

Well Name: EL PASO FED COM	Well Location: T25S / R35E / SEC 1 / LOT 1 / 32.16599 / -103.314821	County or Parish/State: LEA / NM
Well Number: 604H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM132081	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548913	Well Status: Drilling Well	Operator: FRANKLIN MOUNTAIN ENERGY LLC

Subsequent Report

Sundry ID: 2685166

Type of Submission: Subsequent Report

Type of Action: Drilling Operations

Date Sundry Submitted: 08/22/2022

Time Sundry Submitted: 10:47

Date Operation Actually Began: 07/21/2022

Actual Procedure: Franklin Mountain Energy, LLC (FME), Operator, respectfully submits the attached WBD and PVA report for BLM record in preparation for plug and sidetrack operations. Summary of Operations to date: Production hole was drilled to 16,872', where we parted a 6 3/4" PDC bit on 7/20. Failed open hole sidetrack attempts ensued at 16,640', 16,182'. We then set a whipstock at 16,550'. Sidetrack failed as whipstock did not latch and was pushed to bottom. We then set a whipstock at 16,120'. Sidetrack failed as mill became hung in the whipstock assembly. NOI for plug and sidetrack approval will be submitted on separate sundries.

SR Attachments

PActual Procedure

EL_PASO_FED_COM_604H_20220822104723.pdf

Well Name: EL PASO FED COM	Well Location: T25S / R35E / SEC 1 / LOT 1 / 32.16599 / -103.314821	County or Parish/State: LEA / NM
Well Number: 604H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM132081	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548913	Well Status: Drilling Well	Operator: FRANKLIN MOUNTAIN ENERGY LLC

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

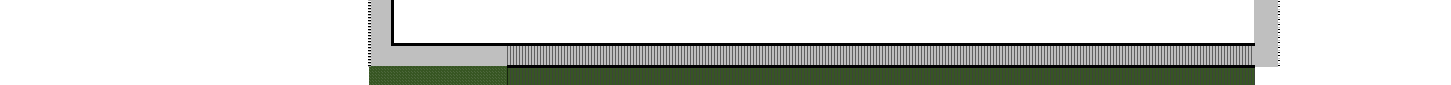
Operator Electronic Signature: RACHAEL OVERBEY	Signed on: AUG 22, 2022 10:47 AM
Name: FRANKLIN MOUNTAIN ENERGY LLC	
Title: Director – Operations Planning and Regulatory	
Street Address: 2401 E 2nd Avenue, Suite 300	
City: Denver	State: CO
Phone: (720) 414-7868	
Email address: roverbey@fme LLC.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 08/24/2022
Signature: Jonathon Shepard	





CATHEDRAL

Project: LEA COUNTY, NM (NAD 83)
 Site: SEC 1, T25S, R35E
 Well: EL PASO FED COM 604H
 Wellbore: ORIGINAL HOLE
 ACTUAL

WELL DETAILS: EL PASO FED COM 604H

25' KB @ 3359.10usft (H&P 602)
 Ground Level: 3334.10
 Gravity: 0.99849

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	425613.46	856501.19	32° 9' 57.563 N	103° 18' 53.357 W
US State Plane 1983 New Mexico Eastern Zone					



Total Azimuth to Grid North
 True North: -0.54°
 Magnetic North: 5.79°

Magnetic Field
 Strength: 47494.8nT
 Dip Angle: 59.69°
 Date: 7/11/2022
 Model: HRGM

