

Franklin Mountain Energy

DrilTech, LLC

Georgetown - Ouray Site
Ouray FED COM 602H
Lateral Profile 602H
Plan#1
TBD



SURFACE LOCATION

US State Plane 1983
New Mexico Eastern Zone
Elevation: 3393' + 21' RKB @ 3414.00ft (TBD)

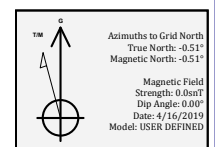
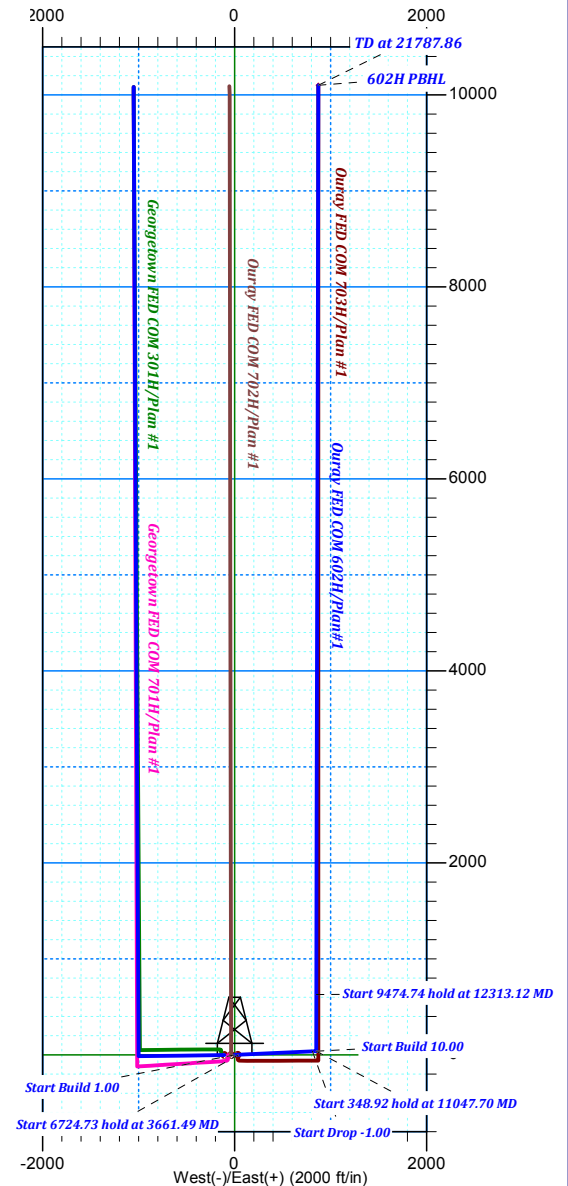
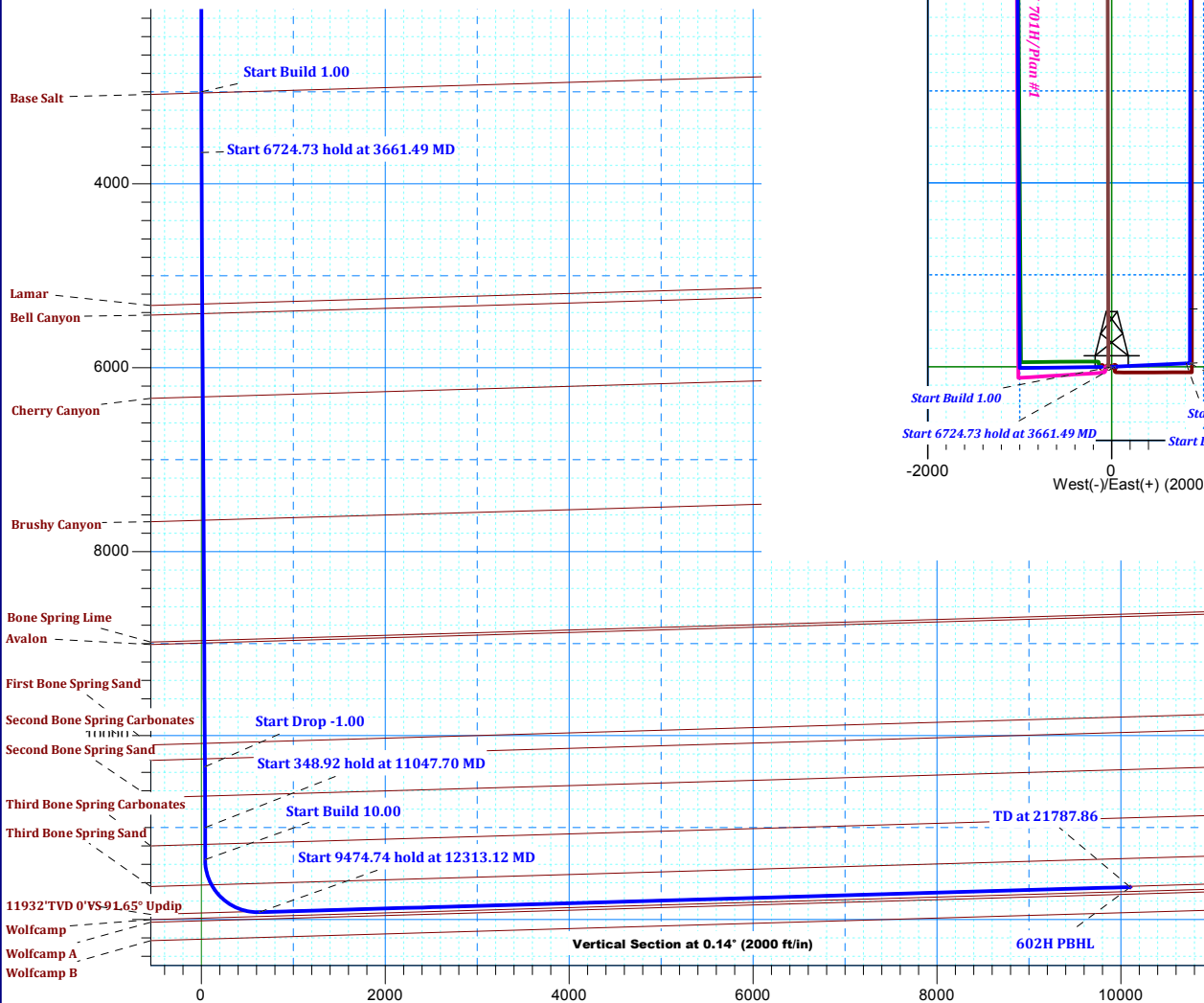
Northing	Easting	Latitude	Longitude	Slot
447152.99	837122.81	32° 13' 32.450 N	103° 22' 36.550 W	

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
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00
3661.49	6.61	87.31	3660.02	1.79	38.10	1.00	87.31	1.89
10386.22	6.61	87.31	10339.98	38.21	811.90	0.00	0.00	40.19
11047.70	0.00	0.00	11000.00	40.00	850.00	1.00	180.00	42.08
11396.62	0.00	0.00	11348.92	40.00	850.00	0.00	0.00	42.08
12313.12	91.65	0.14	11921.64	629.45	851.39	10.00	0.14	631.53
21787.86	91.65	0.14	11648.82	10100.24	873.78	0.00	0.00	10102.35

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
602H PBHL	11648.82	10100.24	873.78	457253.21	837996.59





Franklin Mountain Energy

**Georgetown - Ouray Site
Lea County NM (NAD 83)
Ouray FED COM 602H**

Lateral Profile 602H

Plan: Plan#1

Standard Planning Report

08 July, 2019



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
Design:	Plan#1		

Project	Georgetown - Ouray Site, 6 - well pad		
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:	447,152.68 usft
From:	Map	Easting:	837,087.82 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	32° 13' 32.450 N
		Longitude:	103° 22' 36.957 W
		Grid Convergence:	0.51 °

Well	Ouray FED COM 602H		
Well Position	+N/-S	0.31 ft	Northing: 447,152.99 usft
	+E/-W	34.99 ft	Easting: 837,122.81 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Ground Level: 3,393.00 ft

Wellbore	Lateral Profile 602H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	4/16/2019	0.00	0.00	0.00000000

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	0.14

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	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,661.49	6.61	87.31	3,660.02	1.79	38.10	1.00	1.00	0.00	87.31	
10,386.22	6.61	87.31	10,339.98	38.21	811.90	0.00	0.00	0.00	0.00	
11,047.70	0.00	0.00	11,000.00	40.00	850.00	1.00	-1.00	0.00	180.00	
11,396.62	0.00	0.00	11,348.92	40.00	850.00	0.00	0.00	0.00	0.00	
12,313.12	91.65	0.14	11,921.64	629.45	851.39	10.00	10.00	0.00	0.14	
21,787.86	91.65	0.14	11,648.82	10,100.24	873.78	0.00	0.00	0.00	0.00	602H PBHL



