

Golden - Breckenridge Site Breckenridge Fed Com 302H Wellbore #1 Plan #1



SURFACE LOCATION

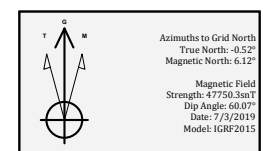
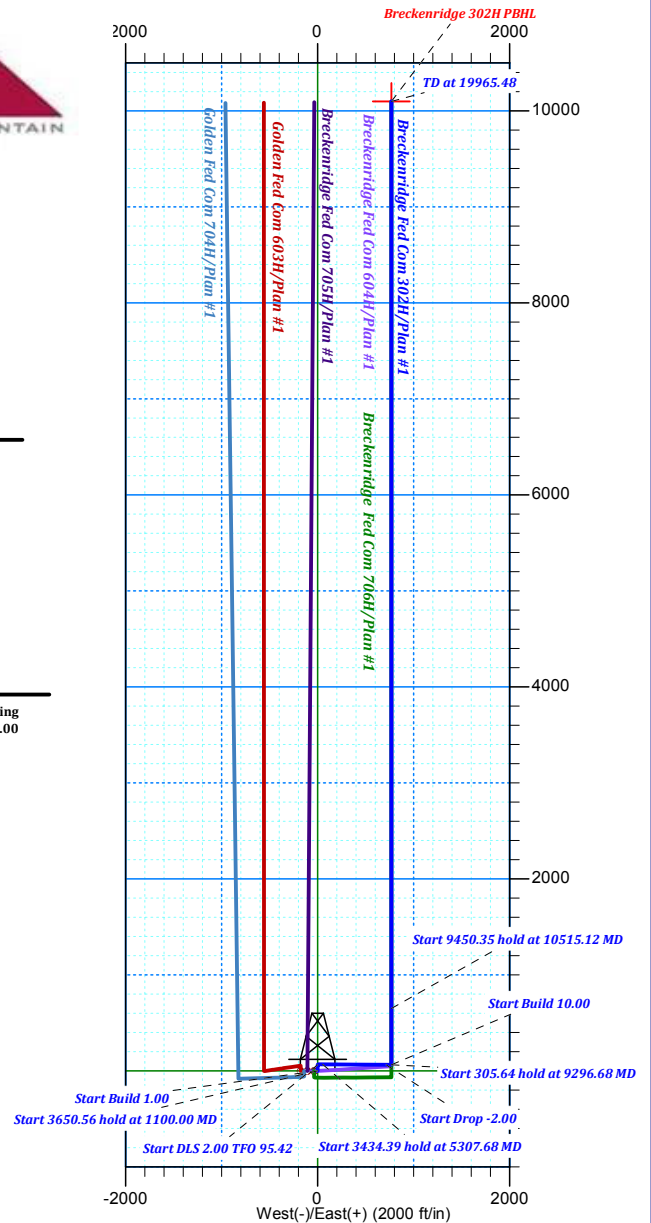
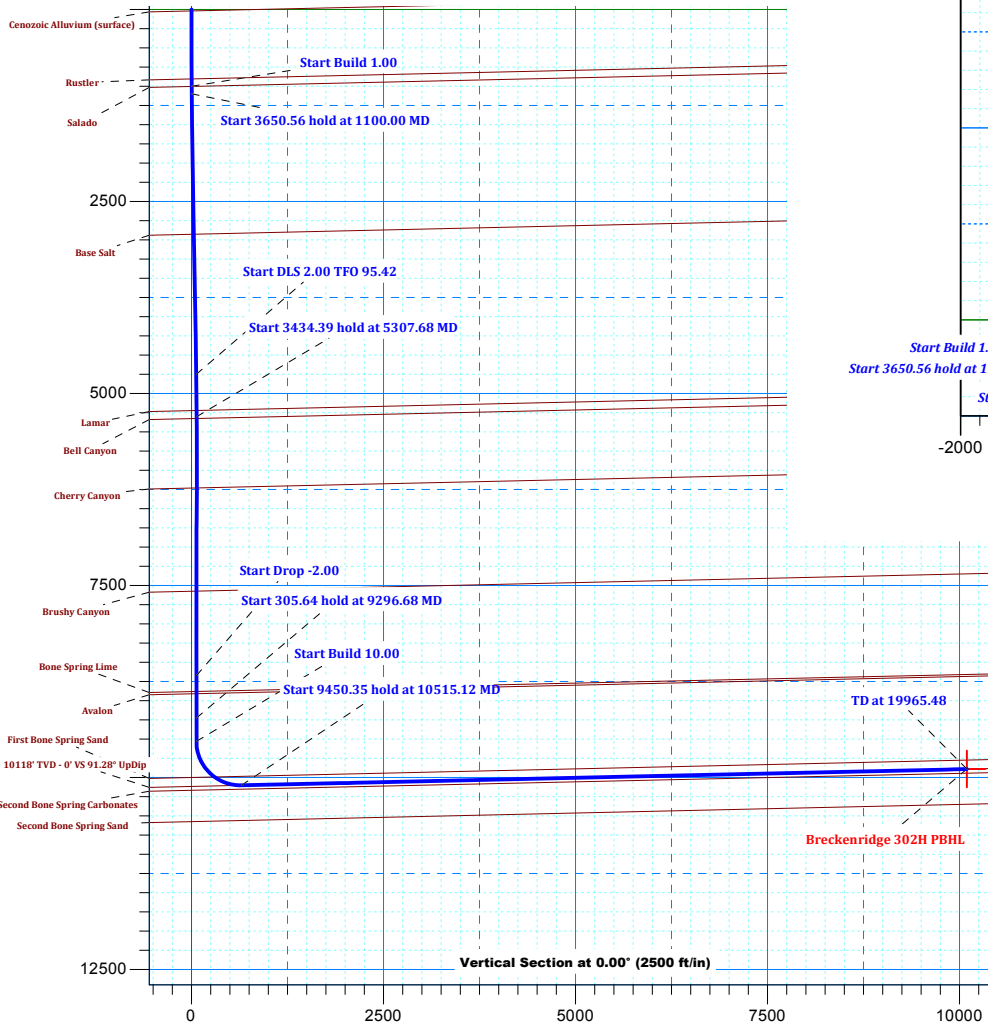
US State Plane 1983
New Mexico Eastern Zone
Elevation: GL 3374' + RBK 21' @ 3395.00ft

Northing	Easting	Latitude	Longitude	Slot
447178.02	839870.28	32° 13' 32.454 N	103° 22' 4.566 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
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00
1100.00	1.00	0.00	1099.99	0.87	0.00	1.00	0.00	0.87
4750.56	1.00	0.00	4750.00	64.58	0.00	0.00	0.00	64.58
5307.68	11.09	90.33	5303.62	69.15	53.76	2.00	95.42	69.15
8742.07	11.09	90.33	8673.85	65.31	714.48	0.00	0.00	65.31
9296.68	0.00	0.00	9225.00	65.00	768.00	2.00	180.00	65.00
9602.32	0.00	0.00	9530.64	65.00	768.00	0.00	0.00	65.00
10515.12	91.28	0.00	10103.46	650.76	768.04	10.00	0.00	650.76
19965.48	91.28	0.00	9892.35	10098.75	768.72	0.00	0.00	10098.75

Name	TVD	+N/-S	+E/-W	Northing	Easting
Breckenridge 302H PBHL	9892.35	10098.75	768.72	457276.75	840639.00



Franklin Mountain Energy

Golden - Breckenridge Site

Lea County, NM (NAD 83)

Breckenridge Fed Com 302H

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 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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 302H					
Well Position	+N/-S	0.93 ft	Northing:	447,178.02 usft	Latitude:	32° 13' 32.454 N
	+E/-W	104.98 ft	Easting:	839,870.28 usft	Longitude:	103° 22' 4.566 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,374.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2019	6.64	60.07	47,750.31224818

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	0.00	1,099.99	0.87	0.00	1.00	1.00	0.00	0.00	
4,750.56	1.00	0.00	4,750.00	64.58	0.00	0.00	0.00	0.00	0.00	
5,307.68	11.09	90.33	5,303.62	69.15	53.76	2.00	1.81	16.21	95.42	
8,742.07	11.09	90.33	8,673.85	65.31	714.48	0.00	0.00	0.00	0.00	
9,296.68	0.00	0.00	9,225.00	65.00	768.00	2.00	-2.00	0.00	180.00	
9,602.32	0.00	0.00	9,530.64	65.00	768.00	0.00	0.00	0.00	0.00	
10,515.12	91.28	0.00	10,103.46	650.76	768.04	10.00	10.00	0.00	0.00	
19,965.48	91.28	0.00	9,892.35	10,098.75	768.72	0.00	0.00	0.00	0.00	Breckenridge 302H P

