

Georgetown - Ouray Site
Georgetown FED COM 701H
Lateral Profile 701H
Plan #1
TBD



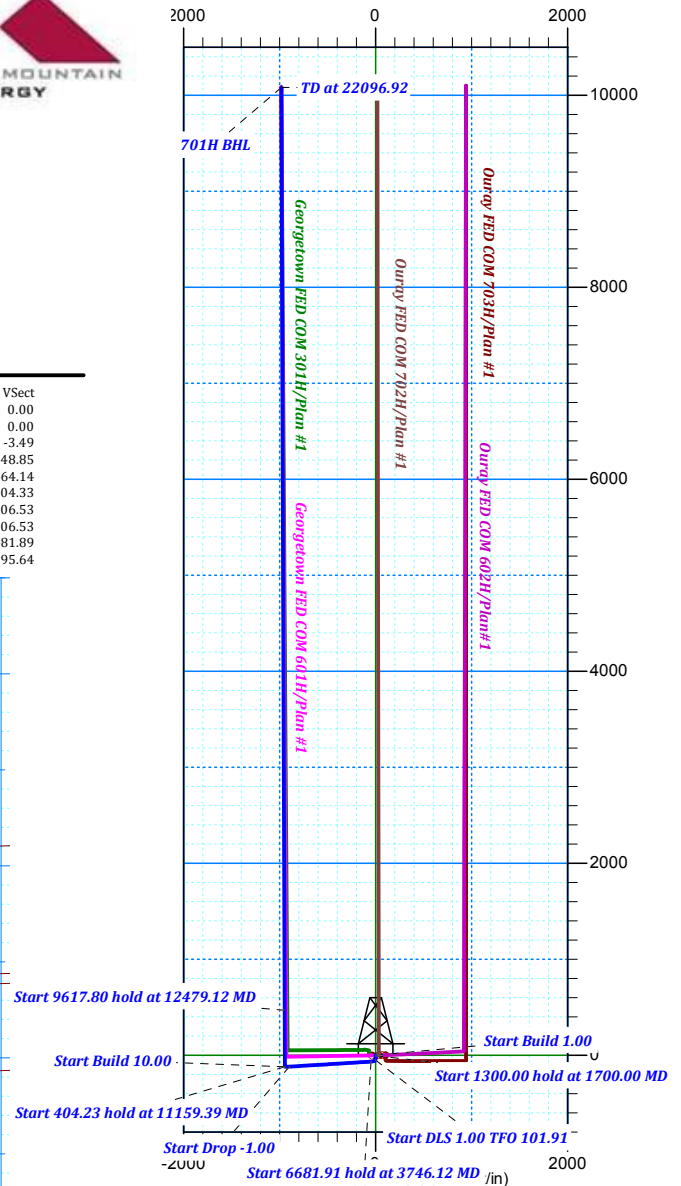
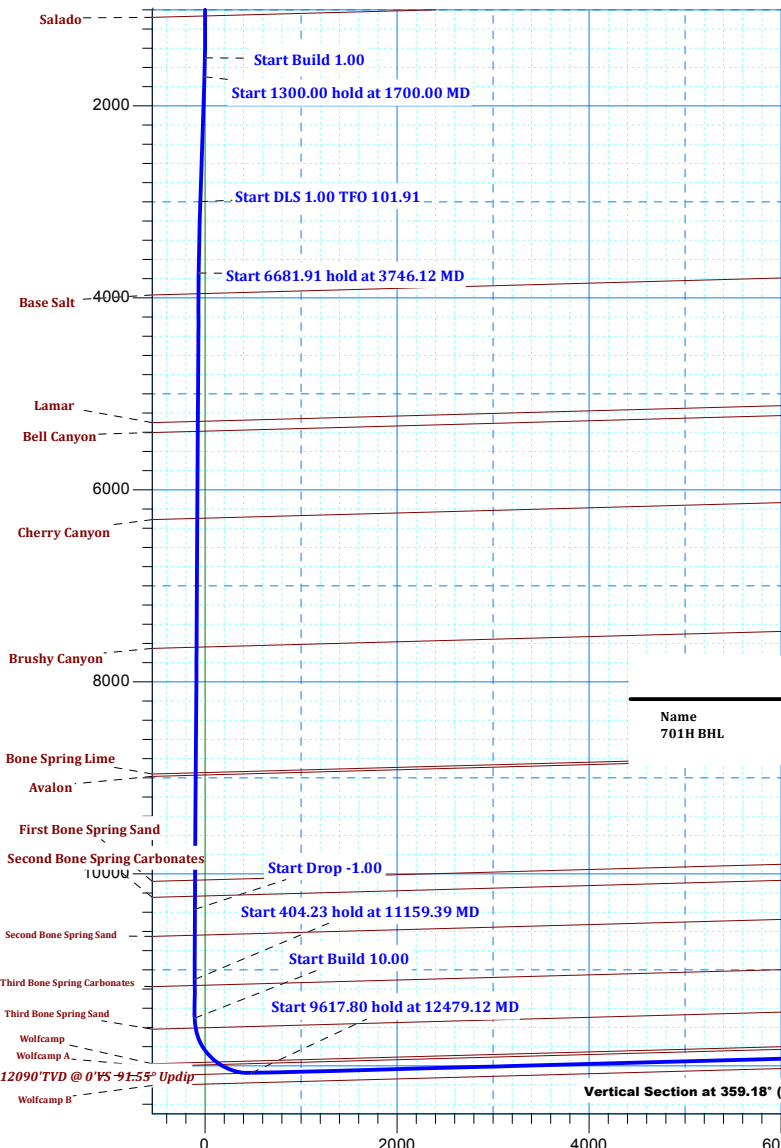
SURFACE LOCATION

US State Plane 1983
 New Mexico Eastern Zone
 Elevation: GL 3392' + 21' RKB @ 3413.00ft (TBD)

Northing	Easting	Latitude	Longitude	Slot
447152.38	837052.83	32° 13' 32.450 N	103° 22' 37.364 W	

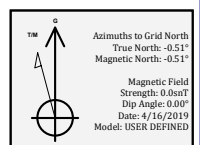
SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00
1700.00	2.00	180.00	1699.96	-3.49	0.00	1.00	180.00	-3.49
3000.00	2.00	180.00	2999.17	-48.86	0.00	0.00	0.00	-48.85
3746.12	7.31	266.47	3743.07	-64.82	-47.47	1.00	101.91	-64.14
10428.02	7.31	266.47	10370.62	-117.13	-896.47	0.00	0.00	-104.33
11159.39	0.00	0.00	11100.00	-120.00	-943.00	1.00	180.00	-106.53
11563.62	0.00	0.00	11504.23	-120.00	-943.00	0.00	0.00	-106.53
12479.12	91.55	359.78	12076.97	468.45	-945.24	10.00	359.78	481.89
22096.91	91.55	359.78	11816.82	10082.66	-981.87	0.00	0.00	10095.64



WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
701H BHL	11816.82	10082.66	-981.87	457235.02	836070.96





Franklin Mountain Energy

Georgetown - Ouray Site

Lea County NM

Georgetown FED COM 701H

Lateral Profile 701H

Plan: Plan #1

Standard Planning Report

07 July, 2019



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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				
Site Position:		Northing:	447,152.68 usft	Latitude:	32° 13' 32.450 N	
From:	Map	Easting:	837,087.82 usft	Longitude:	103° 22' 36.957 W	
Position Uncertainty:		0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.51 °

Well	Georgetown FED COM 701H					
Well Position	+N/-S	-0.30 ft	Northing:	447,152.38 usft	Latitude:	32° 13' 32.450 N
	+E/-W	-34.99 ft	Easting:	837,052.83 usft	Longitude:	103° 22' 37.364 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,392.00 ft

Wellbore	Lateral Profile 701H				
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	359.18

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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	2.00	180.00	1,699.96	-3.49	0.00	1.00	1.00	0.00	180.00	
3,000.00	2.00	180.00	2,999.17	-48.86	0.00	0.00	0.00	0.00	0.00	
3,746.12	7.31	266.47	3,743.07	-64.82	-47.47	1.00	0.71	11.59	101.91	
10,428.02	7.31	266.47	10,370.62	-117.13	-896.47	0.00	0.00	0.00	0.00	
11,159.39	0.00	0.00	11,100.00	-120.00	-943.00	1.00	-1.00	0.00	180.00	
11,563.62	0.00	0.00	11,504.23	-120.00	-943.00	0.00	0.00	0.00	0.00	
12,479.12	91.55	359.78	12,076.97	468.45	-945.24	10.00	10.00	0.00	359.78	
22,096.91	91.55	359.78	11,816.82	10,082.66	-981.87	0.00	0.00	0.00	0.00	701H BHL



