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District IV
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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

Form C-101
August 1, 2011

Permit 340642

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206	331595
	3. API Number 30-025-51507

4. Property Code	5. Property Name	6. Well No.
333786	TREBLE STATE COM	504H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	34	19S	35E	O	250	S	1625	E	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
A	27	19S	35E	A	130	N	680	E	Lea

9. Pool Information

PEARL;BONE SPRING	49680
PEARL;BONE SPRING, SOUTH	49685

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		State	3688
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
Y	20644	2nd Bone Spring Sand		9/1/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1900	1457	0
Int1	12.25	9.625	40	4000	841	0
Prod	8.75	7	32	9800	477	3000
Prod	8.75	5.5	20	20644	2706	9800

Casing/Cement Program: Additional Comments

Please see attached 14 point plan for additional details and information.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	5000	Cactus

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Rachael A Overbey		Approved By:	Paul F Kautz	
Title:	Project Manager		Title:	Geologist	
Email Address:	roverbey@fmellc.com		Approved Date:	5/25/2023	Expiration Date: 5/25/2025
Date:	5/17/2023	Phone: 303-570-4057	Conditions of Approval Attached		

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OIL CONSERVATION DIVISION
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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
	49680	PEARL;BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
	TREBLE STATE COM	504H

[7] OGRID No.	[8] Operator Name	[9] Elevation
331595	FRANKLIN MOUNTAIN ENERGY 3, LLC	3688.5'

[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
O	34	19S	35E		250	SOUTH	1625	EAST	LEA

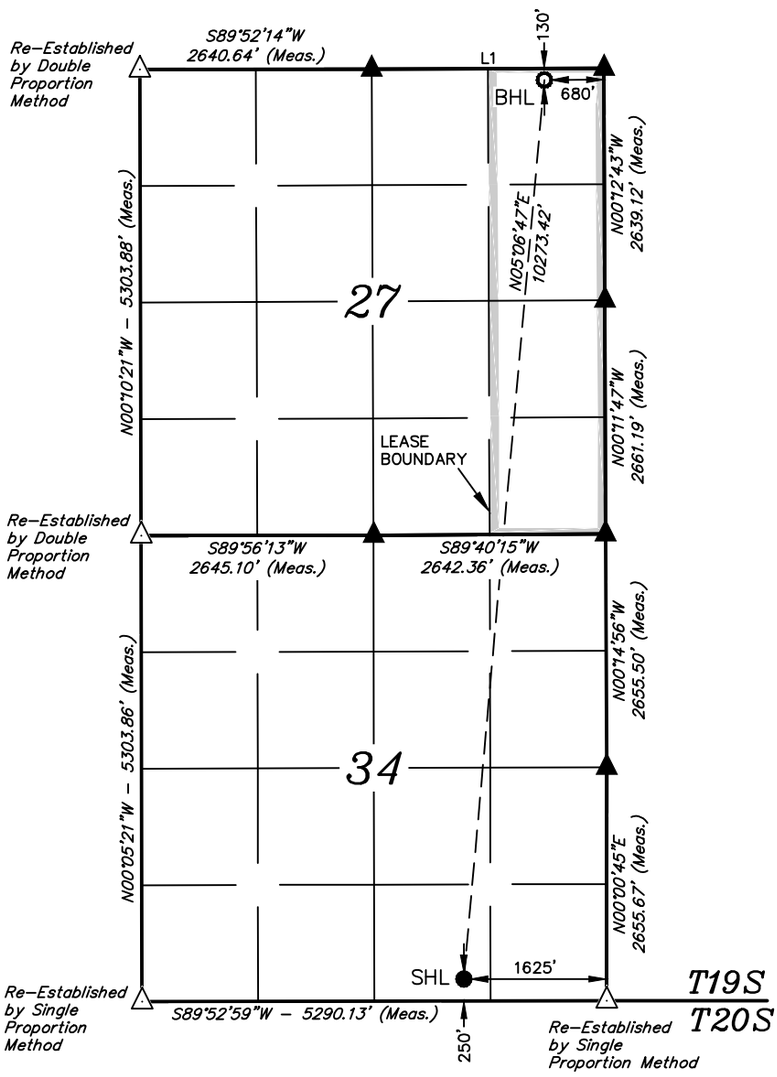
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	27	19S	35E		130	NORTH	680	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160			

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.

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°48'53"W	2643.88'

2000' 1000' 0' 2000'

SCALE

DRAWN BY: L.M.W. 04-12-23

NAD 83 (SURFACE HOLE LOCATION)	NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 32°36'36.87" (32.610243°)	LATITUDE = 32°38'18.07" (32.638352°)
LONGITUDE = -103°26'30.57" (-103.441824°)	LONGITUDE = -103°26'19.36" (-103.438712°)
NAD 27 (SURFACE HOLE LOCATION)	**NAD 27 (BOTTOM HOLE LOCATION)**
LATITUDE = 32°36'36.43" (32.610119°)	LATITUDE = 32°38'17.62" (32.638229°)
LONGITUDE = -103°26'28.81" (-103.441337°)	LONGITUDE = -103°26'17.61" (-103.438224°)
STATE PLANE NAD 83 (N.M. EAST)	**STATE PLANE NAD 83 (N.M. EAST)**
N: 586888.16' E: 815853.39'	N: 597122.88' E: 816725.49'
STATE PLANE NAD 27 (N.M. EAST)	**STATE PLANE NAD 27 (N.M. EAST)**
N: 586825.29' E: 774672.27'	N: 597059.76' E: 775544.69'

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.)

[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 4/18/2023 Date

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.

April 5, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

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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
	449685	PEARL;BONE SPRING, SOUTH

[4] Property Code	[5] Property Name	[6] Well Number
	TREBLE STATE COM	504H

[7] OGRID No.	[8] Operator Name	[9] Elevation
331595	FRANKLIN MOUNTAIN ENERGY 3, LLC	3688.5'

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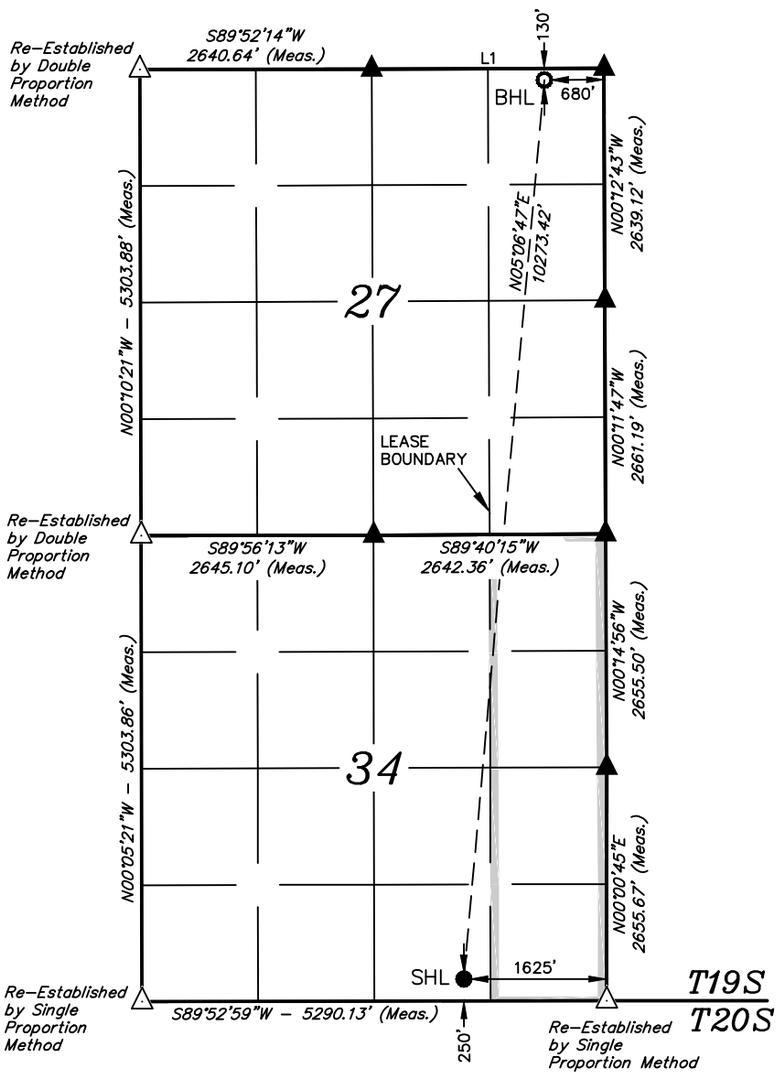

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Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 04-12-23

Certificate Number:

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Santa Fe, NM 87505

Form APD Conditions

Permit 340642

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
Franklin Mountain Energy 3, LLC [331595] 44 Cook Street Denver, CO 80206	30-025-51507
	Well: TREBLE STATE COM #504H

OCD Reviewer	Condition
pkautz	Notify OCD 24 hours prior to casing & cement
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing
pkautz	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

FRANKLIN MOUNTAIN ENERGY

Treble State Com 504H

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)	3,687'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	1,898'	1,819'			Carbonates
Salado	1,643'	2,074'			Salt, Carbonate & Clastics
Base Salt	472'	3,245'			Shaley Carbonate & Shale
Yates	181'	3,536'			Anhydrite/shale
Seven Rivers	-345'	4,062'			Interbedded shale/carbonate
Queen	-954'	4,670'			Sandstone & dolomite & anhydrite
Delaware Mtn Group	-2,416'	6,133'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-4,242'	7,959'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,686'	9,403'			Sandstone - oil/gas/water
Second Bone Spring Carbonate	-5,964'	9,681'			Shale/Carbonates - oil/gas
Second Bone Spring Sand	-6,271'	9,988'			Sandstone - oil/gas/water
HZ Target	-6,671'	10,388'			Sandstone - oil/gas/water
Third Bone Spring Carbonate	-6,837'	10,554'			Shale/Carbonates - oil/gas

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

Upper Permian Sands	0- 400’	Fresh Water
Delaware Sands	6,133’	Oil
1st Bone Spring Sand	9,403’	Oil
2nd Bone Spring Sand	9,988’	Oil
3rd Bone Carbonate	10,554’	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	9800	2.04	2.35	2.48	2.55
0-9,800'											
						CDC-HTQ					
Production 5 1/2"	20	HCP-110	12640	12200	641	667	10844	1.15	2.40	2.02	2.10
9,800'-20,644'						**TVD**	10388				2.17

Tapered production string will be ran with a X-over installed at the KOP of 9,800’.

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	Hole	Casing			Lead					Tail				Excess
Type	Size	Size	Setting Depth	Sacks	Type of cmt	Yield ft3/sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Yield ft3/sk	Water gal/sk	TOC	
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	0-9800	477	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	9800-20644						2706	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	9800	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' – 20644' 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 10,388' TVD (deepest point of the well) is 155F with an estimated maximum bottom-hole pressure (BHP) at the same point of 6,482 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.

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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
30-025-51507	49680	PEARL;BONE SPRING
[4] Property Code	[5] Property Name	[6] Well Number
333786	TREBLE STATE COM	504H
[7] OGRID No.	[8] Operator Name	[9] Elevation
331595	FRANKLIN MOUNTAIN ENERGY 3, LLC	3688.5'

[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
O	34	19S	35E		250	SOUTH	1625	EAST	LEA

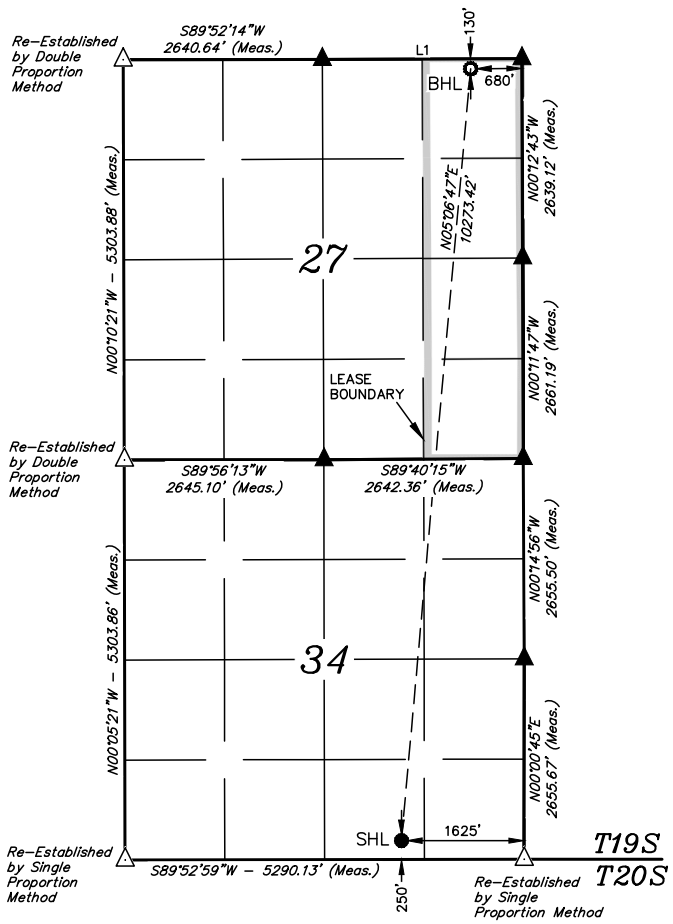
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	27	19S	35E		130	NORTH	680	EAST	LEA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
160			

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.

[16]



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S89°48'53"W	2643.88'

2000' 1000' 0' 2000'

SCALE

DRAWN BY: L.M.W. 04-12-23

NAD 83 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.87" (32.610243°)
LONGITUDE = -103°26'30.57" (-103.441824°)
NAD 27 (SURFACE HOLE LOCATION)
LATITUDE = 32°36'36.43" (32.610119°)
LONGITUDE = -103°26'28.81" (-103.441337°)
STATE PLANE NAD 83 (N.M. EAST)
N: 586888.16' E: 815853.39'
STATE PLANE NAD 27 (N.M. EAST)
N: 586825.29' E: 774672.27'

NAD 83 (BOTTOM HOLE LOCATION)
LATITUDE = 32°38'18.07" (32.638352°)
LONGITUDE = -103°26'19.36" (-103.438712°)
NAD 27 (BOTTOM HOLE LOCATION)
LATITUDE = 32°38'17.62" (32.638229°)
LONGITUDE = -103°26'17.61" (-103.438224°)
STATE PLANE NAD 83 (N.M. EAST)
N: 597122.88' E: 816725.49'
STATE PLANE NAD 27 (N.M. EAST)
N: 597059.76' E: 775544.69'

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.)

[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 4/18/2023 Date

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.