SECTION DETAILS

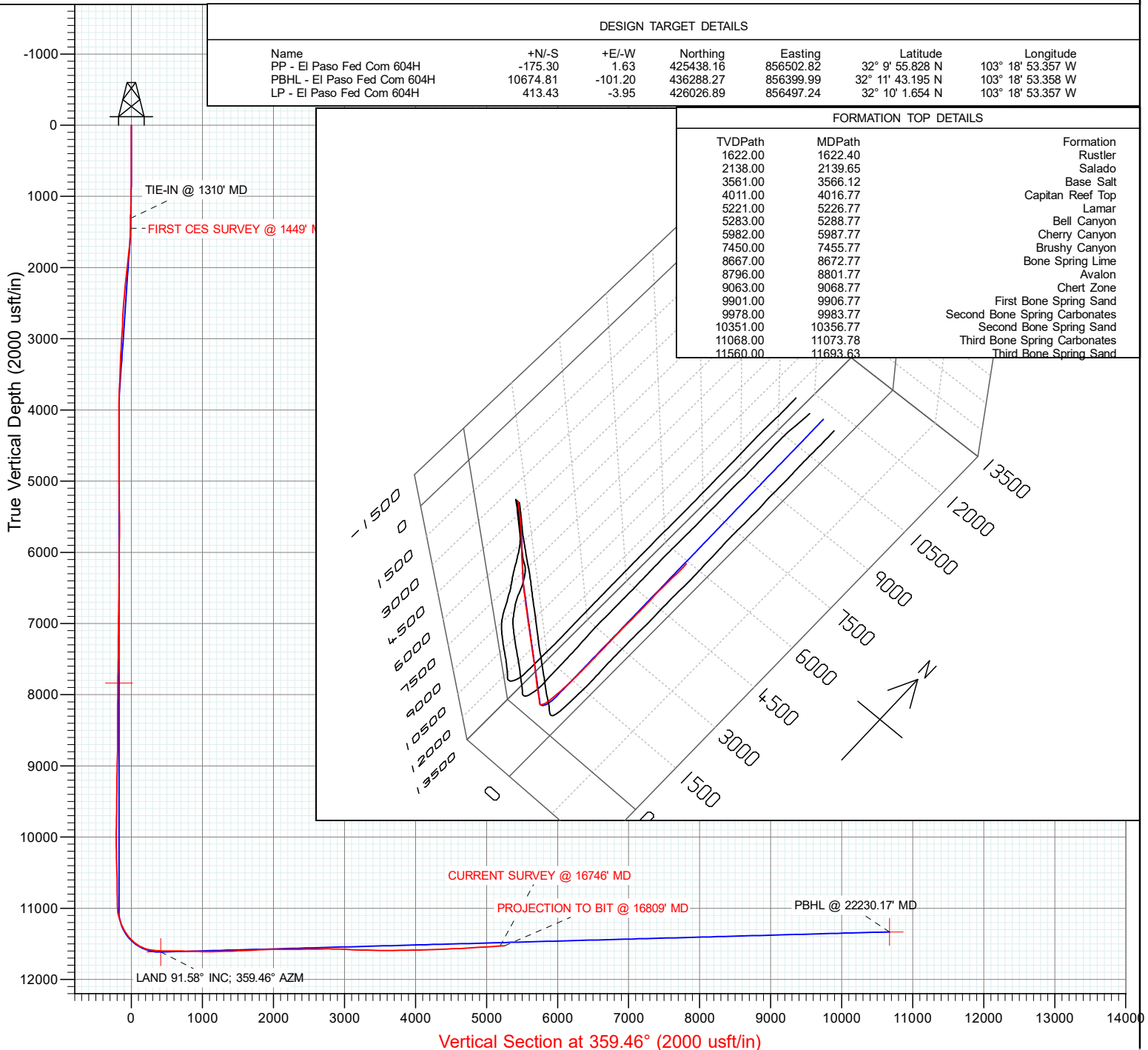
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
1310.00	1.70	227.82	1309.84	-9.12	-13.93	0.00	0.00	-8.99	TIE-IN @ 1310' MD
1430.00	1.70	227.82	1429.79	-11.51	-16.57	0.00	0.00	-11.35	BUILD 1.5° DLG
1652.02	4.00	172.72	1651.55	-21.40	-18.03	1.50	-79.81	-21.23	HOLD 4° INC; 172.72° AZM
3744.27	4.00	172.72	3738.71	-166.08	0.45	0.00	0.00	-166.08	DROP 1.5° DLG
4010.77	0.00	0.00	4005.00	-175.30	1.63	1.50	180.00	-175.31	HOLD 0° INC; 0° AZM
11048.63	0.00	0.00	11042.85	-175.30	1.63	0.00	0.00	-175.31	BUILD 10° DLG
11964.43	91.58	359.46	11615.59	413.43	-3.95	10.00	359.46	413.45	LAND 91.58° INC; 359.46° AZM
22230.17	91.58	359.46	11332.54	10674.81	-101.20	0.00	0.00	10675.29	PBHL @ 22230.17' MD

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PP - El Paso Fed Com 604H	-175.30	1.63	425438.16	856502.82	32° 9' 55.828 N	103° 18' 53.357 W
PBHL - El Paso Fed Com 604H	10674.81	-101.20	436288.27	856399.99	32° 11' 43.195 N	103° 18' 53.358 W
LP - El Paso Fed Com 604H	413.43	-3.95	426026.89	856497.24	32° 10' 1.654 N	103° 18' 53.357 W

