Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-51196

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Eagle State Com

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number 502H

2. Name of Operator
Franklin Mountain Energy 3, LLC

9. OGRID Number 331595

3. Address of Operator
44 Cook Street, Suite 1000, Denver, CO 80206

10. Pool name or Wildcat
[55610] SCHARB; BONE SPRING

4. Well Location
Unit Letter C : 400 feet from the N line and 1945 feet from the W line
Section 3 Township 19S Range 35E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3848

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Franklin Mountain Energy 3, LLC (FME3), Operator, respectfully requests approval to make the following changes to the proposed drilling plan for the above referenced well.
BHL Change: FME3 requests approval to change the BHL for this well from 1428' FNL 2000' FWL to **1428 FSL 2200 FWL** Sec 10 19S 35E. SHL remains the same. Please see attached Plan #3, revised 14-point plan, geo prog and C-102.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rachael Overbey TITLE Dir. Ops Planning & Regulatory DATE 4/28/2023

Type or print name Rachael Overbey E-mail address: roverbey@fmellc.com PHONE: 303-570-4057

For State Use Only

APPROVED BY: TITLE DATE
Conditions of Approval (if any):

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	[2] Pool Code	[3] Pool Name
	55610	SCHARB;BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
	EAGLE STATE COM	502H

[7] OGRID No.	[8] Operator Name	[9] Elevation
331595	FRANKLIN MOUNTAIN ENERGY 3, LLC	3848.1'

[10] Surface Location

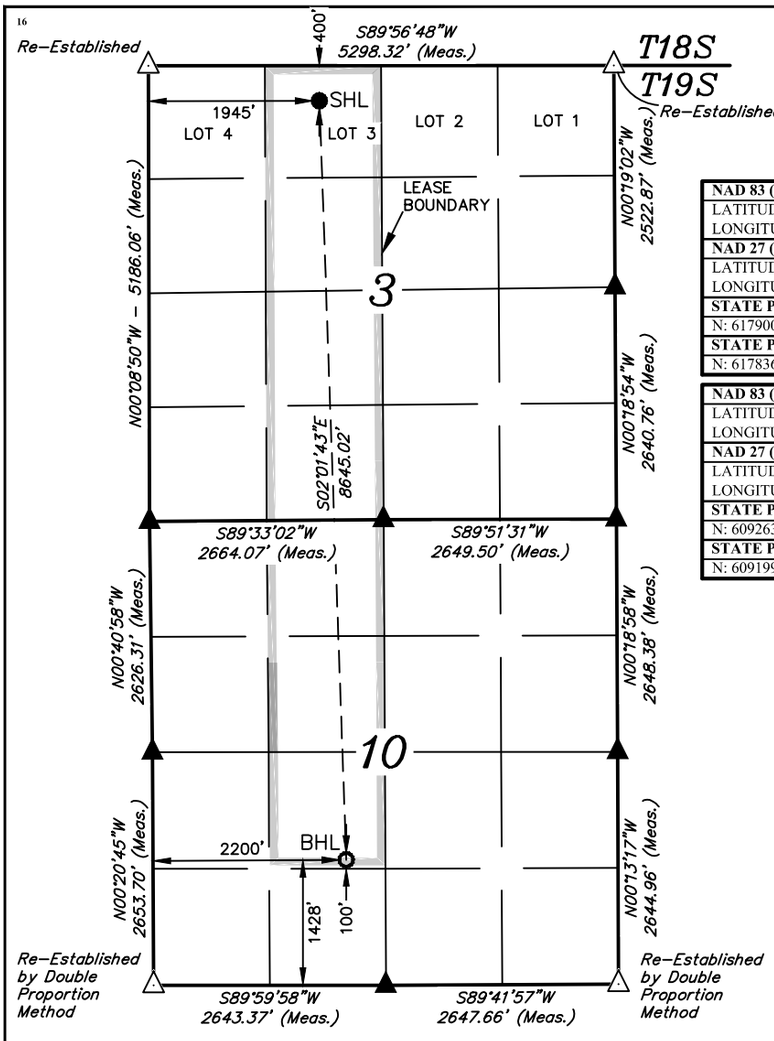
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	3	19S	35E		400	NORTH	1945	WEST	LEA

[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
K	10	19S	35E		1428	SOUTH	2200	WEST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
279.64			

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.



NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°41'43.88" (32.695522°)
LONGITUDE = 103°26'50.91" (103.447474°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°41'43.44" (32.695399°)
LONGITUDE = 103°26'49.14" (103.446983°)
STATE PLANE NAD 83 (N.M. EAST)
N: 617900.32' E: 813854.65'
STATE PLANE NAD 27 (N.M. EAST)
N: 617836.60' E: 772674.57'

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 32°40'18.40" (32.671777°)
LONGITUDE = 103°26'47.74" (103.446595°)
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 32°40'17.95" (32.671654°)
LONGITUDE = 103°26'45.98" (103.446105°)
STATE PLANE NAD 83 (N.M. EAST)
N: 609263.46' E: 814197.26'
STATE PLANE NAD 27 (N.M. EAST)
N: 609199.97' E: 773016.91'

[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 4/14/2023

Rachael Overbey
Printed Name

roverbey@fmellc.com
E-mail Address

[18] SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

January 17, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

NOTE:
- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)
- Section breakdown information for this plat may be obtained from Uintah Engineering & Land Surveying.

● = SURFACE HOLE LOCATION
○ = BOTTOM HOLE LOCATION
▲ = SECTION CORNER LOCATED
△ = SECTION CORNER RE-ESTABLISHED. (Not Set on Ground.)

2000' 1000' 0' 2000'

SCALE

DRAWN BY: Z.L. 01-19-23
REV: 2 04-07-23 N.D.T.
(BHL MOVE)

FRANKLIN MOUNTAIN ENERGY

Eagle State Com 502H

1. **Geologic name of surface location:** Permian
2. **Estimated tops of important geological markers:**

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,855'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,076	1,809'			Carbonates
Salado	1,841	2,044'			Salt, Carbonate & Clastics
Base Salt	922	2,963'			Shaley Carbonate & Shale
Yates	522	3,363'			Carbonate & Clastics
Seven Rivers	74	3,811'			Sandstone - oil/gas/water
Queen	-686	4,571'			Sandstone - oil/gas/water
Cherry Canyon	-2,127	6,012'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,583	7,469'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,153	9,038'			Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,418	9,304'			Chert/Carbonate
Second Bone Spring Sand	-5,582	9,467'			Sandstone - oil/gas/water
HZ Target at Landing	-5,871	9,756'			Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,012	9,897'			Shale/Carbonates - oil/gas

3. **Estimated depth of anticipated fresh water, oil or gas:**

Upper Permian Sands	0- 400’	Fresh Water
Delaware Sands	6,012’	Oil
1st Bone Spring Sand	9,038’	Oil
2nd Bone Spring Sand	9,467’	Oil
3rd Bone Carbonate	9,897’	Oil

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface freshwater sands will be protected by setting 13 3/8” casing at 1,900’and circulating cement back to surface.

4. **Casing Program:**

All casing strings will be run new.

Casing string	Weight	Grade	Burst	Collapse	Tension	Conn	Length	API design factor			
								Burst	Collapse	Tension	Coupling
						BTC					
Surface 13 3/8"	54.5	J-55	2730	1130	853	909	1900	1.02	1.14	4.19	4.47
0-1,900'											
						BTC					
Intermediate 9 5/8"	40	HCL-80	7430	4230	916	1042	4000	2.08	2.26	3.52	4.01
0-4,000'											
						CDC-HTQ					
Production 7"	32	HCP-110	12460	10760	1025	1053	9150	2.18	2.51	2.61	2.68
0-9,150'											
						CDC-HTQ					
Production 5 1/2"	20	HCP-110	12640	12200	641	667	9321	1.15	2.80	2.24	2.33
9,150'-18,471'						TVD	9756				2.26

Tapered production string will be ran with a X-over installed at the KOP of 9,150’.