April 5, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

PAUL BUCHELE NEW MEXICO 23782 PROFESSIONAL SURVEYOR 04-12-23

Certificate Number:

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
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☐ AMENDED REPORT

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[1] API Number	[2] Pool Code	[3] Pool Name
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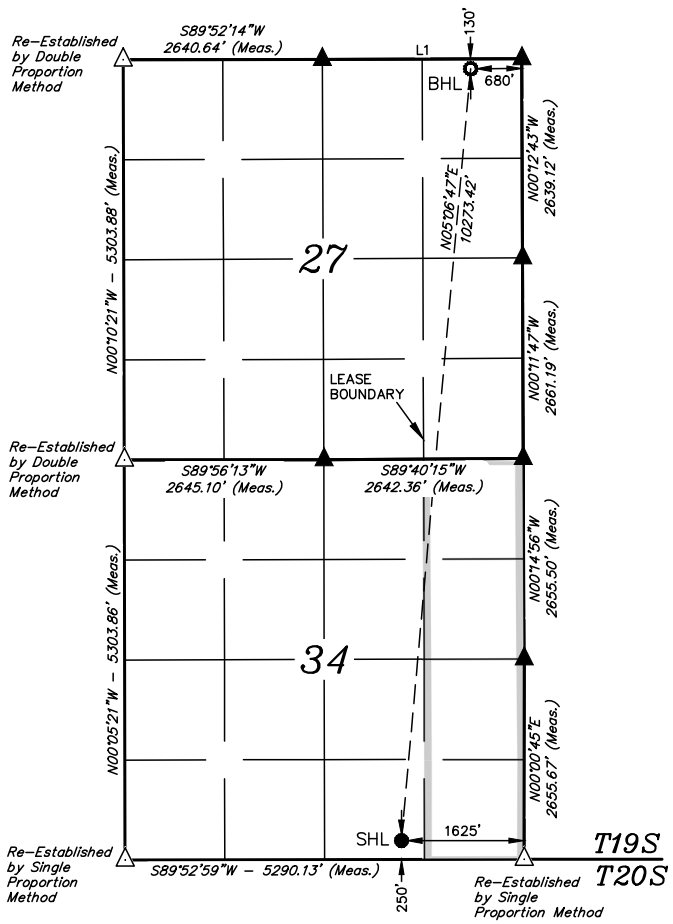

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Signature 4/18/2023 Date

Rachael Overbey
Printed Name

roverbey@fmellc.com
E-mail Address

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April 5, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number:

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: ___Franklin Mountain Energy 3, LLC_____ **OGRID:** ____331595_____ **Date:** __5/_17_/2023

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
See Attached Well List						

IV. Central Delivery Point Name: _____Treble CTB _____ [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
See Attached Well List						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☒ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

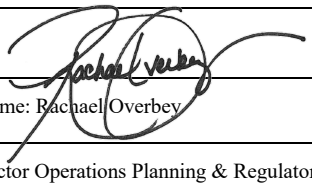
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: 
Printed Name: Rachael Overbey
Title: Director Operations Planning & Regulatory
E-mail Address: roverbey@fmellc.com
Date: 5/17/2023
Phone: 720-414-7868

OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval:

NATURAL GAS MANAGEMENT PLAN

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API 14 Digit	ULSTR	Surface Location FTG	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Treble State Com 301H	30-025-51107	M-34-19S-35E	265 FSL 820 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 302H	30-025-51108	N-34-19S-35E	265 FSL 1845 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 501H	30-025-51122	M-34-19S-35E	265 FSL 795 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 502H	30-025-51123	N-34-19S-35E	265 FSL 1820 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 601H	30-025-51124	M-34-19S-35E	265 FSL 695 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 602H	30-025-51125	N-34-19S-35E	265 FSL 1970 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 701H	30-025-51109	M-34-19S-35E	265 FSL 670 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 702H	30-025-51110	N-34-19S-35E	265 FSL 1945 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 801H	30-025-51111	M-34-19S-35E	265 FSL 720 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 802H	30-025-51112	N-34-19S-35E	265 FSL 1870 FWL	800 +/-	700 +/-	2500 +/-
Treble State Com 303H	TBD	O-34-19S-35E	250 FSL 1425 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 304H	TBD	O-34-19S-35E	250 FSL 1400 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 503H	TBD	O-34-19S-35E	250 FSL 1650 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 504H	TBD	O-34-19S-35E	250 FSL 1625 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 603H	TBD	O-34-19S-35E	250 FSL 1600 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 604H	TBD	O-34-19S-35E	250 FSL 1575 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 703H	TBD	O-34-19S-35E	250 FSL 1550 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 704H	TBD	O-34-19S-35E	250 FSL 1525 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 803H	TBD	O-34-19S-35E	250 FSL 1375 FEL	800 +/-	700 +/-	2500 +/-
Treble State Com 804H	TBD	O-34-19S-35E	250 FSL 1350 FEL	800 +/-	700 +/-	2500 +/-

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API 14 Digit	Spud Date (Batch Drilling)	TD Reached Date	Completion Commencement Date	Initial Flowback Date	First Production Date
Treble State Com 301H	30-025-51107	5/1/2023	8/9/2023	8/24/2023	9/3/2023	9/5/2023
Treble State Com 302H	30-025-51108	6/1/2023	9/9/2023	9/24/2023	10/4/2023	10/6/2023
Treble State Com 501H	30-025-51122	5/1/2023	8/9/2023	8/24/2023	9/3/2023	9/5/2023
Treble State Com 502H	30-025-51123	6/1/2023	9/9/2023	9/24/2023	10/4/2023	10/6/2023
Treble State Com 601H	30-025-51124	5/1/2023	8/9/2023	8/24/2023	9/3/2023	9/5/2023
Treble State Com 602H	30-025-51125	6/1/2023	9/9/2023	9/24/2023	10/4/2023	10/6/2023
Treble State Com 701H	30-025-51109	5/1/2023	8/9/2023	8/24/2023	9/3/2023	9/5/2023
Treble State Com 702H	30-025-51110	6/1/2023	9/9/2023	9/24/2023	10/4/2023	10/6/2023
Treble State Com 801H	30-025-51111	5/1/2023	8/9/2023	8/24/2023	9/3/2023	9/5/2023
Treble State Com 802H	30-025-51112	6/1/2023	9/9/2023	9/24/2023	10/4/2023	10/6/2023
Treble State Com 303H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 304H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 503H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 504H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 603H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 604H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 703H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
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Treble State Com 803H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
Treble State Com 804H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024

FRANKLIN MOUNTAIN ENERGY

Natural Gas Management Plan

Items VI-VIII

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

- Data from surrounding wells is used to generate type curves which provides the basis for expected gas rates during initial production, peak production and then the natural decline.
- Separation equipment will be sized to provide adequate separation for peak production.
- Facility design includes multiple stages of separation to minimize gas waste. Wells flow through a a 3-phase separator to remove gas. Gas from the 3 Phase separators are then sent through a gas scrubber before being route to treatment and/or sales.
- Industry standard sizing calculations are used for gas-liquid separation and liquid-liquid separation.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F 19.15.27.8 NMAC.

- Drilling, completion and production setup is designed to minimize the waste of natural gas and to flare instead of vent.
- *Drilling Operations:*
  - Natural gas encountered will be flared instead of vented unless there is an equipment malfunction and/or to avoid risking safety or the environment.
  - Flares will be properly sized and placed at least 100’ from the nearest surface hole on the pad.
- *Completions/Recompletions Operations:*
  - Flowback operations will not commence until connected to a properly sized gas gathering system.
  - During initial flowback wells are routed to the separation equipment as soon as technically feasible to minimize gas waste.
  - During separation flowback wells are routed to the separation equipment to minimize gas waste.
  - Gas sales is maximized. Gas will be flared instead of vented during an emergency or malfunction to avoid posing a risk to operations or personnel safety.
  - Flares are properly sized with a continuous pilot.
- *Production Operations:*
  - Gas sales will be maximized. Gas will be flared instead of vented during an emergency or malfunction to avoid posing a risk to operations or personnel safety.
  - After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- *Performance Standards:*
  - The facility will be designed to handle peak production rates and pressures.
  - All tanks will have automatic gauging equipment.
  - Flares will be designed to ensure proper combustion and will have continuous pilots. Flares will be located 100’ from nearest surface hole on the pad and storage tanks.
  - Weekly AVOs will be performed, and any leaking thief hatches will be cleaned and properly re-sealed.
- *Measurement and Calibration:*

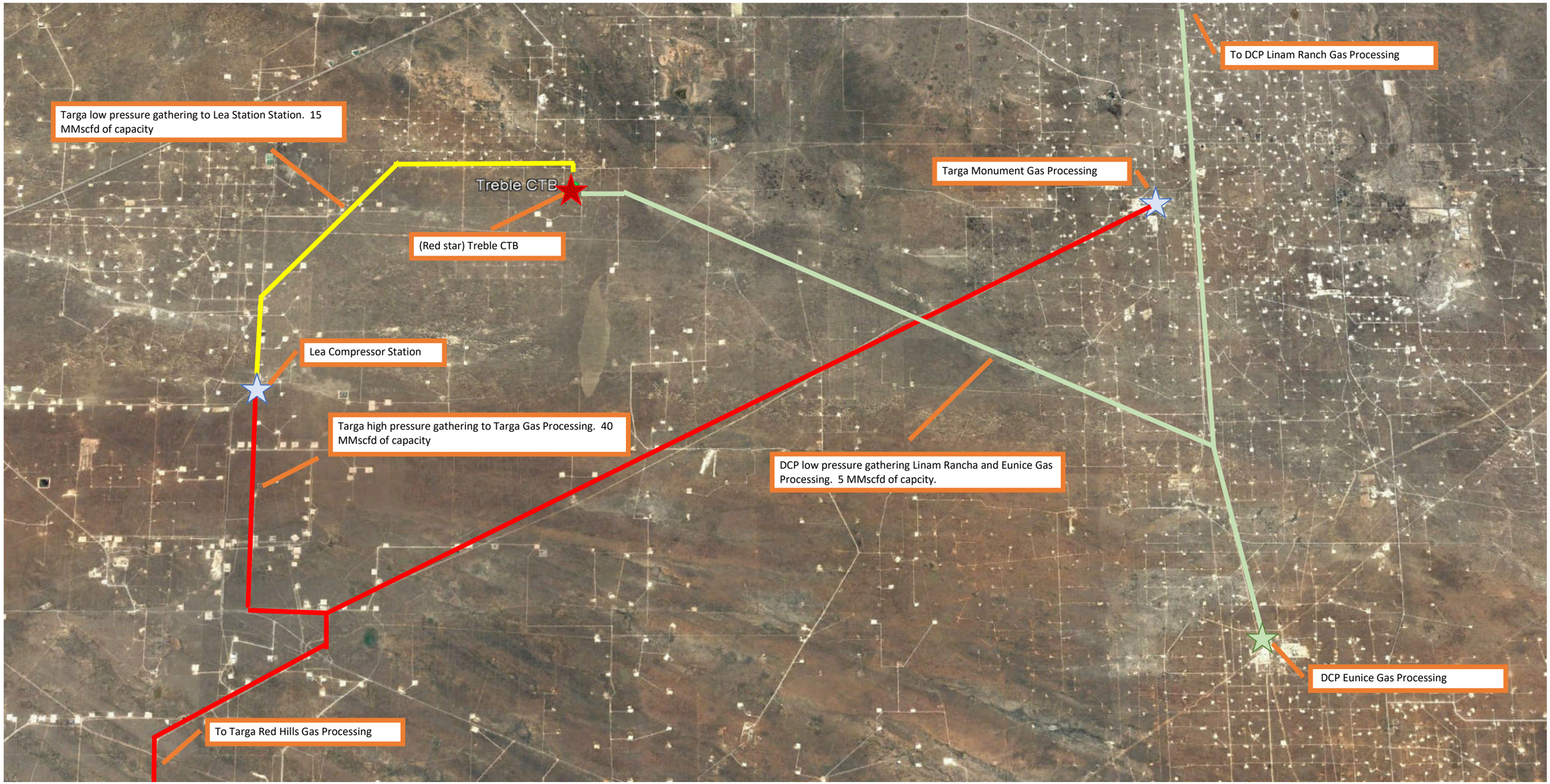
FRANKLIN MOUNTAIN ENERGY

- All volume that is flared and vented that is not measured will be estimated.
- When metering is not practical due to low pressure/rate, all vented or flared volumes will be estimated.
- Measurement will conform to industry standards. Measurement will not be bypassed except for purposes of inspection or calibration.

VIII. Best Management Practices: Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

- Venting will be minimized during active and planned maintenance.
- Systems and equipment requiring maintenance will be isolated and blown down to sales and then flare before any remaining gas is vented in an effort to minimize waste and venting.
- Downhole maintenance will use best management practices to minimize vent.

Treble NGMP Map
Feb 2023
- Capacities reflected are FME's understanding of 3rd party midstream system capacities



Franklin Mountain Energy

Lea Co., NM (NAD-83)
Treble East Pad
Treble State Com 504H

OH

Plan: Plan 1

Standard Planning Report

16 May, 2023

Plan #1

FRANKLIN MOUNTAIN ENERGY

Project: Lea Co., NM (NAD-83)
Site: Treble East Pad
Well: Treble State Com 504H
Wellbore: OH
Design: Plan 1
Lat: 32.610243
Long: -103.441824
GL: 3687.00
KB: KB=30' @ 3717.00usft

ALTITUDE ENERGY PARTNERS

WELL DETAILS: Treble State Com 504H

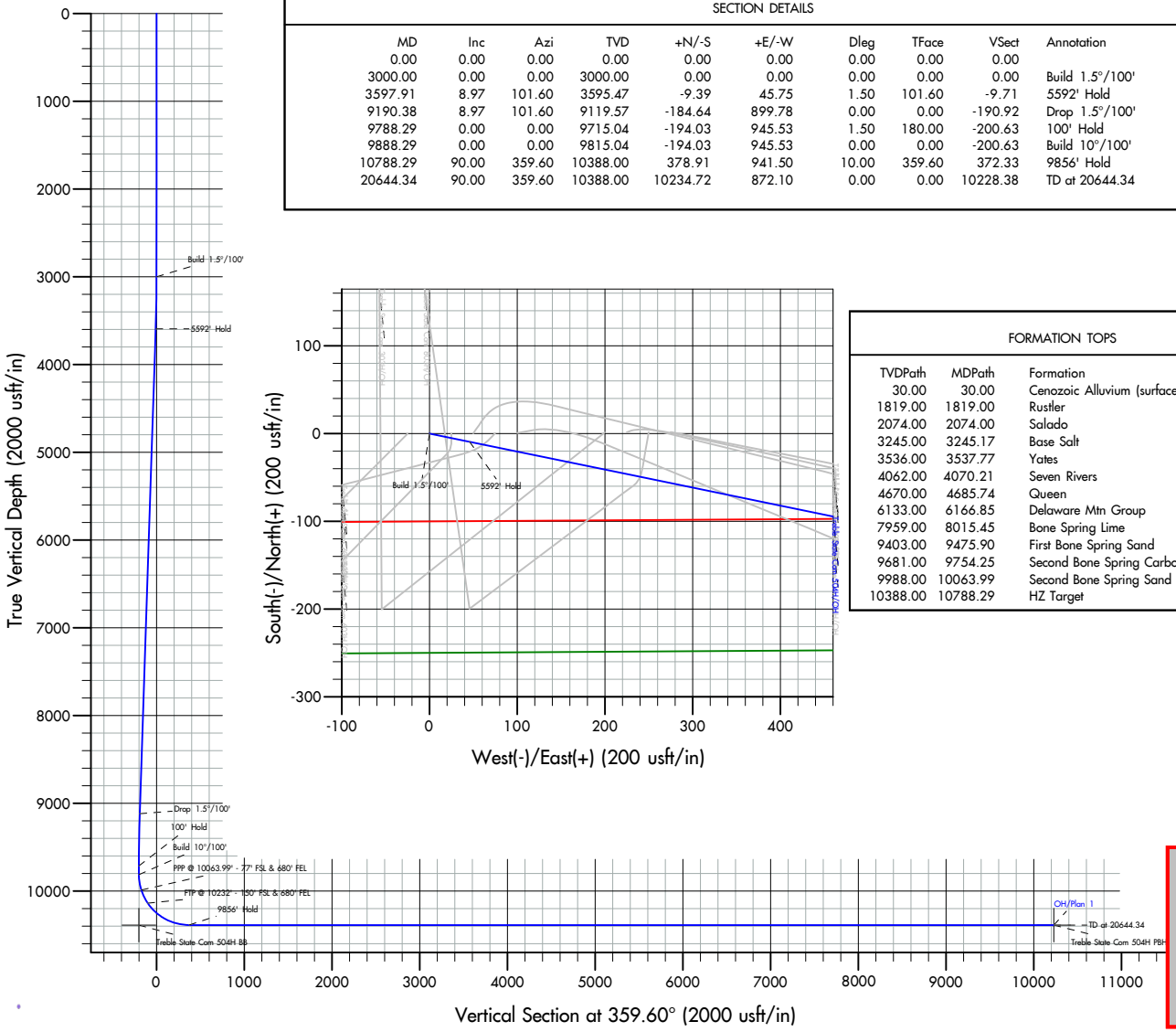
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	586888.16	815853.39	32.610243	-103.441824

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Treble State Com 504H BB	10388.00	-194.03	945.53	586694.13	816798.92	Point
Treble State Com 504H PBHL	10388.00	10234.72	872.10	597122.88	816725.49	Point