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Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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
906.00	0.00	0.00	906.00	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									
1,003.00	0.03	0.00	1,003.00	0.00	0.00	0.00	1.00	1.00	0.00
Salado									
1,100.00	1.00	0.00	1,099.99	0.87	0.00	0.87	1.00	1.00	0.00
Start 3650.56 hold at 1100.00 MD									
1,200.00	1.00	0.00	1,199.98	2.62	0.00	2.62	0.00	0.00	0.00
1,300.00	1.00	0.00	1,299.96	4.36	0.00	4.36	0.00	0.00	0.00
1,400.00	1.00	0.00	1,399.95	6.11	0.00	6.11	0.00	0.00	0.00
1,500.00	1.00	0.00	1,499.93	7.85	0.00	7.85	0.00	0.00	0.00
1,600.00	1.00	0.00	1,599.92	9.60	0.00	9.60	0.00	0.00	0.00
1,700.00	1.00	0.00	1,699.90	11.34	0.00	11.34	0.00	0.00	0.00
1,800.00	1.00	0.00	1,799.89	13.09	0.00	13.09	0.00	0.00	0.00
1,900.00	1.00	0.00	1,899.87	14.83	0.00	14.83	0.00	0.00	0.00
2,000.00	1.00	0.00	1,999.86	16.58	0.00	16.58	0.00	0.00	0.00
2,100.00	1.00	0.00	2,099.84	18.33	0.00	18.33	0.00	0.00	0.00
2,200.00	1.00	0.00	2,199.83	20.07	0.00	20.07	0.00	0.00	0.00
2,300.00	1.00	0.00	2,299.81	21.82	0.00	21.82	0.00	0.00	0.00
2,400.00	1.00	0.00	2,399.80	23.56	0.00	23.56	0.00	0.00	0.00
2,500.00	1.00	0.00	2,499.78	25.31	0.00	25.31	0.00	0.00	0.00
2,600.00	1.00	0.00	2,599.77	27.05	0.00	27.05	0.00	0.00	0.00
2,700.00	1.00	0.00	2,699.75	28.80	0.00	28.80	0.00	0.00	0.00
2,800.00	1.00	0.00	2,799.74	30.54	0.00	30.54	0.00	0.00	0.00
2,900.00	1.00	0.00	2,899.72	32.29	0.00	32.29	0.00	0.00	0.00
2,927.55	1.00	0.00	2,927.27	32.77	0.00	32.77	0.00	0.00	0.00
Base Salt									
3,000.00	1.00	0.00	2,999.71	34.03	0.00	34.03	0.00	0.00	0.00
3,100.00	1.00	0.00	3,099.69	35.78	0.00	35.78	0.00	0.00	0.00
3,200.00	1.00	0.00	3,199.68	37.52	0.00	37.52	0.00	0.00	0.00
3,300.00	1.00	0.00	3,299.66	39.27	0.00	39.27	0.00	0.00	0.00
3,400.00	1.00	0.00	3,399.64	41.01	0.00	41.01	0.00	0.00	0.00
3,500.00	1.00	0.00	3,499.63	42.76	0.00	42.76	0.00	0.00	0.00
3,600.00	1.00	0.00	3,599.61	44.50	0.00	44.50	0.00	0.00	0.00
3,700.00	1.00	0.00	3,699.60	46.25	0.00	46.25	0.00	0.00	0.00
3,800.00	1.00	0.00	3,799.58	47.99	0.00	47.99	0.00	0.00	0.00
3,900.00	1.00	0.00	3,899.57	49.74	0.00	49.74	0.00	0.00	0.00
4,000.00	1.00	0.00	3,999.55	51.48	0.00	51.48	0.00	0.00	0.00
4,100.00	1.00	0.00	4,099.54	53.23	0.00	53.23	0.00	0.00	0.00
4,200.00	1.00	0.00	4,199.52	54.98	0.00	54.98	0.00	0.00	0.00

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Well:	Breckenridge Fed Com 302H	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)	
4,300.00	1.00	0.00	4,299.51	56.72	0.00	56.72	0.00	0.00	0.00	
4,400.00	1.00	0.00	4,399.49	58.47	0.00	58.47	0.00	0.00	0.00	
4,500.00	1.00	0.00	4,499.48	60.21	0.00	60.21	0.00	0.00	0.00	
4,600.00	1.00	0.00	4,599.46	61.96	0.00	61.96	0.00	0.00	0.00	
4,700.00	1.00	0.00	4,699.45	63.70	0.00	63.70	0.00	0.00	0.00	
4,750.56	1.00	0.00	4,750.00	64.58	0.00	64.58	0.00	0.00	0.00	
Start DLS 2.00 TFO 95.42										
4,800.00	1.34	47.36	4,799.43	65.41	0.42	65.41	2.00	0.68	95.79	
4,900.00	3.06	76.45	4,899.35	66.82	3.88	66.82	2.00	1.72	29.10	
5,000.00	4.99	83.95	4,999.10	67.91	10.80	67.91	2.00	1.93	7.50	
5,100.00	6.97	87.24	5,098.56	68.66	21.19	68.66	2.00	1.97	3.29	
5,200.00	8.95	89.08	5,197.59	69.07	35.03	69.07	2.00	1.98	1.84	
5,225.19	9.45	89.43	5,222.46	69.13	39.05	69.13	2.00	1.99	1.36	
Lamar										
5,300.00	10.94	90.26	5,296.08	69.16	52.29	69.16	2.00	1.99	1.12	
5,307.68	11.09	90.33	5,303.62	69.15	53.76	69.15	2.00	1.99	0.95	
Start 3434.39 hold at 5307.68 MD										
5,330.95	11.09	90.33	5,326.46	69.12	58.24	69.12	0.00	0.00	0.00	
Bell Canyon										
5,400.00	11.09	90.33	5,394.21	69.05	71.52	69.05	0.00	0.00	0.00	
5,500.00	11.09	90.33	5,492.35	68.93	90.76	68.93	0.00	0.00	0.00	
5,600.00	11.09	90.33	5,590.48	68.82	110.00	68.82	0.00	0.00	0.00	
5,700.00	11.09	90.33	5,688.61	68.71	129.24	68.71	0.00	0.00	0.00	
5,800.00	11.09	90.33	5,786.74	68.60	148.48	68.60	0.00	0.00	0.00	
5,900.00	11.09	90.33	5,884.87	68.49	167.71	68.49	0.00	0.00	0.00	
6,000.00	11.09	90.33	5,983.01	68.37	186.95	68.37	0.00	0.00	0.00	
6,100.00	11.09	90.33	6,081.14	68.26	206.19	68.26	0.00	0.00	0.00	
6,200.00	11.09	90.33	6,179.27	68.15	225.43	68.15	0.00	0.00	0.00	
6,254.22	11.09	90.33	6,232.48	68.09	235.86	68.09	0.00	0.00	0.00	
Cherry Canyon										
6,300.00	11.09	90.33	6,277.40	68.04	244.67	68.04	0.00	0.00	0.00	
6,400.00	11.09	90.33	6,375.53	67.93	263.91	67.93	0.00	0.00	0.00	
6,500.00	11.09	90.33	6,473.66	67.82	283.14	67.82	0.00	0.00	0.00	
6,600.00	11.09	90.33	6,571.80	67.70	302.38	67.70	0.00	0.00	0.00	
6,700.00	11.09	90.33	6,669.93	67.59	321.62	67.59	0.00	0.00	0.00	
6,800.00	11.09	90.33	6,768.06	67.48	340.86	67.48	0.00	0.00	0.00	
6,900.00	11.09	90.33	6,866.19	67.37	360.10	67.37	0.00	0.00	0.00	
7,000.00	11.09	90.33	6,964.32	67.26	379.34	67.26	0.00	0.00	0.00	
7,100.00	11.09	90.33	7,062.46	67.14	398.58	67.15	0.00	0.00	0.00	
7,200.00	11.09	90.33	7,160.59	67.03	417.81	67.03	0.00	0.00	0.00	
7,300.00	11.09	90.33	7,258.72	66.92	437.05	66.92	0.00	0.00	0.00	
7,400.00	11.09	90.33	7,356.85	66.81	456.29	66.81	0.00	0.00	0.00	
7,500.00	11.09	90.33	7,454.98	66.70	475.53	66.70	0.00	0.00	0.00	
7,600.00	11.09	90.33	7,553.12	66.59	494.77	66.59	0.00	0.00	0.00	
7,621.80	11.09	90.33	7,574.51	66.56	498.96	66.56	0.00	0.00	0.00	
Brushy Canyon										
7,700.00	11.09	90.33	7,651.25	66.47	514.01	66.48	0.00	0.00	0.00	
7,800.00	11.09	90.33	7,749.38	66.36	533.24	66.36	0.00	0.00	0.00	
7,900.00	11.09	90.33	7,847.51	66.25	552.48	66.25	0.00	0.00	0.00	
8,000.00	11.09	90.33	7,945.64	66.14	571.72	66.14	0.00	0.00	0.00	
8,100.00	11.09	90.33	8,043.78	66.03	590.96	66.03	0.00	0.00	0.00	
8,200.00	11.09	90.33	8,141.91	65.92	610.20	65.92	0.00	0.00	0.00	
8,300.00	11.09	90.33	8,240.04	65.80	629.44	65.80	0.00	0.00	0.00	