FRANKLIN MOUNTAIN ENERGY

Cementing Program:

Cementing Stage tool can be placed in the 1st Intermediate string as a contingency to ensure required TOC to surface.

To increase efficiency of drilling operations and minimize disturbance of the area the batch-drilling approach will be used.

Off-line cementing may be utilized for Surface and Intermediate strings to further optimization of drilling process and reduction of disturbance.

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Lead Type of cmt	Lead Yield ft3/sk	Lead Water gal/sk	Lead TOC ft	Tail Sacks	Tail Type of cmt	Tail Yield ft3/sk	Tail Water gal/sk	Tail TOC	Excess
Surf	17.5	13.375	1900	1016	85:15 Compass Poz, 12.8 ppg Class C, 5%Gel,3#/sk Kol Seal, 4.64#/sk Salt	2.05	11.12	0	441	Tail, 14.8 ppg, 100% Class C, 1%CaCl2, 0.1%	1.34	6.35	1500	100%
Int	12.25	9.625	4000	640	Lead, 11.3 ppg, HSLD 82 10% Gel, 4%STE, 2#/sk, Gyp Seal	2.74	16.31	0	201	Econolite Tail, 14.8 ppg, 100% Class C, 0.08% C-51	1.33	6.33	3600	100%
Prod	8.75	7	0-9150	428	HSLD 9420, 10.5 ppg, Class C, 1#/sk Salt, 4% STE 1% C-45	3.99	25.51	3000						100%
Prod	8.75	5.5	9150-18471						2327	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	9150	50%

5. Minimum Specifications for Pressure Control:

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5,000-psi WP). Both units will be hydraulically operated, and the ram-type will be equipped with blind rams on bottom and 4 ½" x 7" variable pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5,000/250 psig and the annular preventer to 5,000/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 10,000/250 psig and the annular preventer to 5,000/250 psig.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

FRANKLIN MOUNTAIN ENERGY

6. Types and characteristics of the proposed mud system:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal. The applicable depths and properties of the drilling fluid systems are as follows.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,900'	Fresh - Gel	8.6-8.8	28-34	N/c
1,900' – 4,000'	Brine	8.8-10.2	28-34	N/c
4,000' – 18471' Lateral	Oil Base	9.0-11.0	58-68	3 - 6

The highest mud weight needed to balance formation is expected to be 10-11 ppg. In order to maintain hole stability, mud weights up to 12 ppg may be utilized.
An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.
Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. Auxiliary well control and monitoring equipment:

(A) A kelly cock will be kept in the drill string at all times.
(B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be kept on the rig floor at all times.
(C) H2S monitoring and detection equipment will be utilized from surface casing point to TD.
(D) A wear bushing will be installed in the wellhead prior to drilling out of the surface casing.

8. Logging, testing and coring program:

GR–CCL-CNL Will be run in cased hole during completions phase of operations.
Open-hole logs are not planned for this well.

9. Abnormal conditions, pressures, temperatures and potential hazards:

The estimated bottom-hole temperature at 9756' TVD (deepest point of the well) is 155F with an estimated maximum bottom-hole pressure (BHP) at the same point of 6,087 psig (based on 12 ppg MW). Hydrogen Sulfide may be present in the area. All necessary precautions will be taken before drilling operations commence. See Hydrogen Sulfide Plan below:

10. Hydrogen Sulfide Plan:

A. All personnel shall receive proper awareness H2S training.
B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
C. Required Emergency Equipment
    a. Well Control Equipment
        i. Flare line 150' from wellhead to be ignited by auto ignition sparking system.
        ii. Choke manifold with a remotely operated hydraulic choke.
        iii. Mud/gas separator
    b. Protective equipment for essential personnel
        i. Breathing Apparatus
            1. Rescue packs (SCBA) – 1 unit shall be placed at each briefing area, 2 shall be stored in a safety trailer on site.

FRANKLIN MOUNTAIN ENERGY

2. Work/Escape packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
3. Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.

ii. Auxiliary Rescue Equipment
1. Stretcher
2. Two OSHA full body harnesses
3. 100 feet of 5/8 inches OSHA approved rope
4. 1-20# class ABC fire extinguisher

c. H2S Detection and Monitoring Equipment
i. A stationary detector with three sensors will be placed in the doghouse if equipped, set to visually alarm at 10 ppm and audible at 14 ppm. The detector will be calibrated a minimum of every 30 days or as needed. The sensors will be placed in the following places:
1. Rig Floor
2. Below Rig Floor / Near BOPs
3. End of flow line or where well bore fluid is being discharged (near shakers)
ii. If H2S is encountered, measured values and formations will be provided to the BLM.

d. Visual Warning Systems
i. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
ii. A colored condition flag will be on display, reflecting the current condition at the site at the time.
iii. Two windsocks will be placed in strategic locations, visible from all angles.

e. Mud Program
i. The Mud program will be designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

f. Metallurgy
i. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service at the anticipated operating pressures to prevent sour sulfide stress cracking.

g. Communication
i. Communication will be via cell phones and walkie talkies on location.

Based on concentrations of offset wells, proximity to main roads, and distance to populated areas, the radius of exposure created by a potential release was determined to be minimal and low enough to not necessitate an H2S contingency plan. This will be reevaluated during wellbore construction if H2S is observed and after the well is on production.

FRANKLIN MOUNTAIN ENERGY

11. Anticipated starting date and duration of operations:

The drilling operations on the well should be finished in approximately one month. However, in order to minimize disturbance in the area and to improve efficiency Franklin Mountain is planning to drill all the wells on the pad prior to commence completion operations. To even further reduce the time heavy machinery is used the "batch drilling" method may be used. A batch drilling sequence sundry will be submitted for State approval prior to spud. A drilling rig with walking/skidding capabilities will be used.

12. Disposal/environmental concerns:

(A) Drilled cuttings will be hauled to and disposed of in a state-certified disposal site.
(B) Non-hazardous waste mud/cement from the drilling process will also be hauled to and disposed of in a state-certified disposal site.
(C) Garbage will be hauled to the Pecos City Landfill.
(D) Sewage (grey water) will be hauled to the Carlsbad City Landfill

13. Wellhead:

A multi-bowl wellhead system will be utilized.
After running the 13 3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum working pressure of 10,000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5,000 psi pressure test. This pressure test will be repeated at least every 21 days.

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 5,000 psi.

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or J-packer type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing string. After installation of the first intermediate string the pack-off and lower flanges will be pressure tested to 5000 psi.

Both the surface and intermediate casing strings will be tested as per NMOCD Rules to the one-third of manufacture's rated yield pressure, no less than 600 psi, but not greater than 1,500 psi.

14. Additional variance requests

A. Casing.

1. Variance is requested to wave/reduce the centralizer requirements for the 7" and 5 ½" production casing due to the tight clearance with 8 3/4" hole.

