

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-47890	² Pool Code 98187	³ Pool Name WC-025 G-09 S253502D; UPR WOLFCAMP
⁴ Property Code 329760	⁵ Property Name BEAUTY QUEEN FED COM	⁶ Well Number 705H
⁷ OGRID No. 373910	⁸ Operator Name FRANKLIN MOUNTAIN ENERGY LLC	⁹ Elevation 3259.1'

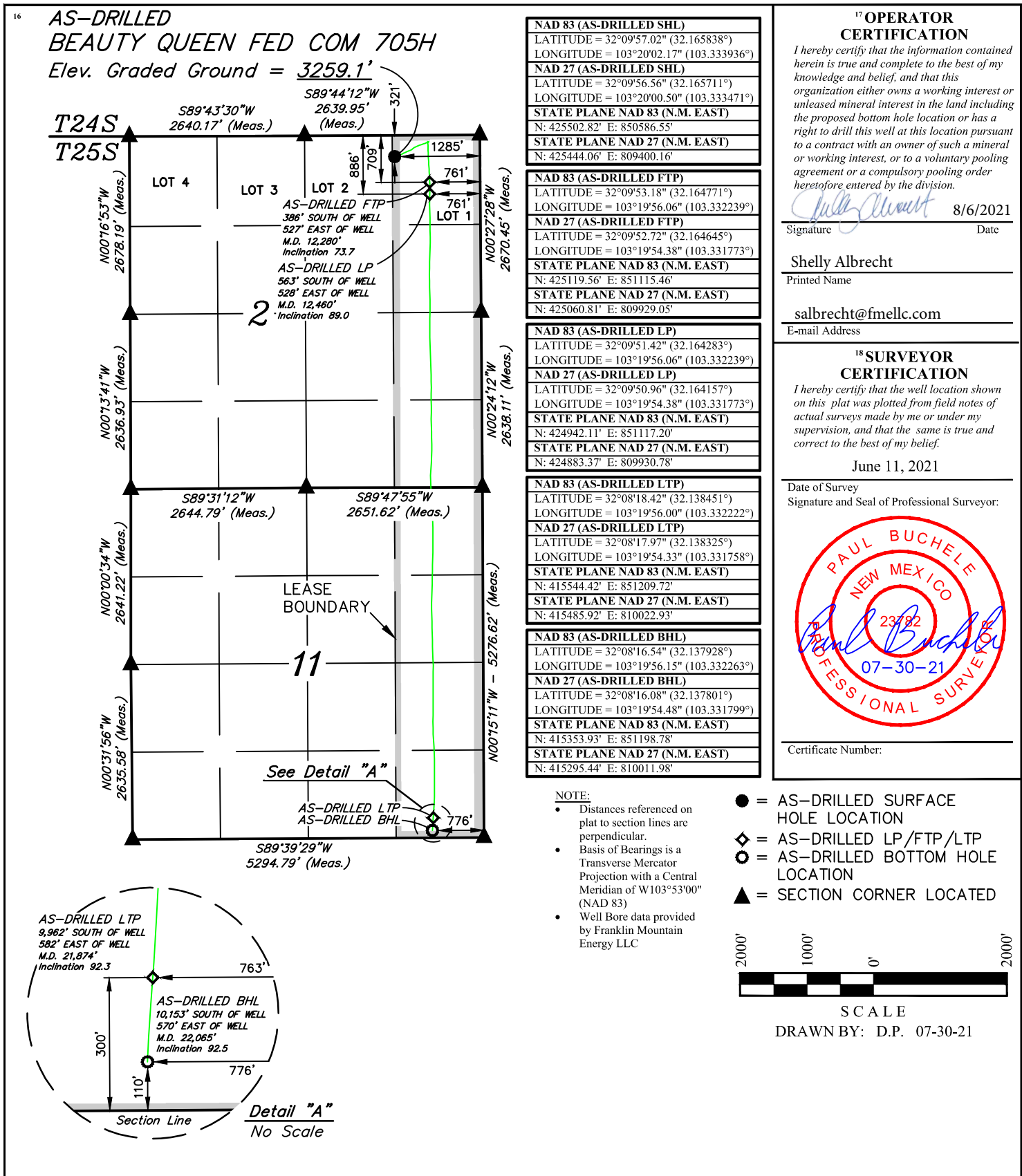
¹⁰Surface Location

UL or lot no. 1	Section 2	Township 25S	Range 35E	Lot Idn	Feet from the 321	North/South line NORTH	Feet from the 1285	East/West line EAST	County LEA
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. P	Section 11	Township 25S	Range 35E	Lot Idn	Feet from the 110	North/South line SOUTH	Feet from the 776	East/West line EAST	County LEA
¹² Dedicated Acres 320.81		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