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Design:	Plan #1		

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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	11.09	90.33	8,338.17	65.69	648.68	65.69	0.00	0.00	0.00
8,500.00	11.09	90.33	8,436.30	65.58	667.91	65.58	0.00	0.00	0.00
8,600.00	11.09	90.33	8,534.43	65.47	687.15	65.47	0.00	0.00	0.00
8,700.00	11.09	90.33	8,632.57	65.36	706.39	65.36	0.00	0.00	0.00
8,742.07	11.09	90.33	8,673.85	65.31	714.48	65.31	0.00	0.00	0.00
Start Drop -2.00									
8,800.00	9.93	90.33	8,730.81	65.25	725.05	65.25	2.00	-2.00	0.00
8,900.00	7.93	90.33	8,829.59	65.16	740.58	65.16	2.00	-2.00	0.00
8,954.41	6.85	90.33	8,883.55	65.12	747.58	65.12	2.00	-2.00	0.00
Bone Spring Lime									
8,980.58	6.32	90.33	8,909.55	65.10	750.58	65.10	2.00	-2.00	0.00
Avalon									
9,000.00	5.93	90.33	8,928.85	65.09	752.65	65.09	2.00	-2.00	0.00
9,100.00	3.93	90.33	9,028.48	65.04	761.25	65.04	2.00	-2.00	0.00
9,200.00	1.93	90.33	9,128.34	65.01	766.37	65.01	2.00	-2.00	0.00
9,296.68	0.00	0.00	9,225.00	65.00	768.00	65.00	2.00	-2.00	0.00
Start 305.64 hold at 9296.68 MD									
9,300.00	0.00	0.00	9,228.32	65.00	768.00	65.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,328.32	65.00	768.00	65.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,428.32	65.00	768.00	65.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,528.32	65.00	768.00	65.00	0.00	0.00	0.00
9,602.32	0.00	0.00	9,530.64	65.00	768.00	65.00	0.00	0.00	0.00
Start Build 10.00									
9,700.00	9.77	0.00	9,627.85	73.30	768.00	73.31	10.00	10.00	0.00
9,800.00	19.77	0.00	9,724.42	98.76	768.00	98.76	10.00	10.00	0.00
9,900.00	29.77	0.00	9,815.11	140.60	768.01	140.60	10.00	10.00	0.00
10,000.00	39.77	0.00	9,897.15	197.56	768.01	197.56	10.00	10.00	0.00
10,100.00	49.77	0.00	9,968.06	267.89	768.01	267.89	10.00	10.00	0.00
10,144.13	54.18	0.00	9,995.24	302.64	768.02	302.65	10.00	10.00	0.00
First Bone Spring Sand									
10,200.00	59.77	0.00	10,025.68	349.47	768.02	349.47	10.00	10.00	0.00
10,300.00	69.77	0.00	10,068.25	439.81	768.03	439.81	10.00	10.00	0.00
10,400.00	79.77	0.00	10,094.49	536.18	768.03	536.18	10.00	10.00	0.00
10,500.00	89.77	0.00	10,103.60	635.63	768.04	635.64	10.00	10.00	0.00
10,515.12	91.28	0.00	10,103.46	650.76	768.04	650.76	10.00	10.00	0.00
Start 9450.35 hold at 10515.12 MD									
10,600.00	91.28	0.00	10,101.56	735.61	768.05	735.61	0.00	0.00	0.00
10,700.00	91.28	0.00	10,099.33	835.59	768.06	835.59	0.00	0.00	0.00
10,800.00	91.28	0.00	10,097.10	935.56	768.06	935.56	0.00	0.00	0.00
10,900.00	91.28	0.00	10,094.86	1,035.54	768.07	1,035.54	0.00	0.00	0.00
11,000.00	91.28	0.00	10,092.63	1,135.51	768.08	1,135.51	0.00	0.00	0.00
11,100.00	91.28	0.00	10,090.39	1,235.49	768.08	1,235.49	0.00	0.00	0.00
11,200.00	91.28	0.00	10,088.16	1,335.46	768.09	1,335.46	0.00	0.00	0.00
11,300.00	91.28	0.00	10,085.93	1,435.44	768.10	1,435.44	0.00	0.00	0.00
11,400.00	91.28	0.00	10,083.69	1,535.41	768.11	1,535.41	0.00	0.00	0.00
11,500.00	91.28	0.00	10,081.46	1,635.39	768.11	1,635.39	0.00	0.00	0.00
11,600.00	91.28	0.00	10,079.23	1,735.36	768.12	1,735.36	0.00	0.00	0.00
11,700.00	91.28	0.00	10,076.99	1,835.34	768.13	1,835.34	0.00	0.00	0.00
11,800.00	91.28	0.00	10,074.76	1,935.31	768.13	1,935.31	0.00	0.00	0.00
11,900.00	91.28	0.00	10,072.52	2,035.29	768.14	2,035.29	0.00	0.00	0.00
12,000.00	91.28	0.00	10,070.29	2,135.26	768.15	2,135.26	0.00	0.00	0.00
12,100.00	91.28	0.00	10,068.06	2,235.24	768.16	2,235.24	0.00	0.00	0.00
12,200.00	91.28	0.00	10,065.82	2,335.21	768.16	2,335.21	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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	91.28	0.00	10,063.59	2,435.19	768.17	2,435.19	0.00	0.00	0.00
12,400.00	91.28	0.00	10,061.35	2,535.16	768.18	2,535.16	0.00	0.00	0.00
12,500.00	91.28	0.00	10,059.12	2,635.14	768.18	2,635.14	0.00	0.00	0.00
12,600.00	91.28	0.00	10,056.89	2,735.11	768.19	2,735.11	0.00	0.00	0.00
12,700.00	91.28	0.00	10,054.65	2,835.09	768.20	2,835.09	0.00	0.00	0.00
12,800.00	91.28	0.00	10,052.42	2,935.06	768.21	2,935.06	0.00	0.00	0.00
12,900.00	91.28	0.00	10,050.19	3,035.04	768.21	3,035.04	0.00	0.00	0.00
13,000.00	91.28	0.00	10,047.95	3,135.01	768.22	3,135.01	0.00	0.00	0.00
13,100.00	91.28	0.00	10,045.72	3,234.99	768.23	3,234.99	0.00	0.00	0.00
13,200.00	91.28	0.00	10,043.48	3,334.96	768.24	3,334.97	0.00	0.00	0.00
13,300.00	91.28	0.00	10,041.25	3,434.94	768.24	3,434.94	0.00	0.00	0.00
13,400.00	91.28	0.00	10,039.02	3,534.91	768.25	3,534.92	0.00	0.00	0.00
13,500.00	91.28	0.00	10,036.78	3,634.89	768.26	3,634.89	0.00	0.00	0.00
13,600.00	91.28	0.00	10,034.55	3,734.86	768.26	3,734.87	0.00	0.00	0.00
13,700.00	91.28	0.00	10,032.31	3,834.84	768.27	3,834.84	0.00	0.00	0.00
13,800.00	91.28	0.00	10,030.08	3,934.81	768.28	3,934.82	0.00	0.00	0.00
13,900.00	91.28	0.00	10,027.85	4,034.79	768.29	4,034.79	0.00	0.00	0.00
14,000.00	91.28	0.00	10,025.61	4,134.76	768.29	4,134.77	0.00	0.00	0.00
14,100.00	91.28	0.00	10,023.38	4,234.74	768.30	4,234.74	0.00	0.00	0.00
14,200.00	91.28	0.00	10,021.15	4,334.71	768.31	4,334.72	0.00	0.00	0.00
14,300.00	91.28	0.00	10,018.91	4,434.69	768.31	4,434.69	0.00	0.00	0.00
14,400.00	91.28	0.00	10,016.68	4,534.66	768.32	4,534.67	0.00	0.00	0.00
14,500.00	91.28	0.00	10,014.44	4,634.64	768.33	4,634.64	0.00	0.00	0.00
14,600.00	91.28	0.00	10,012.21	4,734.61	768.34	4,734.62	0.00	0.00	0.00
14,700.00	91.28	0.00	10,009.98	4,834.59	768.34	4,834.59	0.00	0.00	0.00
14,800.00	91.28	0.00	10,007.74	4,934.56	768.35	4,934.57	0.00	0.00	0.00
14,900.00	91.28	0.00	10,005.51	5,034.54	768.36	5,034.54	0.00	0.00	0.00
15,000.00	91.28	0.00	10,003.27	5,134.51	768.36	5,134.52	0.00	0.00	0.00
15,100.00	91.28	0.00	10,001.04	5,234.49	768.37	5,234.49	0.00	0.00	0.00
15,200.00	91.28	0.00	9,998.81	5,334.46	768.38	5,334.47	0.00	0.00	0.00
15,300.00	91.28	0.00	9,996.57	5,434.44	768.39	5,434.44	0.00	0.00	0.00
15,400.00	91.28	0.00	9,994.34	5,534.41	768.39	5,534.42	0.00	0.00	0.00
15,500.00	91.28	0.00	9,992.11	5,634.39	768.40	5,634.39	0.00	0.00	0.00
15,600.00	91.28	0.00	9,989.87	5,734.36	768.41	5,734.37	0.00	0.00	0.00
15,700.00	91.28	0.00	9,987.64	5,834.34	768.41	5,834.34	0.00	0.00	0.00
15,800.00	91.28	0.00	9,985.40	5,934.31	768.42	5,934.32	0.00	0.00	0.00
15,900.00	91.28	0.00	9,983.17	6,034.29	768.43	6,034.29	0.00	0.00	0.00
16,000.00	91.28	0.00	9,980.94	6,134.26	768.44	6,134.27	0.00	0.00	0.00
16,100.00	91.28	0.00	9,978.70	6,234.24	768.44	6,234.24	0.00	0.00	0.00
16,200.00	91.28	0.00	9,976.47	6,334.21	768.45	6,334.22	0.00	0.00	0.00
16,300.00	91.28	0.00	9,974.23	6,434.19	768.46	6,434.19	0.00	0.00	0.00
16,400.00	91.28	0.00	9,972.00	6,534.16	768.47	6,534.17	0.00	0.00	0.00
16,500.00	91.28	0.00	9,969.77	6,634.14	768.47	6,634.14	0.00	0.00	0.00
16,600.00	91.28	0.00	9,967.53	6,734.12	768.48	6,734.12	0.00	0.00	0.00
16,700.00	91.28	0.00	9,965.30	6,834.09	768.49	6,834.09	0.00	0.00	0.00
16,800.00	91.28	0.00	9,963.07	6,934.07	768.49	6,934.07	0.00	0.00	0.00
16,900.00	91.28	0.00	9,960.83	7,034.04	768.50	7,034.04	0.00	0.00	0.00
17,000.00	91.28	0.00	9,958.60	7,134.02	768.51	7,134.02	0.00	0.00	0.00
17,100.00	91.28	0.00	9,956.36	7,233.99	768.52	7,233.99	0.00	0.00	0.00
17,200.00	91.28	0.00	9,954.13	7,333.97	768.52	7,333.97	0.00	0.00	0.00
17,300.00	91.28	0.00	9,951.90	7,433.94	768.53	7,433.94	0.00	0.00	0.00
17,400.00	91.28	0.00	9,949.66	7,533.92	768.54	7,533.92	0.00	0.00	0.00
17,500.00	91.28	0.00	9,947.43	7,633.89	768.54	7,633.89	0.00	0.00	0.00
17,600.00	91.28	0.00	9,945.20	7,733.87	768.55	7,733.87	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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)
17,700.00	91.28	0.00	9,942.96	7,833.84	768.56	7,833.84	0.00	0.00	0.00
17,800.00	91.28	0.00	9,940.73	7,933.82	768.57	7,933.82	0.00	0.00	0.00
17,900.00	91.28	0.00	9,938.49	8,033.79	768.57	8,033.79	0.00	0.00	0.00
18,000.00	91.28	0.00	9,936.26	8,133.77	768.58	8,133.77	0.00	0.00	0.00
18,100.00	91.28	0.00	9,934.03	8,233.74	768.59	8,233.74	0.00	0.00	0.00
18,200.00	91.28	0.00	9,931.79	8,333.72	768.59	8,333.72	0.00	0.00	0.00
18,300.00	91.28	0.00	9,929.56	8,433.69	768.60	8,433.69	0.00	0.00	0.00
18,400.00	91.28	0.00	9,927.32	8,533.67	768.61	8,533.67	0.00	0.00	0.00
18,500.00	91.28	0.00	9,925.09	8,633.64	768.62	8,633.64	0.00	0.00	0.00
18,600.00	91.28	0.00	9,922.86	8,733.62	768.62	8,733.62	0.00	0.00	0.00
18,700.00	91.28	0.00	9,920.62	8,833.59	768.63	8,833.59	0.00	0.00	0.00
18,800.00	91.28	0.00	9,918.39	8,933.57	768.64	8,933.57	0.00	0.00	0.00
18,900.00	91.28	0.00	9,916.16	9,033.54	768.64	9,033.54	0.00	0.00	0.00
19,000.00	91.28	0.00	9,913.92	9,133.52	768.65	9,133.52	0.00	0.00	0.00
19,100.00	91.28	0.00	9,911.69	9,233.49	768.66	9,233.49	0.00	0.00	0.00
19,200.00	91.28	0.00	9,909.45	9,333.47	768.67	9,333.47	0.00	0.00	0.00
19,300.00	91.28	0.00	9,907.22	9,433.44	768.67	9,433.44	0.00	0.00	0.00
19,400.00	91.28	0.00	9,904.99	9,533.42	768.68	9,533.42	0.00	0.00	0.00
19,500.00	91.28	0.00	9,902.75	9,633.39	768.69	9,633.39	0.00	0.00	0.00
19,600.00	91.28	0.00	9,900.52	9,733.37	768.70	9,733.37	0.00	0.00	0.00
19,700.00	91.28	0.00	9,898.28	9,833.34	768.70	9,833.34	0.00	0.00	0.00
19,800.00	91.28	0.00	9,896.05	9,933.32	768.71	9,933.32	0.00	0.00	0.00
19,900.00	91.28	0.00	9,893.82	10,033.29	768.72	10,033.29	0.00	0.00	0.00
19,965.48	91.28	0.00	9,892.35	10,098.75	768.72	10,098.75	0.00	0.00	0.00
TD at 19965.48 - Breckenridge 302H PBHL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Breckenridge 302H PBH - plan hits target center - Point	0.00	0.01	9,892.35	10,098.75	768.72	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 W