FORMATION TOP DETAILS

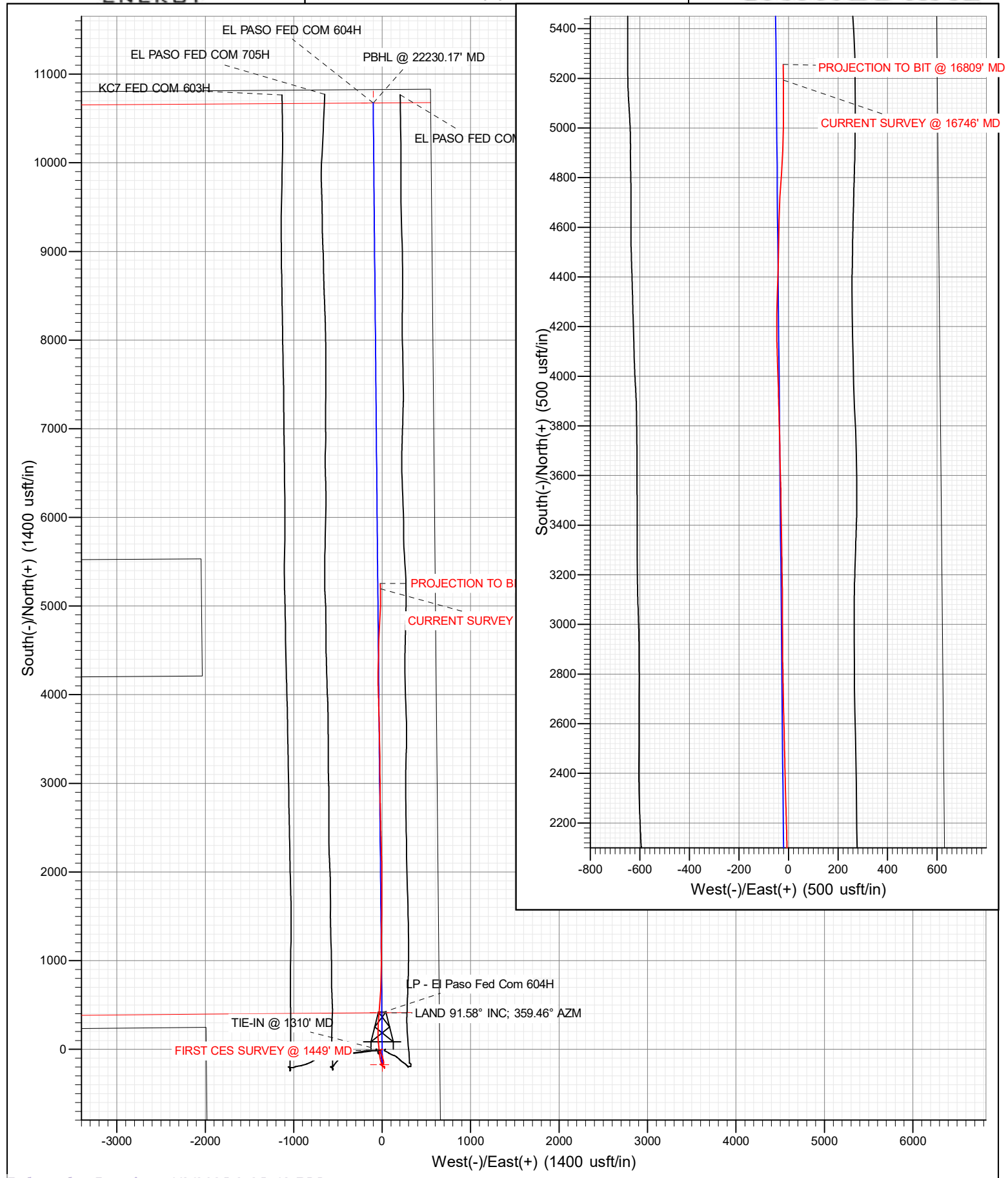
TVDPath	MDPath	Formation
1622.00	1622.40	Rustler
2138.00	2139.65	Salado
3561.00	3566.12	Base Salt
4011.00	4016.77	Capitan Reef Top
5221.00	5226.77	Lamar
5283.00	5288.77	Bell Canyon
5982.00	5987.77	Cherry Canyon
7450.00	7455.77	Brushy Canyon
8667.00	8672.77	Bone Spring Lime
8796.00	8801.77	Avalon
9063.00	9068.77	Chert Zone
9901.00	9906.77	First Bone Spring Sand
9978.00	9983.77	Second Bone Spring Carbonates
10351.00	10356.77	Second Bone Spring Sand
11068.00	11073.78	Third Bone Spring Carbonates
11560.00	11693.63	Third Bone Spring Sand



Vertical Section at 359.46° (2000 usft/in)



US State Plane 1983
New Mexico Eastern Zone
Project: LEA COUNTY, NM (NAD 83)
Site: SEC 1, T25S, R35E
Well: EL PASO FED COM 604H
Wellbore: ORIGINAL HOLE
25' KB @ 3359.10usft (H&P 602)
Ground Elevation: 3334.10
ACTUAL





FRANKLIN MOUNTAIN ENERGY

LEA COUNTY, NM (NAD 83)

SEC 1, T25S, R35E

EL PASO FED COM 604H

ORIGINAL HOLE

Design: ACTUAL

Standard Survey Report

21 July, 2022



Survey Report

Company:	FRANKLIN MOUNTAIN ENERGY	Local Co-ordinate Reference:	Well EL PASO FED COM 604H
Project:	LEA COUNTY, NM (NAD 83)	TVD Reference:	25' KB @ 3359.10usft (H&P 602)
Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users DB

Project	LEA COUNTY, NM (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	SEC 1, T25S, R35E, Gravity: 0.99849		
Site Position:		Northing:	425,613.46 usft
From:	Map	Easting:	856,501.19 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 57.563 N
		Longitude:	103° 18' 53.357 W
		Grid Convergence:	0.54 °

Well	EL PASO FED COM 604H		
Well Position	+N/-S	0.00 usft	Northing: 425,613.46 usft
	+E/-W	0.00 usft	Easting: 856,501.19 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 9' 57.563 N
		Longitude:	103° 18' 53.357 W
		Ground Level:	3,334.10 usft