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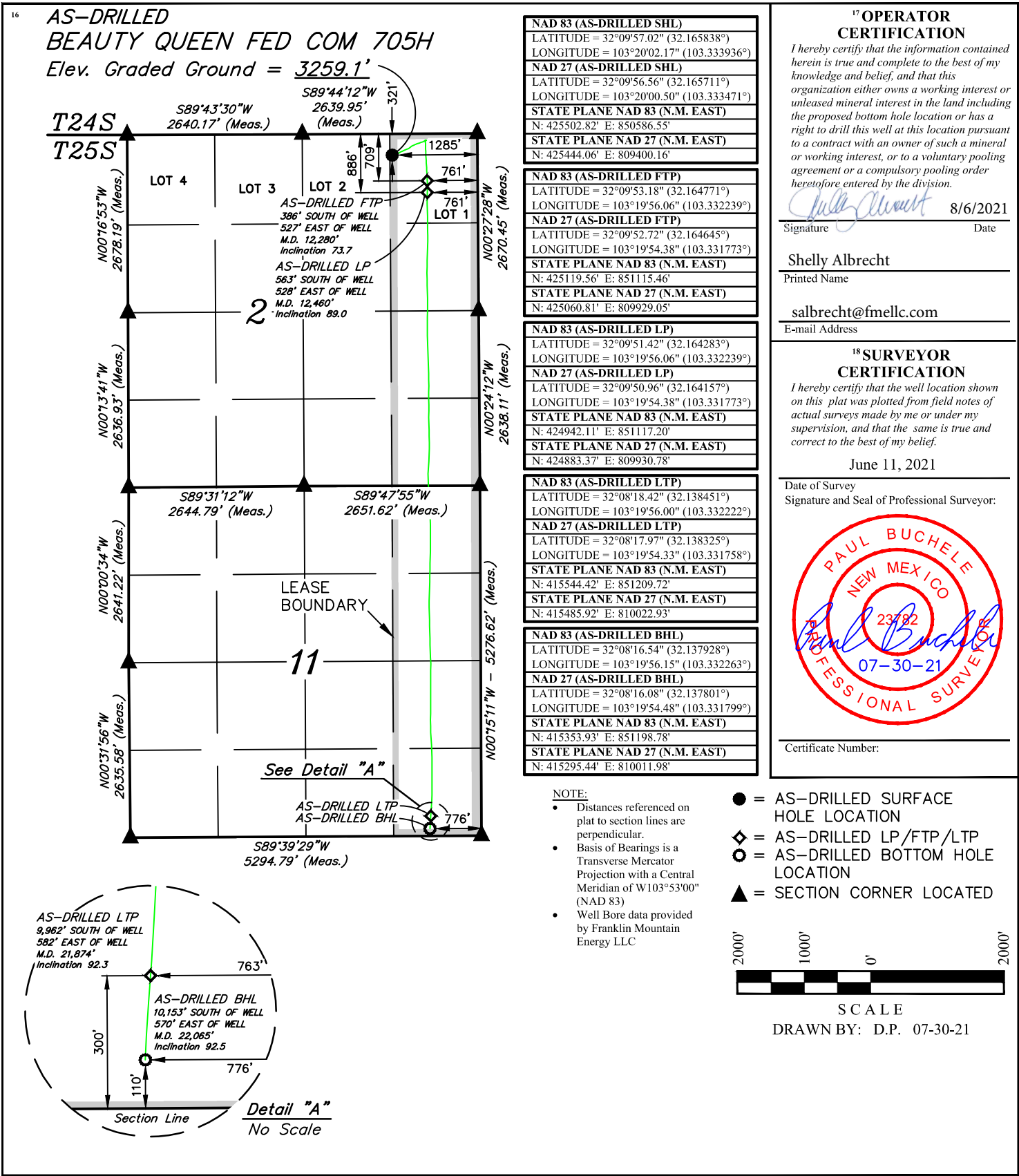
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	2	25S	35E		321	NORTH	1285	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	11	25S	35E		110	SOUTH	776	EAST	LEA
¹² Dedicated Acres 320.81	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





Franklin Mountain Energy

Lea County, NM (NAD83)
Parade State/Beauty Queen
Beauty Queen Fed Com 705H

OH

Design: OH

Standard Survey Report

17 May, 2021





Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Parade State/Beauty Queen			
Site Position:		Northing:	425,502.20 usft	Latitude:	32.165838
From:	Map	Easting:	850,516.61 usft	Longitude:	-103.334163
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.53 °

Well	Beauty Queen Fed Com 705H					
Well Position	+N/-S	0.00 usft	Northing:	425,502.83 usft	Latitude:	32.165838
	+E/-W	0.00 usft	Easting:	850,586.60 usft	Longitude:	-103.333937
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,258.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/10/2021	6.46	59.89	47,512.30783359

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.42	

Survey Program	Date	5/17/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
62.00	1,239.00	Survey #1 - MWD (OH)	MWD	OWSG MWD - Standard	
1,426.00	22,011.00	Survey #2 - MWD (OH)	OWSG (Rev2) MWD	OWSG MWD - Standard	
22,065.00	22,065.00	Survey #3 - Proj to TD (OH)	BLIND	OWSG BLIND	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SHL (Beauty Queen Fed Com 705H)										
62.00	0.40	47.48	62.00	0.15	0.16	-0.14	0.65	0.65	0.00	
125.00	0.80	76.48	125.00	0.40	0.75	-0.39	0.78	0.63	46.03	
211.00	0.50	63.48	210.99	0.71	1.67	-0.69	0.39	-0.35	-15.12	
306.00	0.50	247.48	305.99	0.73	1.66	-0.72	1.05	0.00	-185.26	
400.00	0.20	291.48	399.99	0.63	1.13	-0.62	0.41	-0.32	46.81	
495.00	0.10	293.48	494.99	0.73	0.89	-0.72	0.11	-0.11	2.11	
558.00	0.70	267.48	557.99	0.73	0.46	-0.73	0.97	0.95	-41.27	



