,565.58	803.76	455,743.27	840,639.04	32° 14' 57.136 N	103° 21' 54.718 W
20,500.00	91.57	360.00	11,734.49	8,665.54	803.75	455,843.24	840,639.04	32° 14' 58.125 N	103° 21' 54.708 W
20,600.00	91.57	360.00	11,731.75	8,765.51	803.75	455,943.20	840,639.04	32° 14' 59.114 N	103° 21' 54.698 W
20,700.00	91.57	360.00	11,729.01	8,865.47	803.75	456,043.16	840,639.03	32° 15' 0.103 N	103° 21' 54.687 W
20,800.00	91.57	360.00	11,726.27	8,965.43	803.74	456,143.12	840,639.03	32° 15' 1.092 N	103° 21' 54.677 W
20,900.00	91.57	360.00	11,723.53	9,065.39	803.74	456,243.08	840,639.03	32° 15' 2.081 N	103° 21' 54.666 W
21,000.00	91.57	360.00	11,720.79	9,165.36	803.74	456,343.05	840,639.03	32° 15' 3.070 N	103° 21' 54.656 W
21,100.00	91.57	360.00	11,718.05	9,265.32	803.74	456,443.01	840,639.02	32° 15' 4.059 N	103° 21' 54.645 W
21,200.00	91.57	360.00	11,715.31	9,365.28	803.73	456,542.97	840,639.02	32° 15' 5.048 N	103° 21' 54.635 W
21,300.00	91.57	360.00	11,712.57	9,465.24	803.73	456,642.93	840,639.02	32° 15' 6.037 N	103° 21' 54.624 W
21,400.00	91.57	360.00	11,709.83	9,565.21	803.73	456,742.90	840,639.01	32° 15' 7.026 N	103° 21' 54.614 W
21,500.00	91.57	360.00	11,707.09	9,665.17	803.72	456,842.86	840,639.01	32° 15' 8.016 N	103° 21' 54.603 W
21,600.00	91.57	360.00	11,704.35	9,765.13	803.72	456,942.82	840,639.01	32° 15' 9.005 N	103° 21' 54.593 W
21,700.00	91.57	360.00	11,701.61	9,865.09	803.72	457,042.78	840,639.01	32° 15' 9.994 N	103° 21' 54.582 W
21,800.00	91.57	360.00	11,698.87	9,965.05	803.72	457,142.74	840,639.00	32° 15' 10.983 N	103° 21' 54.572 W
21,900.00	91.57	360.00	11,696.13	10,065.02	803.71	457,242.71	840,639.00	32° 15' 11.972 N	103° 21' 54.561 W
21,934.06	91.57	360.00	11,695.20	10,099.06	803.71	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 W
TD at 21934.06 - Breckenridge 706H PBHL									

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 706H
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 706H	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 706H PBH	0.00	0.01	11,695.20	10,099.06	803.71	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 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)		-1.57	0.00	
962.00	962.00	Rustler		-1.57	0.00	
1,059.01	1,059.01	Salado		-1.57	0.00	
2,985.22	2,984.93	Base Salt		-1.57	0.00	
5,283.50	5,281.92	Lamar		-1.57	0.00	
5,388.14	5,385.93	Bell Canyon		-1.57	0.00	
6,302.94	6,291.91	Cherry Canyon		-1.57	0.00	
7,658.23	7,633.87	Brushy Canyon		-1.57	0.00	
8,980.19	8,942.83	Bone Spring Lime		-1.57	0.00	
9,006.45	8,968.83	Avalon		-1.57	0.00	
10,108.25	10,059.80	First Bone Spring Sand		-1.57	0.00	
10,277.91	10,227.80	Second Bone Spring Carbonates		-1.57	0.00	
10,688.32	10,634.79	Second Bone Spring Sand		-1.57	0.00	
11,213.23	11,158.78	Third Bone Spring Carbonates		-1.57	0.00	
11,659.46	11,599.64	Third Bone Spring Sand		-1.57	0.00	
12,232.80	11,947.98	Wolfcamp		-1.57	0.00	

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
1,000.00	1,000.00	0.00	0.00	Start Build 1.00	
1,100.00	1,099.99	-0.87	0.00	Start 3600.55 hold at 1100.00 MD	
4,700.55	4,700.00	-63.71	0.00	Start DLS 1.00 TFO -97.45	
5,511.55	5,508.30	-70.39	56.82	Start 4938.77 hold at 5511.55 MD	
10,450.32	10,398.51	-65.41	747.67	Start Drop -1.00	
11,254.45	11,200.00	-65.00	804.00	Start 184.90 hold at 11254.45 MD	
11,439.35	11,384.90	-65.00	804.00	Start Build 10.00	
12,355.05	11,957.65	523.65	803.98	Start 9579.00 hold at 12355.05 MD	
21,934.06	11,695.20	10,099.06	803.71	TD at 21934.06	