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Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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
991.00	0.00	0.00	991.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,088.00	0.00	0.00	1,088.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.00									
3,013.00	0.13	87.31	3,013.00	0.00	0.01	0.00	1.00	1.00	0.00
Base Salt									
3,100.00	1.00	87.31	3,099.99	0.04	0.87	0.04	1.00	1.00	0.00
3,200.00	2.00	87.31	3,199.96	0.16	3.49	0.17	1.00	1.00	0.00
3,300.00	3.00	87.31	3,299.86	0.37	7.84	0.39	1.00	1.00	0.00
3,400.00	4.00	87.31	3,399.68	0.66	13.94	0.69	1.00	1.00	0.00
3,500.00	5.00	87.31	3,499.37	1.02	21.78	1.08	1.00	1.00	0.00
3,600.00	6.00	87.31	3,598.90	1.48	31.35	1.55	1.00	1.00	0.00
3,661.49	6.61	87.31	3,660.02	1.79	38.10	1.89	1.00	1.00	0.00
Start 6724.73 hold at 3661.49 MD									
3,700.00	6.61	87.31	3,698.28	2.00	42.53	2.11	0.00	0.00	0.00
3,800.00	6.61	87.31	3,797.61	2.54	54.04	2.68	0.00	0.00	0.00
3,900.00	6.61	87.31	3,896.94	3.08	65.55	3.24	0.00	0.00	0.00
4,000.00	6.61	87.31	3,996.28	3.63	77.05	3.81	0.00	0.00	0.00
4,100.00	6.61	87.31	4,095.61	4.17	88.56	4.38	0.00	0.00	0.00