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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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
968.00	0.00	0.00	968.00	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
1,065.00	0.00	0.00	1,065.00	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
Start Build 1.00									
1,600.00	1.00	180.00	1,599.99	-0.87	0.00	-0.87	1.00	1.00	0.00
1,700.00	2.00	180.00	1,699.96	-3.49	0.00	-3.49	1.00	1.00	0.00
Start 1300.00 hold at 1700.00 MD									
1,800.00	2.00	180.00	1,799.90	-6.98	0.00	-6.98	0.00	0.00	0.00
1,900.00	2.00	180.00	1,899.84	-10.47	0.00	-10.47	0.00	0.00	0.00
2,000.00	2.00	180.00	1,999.78	-13.96	0.00	-13.96	0.00	0.00	0.00
2,100.00	2.00	180.00	2,099.72	-17.45	0.00	-17.45	0.00	0.00	0.00
2,200.00	2.00	180.00	2,199.65	-20.94	0.00	-20.94	0.00	0.00	0.00
2,300.00	2.00	180.00	2,299.59	-24.43	0.00	-24.43	0.00	0.00	0.00
2,400.00	2.00	180.00	2,399.53	-27.92	0.00	-27.92	0.00	0.00	0.00
2,500.00	2.00	180.00	2,499.47	-31.41	0.00	-31.41	0.00	0.00	0.00
2,600.00	2.00	180.00	2,599.41	-34.90	0.00	-34.90	0.00	0.00	0.00
2,700.00	2.00	180.00	2,699.35	-38.39	0.00	-38.39	0.00	0.00	0.00
2,800.00	2.00	180.00	2,799.29	-41.88	0.00	-41.88	0.00	0.00	0.00
2,900.00	2.00	180.00	2,899.23	-45.37	0.00	-45.37	0.00	0.00	0.00
3,000.00	2.00	180.00	2,999.17	-48.86	0.00	-48.85	0.00	0.00	0.00
Start DLS 1.00 TFO 101.91									
3,100.00	2.04	208.62	3,099.11	-52.17	-0.85	-52.15	1.00	0.04	28.62
3,200.00	2.52	230.97	3,199.03	-55.12	-3.42	-55.06	1.00	0.48	22.35
3,300.00	3.24	244.83	3,298.90	-57.71	-7.68	-57.59	1.00	0.72	13.86
3,400.00	4.09	253.34	3,398.70	-59.93	-13.66	-59.73	1.00	0.84	8.50
3,500.00	4.99	258.86	3,498.39	-61.79	-21.33	-61.48	1.00	0.90	5.52
3,600.00	5.92	262.67	3,597.93	-63.29	-30.71	-62.84	1.00	0.93	3.81
3,700.00	6.87	265.44	3,697.31	-64.42	-41.79	-63.82	1.00	0.95	2.77
3,746.12	7.31	266.47	3,743.07	-64.82	-47.47	-64.14	1.00	0.96	2.24
Start 6681.91 hold at 3746.12 MD									
3,800.00	7.31	266.47	3,796.52	-65.24	-54.31	-64.46	0.00	0.00	0.00
3,900.00	7.31	266.47	3,895.70	-66.03	-67.02	-65.06	0.00	0.00	0.00
3,962.60	7.31	266.47	3,957.79	-66.52	-74.97	-65.44	0.00	0.00	0.00
Base Salt									



Planning Report

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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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)
4,000.00	7.31	266.47	3,994.89	-66.81	-79.73	-65.67	0.00	0.00	0.00
4,100.00	7.31	266.47	4,094.08	-67.59	-92.43	-66.27	0.00	0.00	0.00
4,200.00	7.31	266.47	4,193.26	-68.38	-105.14	-66.87	0.00	0.00	0.00
4,300.00	7.31	266.47	4,292.45	-69.16	-117.84	-67.47	0.00	0.00	0.00
4,400.00	7.31	266.47	4,391.64	-69.94	-130.55	-68.07	0.00	0.00	0.00
4,500.00	7.31	266.47	4,490.82	-70.72	-143.26	-68.67	0.00	0.00	0.00
4,600.00	7.31	266.47	4,590.01	-71.51	-155.96	-69.27	0.00	0.00	0.00
4,700.00	7.31	266.47	4,689.20	-72.29	-168.67	-69.88	0.00	0.00	0.00
4,800.00	7.31	266.47	4,788.38	-73.07	-181.37	-70.48	0.00	0.00	0.00
4,900.00	7.31	266.47	4,887.57	-73.86	-194.08	-71.08	0.00	0.00	0.00
5,000.00	7.31	266.47	4,986.76	-74.64	-206.79	-71.68	0.00	0.00	0.00
5,100.00	7.31	266.47	5,085.94	-75.42	-219.49	-72.28	0.00	0.00	0.00
5,200.00	7.31	266.47	5,185.13	-76.20	-232.20	-72.88	0.00	0.00	0.00
5,300.00	7.31	266.47	5,284.31	-76.99	-244.90	-73.49	0.00	0.00	0.00
5,303.78	7.31	266.47	5,288.06	-77.02	-245.38	-73.51	0.00	0.00	0.00
Lamar									
5,400.00	7.31	266.47	5,383.50	-77.77	-257.61	-74.09	0.00	0.00	0.00
5,408.65	7.31	266.47	5,392.08	-77.84	-258.71	-74.14	0.00	0.00	0.00
Bell Canyon									
5,500.00	7.31	266.47	5,482.69	-78.55	-270.32	-74.69	0.00	0.00	0.00
5,600.00	7.31	266.47	5,581.87	-79.34	-283.02	-75.29	0.00	0.00	0.00
5,700.00	7.31	266.47	5,681.06	-80.12	-295.73	-75.89	0.00	0.00	0.00
5,800.00	7.31	266.47	5,780.25	-80.90	-308.44	-76.49	0.00	0.00	0.00
5,900.00	7.31	266.47	5,879.43	-81.68	-321.14	-77.09	0.00	0.00	0.00
6,000.00	7.31	266.47	5,978.62	-82.47	-333.85	-77.70	0.00	0.00	0.00
6,100.00	7.31	266.47	6,077.81	-83.25	-346.55	-78.30	0.00	0.00	0.00
6,200.00	7.31	266.47	6,176.99	-84.03	-359.26	-78.90	0.00	0.00	0.00
6,300.00	7.31	266.47	6,276.18	-84.82	-371.97	-79.50	0.00	0.00	0.00
6,322.27	7.31	266.47	6,298.26	-84.99	-374.79	-79.63	0.00	0.00	0.00
Cherry Canyon									
6,400.00	7.31	266.47	6,375.37	-85.60	-384.67	-80.10	0.00	0.00	0.00
6,500.00	7.31	266.47	6,474.55	-86.38	-397.38	-80.70	0.00	0.00	0.00
6,600.00	7.31	266.47	6,573.74	-87.16	-410.08	-81.31	0.00	0.00	0.00
6,700.00	7.31	266.47	6,672.92	-87.95	-422.79	-81.91	0.00	0.00	0.00
6,800.00	7.31	266.47	6,772.11	-88.73	-435.50	-82.51	0.00	0.00	0.00
6,900.00	7.31	266.47	6,871.30	-89.51	-448.20	-83.11	0.00	0.00	0.00
7,000.00	7.31	266.47	6,970.48	-90.30	-460.91	-83.71	0.00	0.00	0.00
7,100.00	7.31	266.47	7,069.67	-91.08	-473.61	-84.31	0.00	0.00	0.00
7,200.00	7.31	266.47	7,168.86	-91.86	-486.32	-84.91	0.00	0.00	0.00
7,300.00	7.31	266.47	7,268.04	-92.64	-499.03	-85.52	0.00	0.00	0.00
7,400.00	7.31	266.47	7,367.23	-93.43	-511.73	-86.12	0.00	0.00	0.00
7,500.00	7.31	266.47	7,466.42	-94.21	-524.44	-86.72	0.00	0.00	0.00
7,600.00	7.31	266.47	7,565.60	-94.99	-537.14	-87.32	0.00	0.00	0.00
7,675.55	7.31	266.47	7,640.53	-95.58	-546.74	-87.78	0.00	0.00	0.00
Brushy Canyon									
7,700.00	7.31	266.47	7,664.79	-95.78	-549.85	-87.92	0.00	0.00	0.00
7,800.00	7.31	266.47	7,763.97	-96.56	-562.56	-88.52	0.00	0.00	0.00
7,900.00	7.31	266.47	7,863.16	-97.34	-575.26	-89.13	0.00	0.00	0.00
8,000.00	7.31	266.47	7,962.35	-98.12	-587.97	-89.73	0.00	0.00	0.00
8,100.00	7.31	266.47	8,061.53	-98.91	-600.67	-90.33	0.00	0.00	0.00
8,200.00	7.31	266.47	8,160.72	-99.69	-613.38	-90.93	0.00	0.00	0.00
8,300.00	7.31	266.47	8,259.91	-100.47	-626.09	-91.53	0.00	0.00	0.00
8,400.00	7.31	266.47	8,359.09	-101.26	-638.79	-92.13	0.00	0.00	0.00
8,500.00	7.31	266.47	8,458.28	-102.04	-651.50	-92.73	0.00	0.00	0.00