Total Directional Services

Survey Report



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Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
652.00	0.60	248.48	651.98	0.53	-0.57	-0.53	0.25	-0.11	-20.21
746.00	0.80	261.48	745.97	0.25	-1.68	-0.27	0.27	0.21	13.83
777.00	1.30	273.48	776.97	0.24	-2.24	-0.26	1.75	1.61	38.71
840.00	1.40	259.48	839.95	0.14	-3.71	-0.18	0.55	0.16	-22.22
872.00	1.20	271.48	871.94	0.08	-4.43	-0.12	1.05	-0.63	37.50
935.00	1.40	272.48	934.93	0.13	-5.86	-0.19	0.32	0.32	1.59
966.00	1.40	253.48	965.92	0.04	-6.60	-0.11	1.49	0.00	-61.29
1,061.00	0.50	270.48	1,060.90	-0.29	-8.13	0.21	0.98	-0.95	17.89
1,155.00	0.90	143.48	1,154.90	-0.88	-8.10	0.80	1.35	0.43	-135.11
1,239.00	1.00	134.48	1,238.89	-1.92	-7.18	1.85	0.21	0.12	-10.71
1,426.00	1.76	163.78	1,425.83	-5.82	-5.22	5.77	0.54	0.41	15.67
1,521.00	1.67	173.63	1,520.79	-8.60	-4.66	8.55	0.32	-0.09	10.37
1,615.00	0.79	124.14	1,614.77	-10.32	-3.97	10.28	1.39	-0.94	-52.65
1,709.00	0.84	88.20	1,708.76	-10.67	-2.74	10.64	0.54	0.05	-38.23
1,803.00	0.66	83.89	1,802.75	-10.59	-1.52	10.57	0.20	-0.19	-4.59
1,898.00	0.57	70.71	1,897.75	-10.37	-0.53	10.37	0.18	-0.09	-13.87
1,992.00	0.75	65.78	1,991.74	-9.97	0.48	9.97	0.20	0.19	-5.24
2,087.00	0.70	58.58	2,086.73	-9.41	1.54	9.42	0.11	-0.05	-7.58
2,181.00	0.75	54.80	2,180.73	-8.75	2.53	8.78	0.07	0.05	-4.02
2,276.00	0.79	53.30	2,275.72	-8.00	3.56	8.04	0.05	0.04	-1.58
2,370.00	0.88	55.50	2,369.71	-7.21	4.68	7.26	0.10	0.10	2.34
2,464.00	1.01	48.21	2,463.70	-6.25	5.89	6.31	0.19	0.14	-7.76
2,558.00	1.67	53.92	2,557.67	-4.89	7.62	4.97	0.72	0.70	6.07
2,653.00	3.78	61.39	2,652.56	-2.57	11.48	2.69	2.25	2.22	7.86
2,747.00	5.41	65.26	2,746.25	0.77	18.23	-0.58	1.76	1.73	4.12
2,841.00	5.45	65.70	2,839.83	4.46	26.32	-4.19	0.06	0.04	0.47
2,936.00	5.58	66.57	2,934.39	8.15	34.67	-7.80	0.16	0.14	0.92
3,030.00	6.02	70.18	3,027.91	11.64	43.50	-11.20	0.61	0.47	3.84
3,125.00	6.24	71.85	3,122.37	14.94	53.09	-14.40	0.30	0.23	1.76
3,219.00	6.81	68.51	3,215.76	18.57	63.13	-17.93	0.73	0.61	-3.55
3,313.00	7.43	69.30	3,309.03	22.76	74.01	-22.01	0.67	0.66	0.84
3,407.00	7.96	73.43	3,402.19	26.76	85.93	-25.89	0.81	0.56	4.39
3,501.00	7.52	67.28	3,495.33	31.00	97.84	-30.00	1.00	-0.47	-6.54
3,596.00	7.03	58.22	3,589.57	36.46	108.52	-35.36	1.31	-0.52	-9.54
3,690.00	6.51	57.26	3,682.91	42.37	117.89	-41.17	0.57	-0.55	-1.02
3,785.00	6.29	61.74	3,777.32	47.75	127.00	-46.46	0.57	-0.23	4.72
3,879.00	6.95	63.32	3,870.69	52.74	136.62	-51.35	0.73	0.70	1.68
3,973.00	8.88	66.31	3,963.80	58.21	148.35	-56.70	2.10	2.05	3.18
4,068.00	9.63	67.28	4,057.56	64.22	162.39	-62.57	0.81	0.79	1.02
4,162.00	8.97	63.67	4,150.32	70.51	176.21	-68.72	0.94	-0.70	-3.84
4,256.00	8.00	66.05	4,243.29	76.41	188.76	-74.50	1.10	-1.03	2.53
4,351.00	7.56	68.07	4,337.42	81.43	200.60	-79.40	0.55	-0.46	2.13
4,445.00	6.86	68.16	4,430.67	85.83	211.54	-83.68	0.74	-0.74	0.10