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Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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)
4,200.00	6.61	87.31	4,194.95	4.71	100.07	4.95	0.00	0.00	0.00
4,300.00	6.61	87.31	4,294.28	5.25	111.57	5.52	0.00	0.00	0.00
4,400.00	6.61	87.31	4,393.62	5.79	123.08	6.09	0.00	0.00	0.00
4,500.00	6.61	87.31	4,492.95	6.33	134.59	6.66	0.00	0.00	0.00
4,600.00	6.61	87.31	4,592.28	6.87	146.09	7.23	0.00	0.00	0.00
4,700.00	6.61	87.31	4,691.62	7.42	157.60	7.80	0.00	0.00	0.00
4,800.00	6.61	87.31	4,790.95	7.96	169.11	8.37	0.00	0.00	0.00
4,900.00	6.61	87.31	4,890.29	8.50	180.61	8.94	0.00	0.00	0.00
5,000.00	6.61	87.31	4,989.62	9.04	192.12	9.51	0.00	0.00	0.00
5,100.00	6.61	87.31	5,088.96	9.58	203.63	10.08	0.00	0.00	0.00
5,200.00	6.61	87.31	5,188.29	10.12	215.13	10.65	0.00	0.00	0.00
5,300.00	6.61	87.31	5,287.62	10.66	226.64	11.22	0.00	0.00	0.00
5,321.19	6.61	87.31	5,308.67	10.78	229.08	11.34	0.00	0.00	0.00
Lamar									
5,400.00	6.61	87.31	5,386.96	11.21	238.15	11.79	0.00	0.00	0.00
5,425.87	6.61	87.31	5,412.66	11.35	241.12	11.94	0.00	0.00	0.00
Bell Canyon									
5,500.00	6.61	87.31	5,486.29	11.75	249.65	12.36	0.00	0.00	0.00
5,600.00	6.61	87.31	5,585.63	12.29	261.16	12.93	0.00	0.00	0.00
5,700.00	6.61	87.31	5,684.96	12.83	272.67	13.50	0.00	0.00	0.00
5,800.00	6.61	87.31	5,784.30	13.37	284.17	14.07	0.00	0.00	0.00
5,900.00	6.61	87.31	5,883.63	13.91	295.68	14.64	0.00	0.00	0.00
6,000.00	6.61	87.31	5,982.96	14.46	307.19	15.21	0.00	0.00	0.00
6,100.00	6.61	87.31	6,082.30	15.00	318.69	15.78	0.00	0.00	0.00
6,200.00	6.61	87.31	6,181.63	15.54	330.20	16.35	0.00	0.00	0.00
6,300.00	6.61	87.31	6,280.97	16.08	341.71	16.92	0.00	0.00	0.00
6,337.79	6.61	87.31	6,318.51	16.28	346.06	17.13	0.00	0.00	0.00
Cherry Canyon									
6,400.00	6.61	87.31	6,380.30	16.62	353.21	17.48	0.00	0.00	0.00
6,500.00	6.61	87.31	6,479.64	17.16	364.72	18.05	0.00	0.00	0.00
6,600.00	6.61	87.31	6,578.97	17.70	376.23	18.62	0.00	0.00	0.00
6,700.00	6.61	87.31	6,678.30	18.25	387.74	19.19	0.00	0.00	0.00
6,800.00	6.61	87.31	6,777.64	18.79	399.24	19.76	0.00	0.00	0.00
6,900.00	6.61	87.31	6,876.97	19.33	410.75	20.33	0.00	0.00	0.00
7,000.00	6.61	87.31	6,976.31	19.87	422.26	20.90	0.00	0.00	0.00
7,100.00	6.61	87.31	7,075.64	20.41	433.76	21.47	0.00	0.00	0.00
7,200.00	6.61	87.31	7,174.98	20.95	445.27	22.04	0.00	0.00	0.00
7,300.00	6.61	87.31	7,274.31	21.49	456.78	22.61	0.00	0.00	0.00
7,400.00	6.61	87.31	7,373.64	22.04	468.28	23.18	0.00	0.00	0.00
7,500.00	6.61	87.31	7,472.98	22.58	479.79	23.75	0.00	0.00	0.00
7,600.00	6.61	87.31	7,572.31	23.12	491.30	24.32	0.00	0.00	0.00
7,688.56	6.61	87.31	7,660.29	23.60	501.49	24.82	0.00	0.00	0.00
Brushy Canyon									
7,700.00	6.61	87.31	7,671.65	23.66	502.80	24.89	0.00	0.00	0.00
7,800.00	6.61	87.31	7,770.98	24.20	514.31	25.46	0.00	0.00	0.00
7,900.00	6.61	87.31	7,870.32	24.74	525.82	26.03	0.00	0.00	0.00
8,000.00	6.61	87.31	7,969.65	25.28	537.32	26.60	0.00	0.00	0.00
8,100.00	6.61	87.31	8,068.98	25.83	548.83	27.17	0.00	0.00	0.00
8,200.00	6.61	87.31	8,168.32	26.37	560.34	27.74	0.00	0.00	0.00
8,300.00	6.61	87.31	8,267.65	26.91	571.84	28.31	0.00	0.00	0.00
8,400.00	6.61	87.31	8,366.99	27.45	583.35	28.88	0.00	0.00	0.00
8,500.00	6.61	87.31	8,466.32	27.99	594.86	29.45	0.00	0.00	0.00
8,600.00	6.61	87.31	8,565.66	28.53	606.36	30.02	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)
8,700.00	6.61	87.31	8,664.99	29.07	617.87	30.59	0.00	0.00	0.00
8,800.00	6.61	87.31	8,764.32	29.62	629.38	31.16	0.00	0.00	0.00
8,900.00	6.61	87.31	8,863.66	30.16	640.88	31.73	0.00	0.00	0.00
9,000.00	6.61	87.31	8,962.99	30.70	652.39	32.29	0.00	0.00	0.00
9,006.12	6.61	87.31	8,969.07	30.73	653.09	32.33	0.00	0.00	0.00
Bone Spring Lime									
9,032.29	6.61	87.31	8,995.06	30.87	656.11	32.48	0.00	0.00	0.00
Avalon									
9,100.00	6.61	87.31	9,062.33	31.24	663.90	32.86	0.00	0.00	0.00
9,200.00	6.61	87.31	9,161.66	31.78	675.40	33.43	0.00	0.00	0.00
9,300.00	6.61	87.31	9,261.00	32.32	686.91	34.00	0.00	0.00	0.00
9,400.00	6.61	87.31	9,360.33	32.87	698.42	34.57	0.00	0.00	0.00
9,500.00	6.61	87.31	9,459.66	33.41	709.92	35.14	0.00	0.00	0.00
9,600.00	6.61	87.31	9,559.00	33.95	721.43	35.71	0.00	0.00	0.00
9,700.00	6.61	87.31	9,658.33	34.49	732.94	36.28	0.00	0.00	0.00
9,800.00	6.61	87.31	9,757.67	35.03	744.45	36.85	0.00	0.00	0.00
9,900.00	6.61	87.31	9,857.00	35.57	755.95	37.42	0.00	0.00	0.00
10,000.00	6.61	87.31	9,956.34	36.11	767.46	37.99	0.00	0.00	0.00
10,100.00	6.61	87.31	10,055.67	36.66	778.97	38.56	0.00	0.00	0.00
10,130.42	6.61	87.31	10,085.88	36.82	782.47	38.73	0.00	0.00	0.00
First Bone Spring Sand									
10,200.00	6.61	87.31	10,155.00	37.20	790.47	39.13	0.00	0.00	0.00
10,299.52	6.61	87.31	10,253.86	37.74	801.92	39.70	0.00	0.00	0.00
Second Bone Spring Carbonates									
10,300.00	6.61	87.31	10,254.34	37.74	801.98	39.70	0.00	0.00	0.00
10,386.22	6.61	87.31	10,339.98	38.21	811.90	40.19	0.00	0.00	0.00
Start Drop -1.00									
10,400.00	6.48	87.31	10,353.67	38.28	813.47	40.27	1.00	-1.00	0.00
10,500.00	5.48	87.31	10,453.13	38.77	823.87	40.78	1.00	-1.00	0.00
10,600.00	4.48	87.31	10,552.75	39.18	832.54	41.21	1.00	-1.00	0.00
10,700.00	3.48	87.31	10,652.51	39.50	839.46	41.56	1.00	-1.00	0.00
10,708.31	3.39	87.31	10,660.80	39.53	839.96	41.58	1.00	-1.00	0.00
Second Bone Spring Sand									
10,800.00	2.48	87.31	10,752.37	39.75	844.65	41.81	1.00	-1.00	0.00
10,900.00	1.48	87.31	10,852.31	39.91	848.10	41.98	1.00	-1.00	0.00
11,000.00	0.48	87.31	10,952.30	39.99	849.80	42.07	1.00	-1.00	0.00
11,047.70	0.00	0.00	11,000.00	40.00	850.00	42.08	1.00	-1.00	-183.01
Start 348.92 hold at 11047.70 MD									
11,100.00	0.00	0.00	11,052.30	40.00	850.00	42.08	0.00	0.00	0.00
11,200.00	0.00	0.00	11,152.30	40.00	850.00	42.08	0.00	0.00	0.00
11,232.49	0.00	0.00	11,184.79	40.00	850.00	42.08	0.00	0.00	0.00
Third Bone Spring Carbonates									
11,300.00	0.00	0.00	11,252.30	40.00	850.00	42.08	0.00	0.00	0.00
11,396.62	0.00	0.00	11,348.92	40.00	850.00	42.08	0.00	0.00	0.00
Start Build 10.00									
11,400.00	0.34	0.14	11,352.30	40.01	850.00	42.09	10.00	10.00	0.00
11,500.00	10.34	0.14	11,451.74	49.30	850.02	51.38	10.00	10.00	0.00
11,600.00	20.34	0.14	11,548.05	75.72	850.08	77.80	10.00	10.00	0.00
11,684.40	28.78	0.14	11,624.75	110.76	850.17	112.84	10.00	10.00	0.00
Third Bone Spring Sand									
11,700.00	30.34	0.14	11,638.32	118.46	850.19	120.54	10.00	10.00	0.00
11,800.00	40.34	0.14	11,719.79	176.22	850.32	178.30	10.00	10.00	0.00
11,900.00	50.34	0.14	11,789.99	247.26	850.49	249.34	10.00	10.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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)
12,000.00	60.34	0.14	11,846.79	329.41	850.68	331.49	10.00	10.00	0.00
12,100.00	70.34	0.14	11,888.47	420.17	850.90	422.25	10.00	10.00	0.00
12,200.00	80.34	0.14	11,913.75	516.79	851.13	518.87	10.00	10.00	0.00
12,218.32	82.17	0.14	11,916.53	534.90	851.17	536.98	10.00	10.00	0.00
11932'TVD 0'VS 91.65° Updip									
12,300.00	90.34	0.14	11,921.86	616.33	851.36	618.41	10.00	10.00	0.00
12,313.12	91.65	0.14	11,921.64	629.45	851.39	631.53	10.00	10.00	0.00
Start 9474.74 hold at 12313.12 MD									
12,400.00	91.65	0.14	11,919.13	716.30	851.60	718.38	0.00	0.00	0.00
12,500.00	91.65	0.14	11,916.26	816.25	851.84	818.33	0.00	0.00	0.00
12,600.00	91.65	0.14	11,913.38	916.21	852.07	918.29	0.00	0.00	0.00
12,700.00	91.65	0.14	11,910.50	1,016.17	852.31	1,018.25	0.00	0.00	0.00
12,800.00	91.65	0.14	11,907.62	1,116.13	852.54	1,118.21	0.00	0.00	0.00
12,900.00	91.65	0.14	11,904.74	1,216.09	852.78	1,218.17	0.00	0.00	0.00
13,000.00	91.65	0.14	11,901.86	1,316.05	853.02	1,318.13	0.00	0.00	0.00
13,100.00	91.65	0.14	11,898.98	1,416.00	853.25	1,418.09	0.00	0.00	0.00
13,200.00	91.65	0.14	11,896.10	1,515.96	853.49	1,518.04	0.00	0.00	0.00
13,300.00	91.65	0.14	11,893.22	1,615.92	853.73	1,618.00	0.00	0.00	0.00
13,400.00	91.65	0.14	11,890.34	1,715.88	853.96	1,717.96	0.00	0.00	0.00
13,500.00	91.65	0.14	11,887.46	1,815.84	854.20	1,817.92	0.00	0.00	0.00
13,600.00	91.65	0.14	11,884.58	1,915.79	854.43	1,917.88	0.00	0.00	0.00
13,700.00	91.65	0.14	11,881.70	2,015.75	854.67	2,017.84	0.00	0.00	0.00
13,800.00	91.65	0.14	11,878.82	2,115.71	854.91	2,117.80	0.00	0.00	0.00
13,900.00	91.65	0.14	11,875.94	2,215.67	855.14	2,217.75	0.00	0.00	0.00
14,000.00	91.65	0.14	11,873.06	2,315.63	855.38	2,317.71	0.00	0.00	0.00
14,100.00	91.65	0.14	11,870.19	2,415.59	855.62	2,417.67	0.00	0.00	0.00
14,200.00	91.65	0.14	11,867.31	2,515.54	855.85	2,517.63	0.00	0.00	0.00
14,300.00	91.65	0.14	11,864.43	2,615.50	856.09	2,617.59	0.00	0.00	0.00
14,400.00	91.65	0.14	11,861.55	2,715.46	856.32	2,717.55	0.00	0.00	0.00
14,500.00	91.65	0.14	11,858.67	2,815.42	856.56	2,817.51	0.00	0.00	0.00
14,600.00	91.65	0.14	11,855.79	2,915.38	856.80	2,917.46	0.00	0.00	0.00
14,700.00	91.65	0.14	11,852.91	3,015.34	857.03	3,017.42	0.00	0.00	0.00
14,800.00	91.65	0.14	11,850.03	3,115.29	857.27	3,117.38	0.00	0.00	0.00
14,900.00	91.65	0.14	11,847.15	3,215.25	857.51	3,217.34	0.00	0.00	0.00
15,000.00	91.65	0.14	11,844.27	3,315.21	857.74	3,317.30	0.00	0.00	0.00
15,100.00	91.65	0.14	11,841.39	3,415.17	857.98	3,417.26	0.00	0.00	0.00
15,200.00	91.65	0.14	11,838.51	3,515.13	858.22	3,517.22	0.00	0.00	0.00
15,300.00	91.65	0.14	11,835.63	3,615.09	858.45	3,617.17	0.00	0.00	0.00
15,400.00	91.65	0.14	11,832.75	3,715.04	858.69	3,717.13	0.00	0.00	0.00
15,500.00	91.65	0.14	11,829.87	3,815.00	858.92	3,817.09	0.00	0.00	0.00
15,600.00	91.65	0.14	11,826.99	3,914.96	859.16	3,917.05	0.00	0.00	0.00
15,700.00	91.65	0.14	11,824.11	4,014.92	859.40	4,017.01	0.00	0.00	0.00
15,800.00	91.65	0.14	11,821.24	4,114.88	859.63	4,116.97	0.00	0.00	0.00
15,900.00	91.65	0.14	11,818.36	4,214.83	859.87	4,216.92	0.00	0.00	0.00
16,000.00	91.65	0.14	11,815.48	4,314.79	860.11	4,316.88	0.00	0.00	0.00
16,100.00	91.65	0.14	11,812.60	4,414.75	860.34	4,416.84	0.00	0.00	0.00
16,200.00	91.65	0.14	11,809.72	4,514.71	860.58	4,516.80	0.00	0.00	0.00
16,300.00	91.65	0.14	11,806.84	4,614.67	860.81	4,616.76	0.00	0.00	0.00
16,400.00	91.65	0.14	11,803.96	4,714.63	861.05	4,716.72	0.00	0.00	0.00
16,500.00	91.65	0.14	11,801.08	4,814.58	861.29	4,816.68	0.00	0.00	0.00
16,600.00	91.65	0.14	11,798.20	4,914.54	861.52	4,916.63	0.00	0.00	0.00
16,700.00	91.65	0.14	11,795.32	5,014.50	861.76	5,016.59	0.00	0.00	0.00
16,800.00	91.65	0.14	11,792.44	5,114.46	862.00	5,116.55	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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)
16,900.00	91.65	0.14	11,789.56	5,214.42	862.23	5,216.51	0.00	0.00	0.00
17,000.00	91.65	0.14	11,786.68	5,314.38	862.47	5,316.47	0.00	0.00	0.00
17,100.00	91.65	0.14	11,783.80	5,414.33	862.70	5,416.43	0.00	0.00	0.00
17,200.00	91.65	0.14	11,780.92	5,514.29	862.94	5,516.39	0.00	0.00	0.00
17,300.00	91.65	0.14	11,778.04	5,614.25	863.18	5,616.34	0.00	0.00	0.00
17,400.00	91.65	0.14	11,775.17	5,714.21	863.41	5,716.30	0.00	0.00	0.00
17,500.00	91.65	0.14	11,772.29	5,814.17	863.65	5,816.26	0.00	0.00	0.00
17,600.00	91.65	0.14	11,769.41	5,914.13	863.89	5,916.22	0.00	0.00	0.00
17,700.00	91.65	0.14	11,766.53	6,014.08	864.12	6,016.18	0.00	0.00	0.00
17,800.00	91.65	0.14	11,763.65	6,114.04	864.36	6,116.14	0.00	0.00	0.00
17,900.00	91.65	0.14	11,760.77	6,214.00	864.59	6,216.10	0.00	0.00	0.00
18,000.00	91.65	0.14	11,757.89	6,313.96	864.83	6,316.05	0.00	0.00	0.00
18,100.00	91.65	0.14	11,755.01	6,413.92	865.07	6,416.01	0.00	0.00	0.00
18,200.00	91.65	0.14	11,752.13	6,513.87	865.30	6,515.97	0.00	0.00	0.00
18,300.00	91.65	0.14	11,749.25	6,613.83	865.54	6,615.93	0.00	0.00	0.00
18,400.00	91.65	0.14	11,746.37	6,713.79	865.78	6,715.89	0.00	0.00	0.00
18,500.00	91.65	0.14	11,743.49	6,813.75	866.01	6,815.85	0.00	0.00	0.00
18,600.00	91.65	0.14	11,740.61	6,913.71	866.25	6,915.81	0.00	0.00	0.00
18,700.00	91.65	0.14	11,737.73	7,013.67	866.49	7,015.76	0.00	0.00	0.00
18,800.00	91.65	0.14	11,734.85	7,113.62	866.72	7,115.72	0.00	0.00	0.00
18,900.00	91.65	0.14	11,731.97	7,213.58	866.96	7,215.68	0.00	0.00	0.00
19,000.00	91.65	0.14	11,729.09	7,313.54	867.19	7,315.64	0.00	0.00	0.00
19,100.00	91.65	0.14	11,726.22	7,413.50	867.43	7,415.60	0.00	0.00	0.00
19,200.00	91.65	0.14	11,723.34	7,513.46	867.67	7,515.56	0.00	0.00	0.00
19,300.00	91.65	0.14	11,720.46	7,613.42	867.90	7,615.52	0.00	0.00	0.00
19,400.00	91.65	0.14	11,717.58	7,713.37	868.14	7,715.47	0.00	0.00	0.00
19,500.00	91.65	0.14	11,714.70	7,813.33	868.38	7,815.43	0.00	0.00	0.00
19,600.00	91.65	0.14	11,711.82	7,913.29	868.61	7,915.39	0.00	0.00	0.00
19,700.00	91.65	0.14	11,708.94	8,013.25	868.85	8,015.35	0.00	0.00	0.00
19,800.00	91.65	0.14	11,706.06	8,113.21	869.08	8,115.31	0.00	0.00	0.00
19,900.00	91.65	0.14	11,703.18	8,213.17	869.32	8,215.27	0.00	0.00	0.00
20,000.00	91.65	0.14	11,700.30	8,313.12	869.56	8,315.23	0.00	0.00	0.00
20,100.00	91.65	0.14	11,697.42	8,413.08	869.79	8,415.18	0.00	0.00	0.00
20,200.00	91.65	0.14	11,694.54	8,513.04	870.03	8,515.14	0.00	0.00	0.00
20,300.00	91.65	0.14	11,691.66	8,613.00	870.27	8,615.10	0.00	0.00	0.00
20,400.00	91.65	0.14	11,688.78	8,712.96	870.50	8,715.06	0.00	0.00	0.00
20,500.00	91.65	0.14	11,685.90	8,812.91	870.74	8,815.02	0.00	0.00	0.00
20,600.00	91.65	0.14	11,683.02	8,912.87	870.97	8,914.98	0.00	0.00	0.00
20,700.00	91.65	0.14	11,680.15	9,012.83	871.21	9,014.93	0.00	0.00	0.00
20,800.00	91.65	0.14	11,677.27	9,112.79	871.45	9,114.89	0.00	0.00	0.00
20,900.00	91.65	0.14	11,674.39	9,212.75	871.68	9,214.85	0.00	0.00	0.00
21,000.00	91.65	0.14	11,671.51	9,312.71	871.92	9,314.81	0.00	0.00	0.00
21,100.00	91.65	0.14	11,668.63	9,412.66	872.16	9,414.77	0.00	0.00	0.00
21,200.00	91.65	0.14	11,665.75	9,512.62	872.39	9,514.73	0.00	0.00	0.00
21,300.00	91.65	0.14	11,662.87	9,612.58	872.63	9,614.69	0.00	0.00	0.00
21,400.00	91.65	0.14	11,659.99	9,712.54	872.87	9,714.64	0.00	0.00	0.00
21,500.00	91.65	0.14	11,657.11	9,812.50	873.10	9,814.60	0.00	0.00	0.00
21,600.00	91.65	0.14	11,654.23	9,912.46	873.34	9,914.56	0.00	0.00	0.00
21,700.00	91.65	0.14	11,651.35	10,012.41	873.57	10,014.52	0.00	0.00	0.00
21,787.86	91.65	0.14	11,648.82	10,100.24	873.78	10,102.35	0.00	0.00	0.00