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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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)
8,600.00	7.31	266.47	8,557.47	-102.82	-664.20	-93.34	0.00	0.00	0.00
8,700.00	7.31	266.47	8,656.65	-103.60	-676.91	-93.94	0.00	0.00	0.00
8,800.00	7.31	266.47	8,755.84	-104.39	-689.62	-94.54	0.00	0.00	0.00
8,900.00	7.31	266.47	8,855.03	-105.17	-702.32	-95.14	0.00	0.00	0.00
8,995.55	7.31	266.47	8,949.80	-105.92	-714.46	-95.72	0.00	0.00	0.00
Bone Spring Lime									
9,000.00	7.31	266.47	8,954.21	-105.95	-715.03	-95.74	0.00	0.00	0.00
9,021.77	7.31	266.47	8,975.80	-106.12	-717.79	-95.87	0.00	0.00	0.00
Avalon									
9,100.00	7.31	266.47	9,053.40	-106.73	-727.73	-96.34	0.00	0.00	0.00
9,200.00	7.31	266.47	9,152.58	-107.52	-740.44	-96.95	0.00	0.00	0.00
9,300.00	7.31	266.47	9,251.77	-108.30	-753.15	-97.55	0.00	0.00	0.00
9,400.00	7.31	266.47	9,350.96	-109.08	-765.85	-98.15	0.00	0.00	0.00
9,500.00	7.31	266.47	9,450.14	-109.87	-778.56	-98.75	0.00	0.00	0.00
9,600.00	7.31	266.47	9,549.33	-110.65	-791.26	-99.35	0.00	0.00	0.00
9,700.00	7.31	266.47	9,648.52	-111.43	-803.97	-99.95	0.00	0.00	0.00
9,800.00	7.31	266.47	9,747.70	-112.21	-816.68	-100.55	0.00	0.00	0.00
9,900.00	7.31	266.47	9,846.89	-113.00	-829.38	-101.16	0.00	0.00	0.00
10,000.00	7.31	266.47	9,946.08	-113.78	-842.09	-101.76	0.00	0.00	0.00
10,100.00	7.31	266.47	10,045.26	-114.56	-854.79	-102.36	0.00	0.00	0.00
10,121.94	7.31	266.47	10,067.02	-114.74	-857.58	-102.49	0.00	0.00	0.00
First Bone Spring Sand									
10,200.00	7.31	266.47	10,144.45	-115.35	-867.50	-102.96	0.00	0.00	0.00
10,291.35	7.31	266.47	10,235.05	-116.06	-879.11	-103.51	0.00	0.00	0.00
Second Bone Spring Carbonates									
10,300.00	7.31	266.47	10,243.64	-116.13	-880.21	-103.56	0.00	0.00	0.00
10,400.00	7.31	266.47	10,342.82	-116.91	-892.91	-104.16	0.00	0.00	0.00
10,428.02	7.31	266.47	10,370.62	-117.13	-896.47	-104.33	0.00	0.00	0.00
Start Drop -1.00									
10,500.00	6.59	266.47	10,442.06	-117.67	-905.17	-104.74	1.00	-1.00	0.00
10,600.00	5.59	266.47	10,541.50	-118.32	-915.77	-105.25	1.00	-1.00	0.00
10,700.00	4.59	266.47	10,641.10	-118.87	-924.63	-105.66	1.00	-1.00	0.00
10,701.03	4.58	266.47	10,642.13	-118.87	-924.71	-105.67	1.00	-1.00	0.00
Second Bone Spring Sand									
10,800.00	3.59	266.47	10,740.84	-119.31	-931.75	-106.00	1.00	-1.00	0.00
10,900.00	2.59	266.47	10,840.70	-119.64	-937.14	-106.26	1.00	-1.00	0.00
11,000.00	1.59	266.47	10,940.63	-119.86	-940.79	-106.43	1.00	-1.00	0.00
11,100.00	0.59	266.47	11,040.61	-119.98	-942.69	-106.52	1.00	-1.00	0.00
11,159.39	0.00	0.00	11,100.00	-120.00	-943.00	-106.53	1.00	-1.00	0.00
Start 404.23 hold at 11159.39 MD									
11,200.00	0.00	0.00	11,140.61	-120.00	-943.00	-106.53	0.00	0.00	0.00
11,225.55	0.00	0.00	11,166.15	-120.00	-943.00	-106.53	0.00	0.00	0.00
Third Bone Spring Carbonates									
11,300.00	0.00	0.00	11,240.61	-120.00	-943.00	-106.53	0.00	0.00	0.00
11,400.00	0.00	0.00	11,340.61	-120.00	-943.00	-106.53	0.00	0.00	0.00
11,500.00	0.00	0.00	11,440.61	-120.00	-943.00	-106.53	0.00	0.00	0.00
11,563.62	0.00	0.00	11,504.23	-120.00	-943.00	-106.53	0.00	0.00	0.00
Start Build 10.00									
11,600.00	3.64	359.78	11,540.58	-118.84	-943.00	-105.38	10.00	10.00	0.00
11,667.86	10.42	359.78	11,607.90	-110.54	-943.04	-97.08	10.00	10.00	0.00
Third Bone Spring Sand									
11,700.00	13.64	359.78	11,639.32	-103.84	-943.06	-90.38	10.00	10.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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)
11,800.00	23.64	359.78	11,733.96	-71.92	-943.18	-58.46	10.00	10.00	0.00
11,900.00	33.64	359.78	11,821.62	-24.06	-943.37	-10.60	10.00	10.00	0.00
12,000.00	43.64	359.78	11,899.63	38.30	-943.60	51.76	10.00	10.00	0.00
12,093.89	53.03	359.78	11,961.97	108.36	-943.87	121.81	10.00	10.00	0.00
Wolfcamp									
12,100.00	53.64	359.78	11,965.62	113.26	-943.89	126.71	10.00	10.00	0.00
12,141.35	57.77	359.78	11,988.92	147.42	-944.02	160.87	10.00	10.00	0.00
Wolfcamp A									
12,200.00	63.64	359.78	12,017.60	198.54	-944.21	211.99	10.00	10.00	0.00
12,300.00	73.64	359.78	12,053.98	291.55	-944.57	305.00	10.00	10.00	0.00
12,400.00	83.64	359.78	12,073.66	389.47	-944.94	402.91	10.00	10.00	0.00
12,479.12	91.55	359.78	12,076.97	468.45	-945.24	481.89	10.00	10.00	0.00
Start 9617.80 hold at 12479.12 MD									
12,500.00	91.55	359.78	12,076.41	489.33	-945.32	502.76	0.00	0.00	0.00
12,600.00	91.55	359.78	12,073.71	589.29	-945.70	602.72	0.00	0.00	0.00
12,700.00	91.55	359.78	12,071.00	689.25	-946.08	702.68	0.00	0.00	0.00
12,800.00	91.55	359.78	12,068.30	789.22	-946.46	802.64	0.00	0.00	0.00
12,900.00	91.55	359.78	12,065.59	889.18	-946.85	902.59	0.00	0.00	0.00
13,000.00	91.55	359.78	12,062.89	989.14	-947.23	1,002.55	0.00	0.00	0.00
13,100.00	91.55	359.78	12,060.18	1,089.10	-947.61	1,102.51	0.00	0.00	0.00
13,200.00	91.55	359.78	12,057.48	1,189.07	-947.99	1,202.47	0.00	0.00	0.00
13,300.00	91.55	359.78	12,054.77	1,289.03	-948.37	1,302.43	0.00	0.00	0.00
13,400.00	91.55	359.78	12,052.07	1,388.99	-948.75	1,402.38	0.00	0.00	0.00
13,500.00	91.55	359.78	12,049.36	1,488.95	-949.13	1,502.34	0.00	0.00	0.00
13,600.00	91.55	359.78	12,046.66	1,588.92	-949.51	1,602.30	0.00	0.00	0.00
13,700.00	91.55	359.78	12,043.95	1,688.88	-949.89	1,702.26	0.00	0.00	0.00
13,800.00	91.55	359.78	12,041.25	1,788.84	-950.27	1,802.22	0.00	0.00	0.00
13,900.00	91.55	359.78	12,038.54	1,888.81	-950.65	1,902.17	0.00	0.00	0.00
14,000.00	91.55	359.78	12,035.84	1,988.77	-951.03	2,002.13	0.00	0.00	0.00
14,100.00	91.55	359.78	12,033.13	2,088.73	-951.42	2,102.09	0.00	0.00	0.00
14,200.00	91.55	359.78	12,030.43	2,188.69	-951.80	2,202.05	0.00	0.00	0.00
14,300.00	91.55	359.78	12,027.72	2,288.66	-952.18	2,302.01	0.00	0.00	0.00
14,400.00	91.55	359.78	12,025.02	2,388.62	-952.56	2,401.96	0.00	0.00	0.00
14,500.00	91.55	359.78	12,022.31	2,488.58	-952.94	2,501.92	0.00	0.00	0.00
14,600.00	91.55	359.78	12,019.61	2,588.54	-953.32	2,601.88	0.00	0.00	0.00
14,700.00	91.55	359.78	12,016.90	2,688.51	-953.70	2,701.84	0.00	0.00	0.00
14,800.00	91.55	359.78	12,014.20	2,788.47	-954.08	2,801.80	0.00	0.00	0.00
14,900.00	91.55	359.78	12,011.49	2,888.43	-954.46	2,901.75	0.00	0.00	0.00
15,000.00	91.55	359.78	12,008.79	2,988.40	-954.84	3,001.71	0.00	0.00	0.00
15,100.00	91.55	359.78	12,006.08	3,088.36	-955.22	3,101.67	0.00	0.00	0.00
15,200.00	91.55	359.78	12,003.38	3,188.32	-955.60	3,201.63	0.00	0.00	0.00
15,300.00	91.55	359.78	12,000.67	3,288.28	-955.99	3,301.59	0.00	0.00	0.00
15,400.00	91.55	359.78	11,997.97	3,388.25	-956.37	3,401.54	0.00	0.00	0.00
15,500.00	91.55	359.78	11,995.26	3,488.21	-956.75	3,501.50	0.00	0.00	0.00
15,600.00	91.55	359.78	11,992.56	3,588.17	-957.13	3,601.46	0.00	0.00	0.00
15,700.00	91.55	359.78	11,989.85	3,688.13	-957.51	3,701.42	0.00	0.00	0.00
15,800.00	91.55	359.78	11,987.15	3,788.10	-957.89	3,801.37	0.00	0.00	0.00
15,900.00	91.55	359.78	11,984.44	3,888.06	-958.27	3,901.33	0.00	0.00	0.00
16,000.00	91.55	359.78	11,981.74	3,988.02	-958.65	4,001.29	0.00	0.00	0.00
16,100.00	91.55	359.78	11,979.03	4,087.98	-959.03	4,101.25	0.00	0.00	0.00
16,200.00	91.55	359.78	11,976.33	4,187.95	-959.41	4,201.21	0.00	0.00	0.00
16,300.00	91.55	359.78	11,973.62	4,287.91	-959.79	4,301.16	0.00	0.00	0.00
16,400.00	91.55	359.78	11,970.92	4,387.87	-960.18	4,401.12	0.00	0.00	0.00