Wellbore	ORIGINAL HOLE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	7/11/2022	6.33	59.69	47,494.79570998

Design	ACTUAL				
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	359.46	

Survey Program	Date	7/21/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	1,310.00	SURFACE (ORIGINAL HOLE)	MWD	OWSG MWD - Standard	
1,449.00	16,809.00	CES MWD (ORIGINAL HOLE)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

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	
25.00	0.00	0.01	25.00	0.00	0.00	0.00	0.00	0.00	0.00	
146.00	0.40	278.82	146.00	0.06	-0.42	0.07	0.33	0.33	0.00	
233.00	0.40	268.82	233.00	0.11	-1.02	0.11	0.08	0.00	-11.49	
296.00	0.50	281.82	295.99	0.16	-1.51	0.17	0.23	0.16	20.63	
391.00	0.50	256.82	390.99	0.15	-2.32	0.17	0.23	0.00	-26.32	
485.00	0.70	260.82	484.99	-0.04	-3.29	-0.01	0.22	0.21	4.26	
579.00	0.70	270.82	578.98	-0.12	-4.43	-0.08	0.13	0.00	10.64	
674.00	0.60	257.82	673.97	-0.22	-5.49	-0.17	0.19	-0.11	-13.68	
768.00	0.90	233.82	767.97	-0.76	-6.57	-0.70	0.46	0.32	-25.53	



Survey Report

Company:	FRANKLIN MOUNTAIN ENERGY	Local Co-ordinate Reference:	Well EL PASO FED COM 604H
Project:	LEA COUNTY, NM (NAD 83)	TVD Reference:	25' KB @ 3359.10usft (H&P 602)
Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users 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)
862.00	1.00	229.82	861.95	-1.72	-7.79	-1.65	0.13	0.11	-4.26
894.00	1.00	225.82	893.95	-2.10	-8.21	-2.02	0.22	0.00	-12.50
925.00	0.90	218.82	924.94	-2.48	-8.55	-2.39	0.49	-0.32	-22.58
957.00	1.00	226.82	956.94	-2.86	-8.91	-2.78	0.52	0.31	25.00
988.00	1.20	204.82	987.93	-3.34	-9.25	-3.25	1.49	0.65	-70.97
1,019.00	1.20	224.82	1,018.93	-3.87	-9.61	-3.78	1.34	0.00	64.52
1,051.00	1.10	203.82	1,050.92	-4.39	-9.97	-4.29	1.35	-0.31	-65.63
1,082.00	1.40	210.82	1,081.91	-4.98	-10.29	-4.89	1.08	0.97	22.58
1,145.00	1.10	219.82	1,144.90	-6.11	-11.07	-6.00	0.57	-0.48	14.29
1,208.00	1.50	219.82	1,207.88	-7.21	-11.98	-7.09	0.63	0.63	0.00
1,239.00	1.40	218.82	1,238.87	-7.81	-12.48	-7.69	0.33	-0.32	-3.23
1,271.00	1.60	231.82	1,270.86	-8.39	-13.08	-8.27	1.23	0.63	40.63
1,310.00	1.70	227.82	1,309.84	-9.12	-13.93	-8.99	0.39	0.26	-10.26
1,449.00	1.97	234.57	1,448.77	-11.89	-17.41	-11.72	0.25	0.19	4.86
FIRST CES SURVEY @ 1449' MD									
1,543.00	2.97	196.28	1,542.69	-15.16	-19.41	-14.98	1.99	1.06	-40.73
1,637.00	4.89	173.96	1,636.47	-21.49	-19.67	-21.30	2.58	2.04	-23.74
1,731.00	6.25	165.47	1,730.03	-30.42	-17.96	-30.25	1.69	1.45	-9.03
1,826.00	6.36	162.47	1,824.45	-40.45	-15.08	-40.30	0.37	0.12	-3.16
1,921.00	6.24	160.95	1,918.88	-50.34	-11.81	-50.23	0.22	-0.13	-1.60
2,015.00	6.37	159.91	2,012.31	-60.07	-8.35	-59.99	0.18	0.14	-1.11
2,109.00	6.44	157.91	2,105.72	-69.85	-4.58	-69.81	0.25	0.07	-2.13
2,203.00	6.47	155.16	2,199.13	-79.54	-0.37	-79.54	0.33	0.03	-2.93
2,297.00	5.68	163.83	2,292.60	-88.82	3.15	-88.84	1.29	-0.84	9.22
2,391.00	5.28	168.49	2,386.17	-97.52	5.31	-97.57	0.64	-0.43	4.96
2,486.00	5.14	166.82	2,480.78	-105.95	7.15	-106.01	0.22	-0.15	-1.76
2,580.00	3.86	164.30	2,574.49	-113.10	8.97	-113.18	1.38	-1.36	-2.68
2,674.00	3.55	158.97	2,668.29	-118.86	10.87	-118.96	0.49	-0.33	-5.67
2,769.00	1.83	183.50	2,763.19	-123.12	11.83	-123.22	2.14	-1.81	25.82
2,863.00	3.46	151.78	2,857.09	-127.12	13.08	-127.23	2.27	1.73	-33.74
2,957.00	3.85	160.45	2,950.90	-132.59	15.48	-132.73	0.72	0.41	9.22
3,052.00	3.25	176.89	3,045.72	-138.28	16.69	-138.44	1.24	-0.63	17.31
3,146.00	3.12	187.08	3,139.57	-143.48	16.52	-143.63	0.62	-0.14	10.84
3,240.00	3.15	195.58	3,233.43	-148.51	15.51	-148.65	0.50	0.03	9.04
3,334.00	2.64	185.57	3,327.31	-153.15	14.61	-153.28	0.76	-0.54	-10.65
3,429.00	2.42	171.32	3,422.22	-157.31	14.70	-157.44	0.70	-0.23	-15.00
3,523.00	2.31	171.98	3,516.14	-161.15	15.26	-161.29	0.12	-0.12	0.70
3,617.00	2.12	191.62	3,610.07	-164.73	15.17	-164.87	0.83	-0.20	20.89
3,711.00	3.29	229.80	3,703.97	-168.17	12.76	-168.29	2.22	1.24	40.62
3,805.00	3.46	233.88	3,797.81	-171.59	8.41	-171.66	0.31	0.18	4.34
3,899.00	2.41	248.25	3,891.69	-173.99	4.29	-174.02	1.36	-1.12	15.29
3,994.00	1.36	272.93	3,986.63	-174.67	1.30	-174.68	1.37	-1.11	25.98
4,088.00	1.26	277.22	4,080.61	-174.49	-0.84	-174.47	0.15	-0.11	4.56