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,539.00	7.03	69.39	4,523.98	89.94	222.14	-87.69	0.24	0.18	1.31	
4,634.00	6.90	70.71	4,618.28	93.88	232.97	-91.51	0.22	-0.14	1.39	
4,728.00	6.77	61.21	4,711.62	98.41	243.15	-95.94	1.21	-0.14	-10.11	
4,822.00	7.25	51.72	4,804.92	104.75	252.67	-102.19	1.33	0.51	-10.10	
4,917.00	6.73	52.16	4,899.21	111.88	261.77	-109.22	0.55	-0.55	0.46	
5,011.00	6.46	51.81	4,992.59	118.53	270.27	-115.79	0.29	-0.29	-0.37	
5,113.00	6.20	50.84	5,093.97	125.55	279.05	-122.72	0.28	-0.25	-0.95	
5,197.00	6.59	50.67	5,177.45	131.47	286.30	-128.57	0.46	0.46	-0.20	
5,292.00	7.51	61.30	5,271.73	137.91	295.96	-134.91	1.68	0.97	11.19	
5,386.00	8.17	65.96	5,364.85	143.58	307.45	-140.46	0.97	0.70	4.96	
5,481.00	8.26	65.87	5,458.88	149.12	319.84	-145.88	0.10	0.09	-0.09	
5,575.00	8.04	65.78	5,551.93	154.58	332.00	-151.21	0.23	-0.23	-0.10	
5,669.00	8.09	65.61	5,645.00	160.01	344.02	-156.52	0.06	0.05	-0.18	
5,764.00	8.04	65.78	5,739.06	165.49	356.17	-161.88	0.06	-0.05	0.18	
5,859.00	7.60	69.47	5,833.18	170.42	368.11	-166.69	0.70	-0.46	3.88	
5,953.00	7.60	71.23	5,926.35	174.60	379.81	-170.75	0.25	0.00	1.87	
6,047.00	7.16	71.06	6,019.57	178.50	391.24	-174.53	0.47	-0.47	-0.18	
6,141.00	7.34	70.71	6,112.82	182.39	402.45	-178.30	0.20	0.19	-0.37	
6,236.00	7.47	70.79	6,207.03	186.42	414.01	-182.22	0.14	0.14	0.08	
6,330.00	7.43	71.14	6,300.23	190.40	425.53	-186.08	0.06	-0.04	0.37	
6,424.00	7.51	71.14	6,393.44	194.35	437.09	-189.92	0.09	0.09	0.00	
6,519.00	7.60	69.39	6,487.61	198.57	448.85	-194.01	0.26	0.09	-1.84	
6,613.00	7.69	68.16	6,580.78	203.10	460.51	-198.42	0.20	0.10	-1.31	
6,707.00	6.11	68.07	6,674.09	207.30	470.98	-202.53	1.68	-1.68	-0.10	
6,802.00	3.74	69.12	6,768.73	210.30	478.57	-205.44	2.50	-2.49	1.11	
6,896.00	2.81	76.24	6,862.58	211.94	483.67	-207.03	1.08	-0.99	7.57	
6,990.00	2.59	78.26	6,956.48	212.92	487.99	-207.97	0.25	-0.23	2.15	
7,085.00	2.55	73.78	7,051.38	213.95	492.12	-208.95	0.22	-0.04	-4.72	
7,179.00	2.42	74.57	7,145.29	215.06	496.04	-210.02	0.14	-0.14	0.84	
7,274.00	2.46	72.81	7,240.21	216.19	499.92	-211.12	0.09	0.04	-1.85	
7,368.00	1.32	47.15	7,334.15	217.53	502.64	-212.43	1.48	-1.21	-27.30	
7,462.00	1.01	359.95	7,428.14	219.09	503.44	-213.98	1.04	-0.33	-50.21	
7,557.00	0.88	8.30	7,523.12	220.65	503.54	-215.54	0.20	-0.14	8.79	
7,651.00	0.97	28.96	7,617.11	222.06	504.03	-216.95	0.37	0.10	21.98	
7,746.00	0.92	35.20	7,712.10	223.39	504.86	-218.27	0.12	-0.05	6.57	
7,840.00	1.19	38.27	7,806.08	224.77	505.90	-219.64	0.29	0.29	3.27	
7,933.00	0.18	98.30	7,899.08	225.51	506.64	-220.37	1.19	-1.09	64.55	
8,028.00	0.62	210.01	7,994.07	225.04	506.53	-219.90	0.74	0.46	117.59	
8,123.00	0.26	195.86	8,089.07	224.39	506.22	-219.25	0.39	-0.38	-14.89	
8,216.00	0.18	243.76	8,182.07	224.12	506.03	-218.99	0.21	-0.09	51.51	
8,311.00	0.18	284.98	8,277.07	224.09	505.75	-218.96	0.13	0.00	43.39	
8,405.00	0.18	67.89	8,371.07	224.19	505.75	-219.06	0.36	0.00	152.03	
8,499.00	0.31	63.23	8,465.07	224.36	506.11	-219.22	0.14	0.14	-4.96	
8,594.00	0.31	62.62	8,560.07	224.59	506.57	-219.45	0.00	0.00	-0.64	