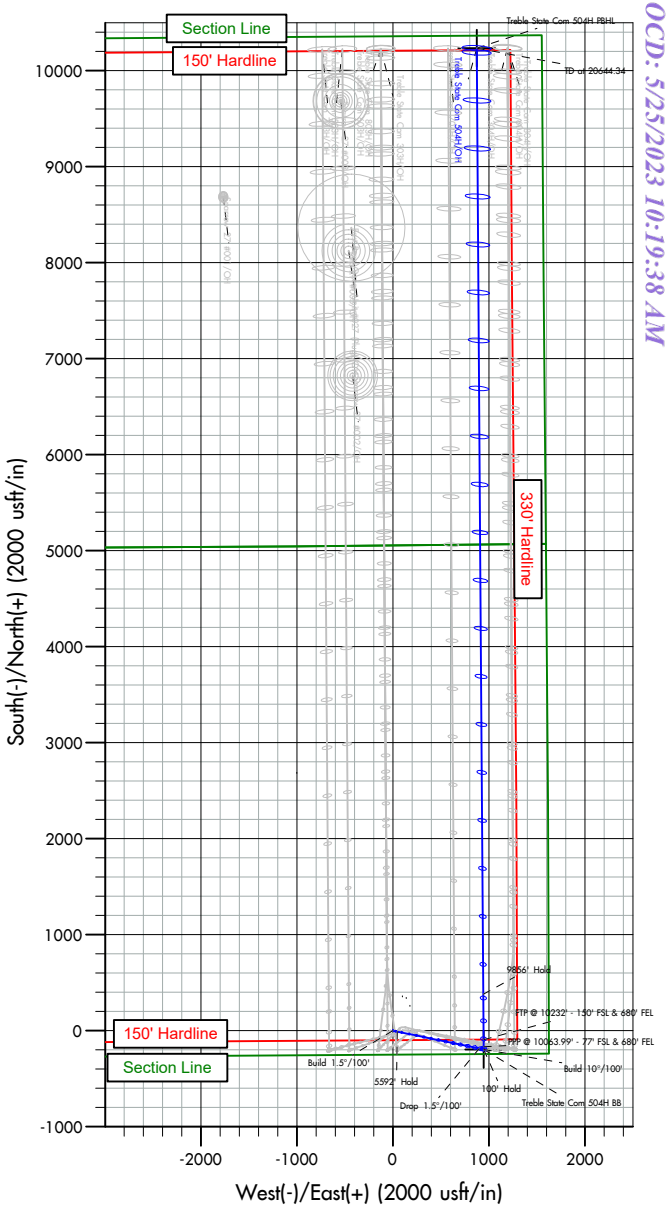
SECTION DETAILS

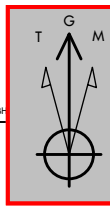
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	Build 1.5°/100'
3597.91	8.97	101.60	3595.47	-9.39	45.75	1.50	101.60	-9.71	5592' Hold
9190.38	8.97	101.60	9119.57	-184.64	899.78	0.00	0.00	-190.92	Drop 1.5°/100'
9788.29	0.00	0.00	9715.04	-194.03	945.53	1.50	180.00	-200.63	100' Hold
9888.29	0.00	0.00	9815.04	-194.03	945.53	0.00	0.00	-200.63	Build 10°/100'
10788.29	90.00	359.60	10388.00	378.91	941.50	10.00	359.60	372.33	9856' Hold
20644.34	90.00	359.60	10388.00	10234.72	872.10	0.00	0.00	10228.38	TD at 20644.34



FORMATION TOPS

TVDPath	MDPath	Formation
30.00	30.00	Cenozoic Alluvium (surface)
1819.00	1819.00	Rustler
2074.00	2074.00	Salado
3245.00	3245.17	Base Salt
3536.00	3537.77	Yates
4062.00	4070.21	Seven Rivers
4670.00	4685.74	Queen
6133.00	6166.85	Delaware Mtn Group
7959.00	8015.45	Bone Spring Lime
9403.00	9475.90	First Bone Spring Sand
9681.00	9754.25	Second Bone Spring Carbonate
9988.00	10063.99	Second Bone Spring Sand
10388.00	10788.29	HZ Target





Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.75°

Magnetic Field
Strength: 47650.8nT
Dip Angle: 60.42°
Date: 5/16/2023
Model: HRGM

Plan: Plan 1 (Treble State Com 504H/OH)

Created By: Dusty Moyer Date: 19:09, May 16 2023

Altitude Energy Partners
Planning Report

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Project Lea Co., 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 Treble East Pad

Site Position:		**Northing:**	586,889.42 usft	**Latitude:**	32.610242
From:	Map	**Easting:**	816,053.35 usft	**Longitude:**	-103.441175
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well Treble State Com 504H

Well Position	**+N/-S**	0.00 usft	**Northing:**	586,888.16 usft	**Latitude:**	32.610243
	+E/-W	0.00 usft	**Easting:**	815,853.39 usft	**Longitude:**	-103.441824
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,687.00 usft
Grid Convergence:		0.48 °				

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	5/16/2023	6.23	60.42	47,650.83279128

Design Plan 1

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	359.60

Plan Survey Tool Program **Date** 5/16/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	20,644.35	Plan 1 (OH)	MWD+HDGM	
				OWSG MWD + HRGM	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,597.91	8.97	101.60	3,595.47	-9.39	45.75	1.50	1.50	0.00	101.60	
9,190.38	8.97	101.60	9,119.57	-184.64	899.78	0.00	0.00	0.00	0.00	
9,788.29	0.00	0.00	9,715.04	-194.03	945.53	1.50	-1.50	0.00	180.00	
9,888.29	0.00	0.00	9,815.04	-194.03	945.53	0.00	0.00	0.00	0.00	
10,788.29	90.00	359.60	10,388.00	378.91	941.50	10.00	10.00	0.00	359.60	
20,644.35	90.00	359.60	10,388.00	10,234.72	872.10	0.00	0.00	0.00	0.00	Treble State Com 5

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Planning Report

ALTITUDE ENERGY PARTNERS

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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
30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00
Cenozoic Alluvium (surface)									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,819.00	0.00	0.00	1,819.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler									
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,074.00	0.00	0.00	2,074.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1.5°/100'									
3,100.00	1.50	101.60	3,099.99	-0.26	1.28	-0.27	1.50	1.50	0.00
3,200.00	3.00	101.60	3,199.91	-1.05	5.13	-1.09	1.50	1.50	0.00
3,245.17	3.68	101.60	3,245.00	-1.58	7.70	-1.63	1.50	1.50	0.00
Base Salt									
3,300.00	4.50	101.60	3,299.69	-2.37	11.53	-2.45	1.50	1.50	0.00
3,400.00	6.00	101.60	3,399.27	-4.21	20.50	-4.35	1.50	1.50	0.00
3,500.00	7.50	101.60	3,498.57	-6.57	32.01	-6.79	1.50	1.50	0.00
3,537.77	8.07	101.60	3,536.00	-7.60	37.02	-7.86	1.50	1.50	0.00
Yates									
3,597.91	8.97	101.60	3,595.47	-9.39	45.75	-9.71	1.50	1.50	0.00
5592' Hold									
3,600.00	8.97	101.60	3,597.54	-9.45	46.07	-9.77	0.00	0.00	0.00
3,700.00	8.97	101.60	3,696.31	-12.59	61.34	-13.01	0.00	0.00	0.00
3,800.00	8.97	101.60	3,795.09	-15.72	76.61	-16.26	0.00	0.00	0.00
3,900.00	8.97	101.60	3,893.87	-18.85	91.88	-19.50	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners
Planning Report

ALTITUDE ENERGY PARTNERS

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
4,000.00	8.97	101.60	3,992.65	-21.99	107.15	-22.74	0.00	0.00	0.00
4,070.21	8.97	101.60	4,062.00	-24.19	117.87	-25.01	0.00	0.00	0.00
Seven Rivers									
4,100.00	8.97	101.60	4,091.42	-25.12	122.42	-25.98	0.00	0.00	0.00
4,200.00	8.97	101.60	4,190.20	-28.26	137.69	-29.22	0.00	0.00	0.00
4,300.00	8.97	101.60	4,288.98	-31.39	152.96	-32.46	0.00	0.00	0.00
4,400.00	8.97	101.60	4,387.75	-34.52	168.24	-35.70	0.00	0.00	0.00
4,500.00	8.97	101.60	4,486.53	-37.66	183.51	-38.94	0.00	0.00	0.00
4,600.00	8.97	101.60	4,585.31	-40.79	198.78	-42.18	0.00	0.00	0.00
4,685.74	8.97	101.60	4,670.00	-43.48	211.87	-44.96	0.00	0.00	0.00
Queen									
4,700.00	8.97	101.60	4,684.09	-43.92	214.05	-45.42	0.00	0.00	0.00
4,800.00	8.97	101.60	4,782.86	-47.06	229.32	-48.66	0.00	0.00	0.00
4,900.00	8.97	101.60	4,881.64	-50.19	244.59	-51.90	0.00	0.00	0.00
5,000.00	8.97	101.60	4,980.42	-53.33	259.86	-55.14	0.00	0.00	0.00
5,100.00	8.97	101.60	5,079.20	-56.46	275.13	-58.38	0.00	0.00	0.00
5,200.00	8.97	101.60	5,177.97	-59.59	290.41	-61.62	0.00	0.00	0.00
5,300.00	8.97	101.60	5,276.75	-62.73	305.68	-64.86	0.00	0.00	0.00
5,400.00	8.97	101.60	5,375.53	-65.86	320.95	-68.10	0.00	0.00	0.00
5,500.00	8.97	101.60	5,474.31	-68.99	336.22	-71.34	0.00	0.00	0.00
5,600.00	8.97	101.60	5,573.08	-72.13	351.49	-74.58	0.00	0.00	0.00
5,700.00	8.97	101.60	5,671.86	-75.26	366.76	-77.82	0.00	0.00	0.00
5,800.00	8.97	101.60	5,770.64	-78.40	382.03	-81.06	0.00	0.00	0.00
5,900.00	8.97	101.60	5,869.42	-81.53	397.30	-84.30	0.00	0.00	0.00
6,000.00	8.97	101.60	5,968.19	-84.66	412.57	-87.54	0.00	0.00	0.00
6,100.00	8.97	101.60	6,066.97	-87.80	427.85	-90.78	0.00	0.00	0.00
6,166.85	8.97	101.60	6,133.00	-89.89	438.05	-92.95	0.00	0.00	0.00
Delaware Mtn Group									
6,200.00	8.97	101.60	6,165.75	-90.93	443.12	-94.02	0.00	0.00	0.00
6,300.00	8.97	101.60	6,264.53	-94.06	458.39	-97.26	0.00	0.00	0.00
6,400.00	8.97	101.60	6,363.30	-97.20	473.66	-100.50	0.00	0.00	0.00
6,500.00	8.97	101.60	6,462.08	-100.33	488.93	-103.74	0.00	0.00	0.00
6,600.00	8.97	101.60	6,560.86	-103.47	504.20	-106.98	0.00	0.00	0.00
6,700.00	8.97	101.60	6,659.63	-106.60	519.47	-110.22	0.00	0.00	0.00
6,800.00	8.97	101.60	6,758.41	-109.73	534.74	-113.46	0.00	0.00	0.00
6,900.00	8.97	101.60	6,857.19	-112.87	550.01	-116.70	0.00	0.00	0.00
7,000.00	8.97	101.60	6,955.97	-116.00	565.29	-119.94	0.00	0.00	0.00
7,100.00	8.97	101.60	7,054.74	-119.13	580.56	-123.18	0.00	0.00	0.00
7,200.00	8.97	101.60	7,153.52	-122.27	595.83	-126.43	0.00	0.00	0.00
7,300.00	8.97	101.60	7,252.30	-125.40	611.10	-129.67	0.00	0.00	0.00
7,400.00	8.97	101.60	7,351.08	-128.54	626.37	-132.91	0.00	0.00	0.00
7,500.00	8.97	101.60	7,449.85	-131.67	641.64	-136.15	0.00	0.00	0.00
7,600.00	8.97	101.60	7,548.63	-134.80	656.91	-139.39	0.00	0.00	0.00
7,700.00	8.97	101.60	7,647.41	-137.94	672.18	-142.63	0.00	0.00	0.00
7,800.00	8.97	101.60	7,746.19	-141.07	687.46	-145.87	0.00	0.00	0.00
7,900.00	8.97	101.60	7,844.96	-144.20	702.73	-149.11	0.00	0.00	0.00
8,000.00	8.97	101.60	7,943.74	-147.34	718.00	-152.35	0.00	0.00	0.00
8,015.45	8.97	101.60	7,959.00	-147.82	720.36	-152.85	0.00	0.00	0.00
Bone Spring Lime									
8,100.00	8.97	101.60	8,042.52	-150.47	733.27	-155.59	0.00	0.00	0.00
8,200.00	8.97	101.60	8,141.30	-153.61	748.54	-158.83	0.00	0.00	0.00
8,300.00	8.97	101.60	8,240.07	-156.74	763.81	-162.07	0.00	0.00	0.00
8,400.00	8.97	101.60	8,338.85	-159.87	779.08	-165.31	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners
Planning Report

ALTITUDE ENERGY PARTNERS

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Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
8,500.00	8.97	101.60	8,437.63	-163.01	794.35	-168.55	0.00	0.00	0.00
8,600.00	8.97	101.60	8,536.41	-166.14	809.62	-171.79	0.00	0.00	0.00
8,700.00	8.97	101.60	8,635.18	-169.27	824.90	-175.03	0.00	0.00	0.00
8,800.00	8.97	101.60	8,733.96	-172.41	840.17	-178.27	0.00	0.00	0.00
8,900.00	8.97	101.60	8,832.74	-175.54	855.44	-181.51	0.00	0.00	0.00
9,000.00	8.97	101.60	8,931.51	-178.68	870.71	-184.75	0.00	0.00	0.00
9,100.00	8.97	101.60	9,030.29	-181.81	885.98	-187.99	0.00	0.00	0.00
9,190.38	8.97	101.60	9,119.57	-184.64	899.78	-190.92	0.00	0.00	0.00
Drop 1.5°/100'									
9,200.00	8.82	101.60	9,129.07	-184.94	901.24	-191.23	1.50	-1.50	0.00
9,300.00	7.32	101.60	9,228.08	-187.76	915.00	-194.15	1.50	-1.50	0.00
9,400.00	5.82	101.60	9,327.42	-190.07	926.21	-196.53	1.50	-1.50	0.00
9,475.90	4.69	101.60	9,403.00	-191.46	933.02	-197.97	1.50	-1.50	0.00
First Bone Spring Sand									
9,500.00	4.32	101.60	9,427.02	-191.84	934.88	-198.37	1.50	-1.50	0.00
9,600.00	2.82	101.60	9,526.82	-193.10	940.98	-199.66	1.50	-1.50	0.00
9,700.00	1.32	101.60	9,626.76	-193.82	944.53	-200.41	1.50	-1.50	0.00
9,754.25	0.51	101.60	9,681.00	-194.00	945.38	-200.59	1.50	-1.50	0.00
Second Bone Spring Carbonate									
9,788.29	0.00	0.00	9,715.04	-194.03	945.53	-200.63	1.50	-1.50	-298.48
100' Hold									
9,800.00	0.00	0.00	9,726.75	-194.03	945.53	-200.63	0.00	0.00	0.00
9,888.29	0.00	0.00	9,815.04	-194.03	945.53	-200.63	0.00	0.00	0.00
Build 10°/100'									
9,900.00	1.17	359.60	9,826.75	-193.91	945.53	-200.51	10.00	10.00	0.00
9,950.00	6.17	359.60	9,876.63	-190.71	945.51	-197.31	10.00	10.00	0.00
10,000.00	11.17	359.60	9,926.04	-183.18	945.45	-189.77	10.00	10.00	0.00
10,050.00	16.17	359.60	9,974.61	-171.36	945.37	-177.96	10.00	10.00	0.00
10,063.99	17.57	359.60	9,988.00	-167.30	945.34	-173.90	10.00	10.00	0.00
PPP @ 10063.99' - 77' FSL & 680' FEL - Second Bone Spring Sand									
10,100.00	21.17	359.60	10,021.96	-155.36	945.26	-161.96	10.00	10.00	0.00
10,150.00	26.17	359.60	10,067.74	-135.29	945.12	-141.89	10.00	10.00	0.00
10,200.00	31.17	359.60	10,111.60	-111.31	944.95	-117.91	10.00	10.00	0.00
10,232.00	34.37	359.60	10,138.50	-94.00	944.83	-100.59	10.00	10.00	0.00
FTP @ 10232' - 150' FSL & 680' FEL									
10,250.00	36.17	359.60	10,153.20	-83.60	944.75	-90.20	10.00	10.00	0.00
10,300.00	41.17	359.60	10,192.22	-52.37	944.53	-58.96	10.00	10.00	0.00
10,350.00	46.17	359.60	10,228.38	-17.86	944.29	-24.45	10.00	10.00	0.00
10,400.00	51.17	359.60	10,261.39	19.68	944.03	13.08	10.00	10.00	0.00
10,450.00	56.17	359.60	10,291.00	59.94	943.74	53.35	10.00	10.00	0.00
10,500.00	61.17	359.60	10,316.99	102.64	943.44	96.05	10.00	10.00	0.00
10,550.00	66.17	359.60	10,339.16	147.44	943.13	140.85	10.00	10.00	0.00
10,600.00	71.17	359.60	10,357.34	194.00	942.80	187.41	10.00	10.00	0.00
10,650.00	76.17	359.60	10,371.39	241.96	942.46	235.38	10.00	10.00	0.00
10,700.00	81.17	359.60	10,381.21	290.97	942.12	284.39	10.00	10.00	0.00
10,750.00	86.17	359.60	10,386.72	340.65	941.77	334.07	10.00	10.00	0.00
10,788.29	90.00	359.60	10,388.00	378.91	941.50	372.33	10.00	10.00	0.00
9856' Hold - HZ Target									
10,800.00	90.00	359.60	10,388.00	390.62	941.41	384.04	0.00	0.00	0.00
10,900.00	90.00	359.60	10,388.00	490.62	940.71	484.04	0.00	0.00	0.00
11,000.00	90.00	359.60	10,388.00	590.61	940.01	584.04	0.00	0.00	0.00
11,100.00	90.00	359.60	10,388.00	690.61	939.30	684.04	0.00	0.00	0.00
11,200.00	90.00	359.60	10,388.00	790.61	938.60	784.04	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Planning Report