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
21.00	21.00	Cenozoic Alluvium (surface)		-1.28	0.00
906.00	906.00	Rustler		-1.28	0.00
1,003.00	1,003.00	Salado		-1.28	0.00
2,927.55	2,927.27	Base Salt		-1.28	0.00
5,225.19	5,222.46	Lamar		-1.28	0.00
5,330.95	5,326.46	Bell Canyon		-1.28	0.00
6,254.22	6,232.48	Cherry Canyon		-1.28	0.00
7,621.80	7,574.51	Brushy Canyon		-1.28	0.00
8,954.41	8,883.55	Bone Spring Lime		-1.28	0.00
8,980.58	8,909.55	Avalon		-1.28	0.00
10,144.13	9,995.24	First Bone Spring Sand		-1.28	0.00

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (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 3650.56 hold at 1100.00 MD
4,750.56	4,750.00	64.58	0.00	Start DLS 2.00 TFO 95.42
5,307.68	5,303.62	69.15	53.76	Start 3434.39 hold at 5307.68 MD
8,742.07	8,673.85	65.31	714.48	Start Drop -2.00
9,296.68	9,225.00	65.00	768.00	Start 305.64 hold at 9296.68 MD
9,602.32	9,530.64	65.00	768.00	Start Build 10.00
10,515.12	10,103.46	650.76	768.04	Start 9450.35 hold at 10515.12 MD
19,965.48	9,892.35	10,098.75	768.72	TD at 19965.48

Franklin Mountain Energy

Golden - Breckenridge Site

Lea County, NM (NAD 83)

Breckenridge Fed Com 302H

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 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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 302H					
Well Position	+N/-S	0.00 ft	Northing:	447,178.02 usft	Latitude:	32° 13' 32.454 N
	+E/-W	0.00 ft	Easting:	839,870.28 usft	Longitude:	103° 22' 4.566 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,374.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2019	6.64	60.07	47,750.31224818

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	0.00	1,099.99	0.87	0.00	1.00	1.00	0.00	0.00	
4,750.56	1.00	0.00	4,750.00	64.58	0.00	0.00	0.00	0.00	0.00	
5,307.68	11.09	90.33	5,303.62	69.15	53.76	2.00	1.81	16.21	95.42	
8,742.07	11.09	90.33	8,673.85	65.31	714.48	0.00	0.00	0.00	0.00	
9,296.68	0.00	0.00	9,225.00	65.00	768.00	2.00	-2.00	0.00	180.00	
9,602.32	0.00	0.00	9,530.64	65.00	768.00	0.00	0.00	0.00	0.00	
10,515.12	91.28	0.00	10,103.46	650.76	768.04	10.00	10.00	0.00	0.00	
19,965.48	91.28	0.00	9,892.35	10,098.75	768.72	0.00	0.00	0.00	0.00	Breckenridge 302H P