TD at 21787.86 - 602H PBHL



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
Design:	Plan#1		

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
602H PBHL	0.00	0.07	11,648.82	10,100.24	873.78	457,253.21	837,996.59	32° 15' 12.311 N	103° 22' 25.328 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)		-1.65	0.14
991.00	991.00	Rustler		-1.65	0.14
1,088.00	1,088.00	Salado		-1.65	0.14
3,013.00	3,013.00	Base Salt		-1.65	0.14
5,321.19	5,308.67	Lamar		-1.65	0.14
5,425.87	5,412.66	Bell Canyon		-1.65	0.14
6,337.79	6,318.51	Cherry Canyon		-1.65	0.14
7,688.56	7,660.29	Brushy Canyon		-1.65	0.14
9,006.12	8,969.07	Bone Spring Lime		-1.65	0.14
9,032.29	8,995.06	Avalon		-1.65	0.14
10,130.42	10,085.88	First Bone Spring Sand		-1.65	0.14
10,299.52	10,253.86	Second Bone Spring Carbonates		-1.65	0.14
10,708.31	10,660.80	Second Bone Spring Sand		-1.65	0.14
11,232.49	11,184.79	Third Bone Spring Carbonates		-1.65	0.14
11,684.40	11,624.75	Third Bone Spring Sand		-1.65	0.14
12,218.32	11,916.53	11932'TVD 0'VS 91.65° Updip		-1.65	0.14

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,000.00	3,000.00	0.00	0.00	Start Build 1.00
3,661.49	3,660.02	1.79	38.10	Start 6724.73 hold at 3661.49 MD
10,386.22	10,339.98	38.21	811.90	Start Drop -1.00
11,047.70	11,000.00	40.00	850.00	Start 348.92 hold at 11047.70 MD
11,396.62	11,348.92	40.00	850.00	Start Build 10.00
12,313.12	11,921.64	629.45	851.39	Start 9474.74 hold at 12313.12 MD
21,787.86	11,648.82	10,100.24	873.78	TD at 21787.86



Franklin Mountain Energy

**Georgetown - Ouray Site
Lea County NM (NAD 83)
Ouray FED COM 602H**

Lateral Profile 602H

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 Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
Design:	Plan#1		

Project	Georgetown - Ouray Site, 6 - well pad		
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: From:	Map	Northing:	447,152.68 usft	Latitude:	32° 13' 32.450 N
		Easting:	837,087.82 usft	Longitude:	103° 22' 36.957 W
		Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in

Well	Ouray FED COM 602H					
Well Position	+N-S	0.00 ft	Northing:	447,152.99 usft	Latitude:	32° 13' 32.450 N
	+E-W	0.00 ft	Easting:	837,122.81 usft	Longitude:	103° 22' 36.550 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,393.00 ft

Wellbore	Lateral Profile 602H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	4/16/2019	0.00	0.00	0.00000000

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	0.14	

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	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,661.49	6.61	87.31	3,660.02	1.79	38.10	1.00	1.00	0.00	87.31	
10,386.22	6.61	87.31	10,339.98	38.21	811.90	0.00	0.00	0.00	0.00	
11,047.70	0.00	0.00	11,000.00	40.00	850.00	1.00	-1.00	0.00	180.00	
11,396.62	0.00	0.00	11,348.92	40.00	850.00	0.00	0.00	0.00	0.00	
12,313.12	91.65	0.14	11,921.64	629.45	851.39	10.00	10.00	0.00	0.14	
21,787.86	91.65	0.14	11,648.82	10,100.24	873.78	0.00	0.00	0.00	0.00	602H PBHL