ALTITUDE ENERGY PARTNERS

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
11,300.00	90.00	359.60	10,388.00	890.61	937.89	884.04	0.00	0.00	0.00
11,400.00	90.00	359.60	10,388.00	990.60	937.19	984.04	0.00	0.00	0.00
11,500.00	90.00	359.60	10,388.00	1,090.60	936.48	1,084.04	0.00	0.00	0.00
11,600.00	90.00	359.60	10,388.00	1,190.60	935.78	1,184.04	0.00	0.00	0.00
11,700.00	90.00	359.60	10,388.00	1,290.60	935.08	1,284.04	0.00	0.00	0.00
11,800.00	90.00	359.60	10,388.00	1,390.59	934.37	1,384.04	0.00	0.00	0.00
11,900.00	90.00	359.60	10,388.00	1,490.59	933.67	1,484.04	0.00	0.00	0.00
12,000.00	90.00	359.60	10,388.00	1,590.59	932.96	1,584.04	0.00	0.00	0.00
12,100.00	90.00	359.60	10,388.00	1,690.59	932.26	1,684.04	0.00	0.00	0.00
12,200.00	90.00	359.60	10,388.00	1,790.58	931.56	1,784.04	0.00	0.00	0.00
12,300.00	90.00	359.60	10,388.00	1,890.58	930.85	1,884.04	0.00	0.00	0.00
12,400.00	90.00	359.60	10,388.00	1,990.58	930.15	1,984.04	0.00	0.00	0.00
12,500.00	90.00	359.60	10,388.00	2,090.58	929.44	2,084.04	0.00	0.00	0.00
12,600.00	90.00	359.60	10,388.00	2,190.57	928.74	2,184.04	0.00	0.00	0.00
12,700.00	90.00	359.60	10,388.00	2,290.57	928.04	2,284.04	0.00	0.00	0.00
12,800.00	90.00	359.60	10,388.00	2,390.57	927.33	2,384.04	0.00	0.00	0.00
12,900.00	90.00	359.60	10,388.00	2,490.57	926.63	2,484.04	0.00	0.00	0.00
13,000.00	90.00	359.60	10,388.00	2,590.56	925.92	2,584.04	0.00	0.00	0.00
13,100.00	90.00	359.60	10,388.00	2,690.56	925.22	2,684.04	0.00	0.00	0.00
13,200.00	90.00	359.60	10,388.00	2,790.56	924.52	2,784.04	0.00	0.00	0.00
13,300.00	90.00	359.60	10,388.00	2,890.56	923.81	2,884.04	0.00	0.00	0.00
13,400.00	90.00	359.60	10,388.00	2,990.55	923.11	2,984.04	0.00	0.00	0.00
13,500.00	90.00	359.60	10,388.00	3,090.55	922.40	3,084.04	0.00	0.00	0.00
13,600.00	90.00	359.60	10,388.00	3,190.55	921.70	3,184.04	0.00	0.00	0.00
13,700.00	90.00	359.60	10,388.00	3,290.55	920.99	3,284.04	0.00	0.00	0.00
13,800.00	90.00	359.60	10,388.00	3,390.54	920.29	3,384.04	0.00	0.00	0.00
13,900.00	90.00	359.60	10,388.00	3,490.54	919.59	3,484.04	0.00	0.00	0.00
14,000.00	90.00	359.60	10,388.00	3,590.54	918.88	3,584.04	0.00	0.00	0.00
14,100.00	90.00	359.60	10,388.00	3,690.54	918.18	3,684.04	0.00	0.00	0.00
14,200.00	90.00	359.60	10,388.00	3,790.53	917.47	3,784.04	0.00	0.00	0.00
14,300.00	90.00	359.60	10,388.00	3,890.53	916.77	3,884.04	0.00	0.00	0.00
14,400.00	90.00	359.60	10,388.00	3,990.53	916.07	3,984.04	0.00	0.00	0.00
14,500.00	90.00	359.60	10,388.00	4,090.53	915.36	4,084.04	0.00	0.00	0.00
14,600.00	90.00	359.60	10,388.00	4,190.52	914.66	4,184.04	0.00	0.00	0.00
14,700.00	90.00	359.60	10,388.00	4,290.52	913.95	4,284.04	0.00	0.00	0.00
14,800.00	90.00	359.60	10,388.00	4,390.52	913.25	4,384.04	0.00	0.00	0.00
14,900.00	90.00	359.60	10,388.00	4,490.52	912.55	4,484.04	0.00	0.00	0.00
15,000.00	90.00	359.60	10,388.00	4,590.52	911.84	4,584.04	0.00	0.00	0.00
15,100.00	90.00	359.60	10,388.00	4,690.51	911.14	4,684.04	0.00	0.00	0.00
15,200.00	90.00	359.60	10,388.00	4,790.51	910.43	4,784.04	0.00	0.00	0.00
15,300.00	90.00	359.60	10,388.00	4,890.51	909.73	4,884.04	0.00	0.00	0.00
15,400.00	90.00	359.60	10,388.00	4,990.51	909.03	4,984.04	0.00	0.00	0.00
15,500.00	90.00	359.60	10,388.00	5,090.50	908.32	5,084.04	0.00	0.00	0.00
15,600.00	90.00	359.60	10,388.00	5,190.50	907.62	5,184.04	0.00	0.00	0.00
15,700.00	90.00	359.60	10,388.00	5,290.50	906.91	5,284.04	0.00	0.00	0.00
15,800.00	90.00	359.60	10,388.00	5,390.50	906.21	5,384.04	0.00	0.00	0.00
15,900.00	90.00	359.60	10,388.00	5,490.49	905.50	5,484.04	0.00	0.00	0.00
16,000.00	90.00	359.60	10,388.00	5,590.49	904.80	5,584.04	0.00	0.00	0.00
16,100.00	90.00	359.60	10,388.00	5,690.49	904.10	5,684.04	0.00	0.00	0.00
16,200.00	90.00	359.60	10,388.00	5,790.49	903.39	5,784.04	0.00	0.00	0.00
16,300.00	90.00	359.60	10,388.00	5,890.48	902.69	5,884.04	0.00	0.00	0.00
16,400.00	90.00	359.60	10,388.00	5,990.48	901.98	5,984.04	0.00	0.00	0.00
16,500.00	90.00	359.60	10,388.00	6,090.48	901.28	6,084.04	0.00	0.00	0.00
16,600.00	90.00	359.60	10,388.00	6,190.48	900.58	6,184.04	0.00	0.00	0.00

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners
Planning Report

ALTITUDE ENERGY PARTNERS

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned 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)
16,700.00	90.00	359.60	10,388.00	6,290.47	899.87	6,284.04	0.00	0.00	0.00
16,800.00	90.00	359.60	10,388.00	6,390.47	899.17	6,384.04	0.00	0.00	0.00
16,900.00	90.00	359.60	10,388.00	6,490.47	898.46	6,484.04	0.00	0.00	0.00
17,000.00	90.00	359.60	10,388.00	6,590.47	897.76	6,584.04	0.00	0.00	0.00
17,100.00	90.00	359.60	10,388.00	6,690.46	897.06	6,684.04	0.00	0.00	0.00
17,200.00	90.00	359.60	10,388.00	6,790.46	896.35	6,784.04	0.00	0.00	0.00
17,300.00	90.00	359.60	10,388.00	6,890.46	895.65	6,884.04	0.00	0.00	0.00
17,400.00	90.00	359.60	10,388.00	6,990.46	894.94	6,984.04	0.00	0.00	0.00
17,500.00	90.00	359.60	10,388.00	7,090.45	894.24	7,084.04	0.00	0.00	0.00
17,600.00	90.00	359.60	10,388.00	7,190.45	893.54	7,184.04	0.00	0.00	0.00
17,700.00	90.00	359.60	10,388.00	7,290.45	892.83	7,284.04	0.00	0.00	0.00
17,800.00	90.00	359.60	10,388.00	7,390.45	892.13	7,384.04	0.00	0.00	0.00
17,900.00	90.00	359.60	10,388.00	7,490.44	891.42	7,484.04	0.00	0.00	0.00
18,000.00	90.00	359.60	10,388.00	7,590.44	890.72	7,584.04	0.00	0.00	0.00
18,100.00	90.00	359.60	10,388.00	7,690.44	890.01	7,684.04	0.00	0.00	0.00
18,200.00	90.00	359.60	10,388.00	7,790.44	889.31	7,784.04	0.00	0.00	0.00
18,300.00	90.00	359.60	10,388.00	7,890.43	888.61	7,884.04	0.00	0.00	0.00
18,400.00	90.00	359.60	10,388.00	7,990.43	887.90	7,984.04	0.00	0.00	0.00
18,500.00	90.00	359.60	10,388.00	8,090.43	887.20	8,084.04	0.00	0.00	0.00
18,600.00	90.00	359.60	10,388.00	8,190.43	886.49	8,184.04	0.00	0.00	0.00
18,700.00	90.00	359.60	10,388.00	8,290.42	885.79	8,284.04	0.00	0.00	0.00
18,800.00	90.00	359.60	10,388.00	8,390.42	885.09	8,384.04	0.00	0.00	0.00
18,900.00	90.00	359.60	10,388.00	8,490.42	884.38	8,484.04	0.00	0.00	0.00
19,000.00	90.00	359.60	10,388.00	8,590.42	883.68	8,584.04	0.00	0.00	0.00
19,100.00	90.00	359.60	10,388.00	8,690.41	882.97	8,684.04	0.00	0.00	0.00
19,200.00	90.00	359.60	10,388.00	8,790.41	882.27	8,784.04	0.00	0.00	0.00
19,300.00	90.00	359.60	10,388.00	8,890.41	881.57	8,884.04	0.00	0.00	0.00
19,400.00	90.00	359.60	10,388.00	8,990.41	880.86	8,984.04	0.00	0.00	0.00
19,500.00	90.00	359.60	10,388.00	9,090.40	880.16	9,084.04	0.00	0.00	0.00
19,600.00	90.00	359.60	10,388.00	9,190.40	879.45	9,184.04	0.00	0.00	0.00
19,700.00	90.00	359.60	10,388.00	9,290.40	878.75	9,284.04	0.00	0.00	0.00
19,800.00	90.00	359.60	10,388.00	9,390.40	878.04	9,384.04	0.00	0.00	0.00
19,900.00	90.00	359.60	10,388.00	9,490.39	877.34	9,484.04	0.00	0.00	0.00
20,000.00	90.00	359.60	10,388.00	9,590.39	876.64	9,584.04	0.00	0.00	0.00
20,100.00	90.00	359.60	10,388.00	9,690.39	875.93	9,684.04	0.00	0.00	0.00
20,200.00	90.00	359.60	10,388.00	9,790.39	875.23	9,784.04	0.00	0.00	0.00
20,300.00	90.00	359.60	10,388.00	9,890.38	874.52	9,884.04	0.00	0.00	0.00
20,400.00	90.00	359.60	10,388.00	9,990.38	873.82	9,984.04	0.00	0.00	0.00
20,500.00	90.00	359.60	10,388.00	10,090.38	873.12	10,084.04	0.00	0.00	0.00
20,600.00	90.00	359.60	10,388.00	10,190.38	872.41	10,184.04	0.00	0.00	0.00
20,644.34	90.00	359.60	10,388.00	10,234.72	872.10	10,228.38	0.00	0.00	0.00
TD at 20644.34									

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners
Planning Report

ALTITUDE ENERGY PARTNERS

Database:	DM Local	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Company:	Franklin Mountain Energy	**TVD Reference:**	KB=30' @ 3717.00usft
Project:	Lea Co., NM (NAD-83)	**MD Reference:**	KB=30' @ 3717.00usft
Site:	Treble East Pad	**North Reference:**	Grid
Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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
Treble State Com 504 - plan hits target center - Point	0.00	0.00	10,388.00	10,234.72	872.10	597,122.88	816,725.49	32.638352	-103.438713
Treble State Com 504 - plan misses target center by 237.42usft at 10343.81usft MD (10224.06 TVD, -22.30 N, 944.32 E) - Point	0.00	0.00	10,388.00	-194.03	945.53	586,694.13	816,798.92	32.609688	-103.438759

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
30.00	30.00	Cenozoic Alluvium (surface)			
1,819.00	1,819.00	Rustler			
2,074.00	2,074.00	Salado			
3,245.17	3,245.00	Base Salt			
3,537.77	3,536.00	Yates			
4,070.21	4,062.00	Seven Rivers			
4,685.74	4,670.00	Queen			
6,166.85	6,133.00	Delaware Mtn Group			
8,015.45	7,959.00	Bone Spring Lime			
9,475.90	9,403.00	First Bone Spring Sand			
9,754.25	9,681.00	Second Bone Spring Carbonate			
10,063.99	9,988.00	Second Bone Spring Sand			
10,788.29	10,388.00	HZ Target			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,000.00	3,000.00	0.00	0.00	Build 1.5°/100'
3,597.91	3,595.47	-9.39	45.75	5592' Hold
9,190.38	9,119.57	-184.64	899.78	Drop 1.5°/100'
9,788.29	9,715.04	-194.03	945.53	100' Hold
9,888.29	9,815.04	-194.03	945.53	Build 10°/100'
10,063.99	9,988.00	-167.30	945.34	PPP @ 10063.99' - 77' FSL & 680' FEL
10,232.00	10,138.50	-94.00	944.83	FTP @ 10232' - 150' FSL & 680' FEL
10,788.29	10,388.00	378.91	941.50	9856' Hold
20,644.34	10,388.00	10,234.72	872.10	TD at 20644.34

FRANKLIN MOUNTAIN ENERGY

Franklin Mountain Energy

Lea Co., NM (NAD-83)
Treble East Pad
Treble State Com 504H

OH
Plan 1

Anticollision Report

16 May, 2023

ALTITUDE ENERGY PARTNERS

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference Plan 1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.00usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 5/16/2023

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	20,644.35	Plan 1 (OH)	MWD+HDGM	OWSG MWD + HRGM