Geologic Prognosis

FRANKLIN MOUNTAIN ENERGY

Well Name	**Eagle State Com 502H**
Operator	Franklin Mountain Energy 3, LLC
Project Area	Eagle Unit
Well Type	10,000' Second Bone Spring Lateral
API	
Permit Number	
Rig	

State	NM	**County**	Lea						
SHL	**Township**	19S/35E	**Section**	3	1,945'	FWL	400'	FNL	
BHL	**Township**	19S/35E	**Section**	10	2,200'	FWL	1,428'	FSL	
Surface Latitude			**NAD 83**	32.695522					
Surface Longitude			**NAD 83**	103.447474					
Bottom Hole Lattitude			**NAD 83**	32.671777					
Bottom Hole Longitude			**NAD 83**	103.446595					
Ground Level			3,855'	**Rig KB**	30'	**KB**	3,885'		

Formations	PROG SS	PROG TVD	Picked TVD	delta	Potential/Issues
Cenozoic Alluvium (surface)	3,855'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,076	1,809'			Carbonates
Salado	1,841	2,044'			Salt, Carbonate & Clastics
Base Salt	922	2,963'			Shaley Carbonate & Shale
Yates	522	3,363'			Carbonate & Clastics
Seven Rivers	74	3,811'			Sandstone - oil/gas/water
Queen	-686	4,571'			Sandstone - oil/gas/water
Cherry Canyon	-2,127	6,012'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,583	7,469'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,153	9,038'			Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,418	9,304'			Chert/Carbonate
Second Bone Spring Sand	-5,582	9,467'			Sandstone - oil/gas/water
HZ Target at Landing	-5,871	9,756'			Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,012	9,897'			Shale/Carbonates - oil/gas

Target interval is expected to have an average apparent dip of ~0.0 degrees down along the lateral based on Third Bone Spring Carbonate structure

Target window tolerance is set at +/- 10'

Target Line: 9,756' KBTVD @ 0' VS w/ 90.0° inc.
Offset Log: Scharb (30025272270000)
Updated 3/3/2023

FME Geologist	Ben Metz		bmetz@fmellc.com	
	Office	303.513.8590	Cell	303.513.8590

Electric Logs					From	To
Open-Hole						
	n/a					
MWD/LWD						
	MWD GR				Int. 1 Csg. Point	TD

Mud Log:	
t drill out of surface casing	
Sampling:	10' samples in vertical and through curve, 30' samples in lateral
Samples:	1 set dry samples at footage frequency noted above
Mud Gas:	Continuous
Daily Contact:	Email distribution of mud log/daily report at 7:30am and 4:30 pm CST

Daily Mud Log Email Distribution List

Final Mud Log Distribution			
	Ben Metz (bmetz@fmellc.com)	email	

Cuttings/Samples Shipment Information			

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Sec 03-T19S-R35E
Well: Eagle State Com 502H
Wellbore: OH
Design: Plan #3
Rig:

FRANKLIN MOUNTAIN ENERGY

T G M

Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.74°

Magnetic Field
Strength: 47647.8nT
Dip Angle: 60.52°
Date: 2/17/2023
Model: HDGM2023

Total Magnetic Correction: 5.74°

PROJECT DETAILS: Lea County, NM (NAD83)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

Reference Datum: 3855' GL + 30' KB @ 3885.00usft

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
30.00	30.00	Cenozoic Alluvium (surface)
1809.00	1809.00	Rustler
2044.00	2044.00	Salado
2963.00	2963.00	Base Salt
3363.00	3363.55	Yates
3811.00	3814.76	Seven Rivers
4571.00	4580.47	Queen
6012.00	6032.31	Cherry Canyon
7469.00	7491.94	Bone Spring Lime
9038.00	9060.94	First Bone Spring Sand
9304.00	9327.86	Second Bone Spring Carbonates
9467.00	9503.07	Second Bone Spring Sand
9756.00	10105.98	HZ Target at Landing

SHL

RKB Elevation: 3855' GL + 30' KB @ 3885.00usft

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	617900.32	813854.65	32.6955223	-103.4474743	

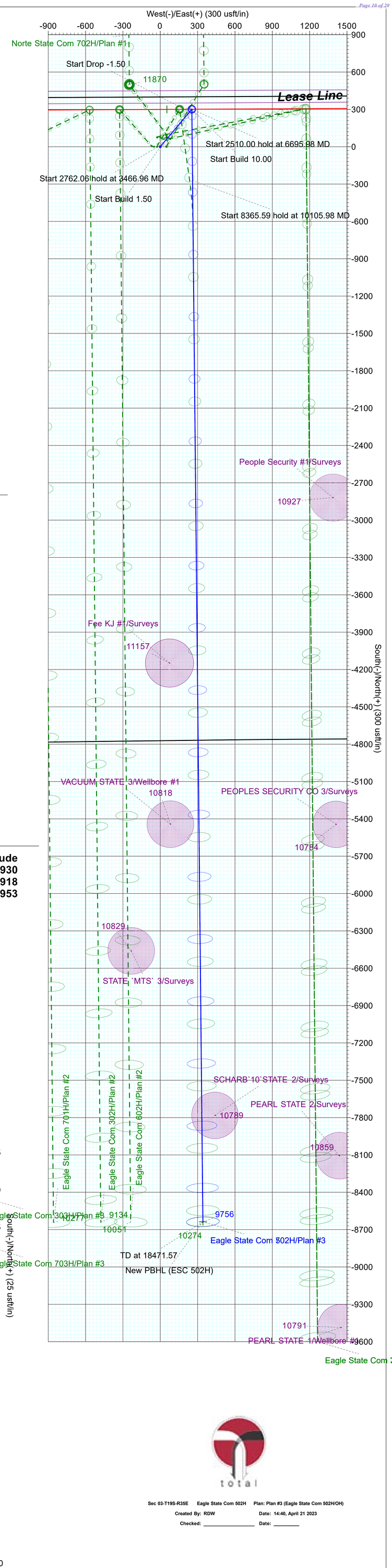
Target Line: 9,756' KBTVD @ 0' VS w/ 90.0° inc.