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
21.00	0.00	0.00	21.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
200.00	0.00	0.00	200.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
300.00	0.00	0.00	300.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
400.00	0.00	0.00	400.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
500.00	0.00	0.00	500.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
600.00	0.00	0.00	600.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
700.00	0.00	0.00	700.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
800.00	0.00	0.00	800.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
900.00	0.00	0.00	900.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
906.00	0.00	0.00	906.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
Start Build 1.00									
1,003.00	0.03	0.00	1,003.00	0.00	0.00	447,178.02	839,870.28	32° 13' 32.454 N	103° 22' 4.566 W
Salado									
1,100.00	1.00	0.00	1,099.99	0.87	0.00	447,178.89	839,870.28	32° 13' 32.463 N	103° 22' 4.566 W
Start 3650.56 hold at 1100.00 MD									
1,200.00	1.00	0.00	1,199.98	2.62	0.00	447,180.64	839,870.28	32° 13' 32.480 N	103° 22' 4.566 W
1,300.00	1.00	0.00	1,299.96	4.36	0.00	447,182.38	839,870.28	32° 13' 32.497 N	103° 22' 4.565 W
1,400.00	1.00	0.00	1,399.95	6.11	0.00	447,184.13	839,870.28	32° 13' 32.514 N	103° 22' 4.565 W
1,500.00	1.00	0.00	1,499.93	7.85	0.00	447,185.87	839,870.28	32° 13' 32.532 N	103° 22' 4.565 W
1,600.00	1.00	0.00	1,599.92	9.60	0.00	447,187.62	839,870.28	32° 13' 32.549 N	103° 22' 4.565 W
1,700.00	1.00	0.00	1,699.90	11.34	0.00	447,189.36	839,870.28	32° 13' 32.566 N	103° 22' 4.565 W
1,800.00	1.00	0.00	1,799.89	13.09	0.00	447,191.11	839,870.28	32° 13' 32.584 N	103° 22' 4.564 W
1,900.00	1.00	0.00	1,899.87	14.83	0.00	447,192.85	839,870.28	32° 13' 32.601 N	103° 22' 4.564 W
2,000.00	1.00	0.00	1,999.86	16.58	0.00	447,194.60	839,870.28	32° 13' 32.618 N	103° 22' 4.564 W
2,100.00	1.00	0.00	2,099.84	18.33	0.00	447,196.35	839,870.28	32° 13' 32.635 N	103° 22' 4.564 W
2,200.00	1.00	0.00	2,199.83	20.07	0.00	447,198.09	839,870.28	32° 13' 32.653 N	103° 22' 4.564 W
2,300.00	1.00	0.00	2,299.81	21.82	0.00	447,199.84	839,870.28	32° 13' 32.670 N	103° 22' 4.564 W
2,400.00	1.00	0.00	2,399.80	23.56	0.00	447,201.58	839,870.28	32° 13' 32.687 N	103° 22' 4.563 W
2,500.00	1.00	0.00	2,499.78	25.31	0.00	447,203.33	839,870.28	32° 13' 32.704 N	103° 22' 4.563 W
2,600.00	1.00	0.00	2,599.77	27.05	0.00	447,205.07	839,870.28	32° 13' 32.722 N	103° 22' 4.563 W
2,700.00	1.00	0.00	2,699.75	28.80	0.00	447,206.82	839,870.28	32° 13' 32.739 N	103° 22' 4.563 W
2,800.00	1.00	0.00	2,799.74	30.54	0.00	447,208.56	839,870.28	32° 13' 32.756 N	103° 22' 4.563 W
2,900.00	1.00	0.00	2,899.72	32.29	0.00	447,210.31	839,870.28	32° 13' 32.773 N	103° 22' 4.562 W
2,927.55	1.00	0.00	2,927.27	32.77	0.00	447,210.79	839,870.28	32° 13' 32.778 N	103° 22' 4.562 W
Base Salt									
3,000.00	1.00	0.00	2,999.71	34.03	0.00	447,212.05	839,870.28	32° 13' 32.791 N	103° 22' 4.562 W
3,100.00	1.00	0.00	3,099.69	35.78	0.00	447,213.80	839,870.28	32° 13' 32.808 N	103° 22' 4.562 W
3,200.00	1.00	0.00	3,199.68	37.52	0.00	447,215.54	839,870.28	32° 13' 32.825 N	103° 22' 4.562 W
3,300.00	1.00	0.00	3,299.66	39.27	0.00	447,217.29	839,870.28	32° 13' 32.843 N	103° 22' 4.562 W
3,400.00	1.00	0.00	3,399.64	41.01	0.00	447,219.03	839,870.28	32° 13' 32.860 N	103° 22' 4.562 W
3,500.00	1.00	0.00	3,499.63	42.76	0.00	447,220.78	839,870.28	32° 13' 32.877 N	103° 22' 4.561 W
3,600.00	1.00	0.00	3,599.61	44.50	0.00	447,222.52	839,870.28	32° 13' 32.894 N	103° 22' 4.561 W
3,700.00	1.00	0.00	3,699.60	46.25	0.00	447,224.27	839,870.28	32° 13' 32.912 N	103° 22' 4.561 W
3,800.00	1.00	0.00	3,799.58	47.99	0.00	447,226.01	839,870.28	32° 13' 32.929 N	103° 22' 4.561 W
3,900.00	1.00	0.00	3,899.57	49.74	0.00	447,227.76	839,870.28	32° 13' 32.946 N	103° 22' 4.561 W
4,000.00	1.00	0.00	3,999.55	51.48	0.00	447,229.50	839,870.28	32° 13' 32.963 N	103° 22' 4.560 W
4,100.00	1.00	0.00	4,099.54	53.23	0.00	447,231.25	839,870.28	32° 13' 32.981 N	103° 22' 4.560 W
4,200.00	1.00	0.00	4,199.52	54.98	0.00	447,232.99	839,870.28	32° 13' 32.998 N	103° 22' 4.560 W
4,300.00	1.00	0.00	4,299.51	56.72	0.00	447,234.74	839,870.28	32° 13' 33.015 N	103° 22' 4.560 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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	0.00	4,399.49	58.47	0.00	447,236.49	839,870.28	32° 13' 33.033 N	103° 22' 4.560 W
4,500.00	1.00	0.00	4,499.48	60.21	0.00	447,238.23	839,870.28	32° 13' 33.050 N	103° 22' 4.560 W
4,600.00	1.00	0.00	4,599.46	61.96	0.00	447,239.98	839,870.28	32° 13' 33.067 N	103° 22' 4.559 W
4,700.00	1.00	0.00	4,699.45	63.70	0.00	447,241.72	839,870.28	32° 13' 33.084 N	103° 22' 4.559 W
4,750.56	1.00	0.00	4,750.00	64.58	0.00	447,242.60	839,870.28	32° 13' 33.093 N	103° 22' 4.559 W
Start DLS 2.00 TFO 95.42									
4,800.00	1.34	47.36	4,799.43	65.41	0.42	447,243.43	839,870.70	32° 13' 33.101 N	103° 22' 4.554 W
4,900.00	3.06	76.45	4,899.35	66.82	3.88	447,244.84	839,874.16	32° 13' 33.115 N	103° 22' 4.514 W
5,000.00	4.99	83.95	4,999.10	67.91	10.80	447,245.93	839,881.08	32° 13' 33.125 N	103° 22' 4.433 W
5,100.00	6.97	87.24	5,098.56	68.66	21.19	447,246.68	839,891.47	32° 13' 33.131 N	103° 22' 4.312 W
5,200.00	8.95	89.08	5,197.59	69.07	35.03	447,247.09	839,905.30	32° 13' 33.134 N	103° 22' 4.151 W
5,225.19	9.45	89.43	5,222.46	69.13	39.05	447,247.15	839,909.33	32° 13' 33.135 N	103° 22' 4.104 W
Lamar									
5,300.00	10.94	90.26	5,296.08	69.16	52.29	447,247.18	839,922.57	32° 13' 33.134 N	103° 22' 3.950 W
5,307.68	11.09	90.33	5,303.62	69.15	53.76	447,247.17	839,924.04	32° 13' 33.133 N	103° 22' 3.933 W
Start 3434.39 hold at 5307.68 MD									
5,330.95	11.09	90.33	5,326.46	69.12	58.24	447,247.14	839,928.52	32° 13' 33.133 N	103° 22' 3.881 W
Bell Canyon									
5,400.00	11.09	90.33	5,394.21	69.05	71.52	447,247.06	839,941.80	32° 13' 33.131 N	103° 22' 3.726 W
5,500.00	11.09	90.33	5,492.35	68.93	90.76	447,246.95	839,961.04	32° 13' 33.128 N	103° 22' 3.502 W
5,600.00	11.09	90.33	5,590.48	68.82	110.00	447,246.84	839,980.28	32° 13' 33.125 N	103° 22' 3.278 W
5,700.00	11.09	90.33	5,688.61	68.71	129.24	447,246.73	839,999.52	32° 13' 33.122 N	103° 22' 3.054 W
5,800.00	11.09	90.33	5,786.74	68.60	148.48	447,246.62	840,018.75	32° 13' 33.120 N	103° 22' 2.830 W
5,900.00	11.09	90.33	5,884.87	68.49	167.71	447,246.51	840,037.99	32° 13' 33.117 N	103° 22' 2.606 W
6,000.00	11.09	90.33	5,983.01	68.37	186.95	447,246.39	840,057.23	32° 13' 33.114 N	103° 22' 2.382 W
6,100.00	11.09	90.33	6,081.14	68.26	206.19	447,246.28	840,076.47	32° 13' 33.111 N	103° 22' 2.159 W
6,200.00	11.09	90.33	6,179.27	68.15	225.43	447,246.17	840,095.71	32° 13' 33.108 N	103° 22' 1.935 W
6,254.22	11.09	90.33	6,232.48	68.09	235.86	447,246.11	840,106.14	32° 13' 33.107 N	103° 22' 1.813 W
Cherry Canyon									
6,300.00	11.09	90.33	6,277.40	68.04	244.67	447,246.06	840,114.95	32° 13' 33.105 N	103° 22' 1.711 W
6,400.00	11.09	90.33	6,375.53	67.93	263.91	447,245.95	840,134.18	32° 13' 33.103 N	103° 22' 1.487 W
6,500.00	11.09	90.33	6,473.66	67.82	283.14	447,245.84	840,153.42	32° 13' 33.100 N	103° 22' 1.263 W
6,600.00	11.09	90.33	6,571.80	67.70	302.38	447,245.72	840,172.66	32° 13' 33.097 N	103° 22' 1.039 W
6,700.00	11.09	90.33	6,669.93	67.59	321.62	447,245.61	840,191.90	32° 13' 33.094 N	103° 22' 0.815 W
6,800.00	11.09	90.33	6,768.06	67.48	340.86	447,245.50	840,211.14	32° 13' 33.091 N	103° 22' 0.591 W
6,900.00	11.09	90.33	6,866.19	67.37	360.10	447,245.39	840,230.38	32° 13' 33.089 N	103° 22' 0.367 W
7,000.00	11.09	90.33	6,964.32	67.26	379.34	447,245.28	840,249.61	32° 13' 33.086 N	103° 22' 0.143 W
7,100.00	11.09	90.33	7,062.46	67.14	398.58	447,245.16	840,268.85	32° 13' 33.083 N	103° 21' 59.919 W
7,200.00	11.09	90.33	7,160.59	67.03	417.81	447,245.05	840,288.09	32° 13' 33.080 N	103° 21' 59.695 W
7,300.00	11.09	90.33	7,258.72	66.92	437.05	447,244.94	840,307.33	32° 13' 33.077 N	103° 21' 59.471 W
7,400.00	11.09	90.33	7,356.85	66.81	456.29	447,244.83	840,326.57	32° 13' 33.074 N	103° 21' 59.247 W
7,500.00	11.09	90.33	7,454.98	66.70	475.53	447,244.72	840,345.81	32° 13' 33.072 N	103° 21' 59.024 W
7,600.00	11.09	90.33	7,553.12	66.59	494.77	447,244.61	840,365.05	32° 13' 33.069 N	103° 21' 58.800 W
7,621.80	11.09	90.33	7,574.51	66.56	498.96	447,244.58	840,369.24	32° 13' 33.068 N	103° 21' 58.751 W
Brushy Canyon									
7,700.00	11.09	90.33	7,651.25	66.47	514.01	447,244.49	840,384.28	32° 13' 33.066 N	103° 21' 58.576 W
7,800.00	11.09	90.33	7,749.38	66.36	533.24	447,244.38	840,403.52	32° 13' 33.063 N	103° 21' 58.352 W
7,900.00	11.09	90.33	7,847.51	66.25	552.48	447,244.27	840,422.76	32° 13' 33.060 N	103° 21' 58.128 W
8,000.00	11.09	90.33	7,945.64	66.14	571.72	447,244.16	840,442.00	32° 13' 33.058 N	103° 21' 57.904 W
8,100.00	11.09	90.33	8,043.78	66.03	590.96	447,244.05	840,461.24	32° 13' 33.055 N	103° 21' 57.680 W
8,200.00	11.09	90.33	8,141.91	65.92	610.20	447,243.94	840,480.48	32° 13' 33.052 N	103° 21' 57.456 W
8,300.00	11.09	90.33	8,240.04	65.80	629.44	447,243.82	840,499.71	32° 13' 33.049 N	103° 21' 57.232 W
8,400.00	11.09	90.33	8,338.17	65.69	648.68	447,243.71	840,518.95	32° 13' 33.046 N	103° 21' 57.008 W
8,500.00	11.09	90.33	8,436.30	65.58	667.91	447,243.60	840,538.19	32° 13' 33.043 N	103° 21' 56.784 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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	11.09	90.33	8,534.43	65.47	687.15	447,243.49	840,557.43	32° 13' 33.041 N	103° 21' 56.560 W
8,700.00	11.09	90.33	8,632.57	65.36	706.39	447,243.38	840,576.67	32° 13' 33.038 N	103° 21' 56.336 W
8,742.07	11.09	90.33	8,673.85	65.31	714.48	447,243.33	840,584.76	32° 13' 33.037 N	103° 21' 56.242 W
Start Drop -2.00									
8,800.00	9.93	90.33	8,730.81	65.25	725.05	447,243.27	840,595.33	32° 13' 33.035 N	103° 21' 56.119 W
8,900.00	7.93	90.33	8,829.59	65.16	740.58	447,243.18	840,610.86	32° 13' 33.033 N	103° 21' 55.938 W
8,954.41	6.85	90.33	8,883.55	65.12	747.58	447,243.14	840,617.86	32° 13' 33.032 N	103° 21' 55.857 W
Bone Spring Lime									