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Treble East Offsets						
East Pearl Queen Unit #027 (Plug) - OH - OH						Out of range
Sparrow 27 #001 - OH - OH						Out of range
Sparrow 27 #002 - OH - OH						Out of range
Sparrow 27 #003 - OH - OH						Out of range
Toro 27 #005 - OH - OH						Out of range
Treble East Pad						
Treble State Com 303H - OH - Plan 1	3,813.95	3,811.59	73.12	56.38	4.368	CC, ES
Treble State Com 303H - OH - Plan 1	3,900.00	3,895.49	75.58	58.02	4.303	SF
Treble State Com 304H - OH - Plan 1	2,500.00	2,500.00	224.96	212.37	17.857	CC, ES
Treble State Com 304H - OH - Plan 1	20,644.35	19,745.80	970.27	763.27	4.687	SF
Treble State Com 503H - OH - Plan 1	2,000.00	2,000.00	25.00	13.88	2.248	CC, ES, SF
Treble State Com 603H - OH - Plan 1	2,034.96	2,034.96	24.99	13.77	2.228	CC
Treble State Com 603H - OH - Plan 1	2,100.00	2,099.98	25.02	13.61	2.194	ES
Treble State Com 603H - OH - Plan 1	2,200.00	2,199.83	25.50	13.84	2.187	SF
Treble State Com 604H - OH - Plan 1	2,000.00	2,000.00	49.99	38.87	4.496	CC, ES
Treble State Com 604H - OH - Plan 1	20,644.35	20,944.55	412.90	170.14	1.701	Collision Risk Procedures
Treble State Com 703H - OH - Plan 1	3,143.40	3,147.19	30.91	16.71	2.177	CC, ES, SF
Treble State Com 704H - OH - Plan 1	7,607.27	7,612.99	62.15	32.86	2.122	CC, ES
Treble State Com 704H - OH - Plan 1	7,700.00	7,704.58	63.81	33.67	2.117	SF
Treble State Com 803H - OH - Plan 1	4,222.24	4,214.84	93.61	75.02	5.036	CC, ES
Treble State Com 803H - OH - Plan 1	4,300.00	4,290.72	95.14	75.89	4.942	SF
Treble State Com 804H - OH - Plan 1	2,000.00	2,000.00	274.96	263.84	24.728	CC
Treble State Com 804H - OH - Plan 1	9,950.00	9,968.00	320.02	259.55	5.292	ES
Treble State Com 804H - OH - Plan 1	10,050.00	10,065.98	320.82	260.03	5.278	SF

Offset Design: Treble East Pad - Treble State Com 303H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.64	1.26	199.96	199.96				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	1.26	199.96	199.96	198.38	1.58	126.227	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	1.26	199.96	199.96	197.06	2.90	68.971	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

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Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 303H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
300.00	300.00	300.00	300.00	1.89	1.89	89.64	1.26	199.96	199.96	196.18	3.79	52.777	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	1.26	199.96	199.96	195.45	4.51	44.319	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	1.26	199.96	199.96	194.82	5.14	38.908	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	1.26	199.96	199.96	194.26	5.70	35.064	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	1.26	199.96	199.96	193.74	6.22	32.150	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	1.26	199.96	199.96	193.26	6.70	29.842	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	1.26	199.96	199.96	192.81	7.15	27.954	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	1.26	199.96	199.96	192.38	7.58	26.372	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	1.26	199.96	199.96	191.97	7.99	25.022	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	1.26	199.96	199.96	191.58	8.38	23.850	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	1.26	199.96	199.96	191.20	8.76	22.821	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	1.26	199.96	199.96	190.84	9.13	21.908	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	1.26	199.96	199.96	190.48	9.48	21.090	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	1.26	199.96	199.96	190.14	9.83	20.351	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	1.26	199.96	199.96	189.80	10.16	19.680	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	1.26	199.96	199.96	189.48	10.49	19.067	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	1.26	199.96	199.96	189.16	10.81	18.504	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	1.26	199.96	199.96	188.84	11.12	17.983	
2,100.00	2,100.00	2,104.28	2,104.26	5.71	5.74	89.89	0.38	198.84	198.89	187.46	11.43	17.395	
2,200.00	2,200.00	2,208.40	2,208.29	5.86	5.91	90.66	-2.27	195.51	195.69	183.97	11.73	16.687	
2,300.00	2,300.00	2,312.21	2,311.86	6.01	6.08	92.01	-6.66	189.96	190.45	178.44	12.01	15.856	
2,400.00	2,400.00	2,412.78	2,412.05	6.16	6.20	93.79	-12.12	183.07	183.87	171.63	12.24	15.020	
2,500.00	2,500.00	2,512.39	2,511.27	6.30	6.39	95.70	-17.58	176.18	177.41	164.88	12.53	14.154	
2,600.00	2,600.00	2,612.00	2,610.49	6.44	6.60	97.75	-23.04	169.28	171.17	158.34	12.83	13.342	
2,700.00	2,700.00	2,711.61	2,709.71	6.58	6.82	99.96	-28.50	162.39	165.16	152.04	13.12	12.585	
2,800.00	2,800.00	2,811.22	2,808.93	6.72	7.06	102.32	-33.96	155.50	159.42	146.00	13.41	11.884	
2,900.00	2,900.00	2,910.83	2,908.15	6.85	7.31	104.86	-39.43	148.61	153.96	140.26	13.70	11.240	
3,000.00	3,000.00	3,010.44	3,007.37	6.98	7.57	107.58	-44.89	141.71	148.83	134.86	13.97	10.652	
3,100.00	3,099.99	3,109.97	3,106.51	7.13	7.85	8.97	-50.34	134.83	142.77	128.53	14.25	10.022	
3,200.00	3,199.91	3,209.27	3,205.43	7.27	8.13	12.47	-55.79	127.95	134.58	120.09	14.49	9.285	
3,300.00	3,299.69	3,308.29	3,304.06	7.42	8.42	16.74	-61.22	121.10	124.45	109.72	14.73	8.448	
3,400.00	3,399.27	3,406.96	3,402.35	7.59	8.71	22.22	-66.63	114.27	112.69	97.74	14.95	7.538	
3,500.00	3,498.57	3,505.21	3,500.21	7.78	9.01	29.61	-72.01	107.47	99.90	84.76	15.14	6.596	
3,597.91	3,595.47	3,600.94	3,595.56	7.99	9.31	39.68	-77.26	100.85	87.42	72.09	15.34	5.700	
3,600.00	3,597.54	3,602.97	3,597.59	7.99	9.31	39.94	-77.37	100.71	87.17	71.83	15.34	5.682	
3,700.00	3,696.31	3,700.48	3,694.72	8.49	9.62	53.64	-82.72	93.96	77.36	61.39	15.97	4.843	
3,800.00	3,795.09	3,797.99	3,791.85	8.71	9.94	69.92	-88.06	87.21	73.19	56.57	16.62	4.403	
3,813.95	3,808.87	3,811.59	3,805.39	8.75	9.98	72.28	-88.81	86.27	73.12	56.38	16.74	4.368	CC, ES
3,900.00	3,893.87	3,895.49	3,888.97	8.95	10.26	86.56	-93.41	80.47	75.58	58.02	17.56	4.303	SF
4,000.00	3,992.65	3,993.00	3,986.10	9.20	10.58	101.11	-98.75	73.72	83.99	65.43	18.55	4.527	
4,100.00	4,091.42	4,090.51	4,083.22	9.46	10.91	112.52	-104.10	66.97	96.85	77.42	19.43	4.984	
4,200.00	4,190.20	4,188.01	4,180.35	9.74	11.24	121.07	-109.45	60.22	112.65	92.46	20.20	5.578	
4,300.00	4,288.98	4,285.52	4,277.48	10.03	11.57	127.46	-114.79	53.48	130.33	109.45	20.88	6.241	
4,400.00	4,387.75	4,383.03	4,374.60	10.33	11.90	132.30	-120.14	46.73	149.22	127.69	21.53	6.932	
4,500.00	4,486.53	4,480.53	4,471.73	10.64	12.24	136.04	-125.48	39.98	168.92	146.76	22.15	7.625	
4,600.00	4,585.31	4,578.04	4,568.85	10.96	12.58	139.00	-130.83	33.23	189.16	166.39	22.77	8.307	
4,700.00	4,684.09	4,675.55	4,665.98	11.29	12.93	141.39	-136.18	26.49	209.81	186.41	23.39	8.970	
4,800.00	4,782.86	4,773.05	4,763.11	11.63	13.27	143.34	-141.52	19.74	230.73	206.72	24.01	9.609	
4,900.00	4,881.64	4,870.56	4,860.23	11.97	13.62	144.98	-146.87	12.99	251.88	227.24	24.64	10.223	
5,000.00	4,980.42	4,968.07	4,957.36	12.32	13.97	146.36	-152.21	6.24	273.19	247.92	25.27	10.811	
5,100.00	5,079.20	5,065.57	5,054.48	12.68	14.32	147.54	-157.56	-0.50	294.63	268.72	25.91	11.372	
5,200.00	5,177.97	5,163.08	5,151.61	13.04	14.67	148.56	-162.90	-7.25	316.18	289.63	26.55	11.908	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

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Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 303H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,300.00	5,276.75	5,260.59	5,248.73	13.41	15.02	149.45	-168.25	-14.00	337.81	310.60	27.20	12.418	
5,400.00	5,375.53	5,358.09	5,345.86	13.78	15.37	150.23	-173.60	-20.75	359.50	331.65	27.86	12.905	
5,500.00	5,474.31	5,455.60	5,442.99	14.15	15.73	150.93	-178.94	-27.49	381.26	352.74	28.52	13.369	
5,600.00	5,573.08	5,553.11	5,540.11	14.53	16.09	151.55	-184.29	-34.24	403.06	373.87	29.18	13.811	
5,700.00	5,671.86	5,650.61	5,637.24	14.92	16.44	152.10	-189.63	-40.99	424.90	395.05	29.85	14.236	
5,800.00	5,770.64	5,756.77	5,743.05	15.30	16.81	152.69	-194.93	-47.67	446.08	415.51	30.57	14.592	
5,900.00	5,869.42	5,866.93	5,853.05	15.69	17.19	153.39	-198.55	-52.24	464.81	433.51	31.30	14.851	
6,000.00	5,968.19	5,977.99	5,964.08	16.09	17.49	154.20	-200.20	-54.32	481.00	449.05	31.95	15.056	
6,100.00	6,066.97	6,080.89	6,066.97	16.48	17.59	155.00	-200.30	-54.45	495.25	462.85	32.39	15.288	
6,200.00	6,165.75	6,179.66	6,165.75	16.88	17.63	155.74	-200.30	-54.45	509.45	476.66	32.79	15.537	
6,300.00	6,264.53	6,278.44	6,264.53	17.28	17.67	156.44	-200.30	-54.45	523.73	490.54	33.19	15.781	
6,400.00	6,363.30	6,377.22	6,363.30	17.68	17.71	157.11	-200.30	-54.45	538.08	504.49	33.59	16.020	
6,500.00	6,462.08	6,476.00	6,462.08	18.09	17.75	157.73	-200.30	-54.45	552.50	518.51	34.00	16.252	
6,600.00	6,560.86	6,574.77	6,560.86	18.50	17.80	158.33	-200.30	-54.45	566.99	532.58	34.41	16.479	
6,700.00	6,659.63	6,673.55	6,659.63	18.90	17.84	158.90	-200.30	-54.45	581.53	546.70	34.82	16.700	
6,800.00	6,758.41	6,772.33	6,758.41	19.31	17.88	159.43	-200.30	-54.45	596.12	560.88	35.24	16.916	
6,900.00	6,857.19	6,871.11	6,857.19	19.73	17.92	159.95	-200.30	-54.45	610.76	575.10	35.66	17.126	
7,000.00	6,955.97	6,969.88	6,955.97	20.14	17.96	160.44	-200.30	-54.45	625.45	589.36	36.09	17.331	
7,100.00	7,054.74	7,068.66	7,054.74	20.55	18.00	160.90	-200.30	-54.45	640.18	603.66	36.52	17.531	
7,200.00	7,153.52	7,167.44	7,153.52	20.97	18.05	161.35	-200.30	-54.45	654.95	618.00	36.95	17.726	
7,300.00	7,252.30	7,266.22	7,252.30	21.39	18.09	161.77	-200.30	-54.45	669.76	632.37	37.38	17.917	
7,400.00	7,351.08	7,364.99	7,351.08	21.80	18.13	162.18	-200.30	-54.45	684.60	646.78	37.82	18.102	
7,500.00	7,449.85	7,463.77	7,449.85	22.22	18.18	162.57	-200.30	-54.45	699.47	661.21	38.26	18.283	
7,600.00	7,548.63	7,562.55	7,548.63	22.64	18.22	162.95	-200.30	-54.45	714.38	675.68	38.70	18.459	
7,700.00	7,647.41	7,661.32	7,647.41	23.07	18.26	163.31	-200.30	-54.45	729.31	690.17	39.14	18.631	
7,800.00	7,746.19	7,760.10	7,746.19	23.49	18.31	163.65	-200.30	-54.45	744.27	704.68	39.59	18.799	
7,900.00	7,844.96	7,858.88	7,844.96	23.91	18.35	163.98	-200.30	-54.45	759.26	719.22	40.04	18.962	
8,000.00	7,943.74	7,957.66	7,943.74	24.34	18.40	164.30	-200.30	-54.45	774.27	733.77	40.49	19.122	
8,100.00	8,042.52	8,056.43	8,042.52	24.76	18.44	164.60	-200.30	-54.45	789.30	748.35	40.94	19.277	
8,200.00	8,141.30	8,155.21	8,141.30	25.19	18.49	164.90	-200.30	-54.45	804.35	762.95	41.40	19.429	
8,300.00	8,240.07	8,253.99	8,240.07	25.61	18.53	165.18	-200.30	-54.45	819.42	777.57	41.86	19.578	
8,400.00	8,338.85	8,352.77	8,338.85	26.04	18.58	165.46	-200.30	-54.45	834.52	792.20	42.31	19.722	
8,500.00	8,437.63	8,451.54	8,437.63	26.47	18.62	165.72	-200.30	-54.45	849.63	806.85	42.77	19.863	
8,600.00	8,536.41	8,550.32	8,536.41	26.90	18.67	165.97	-200.30	-54.45	864.75	821.52	43.24	20.001	
8,700.00	8,635.18	8,649.10	8,635.18	27.32	18.71	166.22	-200.30	-54.45	879.90	836.20	43.70	20.136	
8,800.00	8,733.96	8,747.88	8,733.96	27.75	18.76	166.46	-200.30	-54.45	895.06	850.89	44.16	20.267	
8,900.00	8,832.74	8,846.65	8,832.74	28.18	18.81	166.69	-200.30	-54.45	910.23	865.60	44.63	20.396	
9,000.00	8,931.51	8,945.58	8,931.66	28.61	18.84	166.91	-200.27	-54.45	925.42	880.33	45.08	20.527	
9,100.00	9,030.29	9,045.22	9,030.71	29.05	18.74	167.72	-190.66	-54.52	940.54	895.05	45.49	20.674	
9,190.38	9,119.57	9,129.35	9,112.00	29.43	18.60	169.18	-169.29	-54.67	954.61	908.81	45.80	20.845	
9,200.00	9,129.07	9,137.84	9,120.01	29.47	18.59	169.37	-166.47	-54.69	956.15	910.33	45.82	20.867	
9,300.00	9,228.08	9,220.30	9,195.33	29.92	18.45	171.53	-133.08	-54.93	972.02	925.92	46.10	21.086	
9,400.00	9,327.42	9,291.66	9,256.07	30.33	18.33	173.82	-95.71	-55.19	988.51	942.24	46.27	21.364	