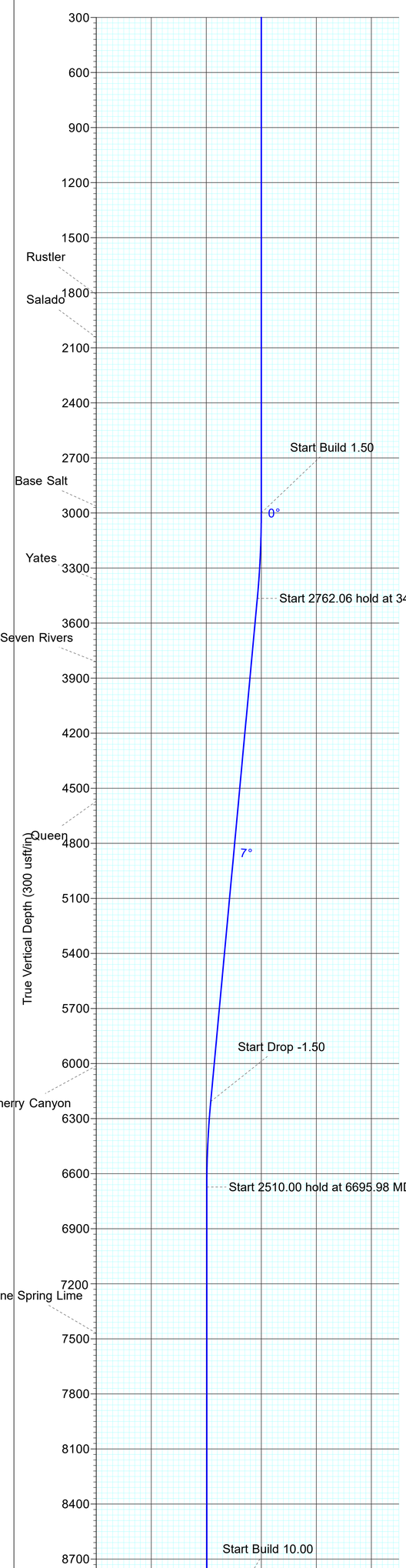
SECTION DETAILS for: Plan #3

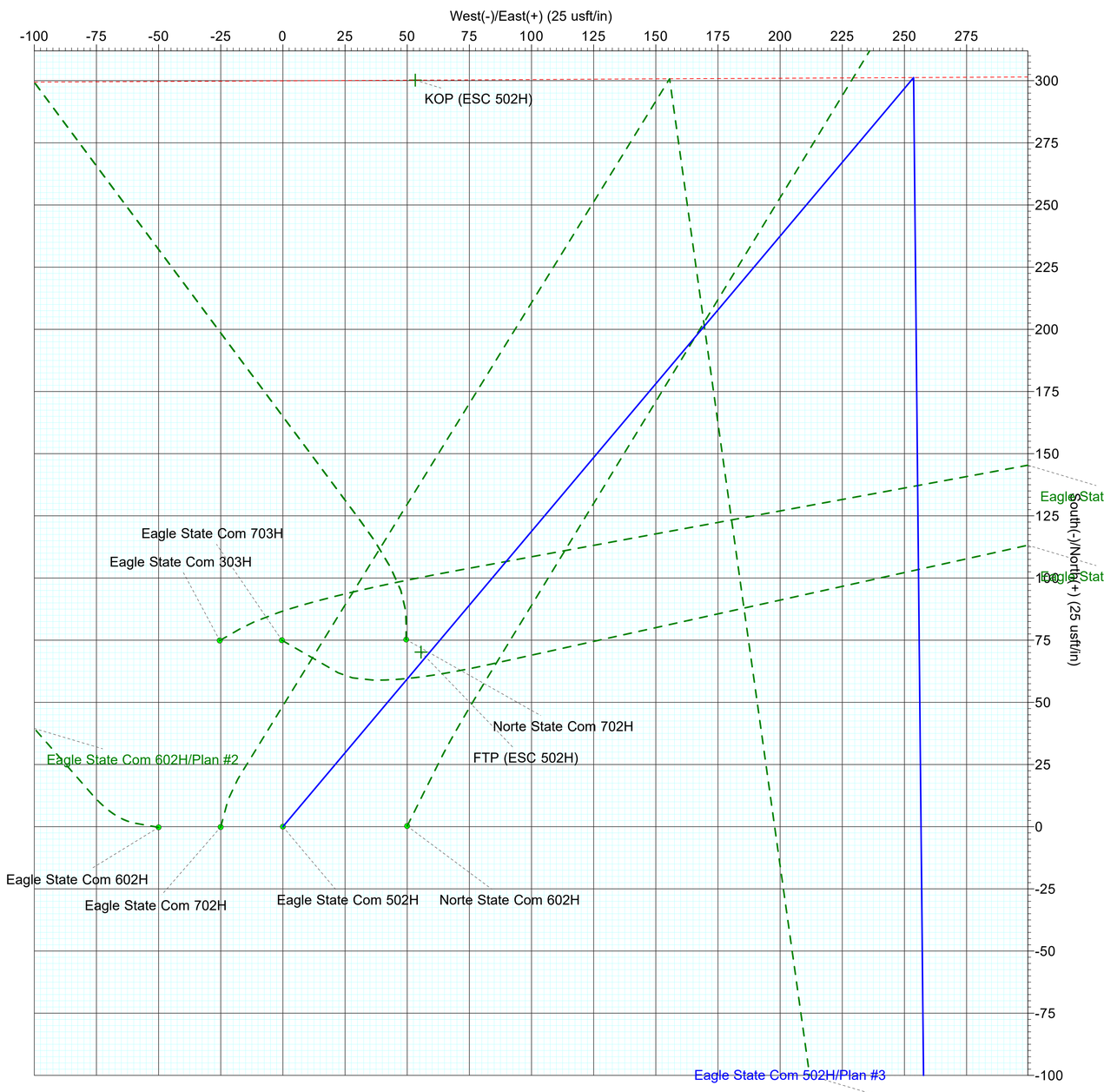
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	
3466.96	7.00	40.10	3465.80	21.81	18.36	1.50	40.10	-21.50	
6229.02	7.00	40.10	6207.25	279.44	235.32	0.00	0.00	-275.50	
6695.98	0.00	179.43	6673.04	301.25	253.69	1.50	180.00	-297.00	
9205.98	0.00	179.43	9183.04	301.25	253.69	0.00	0.00	-297.00	
10105.98	90.00	179.43	9756.00	-271.68	259.39	10.00	0.00	275.95	
18471.57	90.00	179.43	9756.00	-8636.86	342.61	0.00	0.00	8641.35	New PBHL (ESC 502H)

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP (ESC 502H)	9183.04	300.21	53.26	618200.53	813907.91	32.6963462	-103.4472930
FTP (ESC 502H)	9642.02	70.22	55.56	617970.54	813910.21	32.6957140	-103.4472918
New PBHL (ESC 502H)	9756.00	-8636.86	342.61	609263.46	814197.26	32.6717771	-103.4465953







total

Sec 03-T19S-R35E Eagle State Com 502H Plan: Plan #3 (Eagle State Com 502H/OH)
Created By: RDW Date: 14:40, April 21 2023
Checked: _____ Date: _____

Franklin Mountain Energy

Lea County, NM (NAD83)
Sec 03-T19S-R35E
Eagle State Com 502H

1945 FWL, 400 FNL Sec 3

OH

Plan: Plan #3

Total Directional
"Driven by TOTAL performance"

Standard Survey Report

21 April, 2023

Total Report Version 1.10

COMPASS 5000.16 Build 97

Total Directional Services, LLC

Survey Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 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 Sec 03-T19S-R35E

Site Position:		**Northing:**	617,968.58 usft	**Latitude:**	32.6957397
From:	Map	**Easting:**	812,554.48 usft	**Longitude:**	-103.4516984
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Eagle State Com 502H

Well Position	**+N/-S**	0.00 usft	**Northing:**	617,900.32 usft	**Latitude:**	32.6955223
	+E/-W	0.00 usft	**Easting:**	813,854.65 usft	**Longitude:**	-103.4474743
Position Uncertainty		0.50 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,855.00 usft
Grid Convergence:		0.48 °				

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM2023	2/17/2023	6.22	60.52	47,647.80000000

Design Plan #3

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	179.05

Survey Tool Program **Date** 4/21/2023

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	18,471.50	Plan #3 (OH)	MWD+HDGM	OWSG MWD + HDGM

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
30.00	0.00	0.00	30.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
Cenozoic Alluvium (surface)													
100.00	0.00	0.00	100.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Total Directional Services, LLC

Survey Report

total

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
400.00	0.00	0.00	400.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
1,809.00	0.00	0.00	1,809.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
Rustler													
1,900.00	0.00	0.00	1,900.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,044.00	0.00	0.00	2,044.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
Salado													
2,100.00	0.00	0.00	2,100.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
2,963.00	0.00	0.00	2,963.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
Base Salt													
3,000.00	0.00	0.00	3,000.00	0.00	0.00	617,900.32	813,854.65	32.6955223	-103.4474743	0.00	0.00	0.00	0.00
Start Build 1.50													
3,100.00	1.50	40.10	3,099.99	1.00	0.84	617,901.32	813,855.49	32.6955250	-103.4474715	-0.99	1.50	1.50	0.00
3,200.00	3.00	40.10	3,199.91	4.00	3.37	617,904.32	813,858.02	32.6955332	-103.4474632	-3.95	1.50	1.50	0.00
3,300.00	4.50	40.10	3,299.69	9.01	7.58	617,909.33	813,862.23	32.6955469	-103.4474494	-8.88	1.50	1.50	0.00
3,363.55	5.45	40.10	3,363.00	13.22	11.14	617,913.54	813,865.79	32.6955584	-103.4474377	-13.04	1.50	1.50	0.00
Yates													