8,980.58	6.32	90.33	8,909.55	65.10	750.58	447,243.12	840,620.86	32° 13' 33.031 N	103° 21' 55.822 W
Avalon									
9,000.00	5.93	90.33	8,928.85	65.09	752.65	447,243.11	840,622.93	32° 13' 33.031 N	103° 21' 55.798 W
9,100.00	3.93	90.33	9,028.48	65.04	761.25	447,243.06	840,631.53	32° 13' 33.030 N	103° 21' 55.698 W
9,200.00	1.93	90.33	9,128.34	65.01	766.37	447,243.03	840,636.65	32° 13' 33.029 N	103° 21' 55.638 W
9,296.68	0.00	0.00	9,225.00	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
Start 305.64 hold at 9296.68 MD									
9,300.00	0.00	0.00	9,228.32	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
9,400.00	0.00	0.00	9,328.32	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
9,500.00	0.00	0.00	9,428.32	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
9,600.00	0.00	0.00	9,528.32	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
9,602.32	0.00	0.00	9,530.64	65.00	768.00	447,243.02	840,638.28	32° 13' 33.029 N	103° 21' 55.619 W
Start Build 10.00									
9,700.00	9.77	0.00	9,627.85	73.30	768.00	447,251.32	840,638.28	32° 13' 33.111 N	103° 21' 55.618 W
9,800.00	19.77	0.00	9,724.42	98.76	768.00	447,276.78	840,638.28	32° 13' 33.363 N	103° 21' 55.616 W
9,900.00	29.77	0.00	9,815.11	140.60	768.01	447,318.62	840,638.28	32° 13' 33.777 N	103° 21' 55.611 W
10,000.00	39.77	0.00	9,897.15	197.56	768.01	447,375.58	840,638.29	32° 13' 34.340 N	103° 21' 55.605 W
10,100.00	49.77	0.00	9,968.06	267.89	768.01	447,445.91	840,638.29	32° 13' 35.036 N	103° 21' 55.598 W
10,144.13	54.18	0.00	9,995.24	302.64	768.02	447,480.66	840,638.29	32° 13' 35.380 N	103° 21' 55.594 W
First Bone Spring Sand									
10,200.00	59.77	0.00	10,025.68	349.47	768.02	447,527.49	840,638.30	32° 13' 35.843 N	103° 21' 55.589 W
10,300.00	69.77	0.00	10,068.25	439.81	768.03	447,617.83	840,638.30	32° 13' 36.737 N	103° 21' 55.580 W
10,400.00	79.77	0.00	10,094.49	536.18	768.03	447,714.20	840,638.31	32° 13' 37.691 N	103° 21' 55.569 W
10,500.00	89.77	0.00	10,103.60	635.63	768.04	447,813.65	840,638.32	32° 13' 38.675 N	103° 21' 55.559 W
10,515.12	91.28	0.00	10,103.46	650.76	768.04	447,828.77	840,638.32	32° 13' 38.825 N	103° 21' 55.557 W
Start 9450.35 hold at 10515.12 MD									
10,600.00	91.28	0.00	10,101.56	735.61	768.05	447,913.63	840,638.33	32° 13' 39.664 N	103° 21' 55.548 W
10,700.00	91.28	0.00	10,099.33	835.59	768.06	448,013.61	840,638.33	32° 13' 40.653 N	103° 21' 55.538 W
10,800.00	91.28	0.00	10,097.10	935.56	768.06	448,113.58	840,638.34	32° 13' 41.643 N	103° 21' 55.527 W
10,900.00	91.28	0.00	10,094.86	1,035.54	768.07	448,213.56	840,638.35	32° 13' 42.632 N	103° 21' 55.517 W
11,000.00	91.28	0.00	10,092.63	1,135.51	768.08	448,313.53	840,638.35	32° 13' 43.621 N	103° 21' 55.506 W
11,100.00	91.28	0.00	10,090.39	1,235.49	768.08	448,413.50	840,638.36	32° 13' 44.610 N	103° 21' 55.496 W
11,200.00	91.28	0.00	10,088.16	1,335.46	768.09	448,513.48	840,638.37	32° 13' 45.600 N	103° 21' 55.485 W
11,300.00	91.28	0.00	10,085.93	1,435.44	768.10	448,613.45	840,638.38	32° 13' 46.589 N	103° 21' 55.474 W
11,400.00	91.28	0.00	10,083.69	1,535.41	768.11	448,713.43	840,638.38	32° 13' 47.578 N	103° 21' 55.464 W
11,500.00	91.28	0.00	10,081.46	1,635.39	768.11	448,813.40	840,638.39	32° 13' 48.567 N	103° 21' 55.453 W
11,600.00	91.28	0.00	10,079.23	1,735.36	768.12	448,913.38	840,638.40	32° 13' 49.556 N	103° 21' 55.443 W
11,700.00	91.28	0.00	10,076.99	1,835.34	768.13	449,013.35	840,638.40	32° 13' 50.546 N	103° 21' 55.432 W
11,800.00	91.28	0.00	10,074.76	1,935.31	768.13	449,113.33	840,638.41	32° 13' 51.535 N	103° 21' 55.422 W
11,900.00	91.28	0.00	10,072.52	2,035.29	768.14	449,213.30	840,638.42	32° 13' 52.524 N	103° 21' 55.411 W
12,000.00	91.28	0.00	10,070.29	2,135.26	768.15	449,313.28	840,638.43	32° 13' 53.513 N	103° 21' 55.400 W
12,100.00	91.28	0.00	10,068.06	2,235.24	768.16	449,413.25	840,638.43	32° 13' 54.502 N	103° 21' 55.390 W
12,200.00	91.28	0.00	10,065.82	2,335.21	768.16	449,513.23	840,638.44	32° 13' 55.492 N	103° 21' 55.379 W
12,300.00	91.28	0.00	10,063.59	2,435.19	768.17	449,613.20	840,638.45	32° 13' 56.481 N	103° 21' 55.369 W
12,400.00	91.28	0.00	10,061.35	2,535.16	768.18	449,713.18	840,638.45	32° 13' 57.470 N	103° 21' 55.358 W
12,500.00	91.28	0.00	10,059.12	2,635.14	768.18	449,813.15	840,638.46	32° 13' 58.459 N	103° 21' 55.348 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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
12,600.00	91.28	0.00	10,056.89	2,735.11	768.19	449,913.13	840,638.47	32° 13' 59.449 N	103° 21' 55.337 W
12,700.00	91.28	0.00	10,054.65	2,835.09	768.20	450,013.10	840,638.48	32° 14' 0.438 N	103° 21' 55.326 W
12,800.00	91.28	0.00	10,052.42	2,935.06	768.21	450,113.08	840,638.48	32° 14' 1.427 N	103° 21' 55.316 W
12,900.00	91.28	0.00	10,050.19	3,035.04	768.21	450,213.05	840,638.49	32° 14' 2.416 N	103° 21' 55.305 W
13,000.00	91.28	0.00	10,047.95	3,135.01	768.22	450,313.03	840,638.50	32° 14' 3.405 N	103° 21' 55.295 W
13,100.00	91.28	0.00	10,045.72	3,234.99	768.23	450,413.00	840,638.51	32° 14' 4.395 N	103° 21' 55.284 W
13,200.00	91.28	0.00	10,043.48	3,334.96	768.24	450,512.98	840,638.51	32° 14' 5.384 N	103° 21' 55.274 W
13,300.00	91.28	0.00	10,041.25	3,434.94	768.24	450,612.95	840,638.52	32° 14' 6.373 N	103° 21' 55.263 W
13,400.00	91.28	0.00	10,039.02	3,534.91	768.25	450,712.93	840,638.53	32° 14' 7.362 N	103° 21' 55.252 W
13,500.00	91.28	0.00	10,036.78	3,634.89	768.26	450,812.90	840,638.53	32° 14' 8.351 N	103° 21' 55.242 W
13,600.00	91.28	0.00	10,034.55	3,734.86	768.26	450,912.88	840,638.54	32° 14' 9.341 N	103° 21' 55.231 W
13,700.00	91.28	0.00	10,032.31	3,834.84	768.27	451,012.85	840,638.55	32° 14' 10.330 N	103° 21' 55.221 W
13,800.00	91.28	0.00	10,030.08	3,934.81	768.28	451,112.83	840,638.56	32° 14' 11.319 N	103° 21' 55.210 W
13,900.00	91.28	0.00	10,027.85	4,034.79	768.29	451,212.80	840,638.56	32° 14' 12.308 N	103° 21' 55.200 W
14,000.00	91.28	0.00	10,025.61	4,134.76	768.29	451,312.78	840,638.57	32° 14' 13.298 N	103° 21' 55.189 W
14,100.00	91.28	0.00	10,023.38	4,234.74	768.30	451,412.75	840,638.58	32° 14' 14.287 N	103° 21' 55.178 W
14,200.00	91.28	0.00	10,021.15	4,334.71	768.31	451,512.73	840,638.58	32° 14' 15.276 N	103° 21' 55.168 W
14,300.00	91.28	0.00	10,018.91	4,434.69	768.31	451,612.70	840,638.59	32° 14' 16.265 N	103° 21' 55.157 W
14,400.00	91.28	0.00	10,016.68	4,534.66	768.32	451,712.67	840,638.60	32° 14' 17.254 N	103° 21' 55.147 W
14,500.00	91.28	0.00	10,014.44	4,634.64	768.33	451,812.65	840,638.61	32° 14' 18.244 N	103° 21' 55.136 W
14,600.00	91.28	0.00	10,012.21	4,734.61	768.34	451,912.62	840,638.61	32° 14' 19.233 N	103° 21' 55.126 W
14,700.00	91.28	0.00	10,009.98	4,834.59	768.34	452,012.60	840,638.62	32° 14' 20.222 N	103° 21' 55.115 W
14,800.00	91.28	0.00	10,007.74	4,934.56	768.35	452,112.57	840,638.63	32° 14' 21.211 N	103° 21' 55.104 W
14,900.00	91.28	0.00	10,005.51	5,034.54	768.36	452,212.55	840,638.63	32° 14' 22.200 N	103° 21' 55.094 W
15,000.00	91.28	0.00	10,003.27	5,134.51	768.36	452,312.52	840,638.64	32° 14' 23.190 N	103° 21' 55.083 W
15,100.00	91.28	0.00	10,001.04	5,234.49	768.37	452,412.50	840,638.65	32° 14' 24.179 N	103° 21' 55.073 W
15,200.00	91.28	0.00	9,998.81	5,334.46	768.38	452,512.47	840,638.66	32° 14' 25.168 N	103° 21' 55.062 W
15,300.00	91.28	0.00	9,996.57	5,434.44	768.39	452,612.45	840,638.66	32° 14' 26.157 N	103° 21' 55.051 W
15,400.00	91.28	0.00	9,994.34	5,534.41	768.39	452,712.42	840,638.67	32° 14' 27.146 N	103° 21' 55.041 W
15,500.00	91.28	0.00	9,992.11	5,634.39	768.40	452,812.40	840,638.68	32° 14' 28.136 N	103° 21' 55.030 W
15,600.00	91.28	0.00	9,989.87	5,734.36	768.41	452,912.37	840,638.69	32° 14' 29.125 N	103° 21' 55.020 W
15,700.00	91.28	0.00	9,987.64	5,834.34	768.41	453,012.35	840,638.69	32° 14' 30.114 N	103° 21' 55.009 W
15,800.00	91.28	0.00	9,985.40	5,934.31	768.42	453,112.32	840,638.70	32° 14' 31.103 N	103° 21' 54.999 W
15,900.00	91.28	0.00	9,983.17	6,034.29	768.43	453,212.30	840,638.71	32° 14' 32.093 N	103° 21' 54.988 W
16,000.00	91.28	0.00	9,980.94	6,134.26	768.44	453,312.27	840,638.71	32° 14' 33.082 N	103° 21' 54.977 W
16,100.00	91.28	0.00	9,978.70	6,234.24	768.44	453,412.25	840,638.72	32° 14' 34.071 N	103° 21' 54.967 W
16,200.00	91.28	0.00	9,976.47	6,334.21	768.45	453,512.22	840,638.73	32° 14' 35.060 N	103° 21' 54.956 W
16,300.00	91.28	0.00	9,974.23	6,434.19	768.46	453,612.20	840,638.74	32° 14' 36.049 N	103° 21' 54.946 W
16,400.00	91.28	0.00	9,972.00	6,534.16	768.47	453,712.17	840,638.74	32° 14' 37.039 N	103° 21' 54.935 W
16,500.00	91.28	0.00	9,969.77	6,634.14	768.47	453,812.15	840,638.75	32° 14' 38.028 N	103° 21' 54.925 W
16,600.00	91.28	0.00	9,967.53	6,734.12	768.48	453,912.12	840,638.76	32° 14' 39.017 N	103° 21' 54.914 W
16,700.00	91.28	0.00	9,965.30	6,834.09	768.49	454,012.10	840,638.76	32° 14' 40.006 N	103° 21' 54.903 W
16,800.00	91.28	0.00	9,963.07	6,934.07	768.49	454,112.07	840,638.77	32° 14' 40.995 N	103° 21' 54.893 W
16,900.00	91.28	0.00	9,960.83	7,034.04	768.50	454,212.05	840,638.78	32° 14' 41.985 N	103° 21' 54.882 W
17,000.00	91.28	0.00	9,958.60	7,134.02	768.51	454,312.02	840,638.79	32° 14' 42.974 N	103° 21' 54.872 W
17,100.00	91.28	0.00	9,956.36	7,233.99	768.52	454,412.00	840,638.79	32° 14' 43.963 N	103° 21' 54.861 W
17,200.00	91.28	0.00	9,954.13	7,333.97	768.52	454,511.97	840,638.80	32° 14' 44.952 N	103° 21' 54.851 W
17,300.00	91.28	0.00	9,951.90	7,433.94	768.53	454,611.95	840,638.81	32° 14' 45.942 N	103° 21' 54.840 W
17,400.00	91.28	0.00	9,949.66	7,533.92	768.54	454,711.92	840,638.81	32° 14' 46.931 N	103° 21' 54.829 W
17,500.00	91.28	0.00	9,947.43	7,633.89	768.54	454,811.90	840,638.82	32° 14' 47.920 N	103° 21' 54.819 W
17,600.00	91.28	0.00	9,945.20	7,733.87	768.55	454,911.87	840,638.83	32° 14' 48.909 N	103° 21' 54.808 W
17,700.00	91.28	0.00	9,942.96	7,833.84	768.56	455,011.84	840,638.84	32° 14' 49.898 N	103° 21' 54.798 W
17,800.00	91.28	0.00	9,940.73	7,933.82	768.57	455,111.82	840,638.84	32° 14' 50.888 N	103° 21' 54.787 W
17,900.00	91.28	0.00	9,938.49	8,033.79	768.57	455,211.79	840,638.85	32° 14' 51.877 N	103° 21' 54.776 W
18,000.00	91.28	0.00	9,936.26	8,133.77	768.58	455,311.77	840,638.86	32° 14' 52.866 N	103° 21' 54.766 W

Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Breckenridge Fed Com 302H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	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
18,100.00	91.28	0.00	9,934.03	8,233.74	768.59	455,411.74	840,638.86	32° 14' 53.855 N	103° 21' 54.755 W
18,200.00	91.28	0.00	9,931.79	8,333.72	768.59	455,511.72	840,638.87	32° 14' 54.844 N	103° 21' 54.745 W
18,300.00	91.28	0.00	9,929.56	8,433.69	768.60	455,611.69	840,638.88	32° 14' 55.834 N	103° 21' 54.734 W
18,400.00	91.28	0.00	9,927.32	8,533.67	768.61	455,711.67	840,638.89	32° 14' 56.823 N	103° 21' 54.724 W
18,500.00	91.28	0.00	9,925.09	8,633.64	768.62	455,811.64	840,638.89	32° 14' 57.812 N	103° 21' 54.713 W
18,600.00	91.28	0.00	9,922.86	8,733.62	768.62	455,911.62	840,638.90	32° 14' 58.801 N	103° 21' 54.702 W
18,700.00	91.28	0.00	9,920.62	8,833.59	768.63	456,011.59	840,638.91	32° 14' 59.790 N	103° 21' 54.692 W
18,800.00	91.28	0.00	9,918.39	8,933.57	768.64	456,111.57	840,638.92	32° 15' 0.780 N	103° 21' 54.681 W
18,900.00	91.28	0.00	9,916.16	9,033.54	768.64	456,211.54	840,638.92	32° 15' 1.769 N	103° 21' 54.671 W
19,000.00	91.28	0.00	9,913.92	9,133.52	768.65	456,311.52	840,638.93	32° 15' 2.758 N	103° 21' 54.660 W
19,100.00	91.28	0.00	9,911.69	9,233.49	768.66	456,411.49	840,638.94	32° 15' 3.747 N	103° 21' 54.650 W
19,200.00	91.28	0.00	9,909.45	9,333.47	768.67	456,511.47	840,638.94	32° 15' 4.737 N	103° 21' 54.639 W
19,300.00	91.28	0.00	9,907.22	9,433.44	768.67	456,611.44	840,638.95	32° 15' 5.726 N	103° 21' 54.628 W
19,400.00	91.28	0.00	9,904.99	9,533.42	768.68	456,711.42	840,638.96	32° 15' 6.715 N	103° 21' 54.618 W
19,500.00	91.28	0.00	9,902.75	9,633.39	768.69	456,811.39	840,638.97	32° 15' 7.704 N	103° 21' 54.607 W
19,600.00	91.28	0.00	9,900.52	9,733.37	768.70	456,911.37	840,638.97	32° 15' 8.693 N	103° 21' 54.597 W
19,700.00	91.28	0.00	9,898.28	9,833.34	768.70	457,011.34	840,638.98	32° 15' 9.683 N	103° 21' 54.586 W
19,800.00	91.28	0.00	9,896.05	9,933.32	768.71	457,111.32	840,638.99	32° 15' 10.672 N	103° 21' 54.575 W
19,900.00	91.28	0.00	9,893.82	10,033.29	768.72	457,211.29	840,638.99	32° 15' 11.661 N	103° 21' 54.565 W
19,965.48	91.28	0.00	9,892.35	10,098.75	768.72	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 W
TD at 19965.48 - Breckenridge 302H PBHL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Breckenridge 302H PBH - plan hits target center - Point	0.00	0.01	9,892.35	10,098.75	768.72	457,276.75	840,639.00	32° 15' 12.309 N	103° 21' 54.558 W