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
21.00	0.00	0.00	21.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
200.00	0.00	0.00	200.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
300.00	0.00	0.00	300.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
400.00	0.00	0.00	400.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
500.00	0.00	0.00	500.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
600.00	0.00	0.00	600.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
700.00	0.00	0.00	700.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
800.00	0.00	0.00	800.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
900.00	0.00	0.00	900.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
991.00	0.00	0.00	991.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,088.00	0.00	0.00	1,088.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
Salado									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,600.00	0.00	0.00	1,600.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,700.00	0.00	0.00	1,700.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,800.00	0.00	0.00	1,800.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
1,900.00	0.00	0.00	1,900.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,000.00	0.00	0.00	2,000.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,100.00	0.00	0.00	2,100.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,200.00	0.00	0.00	2,200.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,300.00	0.00	0.00	2,300.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,400.00	0.00	0.00	2,400.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,500.00	0.00	0.00	2,500.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,600.00	0.00	0.00	2,600.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,700.00	0.00	0.00	2,700.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,800.00	0.00	0.00	2,800.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
2,900.00	0.00	0.00	2,900.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
3,000.00	0.00	0.00	3,000.00	0.00	0.00	447,152.99	837,122.81	32° 13' 32.450 N	103° 22' 36.550 W
Start Build 1.00									
3,013.00	0.13	87.31	3,013.00	0.00	0.01	447,152.99	837,122.82	32° 13' 32.450 N	103° 22' 36.550 W
Base Salt									
3,100.00	1.00	87.31	3,099.99	0.04	0.87	447,153.03	837,123.68	32° 13' 32.450 N	103° 22' 36.540 W
3,200.00	2.00	87.31	3,199.96	0.16	3.49	447,153.15	837,126.30	32° 13' 32.451 N	103° 22' 36.509 W
3,300.00	3.00	87.31	3,299.86	0.37	7.84	447,153.36	837,130.65	32° 13' 32.452 N	103° 22' 36.458 W
3,400.00	4.00	87.31	3,399.68	0.66	13.94	447,153.65	837,136.75	32° 13' 32.455 N	103° 22' 36.387 W
3,500.00	5.00	87.31	3,499.37	1.02	21.78	447,154.01	837,144.59	32° 13' 32.458 N	103° 22' 36.296 W
3,600.00	6.00	87.31	3,598.90	1.48	31.35	447,154.47	837,154.16	32° 13' 32.461 N	103° 22' 36.185 W
3,661.49	6.61	87.31	3,660.02	1.79	38.10	447,154.78	837,160.91	32° 13' 32.464 N	103° 22' 36.106 W
Start 6724.73 hold at 3661.49 MD									
3,700.00	6.61	87.31	3,698.28	2.00	42.53	447,154.99	837,165.34	32° 13' 32.466 N	103° 22' 36.055 W
3,800.00	6.61	87.31	3,797.61	2.54	54.04	447,155.53	837,176.85	32° 13' 32.470 N	103° 22' 35.921 W
3,900.00	6.61	87.31	3,896.94	3.08	65.55	447,156.07	837,188.35	32° 13' 32.474 N	103° 22' 35.787 W
4,000.00	6.61	87.31	3,996.28	3.63	77.05	447,156.62	837,199.86	32° 13' 32.479 N	103° 22' 35.653 W
4,100.00	6.61	87.31	4,095.61	4.17	88.56	447,157.16	837,211.37	32° 13' 32.483 N	103° 22' 35.519 W
4,200.00	6.61	87.31	4,194.95	4.71	100.07	447,157.70	837,222.87	32° 13' 32.487 N	103° 22' 35.385 W



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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
4,300.00	6.61	87.31	4,294.28	5.25	111.57	447,158.24	837,234.38	32° 13' 32.492 N	103° 22' 35.251 W
4,400.00	6.61	87.31	4,393.62	5.79	123.08	447,158.78	837,245.89	32° 13' 32.496 N	103° 22' 35.117 W
4,500.00	6.61	87.31	4,492.95	6.33	134.59	447,159.32	837,257.39	32° 13' 32.500 N	103° 22' 34.983 W
4,600.00	6.61	87.31	4,592.28	6.87	146.09	447,159.86	837,268.90	32° 13' 32.505 N	103° 22' 34.849 W
4,700.00	6.61	87.31	4,691.62	7.42	157.60	447,160.41	837,280.41	32° 13' 32.509 N	103° 22' 34.715 W
4,800.00	6.61	87.31	4,790.95	7.96	169.11	447,160.95	837,291.91	32° 13' 32.513 N	103° 22' 34.581 W
4,900.00	6.61	87.31	4,890.29	8.50	180.61	447,161.49	837,303.42	32° 13' 32.518 N	103° 22' 34.447 W
5,000.00	6.61	87.31	4,989.62	9.04	192.12	447,162.03	837,314.93	32° 13' 32.522 N	103° 22' 34.313 W
5,100.00	6.61	87.31	5,088.96	9.58	203.63	447,162.57	837,326.43	32° 13' 32.526 N	103° 22' 34.179 W
5,200.00	6.61	87.31	5,188.29	10.12	215.13	447,163.11	837,337.94	32° 13' 32.531 N	103° 22' 34.045 W
5,300.00	6.61	87.31	5,287.62	10.66	226.64	447,163.65	837,349.45	32° 13' 32.535 N	103° 22' 33.911 W
5,321.19	6.61	87.31	5,308.67	10.78	229.08	447,163.77	837,351.89	32° 13' 32.536 N	103° 22' 33.882 W
Lamar									
5,400.00	6.61	87.31	5,386.96	11.21	238.15	447,164.20	837,360.96	32° 13' 32.539 N	103° 22' 33.777 W
5,425.87	6.61	87.31	5,412.66	11.35	241.12	447,164.34	837,363.93	32° 13' 32.541 N	103° 22' 33.742 W
Bell Canyon									
5,500.00	6.61	87.31	5,486.29	11.75	249.65	447,164.74	837,372.46	32° 13' 32.544 N	103° 22' 33.643 W
5,600.00	6.61	87.31	5,585.63	12.29	261.16	447,165.28	837,383.97	32° 13' 32.548 N	103° 22' 33.509 W
5,700.00	6.61	87.31	5,684.96	12.83	272.67	447,165.82	837,395.48	32° 13' 32.552 N	103° 22' 33.375 W
5,800.00	6.61	87.31	5,784.30	13.37	284.17	447,166.36	837,406.98	32° 13' 32.557 N	103° 22' 33.241 W
5,900.00	6.61	87.31	5,883.63	13.91	295.68	447,166.90	837,418.49	32° 13' 32.561 N	103° 22' 33.107 W
6,000.00	6.61	87.31	5,982.96	14.46	307.19	447,167.45	837,430.00	32° 13' 32.565 N	103° 22' 32.973 W
6,100.00	6.61	87.31	6,082.30	15.00	318.69	447,167.99	837,441.50	32° 13' 32.570 N	103° 22' 32.839 W
6,200.00	6.61	87.31	6,181.63	15.54	330.20	447,168.53	837,453.01	32° 13' 32.574 N	103° 22' 32.705 W
6,300.00	6.61	87.31	6,280.97	16.08	341.71	447,169.07	837,464.52	32° 13' 32.578 N	103° 22' 32.571 W
6,337.79	6.61	87.31	6,318.51	16.28	346.06	447,169.27	837,468.86	32° 13' 32.580 N	103° 22' 32.520 W
Cherry Canyon									
6,400.00	6.61	87.31	6,380.30	16.62	353.21	447,169.61	837,476.02	32° 13' 32.583 N	103° 22' 32.437 W
6,500.00	6.61	87.31	6,479.64	17.16	364.72	447,170.15	837,487.53	32° 13' 32.587 N	103° 22' 32.303 W
6,600.00	6.61	87.31	6,578.97	17.70	376.23	447,170.69	837,499.04	32° 13' 32.592 N	103° 22' 32.169 W
6,700.00	6.61	87.31	6,678.30	18.25	387.74	447,171.24	837,510.54	32° 13' 32.596 N	103° 22' 32.035 W
6,800.00	6.61	87.31	6,777.64	18.79	399.24	447,171.78	837,522.05	32° 13' 32.600 N	103° 22' 31.901 W
6,900.00	6.61	87.31	6,876.97	19.33	410.75	447,172.32	837,533.56	32° 13' 32.605 N	103° 22' 31.767 W
7,000.00	6.61	87.31	6,976.31	19.87	422.26	447,172.86	837,545.06	32° 13' 32.609 N	103° 22' 31.633 W
7,100.00	6.61	87.31	7,075.64	20.41	433.76	447,173.40	837,556.57	32° 13' 32.613 N	103° 22' 31.499 W
7,200.00	6.61	87.31	7,174.98	20.95	445.27	447,173.94	837,568.08	32° 13' 32.618 N	103° 22' 31.365 W
7,300.00	6.61	87.31	7,274.31	21.49	456.78	447,174.48	837,579.58	32° 13' 32.622 N	103° 22' 31.231 W
7,400.00	6.61	87.31	7,373.64	22.04	468.28	447,175.03	837,591.09	32° 13' 32.626 N	103° 22' 31.097 W
7,500.00	6.61	87.31	7,472.98	22.58	479.79	447,175.57	837,602.60	32° 13' 32.631 N	103° 22' 30.963 W
7,600.00	6.61	87.31	7,572.31	23.12	491.30	447,176.11	837,614.10	32° 13' 32.635 N	103° 22' 30.829 W
7,688.56	6.61	87.31	7,660.29	23.60	501.49	447,176.59	837,624.29	32° 13' 32.639 N	103° 22' 30.710 W
Brushy Canyon									
7,700.00	6.61	87.31	7,671.65	23.66	502.80	447,176.65	837,625.61	32° 13' 32.639 N	103° 22' 30.695 W
7,800.00	6.61	87.31	7,770.98	24.20	514.31	447,177.19	837,637.12	32° 13' 32.644 N	103° 22' 30.561 W
7,900.00	6.61	87.31	7,870.32	24.74	525.82	447,177.73	837,648.62	32° 13' 32.648 N	103° 22' 30.427 W
8,000.00	6.61	87.31	7,969.65	25.28	537.32	447,178.27	837,660.13	32° 13' 32.652 N	103° 22' 30.293 W
8,100.00	6.61	87.31	8,068.98	25.83	548.83	447,178.82	837,671.64	32° 13' 32.657 N	103° 22' 30.159 W
8,200.00	6.61	87.31	8,168.32	26.37	560.34	447,179.36	837,683.14	32° 13' 32.661 N	103° 22' 30.025 W
8,300.00	6.61	87.31	8,267.65	26.91	571.84	447,179.90	837,694.65	32° 13' 32.665 N	103° 22' 29.891 W
8,400.00	6.61	87.31	8,366.99	27.45	583.35	447,180.44	837,706.16	32° 13' 32.670 N	103° 22' 29.757 W
8,500.00	6.61	87.31	8,466.32	27.99	594.86	447,180.98	837,717.66	32° 13' 32.674 N	103° 22' 29.623 W
8,600.00	6.61	87.31	8,565.66	28.53	606.36	447,181.52	837,729.17	32° 13' 32.678 N	103° 22' 29.489 W
8,700.00	6.61	87.31	8,664.99	29.07	617.87	447,182.06	837,740.68	32° 13' 32.683 N	103° 22' 29.355 W
8,800.00	6.61	87.31	8,764.32	29.62	629.38	447,182.61	837,752.18	32° 13' 32.687 N	103° 22' 29.221 W