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,689.00	0.35	88.64	8,655.07	224.72	507.08	-219.57	0.16	0.04	27.39
8,783.00	0.31	82.22	8,749.07	224.76	507.62	-219.61	0.06	-0.04	-6.83
8,877.00	0.26	98.65	8,843.06	224.76	508.09	-219.61	0.10	-0.05	17.48
8,971.00	0.40	130.29	8,937.06	224.52	508.55	-219.36	0.24	0.15	33.66
9,066.00	0.26	169.23	9,032.06	224.09	508.84	-218.93	0.27	-0.15	40.99
9,160.00	0.26	204.83	9,126.06	223.69	508.79	-218.52	0.17	0.00	37.87
9,255.00	0.92	239.28	9,221.05	223.10	508.05	-217.95	0.76	0.69	36.26
9,349.00	1.45	253.34	9,315.03	222.37	506.26	-217.24	0.64	0.56	14.96
9,443.00	0.75	355.82	9,409.02	222.65	505.07	-217.52	1.88	-0.74	109.02
9,538.00	0.75	19.99	9,504.01	223.85	505.24	-218.73	0.33	0.00	25.44
9,632.00	1.19	295.62	9,598.01	224.85	504.57	-219.73	1.43	0.47	-89.76
9,726.00	1.19	300.80	9,691.98	225.77	502.85	-220.67	0.11	0.00	5.51
9,821.00	1.45	297.64	9,786.96	226.84	500.94	-221.75	0.28	0.27	-3.33
9,915.00	1.93	282.35	9,880.92	227.73	498.34	-222.67	0.70	0.51	-16.27
10,009.00	0.79	250.00	9,974.89	227.84	496.18	-222.81	1.42	-1.21	-34.41
10,103.00	0.88	138.29	10,068.89	227.08	496.06	-222.05	1.47	0.10	-118.84
10,197.00	1.01	116.06	10,162.87	226.18	497.28	-221.13	0.41	0.14	-23.65
10,292.00	1.01	134.51	10,257.86	225.23	498.63	-220.17	0.34	0.00	19.42
10,386.00	1.23	165.54	10,351.84	223.67	499.47	-218.60	0.68	0.23	33.01
10,480.00	0.53	152.53	10,445.83	222.31	499.92	-217.23	0.77	-0.74	-13.84
10,574.00	0.70	171.25	10,539.83	221.35	500.21	-216.28	0.28	0.18	19.91
10,669.00	0.92	220.29	10,634.82	220.20	499.81	-215.13	0.74	0.23	51.62
10,763.00	0.70	35.11	10,728.81	220.09	499.65	-215.02	1.72	-0.23	185.98
10,857.00	1.05	29.66	10,822.80	221.31	500.41	-216.23	0.38	0.37	-5.80
10,952.00	0.79	15.42	10,917.79	222.70	501.01	-217.61	0.36	-0.27	-14.99
11,046.00	0.09	262.92	11,011.79	223.31	501.11	-218.23	0.88	-0.74	-119.68
11,140.00	0.66	214.14	11,105.79	222.85	500.73	-217.77	0.64	0.61	-51.89
11,234.00	1.58	225.66	11,199.77	221.50	499.50	-216.43	1.00	0.98	12.26
11,310.00	3.60	197.01	11,275.69	218.49	498.05	-213.43	3.08	2.66	-37.69
KOP									
11,325.00	4.04	194.89	11,290.65	217.53	497.78	-212.48	3.08	2.93	-14.15
11,372.00	7.73	177.05	11,337.40	212.77	497.52	-207.72	8.67	7.85	-37.96
11,420.00	11.95	170.90	11,384.69	204.63	498.47	-199.58	9.05	8.79	-12.81
11,467.00	17.01	174.42	11,430.18	192.98	499.91	-187.91	10.92	10.77	7.49
11,514.00	19.60	178.55	11,474.80	178.25	500.78	-173.17	6.16	5.51	8.79
11,561.00	23.29	181.62	11,518.54	161.08	500.71	-156.00	8.20	7.85	6.53
11,609.00	26.85	180.22	11,562.01	140.75	500.40	-135.67	7.52	7.42	-2.92
11,656.00	31.16	177.23	11,603.11	117.97	500.95	-112.90	9.67	9.17	-6.36
11,703.00	36.52	176.35	11,642.13	91.85	502.43	-86.76	11.45	11.40	-1.87
11,750.00	40.30	176.79	11,678.95	62.71	504.17	-57.60	8.06	8.04	0.94
11,797.00	43.07	177.05	11,714.05	31.50	505.85	-26.38	5.91	5.89	0.55
11,844.00	47.07	177.49	11,747.24	-1.73	507.43	6.87	8.54	8.51	0.94
11,892.00	51.50	176.88	11,778.54	-38.06	509.22	43.21	9.28	9.23	-1.27