Planning Report

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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
16,500.00	91.55	359.78	11,968.21	4,487.84	-960.56	4,501.08	0.00	0.00	0.00
16,600.00	91.55	359.78	11,965.51	4,587.80	-960.94	4,601.04	0.00	0.00	0.00
16,700.00	91.55	359.78	11,962.80	4,687.76	-961.32	4,701.00	0.00	0.00	0.00
16,800.00	91.55	359.78	11,960.10	4,787.72	-961.70	4,800.95	0.00	0.00	0.00
16,900.00	91.55	359.78	11,957.39	4,887.69	-962.08	4,900.91	0.00	0.00	0.00
17,000.00	91.55	359.78	11,954.69	4,987.65	-962.46	5,000.87	0.00	0.00	0.00
17,100.00	91.55	359.78	11,951.98	5,087.61	-962.84	5,100.83	0.00	0.00	0.00
17,200.00	91.55	359.78	11,949.28	5,187.57	-963.22	5,200.79	0.00	0.00	0.00
17,300.00	91.55	359.78	11,946.57	5,287.54	-963.60	5,300.74	0.00	0.00	0.00
17,400.00	91.55	359.78	11,943.87	5,387.50	-963.98	5,400.70	0.00	0.00	0.00
17,500.00	91.55	359.78	11,941.16	5,487.46	-964.36	5,500.66	0.00	0.00	0.00
17,600.00	91.55	359.78	11,938.46	5,587.43	-964.75	5,600.62	0.00	0.00	0.00
17,700.00	91.55	359.78	11,935.75	5,687.39	-965.13	5,700.58	0.00	0.00	0.00
17,800.00	91.55	359.78	11,933.05	5,787.35	-965.51	5,800.53	0.00	0.00	0.00
17,900.00	91.55	359.78	11,930.34	5,887.31	-965.89	5,900.49	0.00	0.00	0.00
18,000.00	91.55	359.78	11,927.64	5,987.28	-966.27	6,000.45	0.00	0.00	0.00
18,100.00	91.55	359.78	11,924.93	6,087.24	-966.65	6,100.41	0.00	0.00	0.00
18,200.00	91.55	359.78	11,922.23	6,187.20	-967.03	6,200.37	0.00	0.00	0.00
18,300.00	91.55	359.78	11,919.52	6,287.16	-967.41	6,300.32	0.00	0.00	0.00
18,400.00	91.55	359.78	11,916.82	6,387.13	-967.79	6,400.28	0.00	0.00	0.00
18,500.00	91.55	359.78	11,914.11	6,487.09	-968.17	6,500.24	0.00	0.00	0.00
18,600.00	91.55	359.78	11,911.41	6,587.05	-968.55	6,600.20	0.00	0.00	0.00
18,700.00	91.55	359.78	11,908.70	6,687.01	-968.93	6,700.16	0.00	0.00	0.00
18,800.00	91.55	359.78	11,906.00	6,786.98	-969.32	6,800.11	0.00	0.00	0.00
18,900.00	91.55	359.78	11,903.29	6,886.94	-969.70	6,900.07	0.00	0.00	0.00
19,000.00	91.55	359.78	11,900.59	6,986.90	-970.08	7,000.03	0.00	0.00	0.00
19,100.00	91.55	359.78	11,897.88	7,086.87	-970.46	7,099.99	0.00	0.00	0.00
19,200.00	91.55	359.78	11,895.18	7,186.83	-970.84	7,199.95	0.00	0.00	0.00
19,300.00	91.55	359.78	11,892.47	7,286.79	-971.22	7,299.90	0.00	0.00	0.00
19,400.00	91.55	359.78	11,889.77	7,386.75	-971.60	7,399.86	0.00	0.00	0.00
19,500.00	91.55	359.78	11,887.06	7,486.72	-971.98	7,499.82	0.00	0.00	0.00
19,600.00	91.55	359.78	11,884.36	7,586.68	-972.36	7,599.78	0.00	0.00	0.00
19,700.00	91.55	359.78	11,881.66	7,686.64	-972.74	7,699.73	0.00	0.00	0.00
19,800.00	91.55	359.78	11,878.95	7,786.60	-973.12	7,799.69	0.00	0.00	0.00
19,900.00	91.55	359.78	11,876.25	7,886.57	-973.50	7,899.65	0.00	0.00	0.00
20,000.00	91.55	359.78	11,873.54	7,986.53	-973.89	7,999.61	0.00	0.00	0.00
20,100.00	91.55	359.78	11,870.84	8,086.49	-974.27	8,099.57	0.00	0.00	0.00
20,200.00	91.55	359.78	11,868.13	8,186.45	-974.65	8,199.52	0.00	0.00	0.00
20,300.00	91.55	359.78	11,865.43	8,286.42	-975.03	8,299.48	0.00	0.00	0.00
20,400.00	91.55	359.78	11,862.72	8,386.38	-975.41	8,399.44	0.00	0.00	0.00
20,500.00	91.55	359.78	11,860.02	8,486.34	-975.79	8,499.40	0.00	0.00	0.00
20,600.00	91.55	359.78	11,857.31	8,586.31	-976.17	8,599.36	0.00	0.00	0.00
20,700.00	91.55	359.78	11,854.61	8,686.27	-976.55	8,699.31	0.00	0.00	0.00
20,800.00	91.55	359.78	11,851.90	8,786.23	-976.93	8,799.27	0.00	0.00	0.00
20,900.00	91.55	359.78	11,849.20	8,886.19	-977.31	8,899.23	0.00	0.00	0.00
21,000.00	91.55	359.78	11,846.49	8,986.16	-977.69	8,999.19	0.00	0.00	0.00
21,100.00	91.55	359.78	11,843.79	9,086.12	-978.08	9,099.15	0.00	0.00	0.00
21,200.00	91.55	359.78	11,841.08	9,186.08	-978.46	9,199.10	0.00	0.00	0.00
21,300.00	91.55	359.78	11,838.38	9,286.04	-978.84	9,299.06	0.00	0.00	0.00
21,400.00	91.55	359.78	11,835.67	9,386.01	-979.22	9,399.02	0.00	0.00	0.00
21,500.00	91.55	359.78	11,832.97	9,485.97	-979.60	9,498.98	0.00	0.00	0.00
21,600.00	91.55	359.78	11,830.26	9,585.93	-979.98	9,598.94	0.00	0.00	0.00
21,700.00	91.55	359.78	11,827.56	9,685.90	-980.36	9,698.89	0.00	0.00	0.00
21,800.00	91.55	359.78	11,824.85	9,785.86	-980.74	9,798.85	0.00	0.00	0.00



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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
21,900.00	91.55	359.78	11,822.15	9,885.82	-981.12	9,898.81	0.00	0.00	0.00
22,000.00	91.55	359.78	11,819.44	9,985.78	-981.50	9,998.77	0.00	0.00	0.00
22,096.91	91.55	359.78	11,816.82	10,082.66	-981.87	10,095.64	0.00	0.00	0.00
TD at 22096.92 - 701H BHL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
701H BHL	0.00	0.07	11,816.82	10,082.66	-981.87	457,235.02	836,070.96	32° 15' 12.300 N	103° 22' 47.752 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)		-1.55	359.79
968.00	968.00	Rustler		-1.55	359.79
1,065.00	1,065.00	Salado		-1.55	359.79
3,962.60	3,957.79	Base Salt		-1.55	359.79
5,303.78	5,288.06	Lamar		-1.55	359.79
5,408.65	5,392.08	Bell Canyon		-1.55	359.79
6,322.27	6,298.26	Cherry Canyon		-1.55	359.79
7,675.55	7,640.53	Brushy Canyon		-1.55	359.79
8,995.55	8,949.80	Bone Spring Lime		-1.55	359.79
9,021.77	8,975.80	Avalon		-1.55	359.79
10,121.94	10,067.02	First Bone Spring Sand		-1.55	359.79
10,291.35	10,235.05	Second Bone Spring Carbonates		-1.55	359.79
10,701.03	10,642.13	Second Bone Spring Sand		-1.55	359.79
11,225.55	11,166.15	Third Bone Spring Carbonates		-1.55	359.79
11,667.86	11,607.90	Third Bone Spring Sand		-1.55	359.79
12,093.89	11,961.97	Wolfcamp		-1.55	359.79
12,141.35	11,988.92	Wolfcamp A		-1.55	359.79



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
Design:	Plan #1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,500.00	1,500.00	0.00	0.00	Start Build 1.00
1,700.00	1,699.96	-3.49	0.00	Start 1300.00 hold at 1700.00 MD
3,000.00	2,999.17	-48.86	0.00	Start DLS 1.00 TFO 101.91
3,746.12	3,743.07	-64.82	-47.47	Start 6681.91 hold at 3746.12 MD
10,428.02	10,370.62	-117.13	-896.47	Start Drop -1.00
11,159.39	11,100.00	-120.00	-943.00	Start 404.23 hold at 11159.39 MD
11,563.62	11,504.23	-120.00	-943.00	Start Build 10.00
12,479.12	12,076.97	468.45	-945.24	Start 9617.80 hold at 12479.12 MD
22,096.91	11,816.82	10,082.66	-981.87	TD at 22096.92



Franklin Mountain Energy

Georgetown - Ouray Site

Lea County NM

Georgetown FED COM 701H

Lateral Profile 701H

Plan: Plan #1

Standard Planning Report - Geographic

07 July, 2019



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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			
Site Position: From: Position Uncertainty:	Map	Northing:	447,152.68 usft	Latitude:	32° 13' 32.450 N
		Easting:	837,087.82 usft	Longitude:	103° 22' 36.957 W
		Slot Radius:	13.200 in	Grid Convergence:	0.51 °

Well	Georgetown FED COM 701H					
Well Position	+N/-S	0.00 ft	Northing:	447,152.38 usft	Latitude:	32° 13' 32.450 N
	+E/-W	0.00 ft	Easting:	837,052.83 usft	Longitude:	103° 22' 37.364 W
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	3,392.00 ft

Wellbore	Lateral Profile 701H				
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	359.18	

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	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	2.00	180.00	1,699.96	-3.49	0.00	1.00	1.00	0.00	180.00	
3,000.00	2.00	180.00	2,999.17	-48.86	0.00	0.00	0.00	0.00	0.00	
3,746.12	7.31	266.47	3,743.07	-64.82	-47.47	1.00	0.71	11.59	101.91	
10,428.02	7.31	266.47	10,370.62	-117.13	-896.47	0.00	0.00	0.00	0.00	
11,159.39	0.00	0.00	11,100.00	-120.00	-943.00	1.00	-1.00	0.00	180.00	
11,563.62	0.00	0.00	11,504.23	-120.00	-943.00	0.00	0.00	0.00	0.00	
12,479.12	91.55	359.78	12,076.97	468.45	-945.24	10.00	10.00	0.00	359.78	
22,096.91	91.55	359.78	11,816.82	10,082.66	-981.87	0.00	0.00	0.00	0.00	701H BHL