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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
8,900.00	6.61	87.31	8,863.66	30.16	640.88	447,183.15	837,763.69	32° 13' 32.691 N	103° 22' 29.087 W
9,000.00	6.61	87.31	8,962.99	30.70	652.39	447,183.69	837,775.20	32° 13' 32.696 N	103° 22' 28.953 W
9,006.12	6.61	87.31	8,969.07	30.73	653.09	447,183.72	837,775.90	32° 13' 32.696 N	103° 22' 28.944 W
Bone Spring Lime									
9,032.29	6.61	87.31	8,995.06	30.87	656.11	447,183.86	837,778.91	32° 13' 32.697 N	103° 22' 28.909 W
Avalon									
9,100.00	6.61	87.31	9,062.33	31.24	663.90	447,184.23	837,786.71	32° 13' 32.700 N	103° 22' 28.819 W
9,200.00	6.61	87.31	9,161.66	31.78	675.40	447,184.77	837,798.21	32° 13' 32.704 N	103° 22' 28.685 W
9,300.00	6.61	87.31	9,261.00	32.32	686.91	447,185.31	837,809.72	32° 13' 32.709 N	103° 22' 28.551 W
9,400.00	6.61	87.31	9,360.33	32.87	698.42	447,185.86	837,821.23	32° 13' 32.713 N	103° 22' 28.417 W
9,500.00	6.61	87.31	9,459.66	33.41	709.92	447,186.40	837,832.73	32° 13' 32.717 N	103° 22' 28.283 W
9,600.00	6.61	87.31	9,559.00	33.95	721.43	447,186.94	837,844.24	32° 13' 32.722 N	103° 22' 28.149 W
9,700.00	6.61	87.31	9,658.33	34.49	732.94	447,187.48	837,855.75	32° 13' 32.726 N	103° 22' 28.015 W
9,800.00	6.61	87.31	9,757.67	35.03	744.45	447,188.02	837,867.25	32° 13' 32.730 N	103° 22' 27.881 W
9,900.00	6.61	87.31	9,857.00	35.57	755.95	447,188.56	837,878.76	32° 13' 32.735 N	103° 22' 27.747 W
10,000.00	6.61	87.31	9,956.34	36.11	767.46	447,189.10	837,890.27	32° 13' 32.739 N	103° 22' 27.613 W
10,100.00	6.61	87.31	10,055.67	36.66	778.97	447,189.65	837,901.77	32° 13' 32.743 N	103° 22' 27.479 W
10,130.42	6.61	87.31	10,085.88	36.82	782.47	447,189.81	837,905.27	32° 13' 32.745 N	103° 22' 27.438 W
First Bone Spring Sand									
10,200.00	6.61	87.31	10,155.00	37.20	790.47	447,190.19	837,913.28	32° 13' 32.748 N	103° 22' 27.345 W
10,299.52	6.61	87.31	10,253.86	37.74	801.92	447,190.73	837,924.73	32° 13' 32.752 N	103° 22' 27.211 W
Second Bone Spring Carbonates									
10,300.00	6.61	87.31	10,254.34	37.74	801.98	447,190.73	837,924.79	32° 13' 32.752 N	103° 22' 27.211 W
10,386.22	6.61	87.31	10,339.98	38.21	811.90	447,191.20	837,934.71	32° 13' 32.756 N	103° 22' 27.095 W
Start Drop -1.00									
10,400.00	6.48	87.31	10,353.67	38.28	813.47	447,191.27	837,936.28	32° 13' 32.757 N	103° 22' 27.077 W
10,500.00	5.48	87.31	10,453.13	38.77	823.87	447,191.76	837,946.68	32° 13' 32.760 N	103° 22' 26.956 W
10,600.00	4.48	87.31	10,552.75	39.18	832.54	447,192.17	837,955.34	32° 13' 32.764 N	103° 22' 26.855 W
10,700.00	3.48	87.31	10,652.51	39.50	839.46	447,192.49	837,962.27	32° 13' 32.766 N	103° 22' 26.774 W
10,708.31	3.39	87.31	10,660.80	39.53	839.96	447,192.52	837,962.77	32° 13' 32.766 N	103° 22' 26.768 W
Second Bone Spring Sand									
10,800.00	2.48	87.31	10,752.37	39.75	844.65	447,192.74	837,967.46	32° 13' 32.768 N	103° 22' 26.714 W
10,900.00	1.48	87.31	10,852.31	39.91	848.10	447,192.90	837,970.91	32° 13' 32.770 N	103° 22' 26.674 W
11,000.00	0.48	87.31	10,952.30	39.99	849.80	447,192.98	837,972.61	32° 13' 32.770 N	103° 22' 26.654 W
11,047.70	0.00	0.00	11,000.00	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
Start 348.92 hold at 11047.70 MD									
11,100.00	0.00	0.00	11,052.30	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
11,200.00	0.00	0.00	11,152.30	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
11,232.49	0.00	0.00	11,184.79	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
Third Bone Spring Carbonates									
11,300.00	0.00	0.00	11,252.30	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
11,396.62	0.00	0.00	11,348.92	40.00	850.00	447,192.99	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
Start Build 10.00									
11,400.00	0.34	0.14	11,352.30	40.01	850.00	447,193.00	837,972.81	32° 13' 32.770 N	103° 22' 26.651 W
11,500.00	10.34	0.14	11,451.74	49.30	850.02	447,202.29	837,972.83	32° 13' 32.862 N	103° 22' 26.650 W
11,600.00	20.34	0.14	11,548.05	75.72	850.08	447,228.71	837,972.89	32° 13' 33.124 N	103° 22' 26.647 W
11,684.40	28.78	0.14	11,624.75	110.76	850.17	447,263.75	837,972.97	32° 13' 33.470 N	103° 22' 26.642 W
Third Bone Spring Sand									
11,700.00	30.34	0.14	11,638.32	118.46	850.19	447,271.45	837,972.99	32° 13' 33.547 N	103° 22' 26.641 W
11,800.00	40.34	0.14	11,719.79	176.22	850.32	447,329.21	837,973.13	32° 13' 34.118 N	103° 22' 26.634 W
11,900.00	50.34	0.14	11,789.99	247.26	850.49	447,400.25	837,973.30	32° 13' 34.821 N	103° 22' 26.624 W
12,000.00	60.34	0.14	11,846.79	329.41	850.68	447,482.40	837,973.49	32° 13' 35.634 N	103° 22' 26.613 W
12,100.00	70.34	0.14	11,888.47	420.17	850.90	447,573.16	837,973.71	32° 13' 36.532 N	103° 22' 26.601 W