Survey Report

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Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users 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)
4,182.00	1.07	272.32	4,174.59	-174.32	-2.74	-174.29	0.23	-0.20	-5.21
4,277.00	1.07	277.30	4,269.57	-174.17	-4.50	-174.12	0.10	0.00	5.24
4,371.00	1.09	266.53	4,363.56	-174.11	-6.27	-174.05	0.22	0.02	-11.46
4,465.00	1.02	280.50	4,457.54	-174.02	-7.98	-173.93	0.28	-0.07	14.86
4,560.00	0.73	282.26	4,552.53	-173.73	-9.40	-173.64	0.31	-0.31	1.85
4,654.00	0.78	292.43	4,646.52	-173.36	-10.58	-173.25	0.15	0.05	10.82
4,749.00	0.72	274.60	4,741.51	-173.07	-11.77	-172.95	0.25	-0.06	-18.77
4,843.00	0.95	282.70	4,835.50	-172.85	-13.12	-172.72	0.27	0.24	8.62
4,937.00	0.98	276.59	4,929.49	-172.59	-14.68	-172.44	0.11	0.03	-6.50
5,032.00	1.14	277.09	5,024.47	-172.38	-16.43	-172.21	0.17	0.17	0.53
5,126.00	0.93	278.03	5,118.46	-172.15	-18.11	-171.97	0.22	-0.22	1.00
5,166.00	0.86	273.64	5,158.45	-172.09	-18.73	-171.90	0.24	-0.18	-10.98
5,314.00	1.24	327.78	5,306.43	-170.66	-20.69	-170.46	0.68	0.26	36.58
5,409.00	1.26	333.66	5,401.41	-168.86	-21.70	-168.65	0.14	0.02	6.19
5,503.00	1.07	334.31	5,495.39	-167.14	-22.54	-166.92	0.20	-0.20	0.69
5,597.00	0.07	4.65	5,589.38	-166.29	-22.92	-166.07	1.07	-1.06	32.28
5,692.00	0.79	176.05	5,684.38	-166.89	-22.87	-166.66	0.90	0.76	180.42
5,786.00	0.67	186.39	5,778.37	-168.08	-22.89	-167.86	0.19	-0.13	11.00
5,880.00	0.58	192.50	5,872.37	-169.09	-23.05	-168.87	0.12	-0.10	6.50
5,975.00	0.41	139.04	5,967.37	-169.82	-22.93	-169.59	0.50	-0.18	-56.27
6,070.00	1.13	106.88	6,062.36	-170.35	-21.81	-170.13	0.86	0.76	-33.85
6,164.00	1.19	109.78	6,156.34	-170.95	-20.01	-170.75	0.09	0.06	3.09
6,259.00	1.14	106.83	6,251.32	-171.55	-18.17	-171.37	0.08	-0.05	-3.11
6,353.00	1.17	110.37	6,345.30	-172.16	-16.38	-172.00	0.08	0.03	3.77
6,448.00	1.23	116.21	6,440.28	-172.95	-14.56	-172.80	0.14	0.06	6.15
6,542.00	1.20	120.23	6,534.26	-173.89	-12.80	-173.76	0.10	-0.03	4.28
6,637.00	1.38	128.96	6,629.23	-175.11	-11.05	-175.00	0.28	0.19	9.19
6,731.00	1.42	126.16	6,723.20	-176.51	-9.23	-176.41	0.08	0.04	-2.98
6,825.00	1.37	126.61	6,817.18	-177.86	-7.39	-177.79	0.05	-0.05	0.48
6,918.00	1.27	132.70	6,910.15	-179.23	-5.74	-179.16	0.19	-0.11	6.55
7,012.00	1.21	132.56	7,004.13	-180.60	-4.24	-180.56	0.06	-0.06	-0.15
7,106.00	1.01	131.62	7,098.11	-181.83	-2.89	-181.79	0.21	-0.21	-1.00
7,200.00	1.01	130.60	7,192.10	-182.91	-1.64	-182.89	0.02	0.00	-1.09
7,294.00	1.02	126.67	7,286.08	-183.95	-0.34	-183.94	0.07	0.01	-4.18
7,388.00	1.11	126.47	7,380.07	-184.99	1.06	-185.00	0.10	0.10	-0.21
7,483.00	1.10	109.18	7,475.05	-185.84	2.66	-185.86	0.35	-0.01	-18.20
7,577.00	1.10	116.60	7,569.03	-186.54	4.32	-186.57	0.15	0.00	7.89
7,672.00	1.23	121.71	7,664.01	-187.49	6.00	-187.53	0.18	0.14	5.38
7,766.00	1.16	133.50	7,757.99	-188.67	7.55	-188.73	0.27	-0.07	12.54
7,860.00	1.10	133.29	7,851.97	-189.94	8.90	-190.02	0.06	-0.06	-0.22
7,955.00	0.95	133.03	7,946.96	-191.11	10.14	-191.19	0.16	-0.16	-0.27
8,049.00	1.04	106.52	8,040.94	-191.88	11.53	-191.98	0.49	0.10	-28.20
8,144.00	1.16	98.25	8,135.93	-192.26	13.30	-192.38	0.21	0.13	-8.71