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
21.00	0.00	0.00	21.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
200.00	0.00	0.00	200.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
300.00	0.00	0.00	300.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
400.00	0.00	0.00	400.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
500.00	0.00	0.00	500.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
600.00	0.00	0.00	600.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
700.00	0.00	0.00	700.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
800.00	0.00	0.00	800.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
900.00	0.00	0.00	900.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
968.00	0.00	0.00	968.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
Rustler									
1,000.00	0.00	0.00	1,000.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
1,065.00	0.00	0.00	1,065.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
Salado									
1,100.00	0.00	0.00	1,100.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
1,200.00	0.00	0.00	1,200.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
1,300.00	0.00	0.00	1,300.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
1,400.00	0.00	0.00	1,400.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
1,500.00	0.00	0.00	1,500.00	0.00	0.00	447,152.38	837,052.83	32° 13' 32.450 N	103° 22' 37.364 W
Start Build 1.00									
1,600.00	1.00	180.00	1,599.99	-0.87	0.00	447,151.51	837,052.83	32° 13' 32.441 N	103° 22' 37.365 W
1,700.00	2.00	180.00	1,699.96	-3.49	0.00	447,148.89	837,052.83	32° 13' 32.415 N	103° 22' 37.365 W
Start 1300.00 hold at 1700.00 MD									
1,800.00	2.00	180.00	1,799.90	-6.98	0.00	447,145.40	837,052.83	32° 13' 32.381 N	103° 22' 37.365 W
1,900.00	2.00	180.00	1,899.84	-10.47	0.00	447,141.91	837,052.83	32° 13' 32.346 N	103° 22' 37.366 W
2,000.00	2.00	180.00	1,999.78	-13.96	0.00	447,138.42	837,052.83	32° 13' 32.311 N	103° 22' 37.366 W
2,100.00	2.00	180.00	2,099.72	-17.45	0.00	447,134.93	837,052.83	32° 13' 32.277 N	103° 22' 37.366 W
2,200.00	2.00	180.00	2,199.65	-20.94	0.00	447,131.44	837,052.83	32° 13' 32.242 N	103° 22' 37.367 W
2,300.00	2.00	180.00	2,299.59	-24.43	0.00	447,127.95	837,052.83	32° 13' 32.208 N	103° 22' 37.367 W
2,400.00	2.00	180.00	2,399.53	-27.92	0.00	447,124.46	837,052.83	32° 13' 32.173 N	103° 22' 37.367 W
2,500.00	2.00	180.00	2,499.47	-31.41	0.00	447,120.97	837,052.83	32° 13' 32.139 N	103° 22' 37.368 W
2,600.00	2.00	180.00	2,599.41	-34.90	0.00	447,117.48	837,052.83	32° 13' 32.104 N	103° 22' 37.368 W
2,700.00	2.00	180.00	2,699.35	-38.39	0.00	447,113.99	837,052.83	32° 13' 32.070 N	103° 22' 37.368 W
2,800.00	2.00	180.00	2,799.29	-41.88	0.00	447,110.50	837,052.83	32° 13' 32.035 N	103° 22' 37.369 W
2,900.00	2.00	180.00	2,899.23	-45.37	0.00	447,107.01	837,052.83	32° 13' 32.001 N	103° 22' 37.369 W
3,000.00	2.00	180.00	2,999.17	-48.86	0.00	447,103.52	837,052.83	32° 13' 31.966 N	103° 22' 37.370 W
Start DLS 1.00 TFO 101.91									
3,100.00	2.04	208.62	3,099.11	-52.17	-0.85	447,100.21	837,051.97	32° 13' 31.934 N	103° 22' 37.380 W
3,200.00	2.52	230.97	3,199.03	-55.12	-3.42	447,097.26	837,049.41	32° 13' 31.905 N	103° 22' 37.410 W
3,300.00	3.24	244.83	3,298.90	-57.71	-7.68	447,094.67	837,045.15	32° 13' 31.879 N	103° 22' 37.460 W
3,400.00	4.09	253.34	3,398.70	-59.93	-13.66	447,092.45	837,039.17	32° 13' 31.858 N	103° 22' 37.530 W
3,500.00	4.99	258.86	3,498.39	-61.79	-21.33	447,090.59	837,031.49	32° 13' 31.840 N	103° 22' 37.619 W
3,600.00	5.92	262.67	3,597.93	-63.29	-30.71	447,089.09	837,022.12	32° 13' 31.826 N	103° 22' 37.729 W
3,700.00	6.87	265.44	3,697.31	-64.42	-41.79	447,087.96	837,011.04	32° 13' 31.816 N	103° 22' 37.858 W
3,746.12	7.31	266.47	3,743.07	-64.82	-47.47	447,087.56	837,005.36	32° 13' 31.812 N	103° 22' 37.924 W
Start 6681.91 hold at 3746.12 MD									
3,800.00	7.31	266.47	3,796.52	-65.24	-54.31	447,087.14	836,998.51	32° 13' 31.809 N	103° 22' 38.003 W
3,900.00	7.31	266.47	3,895.70	-66.03	-67.02	447,086.35	836,985.81	32° 13' 31.802 N	103° 22' 38.151 W
3,962.60	7.31	266.47	3,957.79	-66.52	-74.97	447,085.86	836,977.85	32° 13' 31.798 N	103° 22' 38.244 W
Base Salt									
4,000.00	7.31	266.47	3,994.89	-66.81	-79.73	447,085.57	836,973.10	32° 13' 31.796 N	103° 22' 38.299 W



Planning Report - Geographic

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Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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
4,100.00	7.31	266.47	4,094.08	-67.59	-92.43	447,084.79	836,960.40	32° 13' 31.789 N	103° 22' 38.447 W
4,200.00	7.31	266.47	4,193.26	-68.38	-105.14	447,084.00	836,947.69	32° 13' 31.782 N	103° 22' 38.595 W
4,300.00	7.31	266.47	4,292.45	-69.16	-117.84	447,083.22	836,934.98	32° 13' 31.776 N	103° 22' 38.743 W
4,400.00	7.31	266.47	4,391.64	-69.94	-130.55	447,082.44	836,922.28	32° 13' 31.769 N	103° 22' 38.891 W
4,500.00	7.31	266.47	4,490.82	-70.72	-143.26	447,081.66	836,909.57	32° 13' 31.762 N	103° 22' 39.039 W
4,600.00	7.31	266.47	4,590.01	-71.51	-155.96	447,080.87	836,896.87	32° 13' 31.756 N	103° 22' 39.187 W
4,700.00	7.31	266.47	4,689.20	-72.29	-168.67	447,080.09	836,884.16	32° 13' 31.749 N	103° 22' 39.335 W
4,800.00	7.31	266.47	4,788.38	-73.07	-181.37	447,079.31	836,871.45	32° 13' 31.743 N	103° 22' 39.483 W
4,900.00	7.31	266.47	4,887.57	-73.86	-194.08	447,078.52	836,858.75	32° 13' 31.736 N	103° 22' 39.631 W
5,000.00	7.31	266.47	4,986.76	-74.64	-206.79	447,077.74	836,846.04	32° 13' 31.729 N	103° 22' 39.779 W
5,100.00	7.31	266.47	5,085.94	-75.42	-219.49	447,076.96	836,833.34	32° 13' 31.723 N	103° 22' 39.927 W
5,200.00	7.31	266.47	5,185.13	-76.20	-232.20	447,076.18	836,820.63	32° 13' 31.716 N	103° 22' 40.075 W
5,300.00	7.31	266.47	5,284.31	-76.99	-244.90	447,075.39	836,807.92	32° 13' 31.709 N	103° 22' 40.223 W
5,303.78	7.31	266.47	5,288.06	-77.02	-245.38	447,075.36	836,807.44	32° 13' 31.709 N	103° 22' 40.229 W
Lamar									
5,400.00	7.31	266.47	5,383.50	-77.77	-257.61	447,074.61	836,795.22	32° 13' 31.703 N	103° 22' 40.371 W
5,408.65	7.31	266.47	5,392.08	-77.84	-258.71	447,074.54	836,794.12	32° 13' 31.702 N	103° 22' 40.384 W
Bell Canyon									
5,500.00	7.31	266.47	5,482.69	-78.55	-270.32	447,073.83	836,782.51	32° 13' 31.696 N	103° 22' 40.519 W
5,600.00	7.31	266.47	5,581.87	-79.34	-283.02	447,073.04	836,769.81	32° 13' 31.690 N	103° 22' 40.667 W
5,700.00	7.31	266.47	5,681.06	-80.12	-295.73	447,072.26	836,757.10	32° 13' 31.683 N	103° 22' 40.815 W
5,800.00	7.31	266.47	5,780.25	-80.90	-308.44	447,071.48	836,744.39	32° 13' 31.676 N	103° 22' 40.963 W
5,900.00	7.31	266.47	5,879.43	-81.68	-321.14	447,070.70	836,731.69	32° 13' 31.670 N	103° 22' 41.111 W
6,000.00	7.31	266.47	5,978.62	-82.47	-333.85	447,069.91	836,718.98	32° 13' 31.663 N	103° 22' 41.259 W
6,100.00	7.31	266.47	6,077.81	-83.25	-346.55	447,069.13	836,706.28	32° 13' 31.656 N	103° 22' 41.407 W
6,200.00	7.31	266.47	6,176.99	-84.03	-359.26	447,068.35	836,693.57	32° 13' 31.650 N	103° 22' 41.555 W
6,300.00	7.31	266.47	6,276.18	-84.82	-371.97	447,067.56	836,680.86	32° 13' 31.643 N	103° 22' 41.703 W
6,322.27	7.31	266.47	6,298.26	-84.99	-374.79	447,067.39	836,678.04	32° 13' 31.642 N	103° 22' 41.736 W
Cherry Canyon									
6,400.00	7.31	266.47	6,375.37	-85.60	-384.67	447,066.78	836,668.16	32° 13' 31.637 N	103° 22' 41.851 W
6,500.00	7.31	266.47	6,474.55	-86.38	-397.38	447,066.00	836,655.45	32° 13' 31.630 N	103° 22' 41.999 W
6,600.00	7.31	266.47	6,573.74	-87.16	-410.08	447,065.22	836,642.75	32° 13' 31.623 N	103° 22' 42.147 W
6,700.00	7.31	266.47	6,672.92	-87.95	-422.79	447,064.43	836,630.04	32° 13' 31.617 N	103° 22' 42.295 W
6,800.00	7.31	266.47	6,772.11	-88.73	-435.50	447,063.65	836,617.33	32° 13' 31.610 N	103° 22' 42.443 W
6,900.00	7.31	266.47	6,871.30	-89.51	-448.20	447,062.87	836,604.63	32° 13' 31.603 N	103° 22' 42.591 W
7,000.00	7.31	266.47	6,970.48	-90.30	-460.91	447,062.08	836,591.92	32° 13' 31.597 N	103° 22' 42.739 W
7,100.00	7.31	266.47	7,069.67	-91.08	-473.61	447,061.30	836,579.22	32° 13' 31.590 N	103° 22' 42.887 W
7,200.00	7.31	266.47	7,168.86	-91.86	-486.32	447,060.52	836,566.51	32° 13' 31.583 N	103° 22' 43.035 W
7,300.00	7.31	266.47	7,268.04	-92.64	-499.03	447,059.74	836,553.80	32° 13' 31.577 N	103° 22' 43.183 W
7,400.00	7.31	266.47	7,367.23	-93.43	-511.73	447,058.95	836,541.10	32° 13' 31.570 N	103° 22' 43.331 W
7,500.00	7.31	266.47	7,466.42	-94.21	-524.44	447,058.17	836,528.39	32° 13' 31.564 N	103° 22' 43.479 W
7,600.00	7.31	266.47	7,565.60	-94.99	-537.14	447,057.39	836,515.69	32° 13' 31.557 N	103° 22' 43.627 W
7,675.55	7.31	266.47	7,640.53	-95.58	-546.74	447,056.80	836,506.09	32° 13' 31.552 N	103° 22' 43.739 W
Brushy Canyon									
7,700.00	7.31	266.47	7,664.79	-95.78	-549.85	447,056.61	836,502.98	32° 13' 31.550 N	103° 22' 43.775 W
7,800.00	7.31	266.47	7,763.97	-96.56	-562.56	447,055.82	836,490.27	32° 13' 31.544 N	103° 22' 43.923 W
7,900.00	7.31	266.47	7,863.16	-97.34	-575.26	447,055.04	836,477.57	32° 13' 31.537 N	103° 22' 44.071 W
8,000.00	7.31	266.47	7,962.35	-98.12	-587.97	447,054.26	836,464.86	32° 13' 31.530 N	103° 22' 44.219 W
8,100.00	7.31	266.47	8,061.53	-98.91	-600.67	447,053.47	836,452.16	32° 13' 31.524 N	103° 22' 44.367 W
8,200.00	7.31	266.47	8,160.72	-99.69	-613.38	447,052.69	836,439.45	32° 13' 31.517 N	103° 22' 44.515 W
8,300.00	7.31	266.47	8,259.91	-100.47	-626.09	447,051.91	836,426.74	32° 13' 31.511 N	103° 22' 44.663 W
8,400.00	7.31	266.47	8,359.09	-101.26	-638.79	447,051.13	836,414.04	32° 13' 31.504 N	103° 22' 44.811 W
8,500.00	7.31	266.47	8,458.28	-102.04	-651.50	447,050.34	836,401.33	32° 13' 31.497 N	103° 22' 44.959 W
8,600.00	7.31	266.47	8,557.47	-102.82	-664.20	447,049.56	836,388.63	32° 13' 31.491 N	103° 22' 45.107 W



Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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	
8,700.00	7.31	266.47	8,656.65	-103.60	-676.91	447,048.78	836,375.92	32° 13' 31.484 N	103° 22' 45.255 W	
8,800.00	7.31	266.47	8,755.84	-104.39	-689.62	447,047.99	836,363.21	32° 13' 31.477 N	103° 22' 45.403 W	
8,900.00	7.31	266.47	8,855.03	-105.17	-702.32	447,047.21	836,350.51	32° 13' 31.471 N	103° 22' 45.551 W	
8,995.55	7.31	266.47	8,949.80	-105.92	-714.46	447,046.46	836,338.37	32° 13' 31.464 N	103° 22' 45.692 W	
Bone Spring Lime										
9,000.00	7.31	266.47	8,954.21	-105.95	-715.03	447,046.43	836,337.80	32° 13' 31.464 N	103° 22' 45.699 W	
9,021.77	7.31	266.47	8,975.80	-106.12	-717.79	447,046.26	836,335.04	32° 13' 31.463 N	103° 22' 45.731 W	
Avalon										
9,100.00	7.31	266.47	9,053.40	-106.73	-727.73	447,045.65	836,325.10	32° 13' 31.458 N	103° 22' 45.847 W	
9,200.00	7.31	266.47	9,152.58	-107.52	-740.44	447,044.86	836,312.39	32° 13' 31.451 N	103° 22' 45.995 W	
9,300.00	7.31	266.47	9,251.77	-108.30	-753.15	447,044.08	836,299.68	32° 13' 31.444 N	103° 22' 46.143 W	
9,400.00	7.31	266.47	9,350.96	-109.08	-765.85	447,043.30	836,286.98	32° 13' 31.438 N	103° 22' 46.291 W	
9,500.00	7.31	266.47	9,450.14	-109.87	-778.56	447,042.51	836,274.27	32° 13' 31.431 N	103° 22' 46.438 W	
9,600.00	7.31	266.47	9,549.33	-110.65	-791.26	447,041.73	836,261.57	32° 13' 31.424 N	103° 22' 46.586 W	
9,700.00	7.31	266.47	9,648.52	-111.43	-803.97	447,040.95	836,248.86	32° 13' 31.418 N	103° 22' 46.734 W	
9,800.00	7.31	266.47	9,747.70	-112.21	-816.68	447,040.17	836,236.15	32° 13' 31.411 N	103° 22' 46.882 W	
9,900.00	7.31	266.47	9,846.89	-113.00	-829.38	447,039.38	836,223.45	32° 13' 31.404 N	103° 22' 47.030 W	
10,000.00	7.31	266.47	9,946.08	-113.78	-842.09	447,038.60	836,210.74	32° 13' 31.398 N	103° 22' 47.178 W	
10,100.00	7.31	266.47	10,045.26	-114.56	-854.79	447,037.82	836,198.04	32° 13' 31.391 N	103° 22' 47.326 W	
10,121.94	7.31	266.47	10,067.02	-114.74	-857.58	447,037.65	836,195.25	32° 13' 31.390 N	103° 22' 47.359 W	
First Bone Spring Sand										
10,200.00	7.31	266.47	10,144.45	-115.35	-867.50	447,037.03	836,185.33	32° 13' 31.385 N	103° 22' 47.474 W	
10,291.35	7.31	266.47	10,235.05	-116.06	-879.11	447,036.32	836,173.72	32° 13' 31.379 N	103° 22' 47.610 W	
Second Bone Spring Carbonates										
10,300.00	7.31	266.47	10,243.64	-116.13	-880.21	447,036.25	836,172.62	32° 13' 31.378 N	103° 22' 47.622 W	
10,400.00	7.31	266.47	10,342.82	-116.91	-892.91	447,035.47	836,159.92	32° 13' 31.371 N	103° 22' 47.770 W	
10,428.02	7.31	266.47	10,370.62	-117.13	-896.47	447,035.25	836,156.36	32° 13' 31.369 N	103° 22' 47.812 W	
Start Drop -1.00										
10,500.00	6.59	266.47	10,442.06	-117.67	-905.17	447,034.71	836,147.66	32° 13' 31.365 N	103° 22' 47.913 W	
10,600.00	5.59	266.47	10,541.50	-118.32	-915.77	447,034.06	836,137.06	32° 13' 31.359 N	103° 22' 48.037 W	
10,700.00	4.59	266.47	10,641.10	-118.87	-924.63	447,033.51	836,128.20	32° 13' 31.355 N	103° 22' 48.140 W	
10,701.03	4.58	266.47	10,642.13	-118.87	-924.71	447,033.51	836,128.12	32° 13' 31.355 N	103° 22' 48.141 W	
Second Bone Spring Sand										
10,800.00	3.59	266.47	10,740.84	-119.31	-931.75	447,033.08	836,121.08	32° 13' 31.351 N	103° 22' 48.223 W	
10,900.00	2.59	266.47	10,840.70	-119.64	-937.14	447,032.74	836,115.69	32° 13' 31.348 N	103° 22' 48.285 W	
11,000.00	1.59	266.47	10,940.63	-119.86	-940.79	447,032.52	836,112.04	32° 13' 31.346 N	103° 22' 48.328 W	
11,100.00	0.59	266.47	11,040.61	-119.98	-942.69	447,032.40	836,110.14	32° 13' 31.345 N	103° 22' 48.350 W	
11,159.39	0.00	0.00	11,100.00	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
Start 404.23 hold at 11159.39 MD										
11,200.00	0.00	0.00	11,140.61	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
11,225.55	0.00	0.00	11,166.15	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
Third Bone Spring Carbonates										
11,300.00	0.00	0.00	11,240.61	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
11,400.00	0.00	0.00	11,340.61	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
11,500.00	0.00	0.00	11,440.61	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
11,563.62	0.00	0.00	11,504.23	-120.00	-943.00	447,032.38	836,109.83	32° 13' 31.345 N	103° 22' 48.354 W	
Start Build 10.00										
11,600.00	3.64	359.78	11,540.58	-118.84	-943.00	447,033.54	836,109.83	32° 13' 31.357 N	103° 22' 48.354 W	
11,667.86	10.42	359.78	11,607.90	-110.54	-943.04	447,041.84	836,109.79	32° 13' 31.439 N	103° 22' 48.353 W	
Third Bone Spring Sand										
11,700.00	13.64	359.78	11,639.32	-103.84	-943.06	447,048.54	836,109.77	32° 13' 31.505 N	103° 22' 48.353 W	
11,800.00	23.64	359.78	11,733.96	-71.92	-943.18	447,080.46	836,109.65	32° 13' 31.821 N	103° 22' 48.351 W	
11,900.00	33.64	359.78	11,821.62	-24.06	-943.37	447,128.32	836,109.46	32° 13' 32.295 N	103° 22' 48.348 W	