Total Directional Services, LLC

Survey Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,400.00	6.00	40.10	3,399.27	16.01	13.48	617,916.33	813,868.13	32.6955660	-103.4474300	-15.78	1.50	1.50	0.00
3,466.96	7.00	40.10	3,465.80	21.81	18.36	617,922.13	813,873.01	32.6955818	-103.4474140	-21.50	1.50	1.50	0.00
Start 2762.06 hold at 3466.96 MD													
3,500.00	7.00	40.10	3,498.59	24.89	20.96	617,925.21	813,875.61	32.6955902	-103.4474055	-24.54	0.00	0.00	0.00
3,600.00	7.00	40.10	3,597.84	34.21	28.81	617,934.53	813,883.46	32.6956157	-103.4473797	-33.73	0.00	0.00	0.00
3,700.00	7.00	40.10	3,697.10	43.54	36.67	617,943.86	813,891.32	32.6956411	-103.4473539	-42.93	0.00	0.00	0.00
3,800.00	7.00	40.10	3,796.35	52.87	44.52	617,953.19	813,899.17	32.6956666	-103.4473281	-52.12	0.00	0.00	0.00
3,814.76	7.00	40.10	3,811.00	54.25	45.68	617,954.57	813,900.33	32.6956703	-103.4473243	-53.48	0.00	0.00	0.00
Seven Rivers													
3,900.00	7.00	40.10	3,895.61	62.20	52.38	617,962.52	813,907.03	32.6956920	-103.4473023	-61.32	0.00	0.00	0.00
4,000.00	7.00	40.10	3,994.86	71.53	60.23	617,971.85	813,914.88	32.6957175	-103.4472766	-70.52	0.00	0.00	0.00
4,100.00	7.00	40.10	4,094.11	80.85	68.09	617,981.17	813,922.74	32.6957430	-103.4472508	-79.71	0.00	0.00	0.00
4,200.00	7.00	40.10	4,193.37	90.18	75.94	617,990.50	813,930.59	32.6957684	-103.4472250	-88.91	0.00	0.00	0.00
4,300.00	7.00	40.10	4,292.62	99.51	83.80	617,999.83	813,938.45	32.6957939	-103.4471992	-98.11	0.00	0.00	0.00
4,400.00	7.00	40.10	4,391.87	108.84	91.65	618,009.16	813,946.30	32.6958193	-103.4471734	-107.30	0.00	0.00	0.00
4,500.00	7.00	40.10	4,491.13	118.16	99.51	618,018.48	813,954.16	32.6958448	-103.4471476	-116.50	0.00	0.00	0.00
4,580.47	7.00	40.10	4,571.00	125.67	105.83	618,025.99	813,960.48	32.6958653	-103.4471269	-123.90	0.00	0.00	0.00
Queen													
4,600.00	7.00	40.10	4,590.38	127.49	107.36	618,027.81	813,962.01	32.6958702	-103.4471218	-125.69	0.00	0.00	0.00
4,700.00	7.00	40.10	4,689.64	136.82	115.22	618,037.14	813,969.87	32.6958957	-103.4470961	-134.89	0.00	0.00	0.00
4,800.00	7.00	40.10	4,788.89	146.15	123.07	618,046.47	813,977.72	32.6959211	-103.4470703	-144.09	0.00	0.00	0.00
4,900.00	7.00	40.10	4,888.14	155.47	130.93	618,055.79	813,985.58	32.6959466	-103.4470445	-153.28	0.00	0.00	0.00
5,000.00	7.00	40.10	4,987.40	164.80	138.78	618,065.12	813,993.43	32.6959721	-103.4470187	-162.48	0.00	0.00	0.00
5,100.00	7.00	40.10	5,086.65	174.13	146.64	618,074.45	814,001.29	32.6959975	-103.4469929	-171.67	0.00	0.00	0.00
5,200.00	7.00	40.10	5,185.90	183.46	154.49	618,083.78	814,009.14	32.6960230	-103.4469671	-180.87	0.00	0.00	0.00
5,300.00	7.00	40.10	5,285.16	192.78	162.35	618,093.10	814,017.00	32.6960484	-103.4469413	-190.07	0.00	0.00	0.00
5,400.00	7.00	40.10	5,384.41	202.11	170.20	618,102.43	814,024.85	32.6960739	-103.4469156	-199.26	0.00	0.00	0.00
5,500.00	7.00	40.10	5,483.66	211.44	178.06	618,111.76	814,032.71	32.6960993	-103.4468898	-208.46	0.00	0.00	0.00
5,600.00	7.00	40.10	5,582.92	220.77	185.91	618,121.09	814,040.56	32.6961248	-103.4468640	-217.65	0.00	0.00	0.00
5,700.00	7.00	40.10	5,682.17	230.10	193.77	618,130.42	814,048.42	32.6961502	-103.4468382	-226.85	0.00	0.00	0.00
5,800.00	7.00	40.10	5,781.43	239.42	201.62	618,139.74	814,056.27	32.6961757	-103.4468124	-236.05	0.00	0.00	0.00
5,900.00	7.00	40.10	5,880.68	248.75	209.48	618,149.07	814,064.13	32.6962012	-103.4467866	-245.24	0.00	0.00	0.00
6,000.00	7.00	40.10	5,979.93	258.08	217.33	618,158.40	814,071.98	32.6962266	-103.4467609	-254.44	0.00	0.00	0.00
6,032.31	7.00	40.10	6,012.00	261.09	219.87	618,161.41	814,074.52	32.6962348	-103.4467525	-257.41	0.00	0.00	0.00
Cherry Canyon													
6,100.00	7.00	40.10	6,079.19	267.41	225.19	618,167.73	814,079.84	32.6962521	-103.4467351	-263.64	0.00	0.00	0.00
6,200.00	7.00	40.10	6,178.44	276.73	233.04	618,177.05	814,087.69	32.6962775	-103.4467093	-272.83	0.00	0.00	0.00
6,229.02	7.00	40.10	6,207.25	279.44	235.32	618,179.76	814,089.97	32.6962849	-103.4467018	-275.50	0.00	0.00	0.00

Total Directional Services, LLC

Survey Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
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Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Start Drop -1.50													
6,300.00	5.94	40.10	6,277.77	285.56	240.48	618,185.88	814,095.13	32.6963016	-103.4466849	-281.53	1.50	-1.50	0.00
6,400.00	4.44	40.10	6,377.36	292.48	246.30	618,192.80	814,100.95	32.6963205	-103.4466658	-288.35	1.50	-1.50	0.00
6,500.00	2.94	40.10	6,477.15	297.40	250.45	618,197.72	814,105.10	32.6963339	-103.4466521	-293.21	1.50	-1.50	0.00
6,600.00	1.44	40.10	6,577.07	300.32	252.91	618,200.64	814,107.56	32.6963419	-103.4466441	-296.09	1.50	-1.50	0.00
6,695.98	0.00	179.43	6,673.04	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	1.50	-1.50	0.00
Start 2510.00 hold at 6695.98 MD													
6,700.00	0.00	0.00	6,677.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,777.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,877.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,000.00	0.00	0.00	6,977.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,077.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,177.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,277.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,377.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,491.94	0.00	0.00	7,469.00	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
Bone Spring Lime													
7,500.00	0.00	0.00	7,477.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,577.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,677.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,777.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,877.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,000.00	0.00	0.00	7,977.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,077.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,177.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,277.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,377.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,477.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,577.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,677.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,777.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,877.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
9,000.00	0.00	0.00	8,977.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
9,060.94	0.00	0.00	9,038.00	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
First Bone Spring Sand													
9,100.00	0.00	0.00	9,077.06	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
9,205.98	0.00	0.00	9,183.04	301.25	253.69	618,201.57	814,108.34	32.6963444	-103.4466415	-297.00	0.00	0.00	0.00
Start Build 10.00													