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,939.00	56.12	176.17	11,806.28	-75.91	511.53	81.08	9.90	9.83	-1.51
11,986.00	59.81	175.65	11,831.21	-115.64	514.37	120.84	7.91	7.85	-1.11
12,065.00	65.21	177.05	11,867.66	-185.55	518.81	190.80	7.01	6.84	1.77
12,112.00	64.64	176.70	11,887.58	-228.06	521.13	233.32	1.39	-1.21	-0.74
12,159.00	64.38	176.61	11,907.81	-270.41	523.61	275.70	0.58	-0.55	-0.19
12,206.00	67.94	176.97	11,926.80	-313.33	526.01	318.64	7.61	7.57	0.77
12,254.00	71.85	177.67	11,943.30	-358.35	528.12	363.67	8.26	8.15	1.46
12,301.00	75.19	178.64	11,956.63	-403.38	529.56	408.72	7.38	7.11	2.06
12,348.00	79.85	178.64	11,966.79	-449.25	530.65	454.60	9.91	9.91	0.00
12,395.00	84.77	179.87	11,973.07	-495.81	531.26	501.16	10.78	10.47	2.62
12,432.00	87.68	180.54	11,975.51	-532.72	531.12	538.07	8.08	7.87	1.81
LP									
12,443.00	88.55	180.74	11,975.87	-543.72	531.00	549.06	8.08	7.88	1.81
12,460.12	88.95	180.90	11,976.24	-560.83	530.75	566.17	2.53	2.36	0.93
LP (Beauty Queen Fed Com 705H)									
12,538.00	90.79	181.62	11,976.42	-638.69	529.04	644.01	2.53	2.36	0.93
12,632.00	88.42	178.20	11,977.06	-732.66	529.19	737.98	4.43	-2.52	-3.64
12,727.00	86.66	177.76	11,981.14	-827.51	532.54	832.86	1.91	-1.85	-0.46
12,822.00	90.00	179.51	11,983.91	-922.43	534.80	927.80	3.97	3.52	1.84
12,917.00	91.36	178.72	11,982.78	-1,017.41	536.26	1,022.78	1.66	1.43	-0.83
13,011.00	90.88	178.37	11,980.95	-1,111.36	538.65	1,116.75	0.63	-0.51	-0.37
13,106.00	90.44	178.72	11,979.85	-1,206.32	541.06	1,211.74	0.59	-0.46	0.37
13,201.00	91.67	181.10	11,978.10	-1,301.30	541.21	1,306.71	2.82	1.29	2.51
13,296.00	91.19	181.10	11,975.73	-1,396.25	539.39	1,401.64	0.51	-0.51	0.00
13,391.00	93.21	182.24	11,972.08	-1,491.13	536.62	1,496.49	2.44	2.13	1.20
13,485.00	94.75	181.89	11,965.56	-1,584.84	533.24	1,590.16	1.68	1.64	-0.37
13,580.00	92.50	180.39	11,959.55	-1,679.62	531.36	1,684.92	2.84	-2.37	-1.58
13,675.00	91.49	179.51	11,956.25	-1,774.56	531.44	1,779.85	1.41	-1.06	-0.93
13,769.00	90.18	178.63	11,954.88	-1,868.54	532.97	1,873.84	1.68	-1.39	-0.94
13,864.00	89.56	178.63	11,955.09	-1,963.51	535.24	1,968.83	0.65	-0.65	0.00
13,959.00	87.19	176.61	11,957.79	-2,058.38	539.18	2,063.73	3.28	-2.49	-2.13
14,054.00	90.53	179.34	11,959.68	-2,153.28	542.53	2,158.66	4.54	3.52	2.87
14,149.00	90.04	180.04	11,959.20	-2,248.28	543.05	2,253.66	0.90	-0.52	0.74
14,243.00	90.88	181.27	11,958.45	-2,342.26	541.97	2,347.63	1.58	0.89	1.31
14,338.00	91.05	181.54	11,956.85	-2,437.22	539.65	2,442.56	0.34	0.18	0.28
14,433.00	88.02	180.04	11,957.62	-2,532.20	538.34	2,537.52	3.56	-3.19	-1.58
14,528.00	86.26	178.90	11,962.36	-2,627.07	539.21	2,632.39	2.21	-1.85	-1.20
14,622.00	84.99	178.55	11,969.53	-2,720.77	541.30	2,726.11	1.40	-1.35	-0.37
14,717.00	85.34	177.84	11,977.54	-2,815.38	544.28	2,820.75	0.83	0.37	-0.75
14,811.00	87.23	178.20	11,983.63	-2,909.13	547.52	2,914.52	2.05	2.01	0.38
14,906.00	86.97	176.61	11,988.44	-3,003.90	551.82	3,009.34	1.69	-0.27	-1.67
15,001.00	88.68	177.14	11,992.04	-3,098.69	556.99	3,104.17	1.88	1.80	0.56
15,095.00	92.29	179.16	11,991.24	-3,192.62	560.02	3,198.12	4.40	3.84	2.15
15,190.00	91.76	178.72	11,987.89	-3,287.54	561.78	3,293.06	0.72	-0.56	-0.46