Planning Report - Geographic

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Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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	
12,000.00	43.64	359.78	11,899.63	38.30	-943.60	447,190.68	836,109.23	32° 13' 32.912 N	103° 22' 48.344 W	
12,093.89	53.03	359.78	11,961.97	108.36	-943.87	447,260.74	836,108.96	32° 13' 33.605 N	103° 22' 48.340 W	
Wolfcamp										
12,100.00	53.64	359.78	11,965.62	113.26	-943.89	447,265.64	836,108.94	32° 13' 33.653 N	103° 22' 48.340 W	
12,141.35	57.77	359.78	11,988.92	147.42	-944.02	447,299.80	836,108.81	32° 13' 33.991 N	103° 22' 48.338 W	
Wolfcamp A										
12,200.00	63.64	359.78	12,017.60	198.54	-944.21	447,350.92	836,108.62	32° 13' 34.497 N	103° 22' 48.335 W	
12,300.00	73.64	359.78	12,053.98	291.55	-944.57	447,443.93	836,108.26	32° 13' 35.418 N	103° 22' 48.329 W	
12,400.00	83.64	359.78	12,073.66	389.47	-944.94	447,541.85	836,107.89	32° 13' 36.386 N	103° 22' 48.324 W	
12,479.12	91.55	359.78	12,076.97	468.45	-945.24	447,620.83	836,107.59	32° 13' 37.168 N	103° 22' 48.319 W	
Start 9617.80 hold at 12479.12 MD										
12,500.00	91.55	359.78	12,076.41	489.33	-945.32	447,641.71	836,107.51	32° 13' 37.374 N	103° 22' 48.318 W	
12,600.00	91.55	359.78	12,073.71	589.29	-945.70	447,741.67	836,107.13	32° 13' 38.364 N	103° 22' 48.312 W	
12,700.00	91.55	359.78	12,071.00	689.25	-946.08	447,841.63	836,106.75	32° 13' 39.353 N	103° 22' 48.306 W	
12,800.00	91.55	359.78	12,068.30	789.22	-946.46	447,941.59	836,106.37	32° 13' 40.342 N	103° 22' 48.300 W	
12,900.00	91.55	359.78	12,065.59	889.18	-946.85	448,041.56	836,105.99	32° 13' 41.331 N	103° 22' 48.294 W	
13,000.00	91.55	359.78	12,062.89	989.14	-947.23	448,141.52	836,105.60	32° 13' 42.320 N	103° 22' 48.288 W	
13,100.00	91.55	359.78	12,060.18	1,089.10	-947.61	448,241.48	836,105.22	32° 13' 43.309 N	103° 22' 48.282 W	
13,200.00	91.55	359.78	12,057.48	1,189.07	-947.99	448,341.44	836,104.84	32° 13' 44.298 N	103° 22' 48.277 W	
13,300.00	91.55	359.78	12,054.77	1,289.03	-948.37	448,441.41	836,104.46	32° 13' 45.288 N	103° 22' 48.271 W	
13,400.00	91.55	359.78	12,052.07	1,388.99	-948.75	448,541.37	836,104.08	32° 13' 46.277 N	103° 22' 48.265 W	
13,500.00	91.55	359.78	12,049.36	1,488.95	-949.13	448,641.33	836,103.70	32° 13' 47.266 N	103° 22' 48.259 W	
13,600.00	91.55	359.78	12,046.66	1,588.92	-949.51	448,741.29	836,103.32	32° 13' 48.255 N	103° 22' 48.253 W	
13,700.00	91.55	359.78	12,043.95	1,688.88	-949.89	448,841.26	836,102.94	32° 13' 49.244 N	103° 22' 48.247 W	
13,800.00	91.55	359.78	12,041.25	1,788.84	-950.27	448,941.22	836,102.56	32° 13' 50.233 N	103° 22' 48.241 W	
13,900.00	91.55	359.78	12,038.54	1,888.81	-950.65	449,041.18	836,102.18	32° 13' 51.222 N	103° 22' 48.235 W	
14,000.00	91.55	359.78	12,035.84	1,988.77	-951.03	449,141.14	836,101.80	32° 13' 52.211 N	103° 22' 48.229 W	
14,100.00	91.55	359.78	12,033.13	2,088.73	-951.42	449,241.11	836,101.42	32° 13' 53.201 N	103° 22' 48.224 W	
14,200.00	91.55	359.78	12,030.43	2,188.69	-951.80	449,341.07	836,101.03	32° 13' 54.190 N	103° 22' 48.218 W	
14,300.00	91.55	359.78	12,027.72	2,288.66	-952.18	449,441.03	836,100.65	32° 13' 55.179 N	103° 22' 48.212 W	
14,400.00	91.55	359.78	12,025.02	2,388.62	-952.56	449,540.99	836,100.27	32° 13' 56.168 N	103° 22' 48.206 W	
14,500.00	91.55	359.78	12,022.31	2,488.58	-952.94	449,640.96	836,099.89	32° 13' 57.157 N	103° 22' 48.200 W	
14,600.00	91.55	359.78	12,019.61	2,588.54	-953.32	449,740.92	836,099.51	32° 13' 58.146 N	103° 22' 48.194 W	
14,700.00	91.55	359.78	12,016.90	2,688.51	-953.70	449,840.88	836,099.13	32° 13' 59.135 N	103° 22' 48.188 W	
14,800.00	91.55	359.78	12,014.20	2,788.47	-954.08	449,940.84	836,098.75	32° 14' 0.124 N	103° 22' 48.182 W	
14,900.00	91.55	359.78	12,011.49	2,888.43	-954.46	450,040.81	836,098.37	32° 14' 1.114 N	103° 22' 48.176 W	
15,000.00	91.55	359.78	12,008.79	2,988.40	-954.84	450,140.77	836,097.99	32° 14' 2.103 N	103° 22' 48.170 W	
15,100.00	91.55	359.78	12,006.08	3,088.36	-955.22	450,240.73	836,097.61	32° 14' 3.092 N	103° 22' 48.165 W	
15,200.00	91.55	359.78	12,003.38	3,188.32	-955.60	450,340.69	836,097.23	32° 14' 4.081 N	103° 22' 48.159 W	
15,300.00	91.55	359.78	12,000.67	3,288.28	-955.99	450,440.66	836,096.84	32° 14' 5.070 N	103° 22' 48.153 W	
15,400.00	91.55	359.78	11,997.97	3,388.25	-956.37	450,540.62	836,096.46	32° 14' 6.059 N	103° 22' 48.147 W	
15,500.00	91.55	359.78	11,995.26	3,488.21	-956.75	450,640.58	836,096.08	32° 14' 7.048 N	103° 22' 48.141 W	
15,600.00	91.55	359.78	11,992.56	3,588.17	-957.13	450,740.54	836,095.70	32° 14' 8.038 N	103° 22' 48.135 W	
15,700.00	91.55	359.78	11,989.85	3,688.13	-957.51	450,840.51	836,095.32	32° 14' 9.027 N	103° 22' 48.129 W	
15,800.00	91.55	359.78	11,987.15	3,788.10	-957.89	450,940.47	836,094.94	32° 14' 10.016 N	103° 22' 48.123 W	
15,900.00	91.55	359.78	11,984.44	3,888.06	-958.27	451,040.43	836,094.56	32° 14' 11.005 N	103° 22' 48.117 W	
16,000.00	91.55	359.78	11,981.74	3,988.02	-958.65	451,140.39	836,094.18	32° 14' 11.994 N	103° 22' 48.112 W	
16,100.00	91.55	359.78	11,979.03	4,087.98	-959.03	451,240.36	836,093.80	32° 14' 12.983 N	103° 22' 48.106 W	
16,200.00	91.55	359.78	11,976.33	4,187.95	-959.41	451,340.32	836,093.42	32° 14' 13.972 N	103° 22' 48.100 W	
16,300.00	91.55	359.78	11,973.62	4,287.91	-959.79	451,440.28	836,093.04	32° 14' 14.961 N	103° 22' 48.094 W	
16,400.00	91.55	359.78	11,970.92	4,387.87	-960.18	451,540.24	836,092.66	32° 14' 15.951 N	103° 22' 48.088 W	
16,500.00	91.55	359.78	11,968.21	4,487.84	-960.56	451,640.21	836,092.27	32° 14' 16.940 N	103° 22' 48.082 W	
16,600.00	91.55	359.78	11,965.51	4,587.80	-960.94	451,740.17	836,091.89	32° 14' 17.929 N	103° 22' 48.076 W	
16,700.00	91.55	359.78	11,962.80	4,687.76	-961.32	451,840.13	836,091.51	32° 14' 18.918 N	103° 22' 48.070 W	