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 304H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.64	1.42	224.96	224.96				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	1.42	224.96	224.96	223.38	1.58	142.009	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	1.42	224.96	224.96	222.07	2.90	77.594	
300.00	300.00	300.00	300.00	1.89	1.89	89.64	1.42	224.96	224.96	221.18	3.79	59.376	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	1.42	224.96	224.96	220.45	4.51	49.860	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	1.42	224.96	224.96	219.83	5.14	43.772	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	1.42	224.96	224.96	219.26	5.70	39.448	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	1.42	224.96	224.96	218.74	6.22	36.169	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	1.42	224.96	224.96	218.26	6.70	33.573	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	1.42	224.96	224.96	217.81	7.15	31.449	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	1.42	224.96	224.96	217.38	7.58	29.670	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	1.42	224.96	224.96	216.97	7.99	28.150	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	1.42	224.96	224.96	216.58	8.38	26.832	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	1.42	224.96	224.96	216.20	8.76	25.674	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	1.42	224.96	224.96	215.84	9.13	24.647	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	1.42	224.96	224.96	215.48	9.48	23.726	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	1.42	224.96	224.96	215.14	9.83	22.896	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	1.42	224.96	224.96	214.80	10.16	22.141	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	1.42	224.96	224.96	214.48	10.49	21.451	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	1.42	224.96	224.96	214.16	10.81	20.817	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	1.42	224.96	224.96	213.85	11.12	20.232	
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	89.64	1.42	224.96	224.96	213.54	11.43	19.689	
2,200.00	2,200.00	2,200.00	2,200.00	5.86	5.86	89.64	1.42	224.96	224.96	213.24	11.73	19.184	
2,300.00	2,300.00	2,300.00	2,300.00	6.01	6.01	89.64	1.42	224.96	224.96	212.94	12.02	18.713	
2,400.00	2,400.00	2,400.00	2,400.00	6.16	6.16	89.64	1.42	224.96	224.96	212.65	12.31	18.272	
2,500.00	2,500.00	2,500.00	2,500.00	6.30	6.30	89.64	1.42	224.96	224.96	212.37	12.60	17.857	CC, ES
2,600.00	2,600.00	2,594.73	2,594.72	6.44	6.46	89.54	1.82	226.06	226.13	213.24	12.89	17.544	
2,700.00	2,700.00	2,689.33	2,689.26	6.58	6.61	89.24	3.02	229.37	229.64	216.47	13.17	17.433	
2,800.00	2,800.00	2,783.90	2,783.65	6.72	6.76	88.94	4.34	234.85	235.46	222.01	13.45	17.510	
2,900.00	2,900.00	2,878.20	2,877.64	6.85	6.93	88.88	4.74	242.45	243.52	229.79	13.73	17.733	
3,000.00	3,000.00	2,972.11	2,971.04	6.98	7.11	89.04	4.21	252.13	253.82	239.79	14.03	18.089	
3,100.00	3,099.99	3,065.67	3,063.86	7.13	7.31	-12.22	2.77	263.86	265.07	250.72	14.35	18.468	
3,200.00	3,199.91	3,159.01	3,156.14	7.27	7.53	-11.82	0.42	277.64	276.00	261.32	14.68	18.801	
3,300.00	3,299.69	3,252.71	3,248.43	7.42	7.73	-11.37	-2.85	293.53	286.62	271.62	15.00	19.110	
3,400.00	3,399.27	3,352.29	3,346.32	7.59	7.95	-10.95	-6.73	311.32	295.61	280.21	15.40	19.191	
3,500.00	3,498.57	3,452.06	3,444.42	7.78	8.22	-10.66	-10.61	329.15	302.06	286.19	15.87	19.032	
3,597.91	3,595.47	3,549.89	3,540.60	7.99	8.50	-10.47	-14.41	346.62	305.88	289.52	16.36	18.693	
3,600.00	3,597.54	3,551.98	3,542.65	7.99	8.51	-10.47	-14.49	347.00	305.94	289.56	16.37	18.687	
3,700.00	3,696.31	3,651.94	3,640.93	8.49	8.81	-10.33	-18.38	364.86	308.59	291.39	17.20	17.944	
3,800.00	3,795.09	3,751.91	3,739.20	8.71	9.12	-10.20	-22.27	382.72	311.24	293.50	17.74	17.544	
3,900.00	3,893.87	3,851.87	3,837.48	8.95	9.45	-10.08	-26.15	400.58	313.89	295.58	18.31	17.141	
4,000.00	3,992.65	3,951.83	3,935.76	9.20	9.78	-9.95	-30.04	418.43	316.54	297.63	18.91	16.739	
4,100.00	4,091.42	4,051.79	4,034.04	9.46	10.13	-9.83	-33.93	436.29	319.20	299.66	19.53	16.341	
4,200.00	4,190.20	4,151.76	4,132.31	9.74	10.48	-9.71	-37.81	454.15	321.85	301.67	20.18	15.951	
4,300.00	4,288.98	4,251.72	4,230.59	10.03	10.85	-9.59	-41.70	472.01	324.51	303.67	20.84	15.569	
4,400.00	4,387.75	4,351.68	4,328.87	10.33	11.22	-9.47	-45.59	489.87	327.17	305.64	21.53	15.199	
4,500.00	4,486.53	4,451.64	4,427.15	10.64	11.60	-9.36	-49.48	507.73	329.83	307.60	22.23	14.840	
4,600.00	4,585.31	4,551.61	4,525.42	10.96	11.98	-9.24	-53.36	525.59	332.49	309.55	22.94	14.493	
4,700.00	4,684.09	4,651.57	4,623.70	11.29	12.37	-9.13	-57.25	543.45	335.15	311.48	23.67	14.159	
4,800.00	4,782.86	4,751.53	4,721.98	11.63	12.76	-9.02	-61.14	561.31	337.82	313.41	24.41	13.838	
4,900.00	4,881.64	4,851.49	4,820.25	11.97	13.16	-8.91	-65.03	579.17	340.48	315.32	25.16	13.530	
5,000.00	4,980.42	4,951.46	4,918.53	12.32	13.56	-8.80	-68.91	597.03	343.15	317.22	25.93	13.235	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 304H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,079.20	5,051.42	5,016.81	12.68	13.97	-8.70	-72.80	614.89	345.82	319.12	26.70	12.951	
5,200.00	5,177.97	5,151.38	5,115.09	13.04	14.38	-8.60	-76.69	632.75	348.49	321.00	27.48	12.680	
5,300.00	5,276.75	5,251.34	5,213.36	13.41	14.79	-8.49	-80.57	650.61	351.16	322.88	28.27	12.420	
5,400.00	5,375.53	5,351.31	5,311.64	13.78	15.20	-8.39	-84.46	668.46	353.83	324.76	29.07	12.171	
5,500.00	5,474.31	5,451.27	5,409.92	14.15	15.62	-8.30	-88.35	686.32	356.50	326.63	29.88	11.932	
5,600.00	5,573.08	5,551.23	5,508.20	14.53	16.04	-8.20	-92.24	704.18	359.18	328.49	30.69	11.704	
5,700.00	5,671.86	5,651.19	5,606.47	14.92	16.46	-8.10	-96.12	722.04	361.85	330.34	31.51	11.485	
5,800.00	5,770.64	5,751.16	5,704.75	15.30	16.89	-8.01	-100.01	739.90	364.53	332.20	32.33	11.276	
5,900.00	5,869.42	5,851.12	5,803.03	15.69	17.32	-7.92	-103.90	757.76	367.20	334.05	33.16	11.075	
6,000.00	5,968.19	5,951.08	5,901.30	16.09	17.74	-7.82	-107.79	775.62	369.88	335.89	33.99	10.882	
6,100.00	6,066.97	6,051.04	5,999.58	16.48	18.17	-7.73	-111.67	793.48	372.56	337.73	34.83	10.698	
6,200.00	6,165.75	6,151.00	6,097.86	16.88	18.61	-7.64	-115.56	811.34	375.24	339.57	35.67	10.521	
6,300.00	6,264.53	6,250.97	6,196.14	17.28	19.04	-7.56	-119.45	829.20	377.92	341.41	36.51	10.351	
6,400.00	6,363.30	6,350.93	6,294.41	17.68	19.47	-7.47	-123.33	847.06	380.60	343.24	37.36	10.187	
6,500.00	6,462.08	6,450.89	6,392.69	18.09	19.91	-7.38	-127.22	864.92	383.28	345.07	38.21	10.031	
6,600.00	6,560.86	6,550.85	6,490.97	18.50	20.35	-7.30	-131.11	882.78	385.96	346.90	39.07	9.880	
6,700.00	6,659.63	6,650.82	6,589.25	18.90	20.78	-7.22	-135.00	900.64	388.65	348.72	39.92	9.735	
6,800.00	6,758.41	6,750.78	6,687.52	19.31	21.22	-7.13	-138.88	918.49	391.33	350.55	40.78	9.595	
6,900.00	6,857.19	6,850.74	6,785.80	19.73	21.66	-7.05	-142.77	936.35	394.02	352.37	41.65	9.461	
7,000.00	6,955.97	6,950.70	6,884.08	20.14	22.11	-6.97	-146.66	954.21	396.70	354.19	42.51	9.331	
7,100.00	7,054.74	7,050.67	6,982.35	20.55	22.55	-6.90	-150.54	972.07	399.39	356.01	43.38	9.207	
7,200.00	7,153.52	7,150.63	7,080.63	20.97	22.99	-6.82	-154.43	989.93	402.08	357.83	44.25	9.087	
7,300.00	7,252.30	7,250.59	7,178.91	21.39	23.43	-6.74	-158.32	1,007.79	404.76	359.64	45.12	8.971	
7,400.00	7,351.08	7,350.55	7,277.19	21.80	23.88	-6.67	-162.21	1,025.65	407.45	361.46	45.99	8.859	
7,500.00	7,449.85	7,450.52	7,375.46	22.22	24.32	-6.59	-166.09	1,043.51	410.14	363.27	46.87	8.751	
7,600.00	7,548.63	7,550.48	7,473.74	22.64	24.77	-6.52	-169.98	1,061.37	412.83	365.09	47.75	8.646	
7,700.00	7,647.41	7,650.44	7,572.02	23.07	25.22	-6.45	-173.87	1,079.23	415.52	366.90	48.63	8.545	
7,800.00	7,746.19	7,750.40	7,670.29	23.49	25.66	-6.37	-177.76	1,097.09	418.22	368.71	49.50	8.448	
7,900.00	7,844.96	7,858.84	7,777.04	23.91	26.14	-6.31	-181.81	1,115.70	420.21	369.79	50.43	8.333	
8,000.00	7,943.74	7,971.09	7,888.05	24.34	26.63	-6.30	-185.35	1,131.97	419.43	368.10	51.33	8.171	
8,100.00	8,042.52	8,083.19	7,999.34	24.76	27.10	-6.34	-188.19	1,145.03	415.73	363.56	52.18	7.968	
8,200.00	8,141.30	8,194.95	8,110.64	25.19	27.53	-6.43	-190.33	1,154.87	409.13	356.18	52.95	7.726	
8,300.00	8,240.07	8,306.18	8,221.66	25.61	27.93	-6.59	-191.77	1,161.49	399.65	345.99	53.66	7.448	
8,400.00	8,338.85	8,416.70	8,332.12	26.04	28.25	-6.82	-192.53	1,164.95	387.30	333.06	54.24	7.140	
8,500.00	8,437.63	8,522.21	8,437.63	26.47	28.36	-7.12	-192.65	1,165.52	372.35	317.69	54.66	6.812	
8,600.00	8,536.41	8,620.98	8,536.41	26.90	28.39	-7.43	-192.65	1,165.52	356.88	301.78	55.10	6.477	
8,700.00	8,635.18	8,719.76	8,635.18	27.32	28.42	-7.76	-192.65	1,165.52	341.43	285.89	55.54	6.148	
8,800.00	8,733.96	8,818.54	8,733.96	27.75	28.45	-8.13	-192.65	1,165.52	325.98	270.01	55.97	5.824	
8,900.00	8,832.74	8,917.32	8,832.74	28.18	28.48	-8.54	-192.65	1,165.52	310.55	254.16	56.40	5.507	
9,000.00	8,931.51	9,014.83	8,930.24	28.61	28.50	-9.15	-191.81	1,165.63	295.21	238.38	56.83	5.195	
9,100.00	9,030.29	9,107.66	9,022.12	29.05	28.50	-12.18	-179.38	1,167.17	281.32	224.15	57.17	4.921	
9,190.38	9,119.57	9,186.09	9,097.33	29.43	28.50	-17.31	-157.52	1,169.90	272.38	215.21	57.17	4.764	
9,200.00	9,129.07	9,194.03	9,104.75	29.47	28.50	-17.96	-154.74	1,170.24	271.78	214.64	57.14	4.757	
9,245.29	9,173.87	9,230.26	9,138.14	29.67	28.50	-21.17	-140.78	1,171.98	270.46	213.55	56.90	4.753	
9,300.00	9,228.08	9,271.39	9,174.87	29.92	28.50	-25.30	-122.43	1,174.27	272.62	216.27	56.34	4.839	
9,400.00	9,327.42	9,338.89	9,231.97	30.33	28.51	-32.87	-86.81	1,178.70	289.00	234.53	54.48	5.305	
9,500.00	9,427.02	9,400.00	9,279.73	30.71	28.54	-40.13	-49.01	1,183.41	322.29	270.37	51.92	6.207	
9,600.00	9,526.82	9,450.00	9,315.60	31.07	28.56	-46.12	-14.46	1,187.71	370.68	321.24	49.44	7.498	
9,700.00	9,626.76	9,487.89	9,340.68	31.38	28.59	-50.77	13.71	1,191.22	431.00	383.58	47.42	9.088	
9,788.29	9,715.04	9,519.66	9,360.23	31.52	28.62	46.93	38.55	1,194.32	491.81	445.74	46.06	10.677	
9,800.00	9,726.75	9,523.55	9,362.53	31.52	28.62	46.59	41.66	1,194.71	500.29	454.38	45.91	10.897	
9,888.29	9,815.04	9,550.00	9,377.58	31.55	28.65	44.39	63.25	1,197.39	566.57	521.64	44.93	12.610	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 304H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,826.75	9,550.00	9,377.58	31.54	28.65	43.80	63.25	1,197.39	575.60	530.78	44.82	12.843	
9,950.00	9,876.63	9,568.98	9,387.75	31.53	28.67	38.72	79.14	1,199.37	613.41	568.91	44.50	13.784	
10,000.00	9,926.04	9,584.53	9,395.69	31.50	28.69	34.74	92.42	1,201.03	650.03	605.73	44.30	14.674	
10,050.00	9,974.61	9,600.00	9,403.22	31.46	28.71	31.47	105.82	1,202.70	685.22	641.03	44.20	15.504	
10,100.00	10,021.96	9,617.27	9,411.20	31.43	28.74	28.73	121.02	1,204.59	718.80	674.62	44.19	16.268	
10,150.00	10,067.74	9,634.30	9,418.60	31.40	28.76	26.49	136.24	1,206.49	750.62	706.37	44.25	16.965	
10,200.00	10,111.60	9,650.00	9,425.03	31.37	28.79	24.65	150.46	1,208.26	780.54	736.17	44.36	17.595	
10,250.00	10,153.20	9,669.41	9,432.42	31.35	28.82	23.10	168.26	1,210.47	808.43	763.89	44.55	18.148	
10,300.00	10,192.22	9,700.00	9,442.83	31.33	28.88	21.76	196.81	1,214.03	834.45	789.63	44.82	18.616	
10,350.00	10,228.38	9,700.00	9,442.83	31.32	28.88	20.80	196.81	1,214.03	857.86	812.84	45.03	19.052	
10,400.00	10,261.39	9,724.01	9,449.91	31.33	28.94	19.93	219.57	1,216.86	879.14	833.78	45.37	19.378	
10,450.00	10,291.00	9,750.00	9,456.49	31.35	29.00	19.25	244.52	1,219.97	898.21	852.45	45.75	19.631	
10,500.00	10,316.99	9,750.00	9,456.49	31.39	29.00	18.67	244.52	1,219.97	914.91	868.85	46.06	19.863	
10,550.00	10,339.16	9,780.14	9,462.68	31.44	29.08	18.28	273.78	1,223.62	928.90	882.36	46.54	19.959	
10,600.00	10,357.34	9,800.00	9,465.91	31.51	29.13	17.98	293.23	1,226.04	940.60	893.59	47.00	20.012	
10,650.00	10,371.39	9,818.05	9,468.25	31.61	29.19	17.77	310.98	1,228.25	949.79	902.31	47.49	20.001	
10,700.00	10,381.21	9,850.00	9,471.01	31.72	29.29	17.76	342.57	1,232.19	956.69	908.63	48.07	19.902	
10,750.00	10,386.72	9,850.00	9,471.01	31.86	29.29	17.63	342.57	1,232.19	960.66	912.15	48.52	19.801	
10,788.29	10,388.00	9,870.74	9,471.85	31.97	29.36	17.74	363.14	1,234.75	962.07	913.11	48.96	19.651	
10,800.00	10,388.00	9,883.62	9,472.00	32.01	29.40	17.84	375.91	1,236.34	962.42	913.30	49.12	19.592	
10,900.00	10,388.00	9,970.17	9,472.00	32.38	29.76	18.41	461.95	1,245.74	965.88	915.46	50.42	19.158	
11,000.00	10,388.00	10,081.96	9,472.00	32.81	30.31	18.92	573.43	1,254.02	968.48	916.72	51.77	18.708	
11,100.00	10,388.00	10,194.29	9,472.00	33.30	30.93	19.18	685.68	1,257.96	969.86	916.82	53.04	18.286	
11,200.00	10,388.00	10,301.45	9,472.00	33.85	31.56	19.22	792.84	1,257.94	970.07	915.85	54.22	17.891	
11,300.00	10,388.00	10,401.45	9,472.00	34.44	32.21	19.22	892.84	1,257.24	970.08	914.65	55.43	17.502	
11,400.00	10,388.00	10,501.45	9,472.00	35.09	32.90	19.22	992.83	1,256.54	970.08	913.42	56.66	17.122	
11,500.00	10,388.00	10,601.45	9,472.00	35.77	33.64	19.22	1,092.83	1,255.84	970.08	912.16	57.92	16.749	
11,600.00	10,388.00	10,701.45	9,472.00	36.50	34.42	19.22	1,192.83	1,255.15	970.08	910.88	59.20	16.385	
11,700.00	10,388.00	10,801.45	9,472.00	37.27	35.24	19.22	1,292.83	1,254.45	970.08	909.57	60.51	16.031	
11,800.00	10,388.00	10,901.45	9,472.00	38.08	36.09	19.22	1,392.82	1,253.75	970.09	908.24	61.85	15.685	
11,900.00	10,388.00	11,001.45	9,472.00	38.92	36.98	19.22	1,492.82	1,253.05	970.09	906.89	63.20	15.349	
12,000.00	10,388.00	11,101.45	9,472.00	39.79	37.90	19.22	1,592.82	1,252.36	970.09	905.52	64.57	15.023	
12,100.00	10,388.00	11,201.45	9,472.00	40.69	38.84	19.22	1,692.82	1,251.66	970.09	904.13	65.97	14.706	
12,200.00	10,388.00	11,301.45	9,472.00	41.62	39.82	19.22	1,792.81	1,250.96	970.09	902.72	67.37	14.398	
12,300.00	10,388.00	11,401.45	9,472.00	42.58	40.82	19.22	1,892.81	1,250.26	970.10	901.30	68.80	14.100	
12,400.00	10,388.00	11,501.45	9,472.00	43.56	41.84	19.22	1,992.81	1,249.56	970.10	899.86	70.24	13.811	
12,500.00	10,388.00	11,601.45	9,472.00	44.57	42.89	19.22	2,092.81	1,248.87	970.10	898.40	71.70	13.531	
12,600.00	10,388.00	11,701.45	9,472.00	45.60	43.95	19.23	2,192.80	1,248.17	970.10	896.94	73.17	13.259	
12,700.00	10,388.00	11,801.45	9,472.00	46.65	45.04	19.23	2,292.80	1,247.47	970.10	895.46	74.65	12.996	
12,800.00	10,388.00	11,901.45	9,472.00	47.72	46.14	19.23	2,392.80	1,246.77	970.11	893.97	76.14	12.741	
12,900.00	10,388.00	12,001.45	9,472.00	48.81	47.27	19.23	2,492.80	1,246.08	970.11	892.46	77.64	12.494	
13,000.00	10,388.00	12,101.45	9,472.00	49.91	48.40	19.23	2,592.79	1,245.38	970.11	890.95	79.16	12.255	
13,100.00	10,388.00	12,201.45	9,472.00	51.03	49.55	19.23	2,692.79	1,244.68	970.11	889.43	80.69	12.023	
13,200.00	10,388.00	12,301.45	9,472.00	52.17	50.72	19.23	2,792.79	1,243.98	970.12	887.89	82.22	11.799	
13,300.00	10,388.00	12,401.45	9,472.00	53.32	51.90	19.23	2,892.79	1,243.28	970.12	886.35	83.76	11.581	
13,400.00	10,388.00	12,501.45	9,472.00	54.49	53.09	19.23	2,992.78	1,242.59	970.12	884.80	85.32	11.371	
13,500.00	10,388.00	12,601.45	9,472.00	55.66	54.30	19.23	3,092.78	1,241.89	970.12	883.24	86.88	11.167	
13,600.00	10,388.00	12,701.45	9,472.00	56.85	55.51	19.23	3,192.78	1,241.19	970.12	881.68	88.45	10.969	
13,700.00	10,388.00	12,801.45	9,472.00	58.05	56.74	19.23	3,292.78	1,240.49	970.13	880.10	90.02	10.777	
13,800.00	10,388.00	12,901.45	9,472.00	59.27	57.97	19.23	3,392.77	1,239.80	970.13	878.52	91.60	10.590	
13,900.00	10,388.00	13,001.45	9,472.00	60.49	59.22	19.23	3,492.77	1,239.10	970.13	876.94	93.19	10.410	
14,000.00	10,388.00	13,101.45	9,472.00	61.72	60.47	19.23	3,592.77	1,238.40	970.13	875.34	94.79	10.235	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 304H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	10,388.00	13,201.45	9,472.00	62.96	61.73	19.23	3,692.77	1,237.70	970.13	873.75	96.39	10.065	
14,200.00	10,388.00	13,301.45	9,472.00	64.21	63.00	19.23	3,792.76	1,237.01	970.14	872.14	97.99	9.900	
14,300.00	10,388.00	13,401.45	9,472.00	65.46	64.27	19.23	3,892.76	1,236.31	970.14	870.53	99.61	9.740	
14,400.00	10,388.00	13,501.45	9,472.00	66.72	65.56	19.23	3,992.76	1,235.61	970.14	868.92	101.22	9.584	
14,500.00	10,388.00	13,601.45	9,472.00	68.00	66.85	19.23	4,092.76	1,234.91	970.14	867.30	102.84	9.433	
14,600.00	10,388.00	13,701.45	9,472.00	69.27	68.14	19.23	4,192.75	1,234.21	970.14	865.67	104.47	9.286	
14,700.00	10,388.00	13,801.45	9,472.00	70.56	69.44	19.23	4,292.75	1,233.52	970.15	864.05	106.10	9.144	
14,800.00	10,388.00	13,901.45	9,472.00	71.85	70.75	19.23	4,392.75	1,232.82	970.15	862.41	107.74	9.005	
14,900.00	10,388.00	14,001.45	9,472.00	73.14	72.06	19.23	4,492.75	1,232.12	970.15	860.78	109.37	8.870	
15,000.00	10,388.00	14,101.45	9,472.00	74.44	73.38	19.23	4,592.75	1,231.42	970.15	859.14	111.02	8.739	
15,100.00	10,388.00	14,201.45	9,472.00	75.75	74.70	19.23	4,692.74	1,230.73	970.15	857.49	112.66	8.611	
15,200.00	10,388.00	14,301.45	9,472.00	77.06	76.02	19.23	4,792.74	1,230.03	970.16	855.84	114.31	8.487	
15,300.00	10,388.00	14,401.45	9,472.00	78.38	77.35	19.23	4,892.74	1,229.33	970.16	854.19	115.97	8.366	
15,400.00	10,388.00	14,501.45	9,472.00	79.70	78.69	19.24	4,992.74	1,228.63	970.16	852.54	117.62	8.248	
15,500.00	10,388.00	14,601.45	9,472.00	81.02	80.03	19.24	5,092.73	1,227.93	970.16	850.88	119.28	8.133	
15,600.00	10,388.00	14,701.45	9,472.00	82.35	81.37	19.24	5,192.73	1,227.24	970.17	849.22	120.94	8.022	
15,700.00	10,388.00	14,801.45	9,472.00	83.68	82.71	19.24	5,292.73	1,226.54	970.17	847.56	122.61	7.913	
15,800.00	10,388.00	14,901.45	9,472.00	85.02	84.06	19.24	5,392.73	1,225.84	970.17	845.89	124.28	7.806	
15,900.00	10,388.00	15,001.45	9,472.00	86.36	85.41	19.24	5,492.72	1,225.14	970.17	844.22	125.95	7.703	
16,000.00	10,388.00	15,101.45	9,472.00	87.70	86.77	19.24	5,592.72	1,224.45	970.17	842.55	127.62	7.602	
16,100.00	10,388.00	15,201.45	9,472.00	89.05	88.12	19.24	5,692.72	1,223.75	970.18	840.88	129.30	7.503	
16,200.00	10,388.00	15,301.45	9,472.00	90.40	89.49	19.24	5,792.72	1,223.05	970.18	839.20	130.98	7.407	
16,300.00	10,388.00	15,401.45	9,472.00	91.75	90.85	19.24	5,892.71	1,222.35	970.18	837.52	132.66	7.314	
16,400.00	10,388.00	15,501.45	9,472.00	93.11	92.21	19.24	5,992.71	1,221.66	970.18	835.84	134.34	7.222	
16,500.00	10,388.00	15,601.45	9,472.00	94.46	93.58	19.24	6,092.71	1,220.96	970.18	834.16	136.02	7.133	
16,600.00	10,388.00	15,701.45	9,472.00	95.83	94.95	19.24	6,192.71	1,220.26	970.19	832.48	137.71	7.045	
16,700.00	10,388.00	15,801.45	9,472.00	97.19	96.32	19.24	6,292.70	1,219.56	970.19	830.79	139.40	6.960	
16,800.00	10,388.00	15,901.45	9,472.00	98.55	97.70	19.24	6,392.70	1,218.86	970.19	829.10	141.09	6.877	
16,900.00	10,388.00	16,001.45	9,472.00	99.92	99.08	19.24	6,492.70	1,218.17	970.19	827.41	142.78	6.795	
17,000.00	10,388.00	16,101.45	9,472.00	101.29	100.45	19.24	6,592.70	1,217.47	970.19	825.72	144.47	6.715	
17,100.00	10,388.00	16,201.45	9,472.00	102.66	101.83	19.24	6,692.69	1,216.77	970.20	824.03	146.17	6.638	
17,200.00	10,388.00	16,301.45	9,472.00	104.04	103.22	19.24	6,792.69	1,216.07	970.20	822.33	147.86	6.561	
17,300.00	10,388.00	16,401.45	9,472.00	105.41	104.60	19.24	6,892.69	1,215.38	970.20	820.64	149.56	6.487	
17,400.00	10,388.00	16,501.45	9,472.00	106.79	105.99	19.24	6,992.69	1,214.68	970.20	818.94	151.26	6.414	
17,500.00	10,388.00	16,601.45	9,472.00	108.17	107.37	19.24	7,092.68	1,213.98	970.20	817.24	152.96	6.343	
17,600.00	10,388.00	16,701.45	9,472.00	109.55	108.76	19.24	7,192.68	1,213.28	970.21	815.54	154.67	6.273	
17,700.00	10,388.00	16,801.45	9,472.00	110.94	110.15	19.24	7,292.68	1,212.58	970.21	813.84	156.37	6.205	
17,800.00	10,388.00	16,901.45	9,472.00	112.32	111.54	19.24	7,392.68	1,211.89	970.21	812.13	158.08	6.138	
17,900.00	10,388.00	17,001.45	9,472.00	113.71	112.94	19.24	7,492.67	1,211.19	970.21	810.43	159.78	6.072	
18,000.00	10,388.00	17,101.45	9,472.00	115.09	114.33	19.24	7,592.67	1,210.49	970.21	808.72	161.49	6.008	
18,100.00	10,388.00	17,201.45	9,472.00	116.48	115.73	19.24	7,692.67	1,209.79	970.22	807.02	163.20	5.945	
18,200.00	10,388.00	17,301.45	9,472.00	117.87	117.12	19.25	7,792.67	1,209.10	970.22	805.31	164.91	5.883	
18,300.00	10,388.00	17,401.45	9,472.00	119.27	118.52	19.25	7,892.66	1,208.40	970.22	803.60	166.62	5.823	
18,400.00	10,388.00	17,501.45	9,472.00	120.66	119.92	19.25	7,992.66	1,207.70	970.22	801.89	168.34	5.764	
18,500.00	10,388.00	17,601.45	9,472.00	122.05	121.32	19.25	8,092.66	1,207.00	970.23	800.18	170.05	5.706	
18,600.00	10,388.00	17,701.45	9,472.00	123.45	122.72	19.25	8,192.66	1,206.31	970.23	798.46	171.76	5.649	
18,700.00	10,388.00	17,801.45	9,472.00	124.85	124.13	19.25	8,292.66	1,205.61	970.23	796.75	173.48	5.593	
18,800.00	10,388.00	17,901.45	9,472.00	126.24	125.53	19.25	8,392.65	1,204.91	970.23	795.04	175.20	5.538	
18,900.00	10,388.00	18,001.45	9,472.00	127.64	126.93	19.25	8,492.65	1,204.21	970.23	793.32	176.91	5.484	
19,000.00	10,388.00	18,101.45	9,472.00	129.04	128.34	19.25	8,592.65	1,203.51	970.24	791.60	178.63	5.431	
19,100.00	10,388.00	18,201.45	9,472.00	130.45	129.75	19.25	8,692.65	1,202.82	970.24	789.89	180.35	5.380	
19,200.00	10,388.00	18,301.45	9,472.00	131.85	131.15	19.25	8,792.64	1,202.12	970.24	788.17	182.07	5.329	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 304H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.00	10,388.00	18,401.45	9,472.00	133.25	132.56	19.25	8,892.64	1,201.42	970.24	786.45	183.79	5.279	
19,400.00	10,388.00	18,501.45	9,472.00	134.65	133.97	19.25	8,992.64	1,200.72	970.24	784.73	185.51	5.230	
19,500.00	10,388.00	18,601.45	9,472.00	136.06	135.38	19.25	9,092.64	1,200.03	970.25	783.01	187.24	5.182	
19,600.00	10,388.00	18,701.45	9,472.00	137.47	136.79	19.25	9,192.63	1,199.33	970.25	781.29	188.96	5.135	
19,700.00	10,388.00	18,801.45	9,472.00	138.87	138.20	19.25	9,292.63	1,198.63	970.25	779.56	190.69	5.088	
19,800.00	10,388.00	18,901.45	9,472.00	140.28	139.62	19.25	9,392.63	1,197.93	970.25	777.84	192.41	5.043	
19,900.00	10,388.00	19,001.45	9,472.00	141.69	141.03	19.25	9,492.63	1,197.23	970.25	776.12	194.14	4.998	
20,000.00	10,388.00	19,101.45	9,472.00	143.10	142.44	19.25	9,592.62	1,196.54	970.26	774.39	195.86	4.954	
20,100.00	10,388.00	19,201.45	9,472.00	144.51	143.86	19.25	9,692.62	1,195.84	970.26	772.67	197.59	4.910	
20,200.00	10,388.00	19,301.45	9,472.00	145.92	145.27	19.25	9,792.62	1,195.14	970.26	770.94	199.32	4.868	
20,300.00	10,388.00	19,401.45	9,472.00	147.33	146.69	19.25	9,892.62	1,194.44	970.26	769.22	201.05	4.826	
20,400.00	10,388.00	19,501.45	9,472.00	148.74	148.10	19.25	9,992.61	1,193.75	970.26	767.49	202.78	4.785	
20,500.00	10,388.00	19,601.45	9,472.00	150.15	149.52	19.25	10,092.61	1,193.05	970.27	765.76	204.50	4.744	
20,600.00	10,388.00	19,701.45	9,472.00	151.57	150.94	19.25	10,192.61	1,192.35	970.27	764.03	206.24	4.705	
20,644.35	10,388.00	19,745.80	9,472.00	152.19	151.56	19.25	10,236.95	1,192.04	970.27	763.27	207.00	4.687 SF	