Total Directional Services, LLC

Survey Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,250.00	4.40	179.43	9,227.02	299.56	253.70	618,199.88	814,108.35	32.6963398	-103.4466415	-295.31	10.00	10.00	0.00
9,300.00	9.40	179.43	9,276.64	293.55	253.76	618,193.87	814,108.41	32.6963233	-103.4466415	-289.30	10.00	10.00	0.00
9,327.86	12.19	179.43	9,304.00	288.33	253.82	618,188.65	814,108.47	32.6963089	-103.4466415	-284.08	10.00	10.00	0.00
Second Bone Spring Carbonates													
9,350.00	14.40	179.43	9,325.55	283.24	253.87	618,183.56	814,108.52	32.6962949	-103.4466414	-278.99	10.00	10.00	0.00
9,400.00	19.40	179.43	9,373.38	268.71	254.01	618,169.03	814,108.66	32.6962550	-103.4466414	-264.46	10.00	10.00	0.00
9,450.00	24.40	179.43	9,419.75	250.07	254.20	618,150.39	814,108.85	32.6962037	-103.4466413	-245.82	10.00	10.00	0.00
9,500.00	29.40	179.43	9,464.33	227.45	254.42	618,127.77	814,109.07	32.6961416	-103.4466411	-223.20	10.00	10.00	0.00
9,503.07	29.71	179.43	9,467.00	225.93	254.44	618,126.25	814,109.09	32.6961374	-103.4466411	-221.68	10.00	10.00	0.00
Second Bone Spring Sand													
9,550.00	34.40	179.43	9,506.76	201.04	254.68	618,101.36	814,109.33	32.6960690	-103.4466410	-196.79	10.00	10.00	0.00
9,600.00	39.40	179.43	9,546.73	171.03	254.98	618,071.35	814,109.63	32.6959865	-103.4466408	-166.77	10.00	10.00	0.00
9,650.00	44.40	179.43	9,583.93	137.64	255.32	618,037.96	814,109.97	32.6958947	-103.4466407	-133.39	10.00	10.00	0.00
9,700.00	49.40	179.43	9,618.09	101.15	255.68	618,001.47	814,110.33	32.6957944	-103.4466405	-96.90	10.00	10.00	0.00
9,750.00	54.40	179.43	9,648.93	61.82	256.07	617,962.14	814,110.72	32.6956863	-103.4466403	-57.56	10.00	10.00	0.00
9,800.00	59.40	179.43	9,676.22	19.94	256.49	617,920.26	814,111.14	32.6955712	-103.4466401	-15.69	10.00	10.00	0.00
9,850.00	64.40	179.43	9,699.76	-24.15	256.92	617,876.17	814,111.57	32.6954500	-103.4466398	28.40	10.00	10.00	0.00
9,900.00	69.40	179.43	9,719.37	-70.12	257.38	617,830.20	814,112.03	32.6953237	-103.4466396	74.38	10.00	10.00	0.00
9,950.00	74.40	179.43	9,734.90	-117.63	257.85	617,782.69	814,112.50	32.6951931	-103.4466394	121.89	10.00	10.00	0.00
10,000.00	79.40	179.43	9,746.23	-166.31	258.34	617,734.01	814,112.99	32.6950593	-103.4466391	170.57	10.00	10.00	0.00
10,050.00	84.40	179.43	9,753.27	-215.80	258.83	617,684.52	814,113.48	32.6949233	-103.4466389	220.06	10.00	10.00	0.00
10,100.00	89.40	179.43	9,755.97	-265.70	259.33	617,634.62	814,113.98	32.6947861	-103.4466386	269.97	10.00	10.00	0.00
10,105.98	90.00	179.43	9,756.00	-271.68	259.39	617,628.64	814,114.04	32.6947697	-103.4466386	275.95	10.00	10.00	0.00
Start 8365.59 hold at 10105.98 MD - HZ Target at Landing													
10,200.00	90.00	179.43	9,756.00	-365.70	260.32	617,534.62	814,114.97	32.6945113	-103.4466381	369.96	0.00	0.00	0.00
10,300.00	90.00	179.43	9,756.00	-465.69	261.32	617,434.63	814,115.97	32.6942364	-103.4466376	469.96	0.00	0.00	0.00
10,400.00	90.00	179.43	9,756.00	-565.69	262.31	617,334.63	814,116.96	32.6939616	-103.4466370	569.96	0.00	0.00	0.00
10,500.00	90.00	179.43	9,756.00	-665.68	263.31	617,234.64	814,117.96	32.6936867	-103.4466365	669.96	0.00	0.00	0.00
10,600.00	90.00	179.43	9,756.00	-765.68	264.30	617,134.64	814,118.95	32.6934119	-103.4466360	769.96	0.00	0.00	0.00
10,700.00	90.00	179.43	9,756.00	-865.67	265.30	617,034.65	814,119.95	32.6931370	-103.4466355	869.95	0.00	0.00	0.00
10,800.00	90.00	179.43	9,756.00	-965.67	266.29	616,934.65	814,120.94	32.6928622	-103.4466350	969.95	0.00	0.00	0.00
10,900.00	90.00	179.43	9,756.00	-1,065.66	267.29	616,834.66	814,121.94	32.6925873	-103.4466345	1,069.95	0.00	0.00	0.00
11,000.00	90.00	179.43	9,756.00	-1,165.66	268.28	616,734.66	814,122.93	32.6923125	-103.4466339	1,169.95	0.00	0.00	0.00
11,100.00	90.00	179.43	9,756.00	-1,265.65	269.28	616,634.67	814,123.93	32.6920376	-103.4466334	1,269.94	0.00	0.00	0.00
11,200.00	90.00	179.43	9,756.00	-1,365.65	270.27	616,534.67	814,124.92	32.6917628	-103.4466329	1,369.94	0.00	0.00	0.00
11,300.00	90.00	179.43	9,756.00	-1,465.64	271.27	616,434.68	814,125.92	32.6914879	-103.4466324	1,469.94	0.00	0.00	0.00
11,400.00	90.00	179.43	9,756.00	-1,565.64	272.26	616,334.68	814,126.91	32.6912131	-103.4466319	1,569.94	0.00	0.00	0.00
11,500.00	90.00	179.43	9,756.00	-1,665.63	273.26	616,234.69	814,127.91	32.6909382	-103.4466314	1,669.94	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Total Directional Services, LLC