Survey Report

Company:	FRANKLIN MOUNTAIN ENERGY	Local Co-ordinate Reference:	Well EL PASO FED COM 604H
Project:	LEA COUNTY, NM (NAD 83)	TVD Reference:	25' KB @ 3359.10usft (H&P 602)
Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users 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)	
8,238.00	1.29	91.87	8,229.91	-192.44	15.30	-192.57	0.20	0.14	-6.79	
8,333.00	1.45	92.86	8,324.88	-192.53	17.57	-192.69	0.17	0.17	1.04	
8,427.00	1.44	94.91	8,418.85	-192.69	19.94	-192.87	0.06	-0.01	2.18	
8,522.00	1.63	98.39	8,513.81	-192.99	22.46	-193.19	0.22	0.20	3.66	
8,616.00	0.70	102.38	8,607.79	-193.31	24.35	-193.53	0.99	-0.99	4.24	
8,710.00	0.44	198.25	8,701.79	-193.77	24.79	-194.00	0.92	-0.28	101.99	
8,805.00	0.80	191.02	8,796.79	-194.77	24.55	-195.00	0.39	0.38	-7.61	
8,899.00	1.19	153.37	8,890.77	-196.29	24.87	-196.52	0.79	0.41	-40.05	
8,994.00	1.34	147.73	8,985.75	-198.11	25.90	-198.35	0.21	0.16	-5.94	
9,088.00	1.63	147.44	9,079.72	-200.17	27.21	-200.41	0.31	0.31	-0.31	
9,182.00	1.50	199.56	9,173.69	-202.45	27.52	-202.70	1.47	-0.14	55.45	
9,277.00	1.03	215.93	9,268.66	-204.31	26.60	-204.56	0.62	-0.49	17.23	
9,371.00	0.80	202.94	9,362.65	-205.60	25.85	-205.84	0.33	-0.24	-13.82	
9,465.00	0.50	258.76	9,456.65	-206.29	25.19	-206.52	0.71	-0.32	59.38	
9,560.00	0.55	261.04	9,551.64	-206.44	24.33	-206.66	0.06	0.05	2.40	
9,654.00	0.72	199.87	9,645.64	-207.07	23.68	-207.28	0.70	0.18	-65.07	
9,749.00	1.18	171.95	9,740.62	-208.60	23.62	-208.81	0.67	0.48	-29.39	
9,844.00	1.09	165.07	9,835.61	-210.44	23.99	-210.65	0.17	-0.09	-7.24	
9,938.00	1.45	141.16	9,929.58	-212.23	24.97	-212.45	0.67	0.38	-25.44	
10,033.00	1.05	99.18	10,024.56	-213.30	26.58	-213.54	1.02	-0.42	-44.19	
10,127.00	1.20	3.11	10,118.55	-212.46	27.48	-212.71	1.78	0.16	-102.20	
10,222.00	1.25	14.25	10,213.53	-210.46	27.79	-210.71	0.26	0.05	11.73	
10,316.00	1.53	348.32	10,307.50	-208.24	27.79	-208.49	0.72	0.30	-27.59	
10,411.00	1.63	332.18	10,402.47	-205.80	26.90	-206.05	0.48	0.11	-16.99	
10,505.00	1.32	335.63	10,496.44	-203.63	25.83	-203.87	0.34	-0.33	3.67	
10,600.00	1.79	320.88	10,591.40	-201.48	24.44	-201.71	0.65	0.49	-15.53	
10,695.00	1.06	314.82	10,686.37	-199.71	22.88	-199.92	0.78	-0.77	-6.38	
10,789.00	2.02	292.31	10,780.34	-198.47	20.73	-198.66	1.19	1.02	-23.95	
10,884.00	3.04	283.35	10,875.24	-197.25	16.73	-197.40	1.15	1.07	-9.43	
10,936.00	3.99	278.99	10,927.14	-196.65	13.61	-196.77	1.90	1.83	-8.38	
10,979.00	4.36	276.80	10,970.03	-196.22	10.51	-196.32	0.94	0.86	-5.09	
11,074.00	9.33	326.52	11,064.39	-189.36	2.66	-189.38	7.69	5.23	52.34	
11,168.00	19.36	343.57	11,155.38	-168.00	-5.97	-167.94	11.47	10.67	18.14	
11,262.00	24.84	345.30	11,242.44	-133.93	-15.40	-133.78	5.87	5.83	1.84	
11,357.00	31.14	348.53	11,326.29	-90.51	-25.36	-90.27	6.82	6.63	3.40	
11,452.00	39.21	355.67	11,403.91	-36.39	-32.52	-36.08	9.52	8.49	7.52	
11,546.00	49.60	354.37	11,470.98	29.04	-38.30	29.40	11.09	11.05	-1.38	
11,641.00	59.26	355.52	11,526.18	105.93	-45.05	106.35	10.22	10.17	1.21	
11,735.00	70.06	1.12	11,566.37	190.68	-47.35	191.12	12.68	11.49	5.96	
11,829.00	82.79	4.16	11,588.40	281.75	-43.08	282.15	13.90	13.54	3.23	
12,025.00	89.62	4.19	11,601.36	476.69	-28.85	476.94	3.48	3.48	0.02	
12,119.00	90.23	3.75	11,601.48	570.46	-22.35	570.65	0.80	0.65	-0.47	
12,214.00	89.92	2.40	11,601.36	665.32	-17.25	665.46	1.46	-0.33	-1.42	
12,309.00	88.53	1.72	11,602.65	760.25	-13.84	760.35	1.63	-1.46	-0.72	