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
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
12,200.00	80.34	0.14	11,913.75	516.79	851.13	447,669.78	837,973.93	32° 13' 37.488 N	103° 22' 26.589 W
12,218.32	82.17	0.14	11,916.53	534.90	851.17	447,687.89	837,973.98	32° 13' 37.667 N	103° 22' 26.586 W
11932'TVD 0'VS 91.65° Updip									
12,300.00	90.34	0.14	11,921.86	616.33	851.36	447,769.32	837,974.17	32° 13' 38.473 N	103° 22' 26.576 W
12,313.12	91.65	0.14	11,921.64	629.45	851.39	447,782.44	837,974.20	32° 13' 38.603 N	103° 22' 26.574 W
Start 9474.74 hold at 12313.12 MD									
12,400.00	91.65	0.14	11,919.13	716.30	851.60	447,869.28	837,974.41	32° 13' 39.462 N	103° 22' 26.563 W
12,500.00	91.65	0.14	11,916.26	816.25	851.84	447,969.24	837,974.64	32° 13' 40.451 N	103° 22' 26.549 W
12,600.00	91.65	0.14	11,913.38	916.21	852.07	448,069.20	837,974.88	32° 13' 41.440 N	103° 22' 26.536 W
12,700.00	91.65	0.14	11,910.50	1,016.17	852.31	448,169.16	837,975.11	32° 13' 42.429 N	103° 22' 26.523 W
12,800.00	91.65	0.14	11,907.62	1,116.13	852.54	448,269.12	837,975.35	32° 13' 43.418 N	103° 22' 26.510 W
12,900.00	91.65	0.14	11,904.74	1,216.09	852.78	448,369.07	837,975.59	32° 13' 44.407 N	103° 22' 26.497 W
13,000.00	91.65	0.14	11,901.86	1,316.05	853.02	448,469.03	837,975.82	32° 13' 45.396 N	103° 22' 26.484 W
13,100.00	91.65	0.14	11,898.98	1,416.00	853.25	448,568.99	837,976.06	32° 13' 46.385 N	103° 22' 26.471 W
13,200.00	91.65	0.14	11,896.10	1,515.96	853.49	448,668.95	837,976.30	32° 13' 47.374 N	103° 22' 26.457 W
13,300.00	91.65	0.14	11,893.22	1,615.92	853.73	448,768.91	837,976.53	32° 13' 48.363 N	103° 22' 26.444 W
13,400.00	91.65	0.14	11,890.34	1,715.88	853.96	448,868.86	837,976.77	32° 13' 49.352 N	103° 22' 26.431 W
13,500.00	91.65	0.14	11,887.46	1,815.84	854.20	448,968.82	837,977.01	32° 13' 50.341 N	103° 22' 26.418 W
13,600.00	91.65	0.14	11,884.58	1,915.79	854.43	449,068.78	837,977.24	32° 13' 51.330 N	103° 22' 26.405 W
13,700.00	91.65	0.14	11,881.70	2,015.75	854.67	449,168.74	837,977.48	32° 13' 52.319 N	103° 22' 26.392 W
13,800.00	91.65	0.14	11,878.82	2,115.71	854.91	449,268.70	837,977.71	32° 13' 53.308 N	103° 22' 26.379 W
13,900.00	91.65	0.14	11,875.94	2,215.67	855.14	449,368.66	837,977.95	32° 13' 54.297 N	103° 22' 26.365 W
14,000.00	91.65	0.14	11,873.06	2,315.63	855.38	449,468.61	837,978.19	32° 13' 55.286 N	103° 22' 26.352 W
14,100.00	91.65	0.14	11,870.19	2,415.59	855.62	449,568.57	837,978.42	32° 13' 56.275 N	103° 22' 26.339 W
14,200.00	91.65	0.14	11,867.31	2,515.54	855.85	449,668.53	837,978.66	32° 13' 57.264 N	103° 22' 26.326 W
14,300.00	91.65	0.14	11,864.43	2,615.50	856.09	449,768.49	837,978.90	32° 13' 58.253 N	103° 22' 26.313 W
14,400.00	91.65	0.14	11,861.55	2,715.46	856.32	449,868.45	837,979.13	32° 13' 59.242 N	103° 22' 26.300 W
14,500.00	91.65	0.14	11,858.67	2,815.42	856.56	449,968.40	837,979.37	32° 14' 0.232 N	103° 22' 26.287 W
14,600.00	91.65	0.14	11,855.79	2,915.38	856.80	450,068.36	837,979.60	32° 14' 1.221 N	103° 22' 26.273 W
14,700.00	91.65	0.14	11,852.91	3,015.34	857.03	450,168.32	837,979.84	32° 14' 2.210 N	103° 22' 26.260 W
14,800.00	91.65	0.14	11,850.03	3,115.29	857.27	450,268.28	837,980.08	32° 14' 3.199 N	103° 22' 26.247 W
14,900.00	91.65	0.14	11,847.15	3,215.25	857.51	450,368.24	837,980.31	32° 14' 4.188 N	103° 22' 26.234 W
15,000.00	91.65	0.14	11,844.27	3,315.21	857.74	450,468.19	837,980.55	32° 14' 5.177 N	103° 22' 26.221 W
15,100.00	91.65	0.14	11,841.39	3,415.17	857.98	450,568.15	837,980.79	32° 14' 6.166 N	103° 22' 26.208 W
15,200.00	91.65	0.14	11,838.51	3,515.13	858.22	450,668.11	837,981.02	32° 14' 7.155 N	103° 22' 26.195 W
15,300.00	91.65	0.14	11,835.63	3,615.09	858.45	450,768.07	837,981.26	32° 14' 8.144 N	103° 22' 26.181 W
15,400.00	91.65	0.14	11,832.75	3,715.04	858.69	450,868.03	837,981.49	32° 14' 9.133 N	103° 22' 26.168 W
15,500.00	91.65	0.14	11,829.87	3,815.00	858.92	450,967.98	837,981.73	32° 14' 10.122 N	103° 22' 26.155 W
15,600.00	91.65	0.14	11,826.99	3,914.96	859.16	451,067.94	837,981.97	32° 14' 11.111 N	103° 22' 26.142 W
15,700.00	91.65	0.14	11,824.11	4,014.92	859.40	451,167.90	837,982.20	32° 14' 12.100 N	103° 22' 26.129 W
15,800.00	91.65	0.14	11,821.24	4,114.88	859.63	451,267.86	837,982.44	32° 14' 13.089 N	103° 22' 26.116 W
15,900.00	91.65	0.14	11,818.36	4,214.83	859.87	451,367.82	837,982.68	32° 14' 14.078 N	103° 22' 26.102 W
16,000.00	91.65	0.14	11,815.48	4,314.79	860.11	451,467.77	837,982.91	32° 14' 15.067 N	103° 22' 26.089 W
16,100.00	91.65	0.14	11,812.60	4,414.75	860.34	451,567.73	837,983.15	32° 14' 16.056 N	103° 22' 26.076 W
16,200.00	91.65	0.14	11,809.72	4,514.71	860.58	451,667.69	837,983.38	32° 14' 17.045 N	103° 22' 26.063 W
16,300.00	91.65	0.14	11,806.84	4,614.67	860.81	451,767.65	837,983.62	32° 14' 18.034 N	103° 22' 26.050 W
16,400.00	91.65	0.14	11,803.96	4,714.63	861.05	451,867.61	837,983.86	32° 14' 19.023 N	103° 22' 26.037 W
16,500.00	91.65	0.14	11,801.08	4,814.58	861.29	451,967.56	837,984.09	32° 14' 20.012 N	103° 22' 26.024 W
16,600.00	91.65	0.14	11,798.20	4,914.54	861.52	452,067.52	837,984.33	32° 14' 21.001 N	103° 22' 26.010 W
16,700.00	91.65	0.14	11,795.32	5,014.50	861.76	452,167.48	837,984.57	32° 14' 21.990 N	103° 22' 25.997 W
16,800.00	91.65	0.14	11,792.44	5,114.46	862.00	452,267.44	837,984.80	32° 14' 22.979 N	103° 22' 25.984 W
16,900.00	91.65	0.14	11,789.56	5,214.42	862.23	452,367.40	837,985.04	32° 14' 23.968 N	103° 22' 25.971 W
17,000.00	91.65	0.14	11,786.68	5,314.38	862.47	452,467.35	837,985.28	32° 14' 24.957 N	103° 22' 25.958 W
17,100.00	91.65	0.14	11,783.80	5,414.33	862.70	452,567.31	837,985.51	32° 14' 25.946 N	103° 22' 25.945 W