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 503H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.34	-0.15	-25.00	25.00				
100.00	100.00	100.00	100.00	0.79	0.79	-90.34	-0.15	-25.00	25.00	23.42	1.58	15.782	
200.00	200.00	200.00	200.00	1.45	1.45	-90.34	-0.15	-25.00	25.00	22.10	2.90	8.623	
300.00	300.00	300.00	300.00	1.89	1.89	-90.34	-0.15	-25.00	25.00	21.21	3.79	6.598	
400.00	400.00	400.00	400.00	2.26	2.26	-90.34	-0.15	-25.00	25.00	20.49	4.51	5.541	
500.00	500.00	500.00	500.00	2.57	2.57	-90.34	-0.15	-25.00	25.00	19.86	5.14	4.864	
600.00	600.00	600.00	600.00	2.85	2.85	-90.34	-0.15	-25.00	25.00	19.30	5.70	4.384	
700.00	700.00	700.00	700.00	3.11	3.11	-90.34	-0.15	-25.00	25.00	18.78	6.22	4.020	
800.00	800.00	800.00	800.00	3.35	3.35	-90.34	-0.15	-25.00	25.00	18.30	6.70	3.731	
900.00	900.00	900.00	900.00	3.58	3.58	-90.34	-0.15	-25.00	25.00	17.85	7.15	3.495	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-90.34	-0.15	-25.00	25.00	17.42	7.58	3.297	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	-90.34	-0.15	-25.00	25.00	17.01	7.99	3.128	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-90.34	-0.15	-25.00	25.00	16.62	8.38	2.982	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-90.34	-0.15	-25.00	25.00	16.24	8.76	2.853	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-90.34	-0.15	-25.00	25.00	15.87	9.13	2.739	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-90.34	-0.15	-25.00	25.00	15.52	9.48	2.637	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-90.34	-0.15	-25.00	25.00	15.17	9.83	2.544	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-90.34	-0.15	-25.00	25.00	14.84	10.16	2.461	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-90.34	-0.15	-25.00	25.00	14.51	10.49	2.384	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-90.34	-0.15	-25.00	25.00	14.19	10.81	2.313	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-90.34	-0.15	-25.00	25.00	13.88	11.12	2.248	CC, ES, SF
2,100.00	2,100.00	2,099.51	2,099.50	5.71	5.73	-92.36	-1.07	-25.92	25.94	14.52	11.42	2.271	
2,200.00	2,200.00	2,198.89	2,198.80	5.86	5.89	-97.57	-3.81	-28.66	28.94	17.23	11.71	2.471	
2,300.00	2,300.00	2,298.00	2,297.70	6.01	6.07	-104.14	-8.37	-33.22	34.33	22.31	12.02	2.857	
2,400.00	2,400.00	2,396.71	2,396.00	6.16	6.26	-110.39	-14.70	-39.55	42.39	30.05	12.34	3.435	
2,500.00	2,500.00	2,494.90	2,493.51	6.30	6.48	-115.56	-22.79	-47.64	53.21	40.53	12.68	4.196	
2,600.00	2,600.00	2,593.42	2,591.10	6.44	6.64	-119.49	-32.35	-57.20	66.31	53.34	12.97	5.111	
2,700.00	2,700.00	2,692.44	2,689.16	6.58	6.87	-122.16	-42.09	-66.94	79.82	66.47	13.35	5.979	
2,800.00	2,800.00	2,791.47	2,787.23	6.72	7.12	-124.06	-51.84	-76.69	93.44	79.70	13.74	6.799	
2,900.00	2,900.00	2,890.50	2,885.29	6.85	7.39	-125.47	-61.58	-86.43	107.14	92.99	14.15	7.571	
3,000.00	3,000.00	2,989.52	2,983.35	6.98	7.67	-126.56	-71.33	-96.18	120.89	106.32	14.57	8.295	
3,100.00	3,099.99	3,088.61	3,081.49	7.13	7.92	131.40	-80.74	-106.14	135.50	120.54	14.96	9.057	
3,200.00	3,199.91	3,187.51	3,179.47	7.27	8.22	132.63	-88.17	-117.31	151.65	136.27	15.38	9.860	
3,300.00	3,299.69	3,285.76	3,276.79	7.42	8.50	135.08	-93.41	-129.73	169.62	153.83	15.78	10.747	
3,400.00	3,399.27	3,383.27	3,373.35	7.59	8.81	137.86	-97.75	-142.59	189.79	173.57	16.22	11.699	
3,500.00	3,498.57	3,480.20	3,469.33	7.78	9.12	140.50	-102.05	-155.38	212.34	195.64	16.69	12.722	
3,597.91	3,595.47	3,574.46	3,562.68	7.99	9.44	142.91	-106.24	-167.81	236.77	219.61	17.17	13.793	
3,600.00	3,597.54	3,576.47	3,564.67	7.99	9.45	142.97	-106.33	-168.07	237.32	220.15	17.18	13.816	
3,700.00	3,696.31	3,672.41	3,659.67	8.49	9.77	145.32	-110.60	-180.73	263.71	245.75	17.96	14.681	
3,800.00	3,795.09	3,768.35	3,754.68	8.71	10.11	147.24	-114.86	-193.38	290.44	271.96	18.48	15.720	
3,900.00	3,893.87	3,864.29	3,849.69	8.95	10.45	148.84	-119.13	-206.03	317.43	298.41	19.01	16.695	
4,000.00	3,992.65	3,960.23	3,944.70	9.20	10.79	150.19	-123.39	-218.69	344.60	325.03	19.57	17.608	
4,100.00	4,091.42	4,056.18	4,039.70	9.46	11.14	151.34	-127.66	-231.34	371.94	351.79	20.15	18.460	
4,200.00	4,190.20	4,152.12	4,134.71	9.74	11.49	152.34	-131.92	-243.99	399.39	378.64	20.74	19.253	
4,300.00	4,288.98	4,248.06	4,229.72	10.03	11.85	153.20	-136.19	-256.65	426.94	405.58	21.36	19.991	
4,400.00	4,387.75	4,344.00	4,324.73	10.33	12.21	153.97	-140.45	-269.30	454.57	432.58	21.98	20.677	
4,500.00	4,486.53	4,439.94	4,419.73	10.64	12.58	154.64	-144.72	-281.95	482.26	459.64	22.63	21.315	
4,600.00	4,585.31	4,535.88	4,514.74	10.96	12.95	155.24	-148.98	-294.61	510.01	486.73	23.28	21.907	
4,700.00	4,684.09	4,631.82	4,609.75	11.29	13.32	155.79	-153.24	-307.26	537.81	513.87	23.95	22.459	
4,800.00	4,782.86	4,727.76	4,704.76	11.63	13.69	156.27	-157.51	-319.92	565.65	541.03	24.62	22.972	
4,900.00	4,881.64	4,823.71	4,799.76	11.97	14.07	156.71	-161.77	-332.57	593.52	568.21	25.31	23.449	
5,000.00	4,980.42	4,919.65	4,894.77	12.32	14.45	157.12	-166.04	-345.22	621.42	595.42	26.01	23.894	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 503H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,079.20	5,015.59	4,989.78	12.68	14.83	157.48	-170.30	-357.88	649.35	622.64	26.71	24.310	
5,200.00	5,177.97	5,111.53	5,084.79	13.04	15.21	157.82	-174.57	-370.53	677.30	649.88	27.42	24.698	
5,300.00	5,276.75	5,207.47	5,179.79	13.41	15.60	158.13	-178.83	-383.18	705.27	677.13	28.14	25.060	
5,400.00	5,375.53	5,303.41	5,274.80	13.78	15.98	158.42	-183.10	-395.84	733.26	704.39	28.87	25.399	
5,500.00	5,474.31	5,399.35	5,369.81	14.15	16.37	158.68	-187.36	-408.49	761.26	731.66	29.60	25.717	
5,600.00	5,573.08	5,499.02	5,468.51	14.53	16.76	158.94	-191.78	-421.59	789.25	758.90	30.35	26.005	
5,700.00	5,671.86	5,620.68	5,589.31	14.92	17.25	159.26	-196.39	-435.27	815.32	784.05	31.27	26.074	
5,800.00	5,770.64	5,744.26	5,712.42	15.30	17.72	159.61	-199.81	-445.42	838.34	806.20	32.14	26.083	
5,900.00	5,869.42	5,869.53	5,837.49	15.69	18.15	159.99	-201.98	-451.86	858.26	825.30	32.96	26.041	
6,000.00	5,968.19	5,996.25	5,964.19	16.09	18.49	160.41	-202.84	-454.41	875.01	841.34	33.67	25.985	
6,100.00	6,066.97	6,099.04	6,066.97	16.48	18.56	160.76	-202.85	-454.45	889.77	855.66	34.11	26.088	
6,200.00	6,165.75	6,197.81	6,165.75	16.88	18.60	161.08	-202.85	-454.45	904.52	869.99	34.52	26.199	
6,300.00	6,264.53	6,296.59	6,264.53	17.28	18.64	161.40	-202.85	-454.45	919.30	884.35	34.95	26.306	
6,400.00	6,363.30	6,395.37	6,363.30	17.68	18.68	161.70	-202.85	-454.45	934.10	898.73	35.37	26.409	
6,500.00	6,462.08	6,494.15	6,462.08	18.09	18.72	162.00	-202.85	-454.45	948.93	913.14	35.80	26.508	
6,600.00	6,560.86	6,592.92	6,560.86	18.50	18.76	162.28	-202.85	-454.45	963.79	927.56	36.23	26.603	
6,700.00	6,659.63	6,691.70	6,659.63	18.90	18.80	162.56	-202.85	-454.45	978.67	942.01	36.66	26.694	
6,800.00	6,758.41	6,790.48	6,758.41	19.31	18.84	162.83	-202.85	-454.45	993.57	956.47	37.10	26.782	