Survey Report

Company:	FRANKLIN MOUNTAIN ENERGY	Local Co-ordinate Reference:	Well EL PASO FED COM 604H
Project:	LEA COUNTY, NM (NAD 83)	TVD Reference:	25' KB @ 3359.10usft (H&P 602)
Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users 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)	
12,403.00	88.22	1.23	11,605.31	854.18	-11.42	854.25	0.62	-0.33	-0.52	
12,497.00	87.81	1.07	11,608.57	948.11	-9.53	948.15	0.47	-0.44	-0.17	
12,592.00	89.22	0.19	11,611.03	1,043.06	-8.49	1,043.10	1.75	1.48	-0.93	
12,686.00	91.30	359.88	11,610.60	1,137.06	-8.43	1,137.09	2.24	2.21	-0.33	
12,781.00	91.50	0.40	11,608.28	1,232.03	-8.20	1,232.05	0.59	0.21	0.55	
12,875.00	91.49	0.51	11,605.83	1,325.99	-7.45	1,326.01	0.12	-0.01	0.12	
12,969.00	92.14	0.61	11,602.85	1,419.94	-6.53	1,419.94	0.70	0.69	0.11	
13,064.00	92.63	359.97	11,598.90	1,514.86	-6.05	1,514.85	0.85	0.52	-0.67	
13,158.00	92.47	0.46	11,594.72	1,608.76	-5.70	1,608.75	0.55	-0.17	0.52	
13,253.00	92.86	0.30	11,590.30	1,703.66	-5.07	1,703.63	0.44	0.41	-0.17	
13,347.00	93.04	0.22	11,585.46	1,797.53	-4.65	1,797.50	0.21	0.19	-0.09	
13,442.00	91.38	359.84	11,581.80	1,892.46	-4.60	1,892.42	1.79	-1.75	-0.40	
13,536.00	91.17	359.79	11,579.71	1,986.44	-4.90	1,986.39	0.23	-0.22	-0.05	
13,630.00	91.65	359.30	11,577.39	2,080.40	-5.65	2,080.36	0.73	0.51	-0.52	
13,725.00	89.48	358.33	11,576.46	2,175.37	-7.61	2,175.35	2.50	-2.28	-1.02	
13,819.00	90.19	358.55	11,576.73	2,269.34	-10.17	2,269.33	0.79	0.76	0.23	
13,913.00	90.20	358.54	11,576.41	2,363.30	-12.56	2,363.32	0.02	0.01	-0.01	
14,008.00	90.66	358.84	11,575.69	2,458.28	-14.73	2,458.31	0.58	0.48	0.32	
14,102.00	91.19	358.51	11,574.18	2,552.24	-16.90	2,552.28	0.66	0.56	-0.35	
14,197.00	90.84	358.78	11,572.49	2,647.20	-19.15	2,647.26	0.47	-0.37	0.28	
14,291.00	90.20	358.86	11,571.64	2,741.17	-21.08	2,741.25	0.69	-0.68	0.09	
14,386.00	88.72	359.04	11,572.54	2,836.15	-22.82	2,836.24	1.57	-1.56	0.19	
14,480.00	87.64	359.69	11,575.52	2,930.09	-23.87	2,930.19	1.34	-1.15	0.69	
14,574.00	87.72	359.77	11,579.33	3,024.02	-24.31	3,024.11	0.12	0.09	0.09	
14,668.00	87.79	359.70	11,583.01	3,117.94	-24.74	3,118.04	0.11	0.07	-0.07	
14,763.00	88.26	359.27	11,586.28	3,212.88	-25.60	3,212.98	0.67	0.49	-0.45	
14,857.00	88.85	359.04	11,588.65	3,306.84	-26.98	3,306.95	0.67	0.63	-0.24	
14,951.00	88.88	359.06	11,590.52	3,400.81	-28.54	3,400.93	0.04	0.03	0.02	
15,046.00	88.77	359.12	11,592.46	3,495.78	-30.05	3,495.91	0.13	-0.12	0.06	