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,285.00	88.07	177.40	11,988.03	-3,382.47	565.00	3,388.01	4.13	-3.88	-1.39
15,380.00	92.90	180.74	11,987.22	-3,477.41	566.54	3,482.97	6.18	5.08	3.52
15,474.00	90.48	180.48	11,984.45	-3,571.36	565.54	3,576.90	2.59	-2.57	-0.28
15,569.00	88.55	179.51	11,985.26	-3,666.35	565.55	3,671.89	2.27	-2.03	-1.02
15,664.00	91.70	178.90	11,985.05	-3,761.33	566.86	3,766.87	3.38	3.32	-0.64
15,759.00	91.85	180.83	11,982.11	-3,856.28	567.09	3,861.82	2.04	0.16	2.03
15,853.00	90.97	178.81	11,979.79	-3,950.24	567.38	3,955.78	2.34	-0.94	-2.15
15,948.00	91.41	178.72	11,977.82	-4,045.20	569.43	4,050.76	0.47	0.46	-0.09
16,043.00	90.40	178.28	11,976.32	-4,140.15	571.92	4,145.73	1.16	-1.06	-0.46
16,137.00	88.60	177.76	11,977.14	-4,234.09	575.16	4,239.69	1.99	-1.91	-0.55
16,232.00	87.50	178.37	11,980.37	-4,328.98	578.37	4,334.61	1.32	-1.16	0.64
16,326.00	89.56	181.71	11,982.78	-4,422.93	578.30	4,428.56	4.17	2.19	3.55
16,421.00	87.67	182.06	11,985.08	-4,517.84	575.18	4,523.44	2.02	-1.99	0.37
16,515.00	89.03	183.29	11,987.79	-4,611.70	570.79	4,617.24	1.95	1.45	1.31
16,610.00	91.71	184.17	11,987.17	-4,706.49	564.62	4,711.96	2.97	2.82	0.93
16,705.00	88.81	180.83	11,986.74	-4,801.37	560.47	4,806.80	4.66	-3.05	-3.52
16,800.00	87.01	177.14	11,990.21	-4,896.27	562.15	4,901.71	4.32	-1.89	-3.88
16,885.15	86.62	176.83	11,994.94	-4,981.17	566.63	4,986.65	0.59	-0.46	-0.37
S2/11 Crossing									
16,895.00	86.57	176.79	11,995.53	-4,990.99	567.17	4,996.48	0.59	-0.46	-0.37
16,989.00	84.11	175.74	12,003.16	-5,084.47	573.28	5,090.02	2.84	-2.62	-1.12
17,084.00	83.67	176.35	12,013.28	-5,178.71	579.79	5,184.31	0.79	-0.46	0.64
17,170.00	84.29	176.17	12,022.30	-5,264.05	585.37	5,269.71	0.75	0.72	-0.21
17,181.00	84.35	175.65	12,023.38	-5,274.97	586.15	5,280.63	4.74	0.55	-4.73
17,206.00	83.45	175.47	12,026.04	-5,299.75	588.07	5,305.43	3.67	-3.60	-0.72
17,301.00	89.38	178.20	12,031.98	-5,394.37	593.30	5,400.10	6.87	6.24	2.87
17,395.00	92.24	178.63	12,030.65	-5,488.32	595.90	5,494.07	3.08	3.04	0.46
17,489.00	91.58	178.63	12,027.52	-5,582.24	598.14	5,588.00	0.70	-0.70	0.00
17,584.00	91.71	180.13	12,024.79	-5,677.19	599.17	5,682.96	1.58	0.14	1.58
17,679.00	89.91	180.04	12,023.45	-5,772.17	599.03	5,777.94	1.90	-1.89	-0.09
17,773.00	90.79	179.43	12,022.87	-5,866.17	599.47	5,871.94	1.14	0.94	-0.65
17,868.00	90.57	180.30	12,021.75	-5,961.16	599.69	5,966.93	0.94	-0.23	0.92
17,963.00	90.57	181.71	12,020.80	-6,056.14	598.02	6,061.88	1.48	0.00	1.48
18,057.00	90.66	181.54	12,019.79	-6,150.10	595.36	6,155.81	0.20	0.10	-0.18
18,152.00	88.77	180.30	12,020.26	-6,245.08	593.83	6,250.77	2.38	-1.99	-1.31
18,247.00	89.30	180.39	12,021.86	-6,340.06	593.26	6,345.74	0.57	0.56	0.09
18,341.00	90.79	180.13	12,021.79	-6,434.06	592.83	6,439.73	1.61	1.59	-0.28
18,436.00	88.68	181.89	12,022.23	-6,529.03	591.16	6,534.68	2.89	-2.22	1.85
18,530.00	89.08	182.77	12,024.07	-6,622.94	587.34	6,628.54	1.03	0.43	0.94
18,625.00	88.95	180.39	12,025.70	-6,717.88	584.72	6,723.46	2.51	-0.14	-2.51
18,720.00	84.73	178.90	12,030.94	-6,812.71	585.31	6,818.29	4.71	-4.44	-1.57
18,814.00	84.24	178.37	12,039.97	-6,906.25	587.53	6,911.84	0.77	-0.52	-0.56
18,909.00	84.59	178.37	12,049.22	-7,000.76	590.22	7,006.37	0.37	0.37	0.00