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Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
Design:	Plan #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
16,800.00	91.55	359.78	11,960.10	4,787.72	-961.70	451,940.09	836,091.13	32° 14' 19.907 N	103° 22' 48.064 W	
16,900.00	91.55	359.78	11,957.39	4,887.69	-962.08	452,040.06	836,090.75	32° 14' 20.896 N	103° 22' 48.058 W	
17,000.00	91.55	359.78	11,954.69	4,987.65	-962.46	452,140.02	836,090.37	32° 14' 21.885 N	103° 22' 48.053 W	
17,100.00	91.55	359.78	11,951.98	5,087.61	-962.84	452,239.98	836,089.99	32° 14' 22.874 N	103° 22' 48.047 W	
17,200.00	91.55	359.78	11,949.28	5,187.57	-963.22	452,339.94	836,089.61	32° 14' 23.864 N	103° 22' 48.041 W	
17,300.00	91.55	359.78	11,946.57	5,287.54	-963.60	452,439.91	836,089.23	32° 14' 24.853 N	103° 22' 48.035 W	
17,400.00	91.55	359.78	11,943.87	5,387.50	-963.98	452,539.87	836,088.85	32° 14' 25.842 N	103° 22' 48.029 W	
17,500.00	91.55	359.78	11,941.16	5,487.46	-964.36	452,639.83	836,088.47	32° 14' 26.831 N	103° 22' 48.023 W	
17,600.00	91.55	359.78	11,938.46	5,587.43	-964.75	452,739.79	836,088.09	32° 14' 27.820 N	103° 22' 48.017 W	
17,700.00	91.55	359.78	11,935.75	5,687.39	-965.13	452,839.76	836,087.70	32° 14' 28.809 N	103° 22' 48.011 W	
17,800.00	91.55	359.78	11,933.05	5,787.35	-965.51	452,939.72	836,087.32	32° 14' 29.798 N	103° 22' 48.005 W	
17,900.00	91.55	359.78	11,930.34	5,887.31	-965.89	453,039.68	836,086.94	32° 14' 30.787 N	103° 22' 47.999 W	
18,000.00	91.55	359.78	11,927.64	5,987.28	-966.27	453,139.64	836,086.56	32° 14' 31.777 N	103° 22' 47.994 W	
18,100.00	91.55	359.78	11,924.93	6,087.24	-966.65	453,239.61	836,086.18	32° 14' 32.766 N	103° 22' 47.988 W	
18,200.00	91.55	359.78	11,922.23	6,187.20	-967.03	453,339.57	836,085.80	32° 14' 33.755 N	103° 22' 47.982 W	
18,300.00	91.55	359.78	11,919.52	6,287.16	-967.41	453,439.53	836,085.42	32° 14' 34.744 N	103° 22' 47.976 W	
18,400.00	91.55	359.78	11,916.82	6,387.13	-967.79	453,539.49	836,085.04	32° 14' 35.733 N	103° 22' 47.970 W	
18,500.00	91.55	359.78	11,914.11	6,487.09	-968.17	453,639.46	836,084.66	32° 14' 36.722 N	103° 22' 47.964 W	
18,600.00	91.55	359.78	11,911.41	6,587.05	-968.55	453,739.42	836,084.28	32° 14' 37.711 N	103° 22' 47.958 W	
18,700.00	91.55	359.78	11,908.70	6,687.01	-968.93	453,839.38	836,083.90	32° 14' 38.701 N	103° 22' 47.952 W	
18,800.00	91.55	359.78	11,906.00	6,786.98	-969.32	453,939.34	836,083.52	32° 14' 39.690 N	103° 22' 47.946 W	
18,900.00	91.55	359.78	11,903.29	6,886.94	-969.70	454,039.31	836,083.13	32° 14' 40.679 N	103° 22' 47.940 W	
19,000.00	91.55	359.78	11,900.59	6,986.90	-970.08	454,139.27	836,082.75	32° 14' 41.668 N	103° 22' 47.935 W	
19,100.00	91.55	359.78	11,897.88	7,086.87	-970.46	454,239.23	836,082.37	32° 14' 42.657 N	103° 22' 47.929 W	
19,200.00	91.55	359.78	11,895.18	7,186.83	-970.84	454,339.19	836,081.99	32° 14' 43.646 N	103° 22' 47.923 W	
19,300.00	91.55	359.78	11,892.47	7,286.79	-971.22	454,439.16	836,081.61	32° 14' 44.635 N	103° 22' 47.917 W	
19,400.00	91.55	359.78	11,889.77	7,386.75	-971.60	454,539.12	836,081.23	32° 14' 45.624 N	103° 22' 47.911 W	
19,500.00	91.55	359.78	11,887.06	7,486.72	-971.98	454,639.08	836,080.85	32° 14' 46.614 N	103° 22' 47.905 W	
19,600.00	91.55	359.78	11,884.36	7,586.68	-972.36	454,739.04	836,080.47	32° 14' 47.603 N	103° 22' 47.899 W	
19,700.00	91.55	359.78	11,881.66	7,686.64	-972.74	454,839.01	836,080.09	32° 14' 48.592 N	103° 22' 47.893 W	
19,800.00	91.55	359.78	11,878.95	7,786.60	-973.12	454,938.97	836,079.71	32° 14' 49.581 N	103° 22' 47.887 W	
19,900.00	91.55	359.78	11,876.25	7,886.57	-973.50	455,038.93	836,079.33	32° 14' 50.570 N	103° 22' 47.881 W	
20,000.00	91.55	359.78	11,873.54	7,986.53	-973.89	455,138.89	836,078.94	32° 14' 51.559 N	103° 22' 47.876 W	
20,100.00	91.55	359.78	11,870.84	8,086.49	-974.27	455,238.86	836,078.56	32° 14' 52.548 N	103° 22' 47.870 W	
20,200.00	91.55	359.78	11,868.13	8,186.45	-974.65	455,338.82	836,078.18	32° 14' 53.537 N	103° 22' 47.864 W	
20,300.00	91.55	359.78	11,865.43	8,286.42	-975.03	455,438.78	836,077.80	32° 14' 54.527 N	103° 22' 47.858 W	
20,400.00	91.55	359.78	11,862.72	8,386.38	-975.41	455,538.74	836,077.42	32° 14' 55.516 N	103° 22' 47.852 W	
20,500.00	91.55	359.78	11,860.02	8,486.34	-975.79	455,638.71	836,077.04	32° 14' 56.505 N	103° 22' 47.846 W	
20,600.00	91.55	359.78	11,857.31	8,586.31	-976.17	455,738.67	836,076.66	32° 14' 57.494 N	103° 22' 47.840 W	
20,700.00	91.55	359.78	11,854.61	8,686.27	-976.55	455,838.63	836,076.28	32° 14' 58.483 N	103° 22' 47.834 W	
20,800.00	91.55	359.78	11,851.90	8,786.23	-976.93	455,938.59	836,075.90	32° 14' 59.472 N	103° 22' 47.828 W	
20,900.00	91.55	359.78	11,849.20	8,886.19	-977.31	456,038.56	836,075.52	32° 15' 0.461 N	103° 22' 47.822 W	
21,000.00	91.55	359.78	11,846.49	8,986.16	-977.69	456,138.52	836,075.14	32° 15' 1.450 N	103° 22' 47.817 W	
21,100.00	91.55	359.78	11,843.79	9,086.12	-978.08	456,238.48	836,074.76	32° 15' 2.440 N	103° 22' 47.811 W	
21,200.00	91.55	359.78	11,841.08	9,186.08	-978.46	456,338.44	836,074.37	32° 15' 3.429 N	103° 22' 47.805 W	
21,300.00	91.55	359.78	11,838.38	9,286.04	-978.84	456,438.41	836,073.99	32° 15' 4.418 N	103° 22' 47.799 W	
21,400.00	91.55	359.78	11,835.67	9,386.01	-979.22	456,538.37	836,073.61	32° 15' 5.407 N	103° 22' 47.793 W	
21,500.00	91.55	359.78	11,832.97	9,485.97	-979.60	456,638.33	836,073.23	32° 15' 6.396 N	103° 22' 47.787 W	
21,600.00	91.55	359.78	11,830.26	9,585.93	-979.98	456,738.29	836,072.85	32° 15' 7.385 N	103° 22' 47.781 W	
21,700.00	91.55	359.78	11,827.56	9,685.90	-980.36	456,838.26	836,072.47	32° 15' 8.374 N	103° 22' 47.775 W	
21,800.00	91.55	359.78	11,824.85	9,785.86	-980.74	456,938.22	836,072.09	32° 15' 9.363 N	103° 22' 47.769 W	
21,900.00	91.55	359.78	11,822.15	9,885.82	-981.12	457,038.18	836,071.71	32° 15' 10.353 N	103° 22' 47.763 W	
22,000.00	91.55	359.78	11,819.44	9,985.78	-981.50	457,138.14	836,071.33	32° 15' 11.342 N	103° 22' 47.758 W	



Planning Report - Geographic

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Georgetown FED COM 701H
Company:	Franklin Mountain Energy	TVD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Project:	Georgetown - Ouray Site	MD Reference:	GL 3392' + 21' RKB @ 3413.00ft (TBD)
Site:	Lea County NM	North Reference:	Grid
Well:	Georgetown FED COM 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral Profile 701H		
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
22,096.91	91.55	359.78	11,816.82	10,082.66	-981.87	457,235.02	836,070.96	32° 15' 12.300 N	103° 22' 47.752 W
TD at 22096.92 - 701H BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
701H BHL	0.00	0.07	11,816.82	10,082.66	-981.87	457,235.02	836,070.96	32° 15' 12.300 N	103° 22' 47.752 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)		-1.55	359.79
968.00	968.00	Rustler		-1.55	359.79
1,065.00	1,065.00	Salado		-1.55	359.79
3,962.60	3,957.79	Base Salt		-1.55	359.79
5,303.78	5,288.06	Lamar		-1.55	359.79
5,408.65	5,392.08	Bell Canyon		-1.55	359.79
6,322.27	6,298.26	Cherry Canyon		-1.55	359.79
7,675.55	7,640.53	Brushy Canyon		-1.55	359.79
8,995.55	8,949.80	Bone Spring Lime		-1.55	359.79
9,021.77	8,975.80	Avalon		-1.55	359.79
10,121.94	10,067.02	First Bone Spring Sand		-1.55	359.79
10,291.35	10,235.05	Second Bone Spring Carbonates		-1.55	359.79
10,701.03	10,642.13	Second Bone Spring Sand		-1.55	359.79
11,225.55	11,166.15	Third Bone Spring Carbonates		-1.55	359.79
11,667.86	11,607.90	Third Bone Spring Sand		-1.55	359.79
12,093.89	11,961.97	Wolfcamp		-1.55	359.79
12,141.35	11,988.92	Wolfcamp A		-1.55	359.79

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
1,500.00	1,500.00	0.00	0.00	Start Build 1.00
1,700.00	1,699.96	-3.49	0.00	Start 1300.00 hold at 1700.00 MD
3,000.00	2,999.17	-48.86	0.00	Start DLS 1.00 TFO 101.91
3,746.12	3,743.07	-64.82	-47.47	Start 6681.91 hold at 3746.12 MD
10,428.02	10,370.62	-117.13	-896.47	Start Drop -1.00
11,159.39	11,100.00	-120.00	-943.00	Start 404.23 hold at 11159.39 MD
11,563.62	11,504.23	-120.00	-943.00	Start Build 10.00
12,479.12	12,076.97	468.45	-945.24	Start 9617.80 hold at 12479.12 MD
22,096.91	11,816.82	10,082.66	-981.87	TD at 22096.92