Survey Report

total

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,600.00	90.00	179.43	9,756.00	-1,765.63	274.25	616,134.69	814,128.90	32.6906634	-103.4466308	1,769.93	0.00	0.00	0.00
11,700.00	90.00	179.43	9,756.00	-1,865.62	275.24	616,034.70	814,129.89	32.6903886	-103.4466303	1,869.93	0.00	0.00	0.00
11,800.00	90.00	179.43	9,756.00	-1,965.62	276.24	615,934.70	814,130.89	32.6901137	-103.4466298	1,969.93	0.00	0.00	0.00
11,900.00	90.00	179.43	9,756.00	-2,065.61	277.23	615,834.71	814,131.88	32.6898389	-103.4466293	2,069.93	0.00	0.00	0.00
12,000.00	90.00	179.43	9,756.00	-2,165.61	278.23	615,734.71	814,132.88	32.6895640	-103.4466288	2,169.93	0.00	0.00	0.00
12,100.00	90.00	179.43	9,756.00	-2,265.60	279.22	615,634.72	814,133.87	32.6892892	-103.4466283	2,269.92	0.00	0.00	0.00
12,200.00	90.00	179.43	9,756.00	-2,365.60	280.22	615,534.72	814,134.87	32.6890143	-103.4466277	2,369.92	0.00	0.00	0.00
12,300.00	90.00	179.43	9,756.00	-2,465.59	281.21	615,434.73	814,135.86	32.6887395	-103.4466272	2,469.92	0.00	0.00	0.00
12,400.00	90.00	179.43	9,756.00	-2,565.59	282.21	615,334.73	814,136.86	32.6884646	-103.4466267	2,569.92	0.00	0.00	0.00
12,500.00	90.00	179.43	9,756.00	-2,665.59	283.20	615,234.74	814,137.85	32.6881898	-103.4466262	2,669.91	0.00	0.00	0.00
12,600.00	90.00	179.43	9,756.00	-2,765.58	284.20	615,134.74	814,138.85	32.6879149	-103.4466257	2,769.91	0.00	0.00	0.00
12,700.00	90.00	179.43	9,756.00	-2,865.58	285.19	615,034.74	814,139.84	32.6876401	-103.4466252	2,869.91	0.00	0.00	0.00
12,800.00	90.00	179.43	9,756.00	-2,965.57	286.19	614,934.75	814,140.84	32.6873652	-103.4466246	2,969.91	0.00	0.00	0.00
12,900.00	90.00	179.43	9,756.00	-3,065.57	287.18	614,834.75	814,141.83	32.6870904	-103.4466241	3,069.91	0.00	0.00	0.00
13,000.00	90.00	179.43	9,756.00	-3,165.56	288.18	614,734.76	814,142.83	32.6868155	-103.4466236	3,169.90	0.00	0.00	0.00
13,100.00	90.00	179.43	9,756.00	-3,265.56	289.17	614,634.76	814,143.82	32.6865407	-103.4466231	3,269.90	0.00	0.00	0.00
13,200.00	90.00	179.43	9,756.00	-3,365.55	290.17	614,534.77	814,144.82	32.6862659	-103.4466226	3,369.90	0.00	0.00	0.00
13,300.00	90.00	179.43	9,756.00	-3,465.55	291.16	614,434.77	814,145.81	32.6859910	-103.4466221	3,469.90	0.00	0.00	0.00
13,400.00	90.00	179.43	9,756.00	-3,565.54	292.16	614,334.78	814,146.81	32.6857162	-103.4466215	3,569.89	0.00	0.00	0.00
13,500.00	90.00	179.43	9,756.00	-3,665.54	293.15	614,234.78	814,147.80	32.6854413	-103.4466210	3,669.89	0.00	0.00	0.00
13,600.00	90.00	179.43	9,756.00	-3,765.53	294.15	614,134.79	814,148.80	32.6851665	-103.4466205	3,769.89	0.00	0.00	0.00
13,700.00	90.00	179.43	9,756.00	-3,865.53	295.14	614,034.79	814,149.79	32.6848916	-103.4466200	3,869.89	0.00	0.00	0.00
13,800.00	90.00	179.43	9,756.00	-3,965.52	296.14	613,934.80	814,150.79	32.6846168	-103.4466195	3,969.89	0.00	0.00	0.00
13,900.00	90.00	179.43	9,756.00	-4,065.52	297.13	613,834.80	814,151.78	32.6843419	-103.4466190	4,069.88	0.00	0.00	0.00
14,000.00	90.00	179.43	9,756.00	-4,165.51	298.13	613,734.81	814,152.78	32.6840671	-103.4466184	4,169.88	0.00	0.00	0.00
14,100.00	90.00	179.43	9,756.00	-4,265.51	299.12	613,634.81	814,153.77	32.6837922	-103.4466179	4,269.88	0.00	0.00	0.00
14,200.00	90.00	179.43	9,756.00	-4,365.50	300.12	613,534.82	814,154.77	32.6835174	-103.4466174	4,369.88	0.00	0.00	0.00
14,300.00	90.00	179.43	9,756.00	-4,465.50	301.11	613,434.82	814,155.76	32.6832425	-103.4466169	4,469.87	0.00	0.00	0.00
14,400.00	90.00	179.43	9,756.00	-4,565.49	302.11	613,334.83	814,156.76	32.6829677	-103.4466164	4,569.87	0.00	0.00	0.00
14,500.00	90.00	179.43	9,756.00	-4,665.49	303.10	613,234.83	814,157.75	32.6826928	-103.4466159	4,669.87	0.00	0.00	0.00
14,600.00	90.00	179.43	9,756.00	-4,765.48	304.09	613,134.84	814,158.74	32.6824180	-103.4466153	4,769.87	0.00	0.00	0.00
14,700.00	90.00	179.43	9,756.00	-4,865.48	305.09	613,034.84	814,159.74	32.6821432	-103.4466148	4,869.87	0.00	0.00	0.00
14,800.00	90.00	179.43	9,756.00	-4,965.47	306.08	612,934.85	814,160.73	32.6818683	-103.4466143	4,969.86	0.00	0.00	0.00
14,900.00	90.00	179.43	9,756.00	-5,065.47	307.08	612,834.85	814,161.73	32.6815935	-103.4466138	5,069.86	0.00	0.00	0.00
15,000.00	90.00	179.43	9,756.00	-5,165.46	308.07	612,734.86	814,162.72	32.6813186	-103.4466133	5,169.86	0.00	0.00	0.00
15,100.00	90.00	179.43	9,756.00	-5,265.46	309.07	612,634.86	814,163.72	32.6810438	-103.4466128	5,269.86	0.00	0.00	0.00
15,200.00	90.00	179.43	9,756.00	-5,365.45	310.06	612,534.87	814,164.71	32.6807689	-103.4466122	5,369.85	0.00	0.00	0.00
15,300.00	90.00	179.43	9,756.00	-5,465.45	311.06	612,434.87	814,165.71	32.6804941	-103.4466117	5,469.85	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Total Directional Services, LLC