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
21.00	21.00	Cenozoic Alluvium (surface)		-1.28	0.00
906.00	906.00	Rustler		-1.28	0.00
1,003.00	1,003.00	Salado		-1.28	0.00
2,927.55	2,927.27	Base Salt		-1.28	0.00
5,225.19	5,222.46	Lamar		-1.28	0.00
5,330.95	5,326.46	Bell Canyon		-1.28	0.00
6,254.22	6,232.48	Cherry Canyon		-1.28	0.00
7,621.80	7,574.51	Brushy Canyon		-1.28	0.00
8,954.41	8,883.55	Bone Spring Lime		-1.28	0.00
8,980.58	8,909.55	Avalon		-1.28	0.00
10,144.13	9,995.24	First Bone Spring Sand		-1.28	0.00

Planning Report - Geographic

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Project:	Golden - Breckenridge Site	MD Reference:	GL 3374' + RBK 21' @ 3395.00ft
Site:	Lea County, NM (NAD 83)	North Reference:	Grid
Well:	Breckenridge Fed Com 302H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (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 3650.56 hold at 1100.00 MD
4,750.56	4,750.00	64.58	0.00	Start DLS 2.00 TFO 95.42
5,307.68	5,303.62	69.15	53.76	Start 3434.39 hold at 5307.68 MD
8,742.07	8,673.85	65.31	714.48	Start Drop -2.00
9,296.68	9,225.00	65.00	768.00	Start 305.64 hold at 9296.68 MD
9,602.32	9,530.64	65.00	768.00	Start Build 10.00
10,515.12	10,103.46	650.76	768.04	Start 9450.35 hold at 10515.12 MD
19,965.48	9,892.35	10,098.75	768.72	TD at 19965.48