15,140.00	90.24	358.69	11,593.28	3,589.76	-31.84	3,589.90	1.63	1.56	-0.46	
15,235.00	90.76	358.67	11,592.45	3,684.73	-34.03	3,684.88	0.55	0.55	-0.02	
15,329.00	90.39	358.44	11,591.50	3,778.69	-36.40	3,778.87	0.46	-0.39	-0.24	
15,423.00	90.70	358.61	11,590.61	3,872.66	-38.82	3,872.85	0.38	0.33	0.18	
15,518.00	91.00	358.20	11,589.20	3,967.61	-41.47	3,967.82	0.53	0.32	-0.43	
15,612.00	91.86	358.12	11,586.85	4,061.53	-44.48	4,061.77	0.92	0.91	-0.09	
15,707.00	92.43	359.08	11,583.30	4,156.43	-46.80	4,156.69	1.17	0.60	1.01	
15,802.00	91.06	0.81	11,580.41	4,251.38	-46.89	4,251.64	2.32	-1.44	1.82	
15,896.00	92.71	2.06	11,577.31	4,345.30	-44.54	4,345.52	2.20	1.76	1.33	
15,991.00	92.66	2.01	11,572.86	4,440.13	-41.17	4,440.32	0.07	-0.05	-0.05	
16,085.00	91.44	0.23	11,569.50	4,534.05	-39.34	4,534.22	2.29	-1.30	-1.89	
16,180.00	92.60	1.31	11,566.15	4,628.98	-38.06	4,629.13	1.67	1.22	1.14	
16,274.00	94.41	3.37	11,560.40	4,722.72	-34.23	4,722.83	2.91	1.93	2.19	
16,368.00	93.45	4.29	11,553.96	4,816.28	-27.97	4,816.33	1.41	-1.02	0.98	



Survey Report

Company:	FRANKLIN MOUNTAIN ENERGY	Local Co-ordinate Reference:	Well EL PASO FED COM 604H
Project:	LEA COUNTY, NM (NAD 83)	TVD Reference:	25' KB @ 3359.10usft (H&P 602)
Site:	SEC 1, T25S, R35E	MD Reference:	25' KB @ 3359.10usft (H&P 602)
Well:	EL PASO FED COM 604H	North Reference:	Grid
Wellbore:	ORIGINAL HOLE	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL	Database:	USA EDM 5000 Multi Users 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)	
16,463.00	93.16	2.25	11,548.48	4,910.97	-22.56	4,910.96	2.17	-0.31	-2.15	
16,558.00	93.27	0.52	11,543.16	5,005.79	-20.27	5,005.75	1.82	0.12	-1.82	
16,652.00	93.01	359.80	11,538.01	5,099.64	-20.00	5,099.60	0.81	-0.28	-0.77	
16,746.00	94.48	359.79	11,531.87	5,193.44	-20.34	5,193.40	1.56	1.56	-0.01	
CURRENT SURVEY @ 16746' MD										
16,809.00	94.48	359.79	11,526.95	5,256.25	-20.57	5,256.21	0.00	0.00	0.00	
PROJECTION TO BIT @ 16809' MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,449.00	1,448.77	-11.89	-17.41	FIRST CES SURVEY @ 1449' MD	
16,746.00	11,531.87	5,193.44	-20.34	CURRENT SURVEY @ 16746' MD	
16,809.00	11,526.95	5,256.25	-20.57	PROJECTION TO BIT @ 16809' MD	

Checked By: _____ Approved By: _____ Date: _____

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 141853

CONDITIONS

Operator: Franklin Mountain Energy LLC 6001 Deauville Blvd. Midland, TX 79706	OGRID: 373910
	Action Number: 141853
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	4/8/2025