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
Design:	Plan#1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
17,200.00	91.65	0.14	11,780.92	5,514.29	862.94	452,667.27	837,985.75	32° 14' 26.935 N	103° 22' 25.932 W
17,300.00	91.65	0.14	11,778.04	5,614.25	863.18	452,767.23	837,985.98	32° 14' 27.924 N	103° 22' 25.918 W
17,400.00	91.65	0.14	11,775.17	5,714.21	863.41	452,867.19	837,986.22	32° 14' 28.913 N	103° 22' 25.905 W
17,500.00	91.65	0.14	11,772.29	5,814.17	863.65	452,967.15	837,986.46	32° 14' 29.902 N	103° 22' 25.892 W
17,600.00	91.65	0.14	11,769.41	5,914.13	863.89	453,067.10	837,986.69	32° 14' 30.891 N	103° 22' 25.879 W
17,700.00	91.65	0.14	11,766.53	6,014.08	864.12	453,167.06	837,986.93	32° 14' 31.880 N	103° 22' 25.866 W
17,800.00	91.65	0.14	11,763.65	6,114.04	864.36	453,267.02	837,987.17	32° 14' 32.869 N	103° 22' 25.853 W
17,900.00	91.65	0.14	11,760.77	6,214.00	864.59	453,366.98	837,987.40	32° 14' 33.858 N	103° 22' 25.840 W
18,000.00	91.65	0.14	11,757.89	6,313.96	864.83	453,466.94	837,987.64	32° 14' 34.848 N	103° 22' 25.826 W
18,100.00	91.65	0.14	11,755.01	6,413.92	865.07	453,566.89	837,987.87	32° 14' 35.837 N	103° 22' 25.813 W
18,200.00	91.65	0.14	11,752.13	6,513.87	865.30	453,666.85	837,988.11	32° 14' 36.826 N	103° 22' 25.800 W
18,300.00	91.65	0.14	11,749.25	6,613.83	865.54	453,766.81	837,988.35	32° 14' 37.815 N	103° 22' 25.787 W
18,400.00	91.65	0.14	11,746.37	6,713.79	865.78	453,866.77	837,988.58	32° 14' 38.804 N	103° 22' 25.774 W
18,500.00	91.65	0.14	11,743.49	6,813.75	866.01	453,966.73	837,988.82	32° 14' 39.793 N	103° 22' 25.761 W
18,600.00	91.65	0.14	11,740.61	6,913.71	866.25	454,066.68	837,989.06	32° 14' 40.782 N	103° 22' 25.747 W
18,700.00	91.65	0.14	11,737.73	7,013.67	866.49	454,166.64	837,989.29	32° 14' 41.771 N	103° 22' 25.734 W
18,800.00	91.65	0.14	11,734.85	7,113.62	866.72	454,266.60	837,989.53	32° 14' 42.760 N	103° 22' 25.721 W
18,900.00	91.65	0.14	11,731.97	7,213.58	866.96	454,366.56	837,989.76	32° 14' 43.749 N	103° 22' 25.708 W
19,000.00	91.65	0.14	11,729.09	7,313.54	867.19	454,466.52	837,990.00	32° 14' 44.738 N	103° 22' 25.695 W
19,100.00	91.65	0.14	11,726.22	7,413.50	867.43	454,566.47	837,990.24	32° 14' 45.727 N	103° 22' 25.682 W
19,200.00	91.65	0.14	11,723.34	7,513.46	867.67	454,666.43	837,990.47	32° 14' 46.716 N	103° 22' 25.669 W
19,300.00	91.65	0.14	11,720.46	7,613.42	867.90	454,766.39	837,990.71	32° 14' 47.705 N	103° 22' 25.655 W
19,400.00	91.65	0.14	11,717.58	7,713.37	868.14	454,866.35	837,990.95	32° 14' 48.694 N	103° 22' 25.642 W
19,500.00	91.65	0.14	11,714.70	7,813.33	868.38	454,966.31	837,991.18	32° 14' 49.683 N	103° 22' 25.629 W
19,600.00	91.65	0.14	11,711.82	7,913.29	868.61	455,066.26	837,991.42	32° 14' 50.672 N	103° 22' 25.616 W
19,700.00	91.65	0.14	11,708.94	8,013.25	868.85	455,166.22	837,991.66	32° 14' 51.661 N	103° 22' 25.603 W
19,800.00	91.65	0.14	11,706.06	8,113.21	869.08	455,266.18	837,991.89	32° 14' 52.650 N	103° 22' 25.590 W
19,900.00	91.65	0.14	11,703.18	8,213.17	869.32	455,366.14	837,992.13	32° 14' 53.639 N	103° 22' 25.577 W
20,000.00	91.65	0.14	11,700.30	8,313.12	869.56	455,466.10	837,992.36	32° 14' 54.628 N	103° 22' 25.563 W
20,100.00	91.65	0.14	11,697.42	8,413.08	869.79	455,566.05	837,992.60	32° 14' 55.617 N	103° 22' 25.550 W
20,200.00	91.65	0.14	11,694.54	8,513.04	870.03	455,666.01	837,992.84	32° 14' 56.606 N	103° 22' 25.537 W
20,300.00	91.65	0.14	11,691.66	8,613.00	870.27	455,765.97	837,993.07	32° 14' 57.595 N	103° 22' 25.524 W
20,400.00	91.65	0.14	11,688.78	8,712.96	870.50	455,865.93	837,993.31	32° 14' 58.584 N	103° 22' 25.511 W
20,500.00	91.65	0.14	11,685.90	8,812.91	870.74	455,965.89	837,993.55	32° 14' 59.573 N	103° 22' 25.498 W
20,600.00	91.65	0.14	11,683.02	8,912.87	870.97	456,065.85	837,993.78	32° 15' 0.562 N	103° 22' 25.484 W
20,700.00	91.65	0.14	11,680.15	9,012.83	871.21	456,165.80	837,994.02	32° 15' 1.551 N	103° 22' 25.471 W
20,800.00	91.65	0.14	11,677.27	9,112.79	871.45	456,265.76	837,994.25	32° 15' 2.540 N	103° 22' 25.458 W
20,900.00	91.65	0.14	11,674.39	9,212.75	871.68	456,365.72	837,994.49	32° 15' 3.529 N	103° 22' 25.445 W
21,000.00	91.65	0.14	11,671.51	9,312.71	871.92	456,465.68	837,994.73	32° 15' 4.518 N	103° 22' 25.432 W
21,100.00	91.65	0.14	11,668.63	9,412.66	872.16	456,565.64	837,994.96	32° 15' 5.507 N	103° 22' 25.419 W
21,200.00	91.65	0.14	11,665.75	9,512.62	872.39	456,665.59	837,995.20	32° 15' 6.496 N	103° 22' 25.406 W
21,300.00	91.65	0.14	11,662.87	9,612.58	872.63	456,765.55	837,995.44	32° 15' 7.485 N	103° 22' 25.392 W
21,400.00	91.65	0.14	11,659.99	9,712.54	872.87	456,865.51	837,995.67	32° 15' 8.474 N	103° 22' 25.379 W
21,500.00	91.65	0.14	11,657.11	9,812.50	873.10	456,965.47	837,995.91	32° 15' 9.463 N	103° 22' 25.366 W
21,600.00	91.65	0.14	11,654.23	9,912.46	873.34	457,065.43	837,996.14	32° 15' 10.453 N	103° 22' 25.353 W
21,700.00	91.65	0.14	11,651.35	10,012.41	873.57	457,165.38	837,996.38	32° 15' 11.442 N	103° 22' 25.340 W
21,787.86	91.65	0.14	11,648.82	10,100.24	873.78	457,253.21	837,996.59	32° 15' 12.311 N	103° 22' 25.328 W

TD at 21787.86 - 602H PBHL



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Ouray FED COM 602H
Company:	Franklin Mountain Energy	TVD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	3393' + 21' RKB @ 3414.00ft (TBD)
Site:	Lea County NM (NAD 83)	North Reference:	Grid
Well:	Ouray FED COM 602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 602H		
Design:	Plan#1		

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
602H PBHL	0.00	0.07	11,648.82	10,100.24	873.78	457,253.21	837,996.59	32° 15' 12.311 N	103° 22' 25.328 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)		-1.65	0.14
991.00	991.00	Rustler		-1.65	0.14
1,088.00	1,088.00	Salado		-1.65	0.14
3,013.00	3,013.00	Base Salt		-1.65	0.14
5,321.19	5,308.67	Lamar		-1.65	0.14
5,425.87	5,412.66	Bell Canyon		-1.65	0.14
6,337.79	6,318.51	Cherry Canyon		-1.65	0.14
7,688.56	7,660.29	Brushy Canyon		-1.65	0.14
9,006.12	8,969.07	Bone Spring Lime		-1.65	0.14
9,032.29	8,995.06	Avalon		-1.65	0.14
10,130.42	10,085.88	First Bone Spring Sand		-1.65	0.14
10,299.52	10,253.86	Second Bone Spring Carbonates		-1.65	0.14
10,708.31	10,660.80	Second Bone Spring Sand		-1.65	0.14
11,232.49	11,184.79	Third Bone Spring Carbonates		-1.65	0.14
11,684.40	11,624.75	Third Bone Spring Sand		-1.65	0.14
12,218.32	11,916.53	11932'TVD 0'VS 91.65° Updip		-1.65	0.14

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,000.00	3,000.00	0.00	0.00	Start Build 1.00
3,661.49	3,660.02	1.79	38.10	Start 6724.73 hold at 3661.49 MD
10,386.22	10,339.98	38.21	811.90	Start Drop -1.00
11,047.70	11,000.00	40.00	850.00	Start 348.92 hold at 11047.70 MD
11,396.62	11,348.92	40.00	850.00	Start Build 10.00
12,313.12	11,921.64	629.45	851.39	Start 9474.74 hold at 12313.12 MD
21,787.86	11,648.82	10,100.24	873.78	TD at 21787.86