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
19,004.00	86.53	179.25	12,056.57	-7,095.45	592.19	7,101.08	2.24	2.04	0.93	
19,098.00	84.55	176.88	12,063.88	-7,189.10	595.35	7,194.76	3.28	-2.11	-2.52	
19,193.00	88.51	179.43	12,069.63	-7,283.85	598.40	7,289.53	4.95	4.17	2.68	
19,288.00	86.09	178.81	12,074.11	-7,378.72	599.86	7,384.42	2.63	-2.55	-0.65	
19,382.00	86.26	177.40	12,080.38	-7,472.46	602.96	7,478.18	1.51	0.18	-1.50	
19,477.00	85.96	175.12	12,086.82	-7,567.03	609.14	7,572.81	2.42	-0.32	-2.40	
19,572.00	87.45	180.13	12,092.29	-7,661.76	613.06	7,667.58	5.49	1.57	5.27	
19,667.00	88.73	180.48	12,095.45	-7,756.71	612.56	7,762.51	1.40	1.35	0.37	
19,761.00	90.57	181.10	12,096.03	-7,850.69	611.26	7,856.48	2.07	1.96	0.66	
19,856.00	86.97	178.11	12,098.07	-7,945.64	611.92	7,951.43	4.93	-3.79	-3.15	
19,951.00	86.04	180.83	12,103.86	-8,040.45	612.79	8,046.24	3.02	-0.98	2.86	
20,044.00	86.26	180.22	12,110.10	-8,133.24	611.94	8,139.01	0.70	0.24	-0.66	
20,139.00	86.13	177.58	12,116.41	-8,228.00	613.76	8,233.79	2.78	-0.14	-2.78	
20,233.00	83.76	181.27	12,124.69	-8,321.61	614.71	8,327.40	4.65	-2.52	3.93	
20,328.00	85.39	180.57	12,133.67	-8,416.16	613.19	8,421.94	1.87	1.72	-0.74	
20,422.00	85.96	179.60	12,140.76	-8,509.90	613.05	8,515.67	1.19	0.61	-1.03	
20,517.00	88.95	179.51	12,144.98	-8,604.79	613.79	8,610.56	3.15	3.15	-0.09	
20,611.00	86.44	176.53	12,148.76	-8,698.64	617.03	8,704.44	4.14	-2.67	-3.17	
20,706.00	87.85	177.05	12,153.49	-8,793.37	622.34	8,799.22	1.58	1.48	0.55	
20,800.00	88.64	175.74	12,156.37	-8,887.14	628.25	8,893.04	1.63	0.84	-1.39	
20,895.00	85.78	177.05	12,161.00	-8,981.82	634.22	8,987.78	3.31	-3.01	1.38	
20,989.00	85.03	179.34	12,168.53	-9,075.47	637.17	9,081.45	2.56	-0.80	2.44	
21,084.00	85.83	180.57	12,176.10	-9,170.16	637.24	9,176.14	1.54	0.84	1.29	
21,178.00	85.52	179.51	12,183.19	-9,263.89	637.18	9,269.87	1.17	-0.33	-1.13	
21,273.00	86.92	179.07	12,189.45	-9,358.68	638.35	9,364.66	1.54	1.47	-0.46	
21,367.00	86.00	179.87	12,195.25	-9,452.49	639.22	9,458.48	1.30	-0.98	0.85	
21,462.00	87.32	180.30	12,200.79	-9,547.33	639.08	9,553.31	1.46	1.39	0.45	
21,557.00	85.87	180.48	12,206.43	-9,642.16	638.44	9,648.12	1.54	-1.53	0.19	
21,651.00	87.01	183.47	12,212.27	-9,735.91	635.20	9,741.84	3.40	1.21	3.18	
21,746.00	87.58	181.89	12,216.75	-9,830.69	630.76	9,836.57	1.77	0.60	-1.66	
21,840.00	92.02	184.35	12,217.08	-9,924.52	625.65	9,930.35	5.40	4.72	2.62	
21,935.00	92.77	184.00	12,213.11	-10,019.19	618.74	10,024.94	0.87	0.79	-0.37	
22,011.00	92.50	182.41	12,209.62	-10,094.99	614.50	10,100.69	2.12	-0.36	-2.09	
PBHL (Beauty Queen Fed Com 705H)										
22,065.00	92.50	182.41	12,207.26	-10,148.89	612.23	10,154.56	0.00	0.00	0.00	
BHL										



Total Directional Services

Survey Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Beauty Queen Fed Com 705H
Project:	Lea County, NM (NAD83)	TVD Reference:	3258' GE + 30' KB @ 3288.00usft
Site:	Parade State/Beauty Queen	MD Reference:	3258' GE + 30' KB @ 3288.00usft
Well:	Beauty Queen Fed Com 705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,310.00	11,275.69	218.49	498.05	KOP
12,432.00	11,975.51	-532.72	531.12	LP
16,885.15	11,994.94	-4,981.17	566.63	S2/11 Crossing
22,065.00	12,207.26	-10,148.89	612.23	BHL

Checked By: _____ Approved By: _____ Date: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 40453

ACKNOWLEDGMENTS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 40453
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 40453

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 40453
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 expires 10/07/2021; submit all drilling, casing, and completion sundries/reports.	9/7/2021