Survey Report

total

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Planned Survey

Measured Depth (usft)	INC (°)	AZI (°)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Map Coordinates Northing (usft)	Map Coordinates Easting (usft)	Geo Coordinates Latitude (°)	Geo Coordinates Longitude (°)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,400.00	90.00	179.43	9,756.00	-5,565.44	312.05	612,334.88	814,166.70	32.6802192	-103.4466112	5,569.85	0.00	0.00	0.00
15,500.00	90.00	179.43	9,756.00	-5,665.44	313.05	612,234.88	814,167.70	32.6799444	-103.4466107	5,669.85	0.00	0.00	0.00
15,600.00	90.00	179.43	9,756.00	-5,765.43	314.04	612,134.89	814,168.69	32.6796695	-103.4466102	5,769.85	0.00	0.00	0.00
15,700.00	90.00	179.43	9,756.00	-5,865.43	315.04	612,034.89	814,169.69	32.6793947	-103.4466097	5,869.84	0.00	0.00	0.00
15,800.00	90.00	179.43	9,756.00	-5,965.42	316.03	611,934.90	814,170.68	32.6791198	-103.4466091	5,969.84	0.00	0.00	0.00
15,900.00	90.00	179.43	9,756.00	-6,065.42	317.03	611,834.90	814,171.68	32.6788450	-103.4466086	6,069.84	0.00	0.00	0.00
16,000.00	90.00	179.43	9,756.00	-6,165.41	318.02	611,734.91	814,172.67	32.6785701	-103.4466081	6,169.84	0.00	0.00	0.00
16,100.00	90.00	179.43	9,756.00	-6,265.41	319.02	611,634.91	814,173.67	32.6782953	-103.4466076	6,269.84	0.00	0.00	0.00
16,200.00	90.00	179.43	9,756.00	-6,365.40	320.01	611,534.92	814,174.66	32.6780204	-103.4466071	6,369.83	0.00	0.00	0.00
16,300.00	90.00	179.43	9,756.00	-6,465.40	321.01	611,434.92	814,175.66	32.6777456	-103.4466065	6,469.83	0.00	0.00	0.00
16,400.00	90.00	179.43	9,756.00	-6,565.39	322.00	611,334.93	814,176.65	32.6774708	-103.4466060	6,569.83	0.00	0.00	0.00
16,500.00	90.00	179.43	9,756.00	-6,665.39	323.00	611,234.93	814,177.65	32.6771959	-103.4466055	6,669.83	0.00	0.00	0.00
16,600.00	90.00	179.43	9,756.00	-6,765.38	323.99	611,134.94	814,178.64	32.6769211	-103.4466050	6,769.82	0.00	0.00	0.00
16,700.00	90.00	179.43	9,756.00	-6,865.38	324.99	611,034.94	814,179.64	32.6766462	-103.4466045	6,869.82	0.00	0.00	0.00
16,800.00	90.00	179.43	9,756.00	-6,965.37	325.98	610,934.95	814,180.63	32.6763714	-103.4466040	6,969.82	0.00	0.00	0.00
16,900.00	90.00	179.43	9,756.00	-7,065.37	326.98	610,834.95	814,181.63	32.6760965	-103.4466034	7,069.82	0.00	0.00	0.00
17,000.00	90.00	179.43	9,756.00	-7,165.36	327.97	610,734.96	814,182.62	32.6758217	-103.4466029	7,169.82	0.00	0.00	0.00
17,100.00	90.00	179.43	9,756.00	-7,265.36	328.97	610,634.96	814,183.62	32.6755468	-103.4466024	7,269.81	0.00	0.00	0.00
17,200.00	90.00	179.43	9,756.00	-7,365.35	329.96	610,534.97	814,184.61	32.6752720	-103.4466019	7,369.81	0.00	0.00	0.00
17,300.00	90.00	179.43	9,756.00	-7,465.35	330.95	610,434.97	814,185.60	32.6749971	-103.4466014	7,469.81	0.00	0.00	0.00
17,400.00	90.00	179.43	9,756.00	-7,565.34	331.95	610,334.98	814,186.60	32.6747223	-103.4466009	7,569.81	0.00	0.00	0.00
17,500.00	90.00	179.43	9,756.00	-7,665.34	332.94	610,234.98	814,187.59	32.6744474	-103.4466003	7,669.80	0.00	0.00	0.00
17,600.00	90.00	179.43	9,756.00	-7,765.33	333.94	610,134.99	814,188.59	32.6741726	-103.4465998	7,769.80	0.00	0.00	0.00
17,700.00	90.00	179.43	9,756.00	-7,865.33	334.93	610,034.99	814,189.58	32.6738977	-103.4465993	7,869.80	0.00	0.00	0.00
17,800.00	90.00	179.43	9,756.00	-7,965.32	335.93	609,935.00	814,190.58	32.6736229	-103.4465988	7,969.80	0.00	0.00	0.00
17,900.00	90.00	179.43	9,756.00	-8,065.32	336.92	609,835.00	814,191.57	32.6733480	-103.4465983	8,069.80	0.00	0.00	0.00
18,000.00	90.00	179.43	9,756.00	-8,165.31	337.92	609,735.01	814,192.57	32.6730732	-103.4465978	8,169.79	0.00	0.00	0.00
18,100.00	90.00	179.43	9,756.00	-8,265.31	338.91	609,635.01	814,193.56	32.6727984	-103.4465972	8,269.79	0.00	0.00	0.00
18,200.00	90.00	179.43	9,756.00	-8,365.30	339.91	609,535.02	814,194.56	32.6725235	-103.4465967	8,369.79	0.00	0.00	0.00
18,300.00	90.00	179.43	9,756.00	-8,465.30	340.90	609,435.02	814,195.55	32.6722487	-103.4465962	8,469.79	0.00	0.00	0.00
18,400.00	90.00	179.43	9,756.00	-8,565.29	341.90	609,335.03	814,196.55	32.6719738	-103.4465957	8,569.78	0.00	0.00	0.00
18,471.57	90.00	179.43	9,756.00	-8,636.86	342.61	609,263.46	814,197.26	32.6717771	-103.4465953	8,641.35	0.00	0.00	0.00
TD at 18471.57													

FRANKLIN MOUNTAIN ENERGY

Total Directional Services, LLC

Survey Report

total

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Eagle State Com 502H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3855' GL + 30' KB @ 3885.00usft
Site:	Sec 03-T19S-R35E	**MD Reference:**	3855' GL + 30' KB @ 3885.00usft
Well:	Eagle State Com 502H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #3	**Database:**	EDM 5000.1 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (ESC 502H) - plan misses target center by 200.43usft at 9205.98usft MD (9183.04 TVD, 301.25 N, 253.69 E) - Point	0.00	359.52	9,183.04	300.21	53.26	618,200.54	813,907.91	32.6963462	-103.4472930
FTP (ESC 502H) - plan misses target center by 200.41usft at 9737.55usft MD (9641.57 TVD, 71.86 N, 255.97 E) - Point	0.00	0.00	9,642.02	70.22	55.56	617,970.55	813,910.21	32.6957140	-103.4472918
New PBHL (ESC 502H) - plan hits target center - Point	0.00	359.52	9,756.00	-8,636.86	342.61	609,263.46	814,197.26	32.6717771	-103.4465953

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
30.00	30.00	Cenozoic Alluvium (surface)			
1,809.00	1,809.00	Rustler			
2,044.00	2,044.00	Salado			
2,963.00	2,963.00	Base Salt			
3,363.55	3,363.00	Yates			
3,814.76	3,811.00	Seven Rivers			
4,580.47	4,571.00	Queen			
6,032.31	6,012.00	Cherry Canyon			
7,491.94	7,469.00	Bone Spring Lime			
9,060.94	9,038.00	First Bone Spring Sand			
9,327.86	9,304.00	Second Bone Spring Carbonates			
9,503.07	9,467.00	Second Bone Spring Sand			
10,105.98	9,756.00	HZ Target at Landing			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3000	3000	0	0	Start Build 1.50
3467	3466	22	18	Start 2762.06 hold at 3466.96 MD
6229	6207	279	235	Start Drop -1.50
6696	6673	301	254	Start 2510.00 hold at 6695.98 MD
9206	9183	301	254	Start Build 10.00
10,106	9756	-272	259	Start 8365.59 hold at 10105.98 MD
18,472	9756	-8637	343	TD at 18471.57

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
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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

CONDITIONS

Action 211847

CONDITIONS

Operator: Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	OGRID: 331595
	Action Number: 211847
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	5/1/2023