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 603H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.63	0.16	24.99	24.99				
100.00	100.00	100.00	100.00	0.79	0.79	89.63	0.16	24.99	24.99	23.41	1.58	15.775	
200.00	200.00	200.00	200.00	1.45	1.45	89.63	0.16	24.99	24.99	22.09	2.90	8.620	
300.00	300.00	300.00	300.00	1.89	1.89	89.63	0.16	24.99	24.99	21.20	3.79	6.596	
400.00	400.00	400.00	400.00	2.26	2.26	89.63	0.16	24.99	24.99	20.48	4.51	5.539	
500.00	500.00	500.00	500.00	2.57	2.57	89.63	0.16	24.99	24.99	19.85	5.14	4.863	
600.00	600.00	600.00	600.00	2.85	2.85	89.63	0.16	24.99	24.99	19.29	5.70	4.382	
700.00	700.00	700.00	700.00	3.11	3.11	89.63	0.16	24.99	24.99	18.77	6.22	4.018	
800.00	800.00	800.00	800.00	3.35	3.35	89.63	0.16	24.99	24.99	18.29	6.70	3.729	
900.00	900.00	900.00	900.00	3.58	3.58	89.63	0.16	24.99	24.99	17.84	7.15	3.494	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.63	0.16	24.99	24.99	17.41	7.58	3.296	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.63	0.16	24.99	24.99	17.00	7.99	3.127	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.63	0.16	24.99	24.99	16.61	8.38	2.981	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.63	0.16	24.99	24.99	16.23	8.76	2.852	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.63	0.16	24.99	24.99	15.86	9.13	2.738	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.63	0.16	24.99	24.99	15.51	9.48	2.636	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.63	0.16	24.99	24.99	15.16	9.83	2.543	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.63	0.16	24.99	24.99	14.83	10.16	2.460	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.63	0.16	24.99	24.99	14.50	10.49	2.383	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.63	0.16	24.99	24.99	14.18	10.81	2.312	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.63	0.16	24.99	24.99	13.87	11.12	2.247	
2,034.96	2,034.96	2,034.96	2,034.96	5.61	5.62	90.00	0.00	24.99	24.99	13.77	11.22	2.228 CC	
2,100.00	2,100.00	2,099.98	2,099.97	5.71	5.73	92.63	-1.15	24.99	25.02	13.61	11.40	2.194 ES	
2,200.00	2,200.00	2,199.83	2,199.73	5.86	5.88	101.46	-5.07	24.99	25.50	13.84	11.66	2.187 SF	
2,300.00	2,300.00	2,299.58	2,299.28	6.01	5.99	114.79	-11.52	24.95	27.49	15.61	11.88	2.313	
2,400.00	2,400.00	2,400.09	2,399.54	6.16	6.18	128.08	-18.24	23.28	29.58	17.35	12.23	2.418	
2,500.00	2,500.00	2,500.52	2,499.73	6.30	6.34	141.33	-23.95	19.17	30.68	18.13	12.55	2.445	
2,600.00	2,600.00	2,600.25	2,599.19	6.44	6.65	154.33	-29.19	14.03	32.40	19.40	13.00	2.492	
2,700.00	2,700.00	2,699.98	2,698.65	6.58	6.84	165.52	-34.43	8.89	35.59	22.26	13.33	2.670	
2,800.00	2,800.00	2,799.71	2,798.10	6.72	7.04	174.60	-39.67	3.75	39.89	26.22	13.67	2.918	
2,900.00	2,900.00	2,899.44	2,897.56	6.85	7.26	-178.23	-44.91	-1.39	45.00	30.97	14.03	3.207	
3,000.00	3,000.00	2,999.17	2,997.02	6.98	7.49	-172.58	-50.15	-6.53	50.66	36.26	14.40	3.518	
3,100.00	3,099.99	3,098.83	3,096.42	7.13	7.73	91.53	-55.39	-11.66	56.74	41.97	14.77	3.841	
3,200.00	3,199.91	3,198.32	3,195.64	7.27	7.98	98.40	-60.61	-16.79	63.61	48.46	15.15	4.200	
3,300.00	3,299.69	3,297.58	3,294.62	7.42	8.24	105.84	-65.83	-21.91	71.91	56.38	15.54	4.629	
3,400.00	3,399.27	3,396.52	3,393.29	7.59	8.51	113.30	-71.03	-27.01	82.20	66.27	15.93	5.160	
3,500.00	3,498.57	3,495.08	3,491.59	7.78	8.78	120.34	-76.20	-32.09	94.90	78.58	16.33	5.813	
3,597.91	3,595.47	3,591.16	3,587.41	7.99	9.06	126.57	-81.25	-37.04	109.92	93.21	16.71	6.576	
3,600.00	3,597.54	3,593.20	3,589.45	7.99	9.06	126.70	-81.36	-37.15	110.27	93.55	16.72	6.594	
3,700.00	3,696.31	3,691.09	3,687.07	8.49	9.35	132.04	-86.50	-42.19	127.54	110.12	17.43	7.319	
3,800.00	3,795.09	3,788.98	3,784.69	8.71	9.64	136.09	-91.64	-47.24	145.64	127.80	17.84	8.166	
3,900.00	3,893.87	3,886.87	3,882.31	8.95	9.93	139.25	-96.79	-52.28	164.28	146.02	18.26	8.995	
4,000.00	3,992.65	3,984.75	3,979.93	9.20	10.23	141.75	-101.93	-57.33	183.32	164.60	18.71	9.796	
4,100.00	4,091.42	4,082.64	4,077.56	9.46	10.54	143.79	-107.07	-62.37	202.62	183.44	19.18	10.564	
4,200.00	4,190.20	4,180.53	4,175.18	9.74	10.84	145.47	-112.21	-67.42	222.14	202.47	19.67	11.296	
4,300.00	4,288.98	4,278.41	4,272.80	10.03	11.15	146.88	-117.36	-72.46	241.80	221.64	20.17	11.990	
4,400.00	4,387.75	4,376.30	4,370.42	10.33	11.47	148.08	-122.50	-77.51	261.59	240.91	20.68	12.647	
4,500.00	4,486.53	4,474.19	4,468.04	10.64	11.79	149.10	-127.64	-82.55	281.47	260.26	21.21	13.268	
4,600.00	4,585.31	4,572.08	4,565.66	10.96	12.11	150.00	-132.78	-87.60	301.43	279.67	21.76	13.854	
4,700.00	4,684.09	4,669.96	4,663.29	11.29	12.43	150.78	-137.93	-92.64	321.45	299.14	22.31	14.407	
4,800.00	4,782.86	4,767.85	4,760.91	11.63	12.75	151.47	-143.07	-97.69	341.52	318.64	22.88	14.929	
4,900.00	4,881.64	4,865.74	4,858.53	11.97	13.08	152.08	-148.21	-102.73	361.63	338.18	23.45	15.421	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 603H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.42	4,963.62	4,956.15	12.32	13.41	152.63	-153.36	-107.78	381.78	357.74	24.03	15.884	
5,100.00	5,079.20	5,061.51	5,053.77	12.68	13.74	153.13	-158.50	-112.82	401.96	377.33	24.63	16.322	
5,200.00	5,177.97	5,159.40	5,151.39	13.04	14.07	153.57	-163.64	-117.87	422.16	396.93	25.23	16.735	
5,300.00	5,276.75	5,257.28	5,249.01	13.41	14.41	153.98	-168.78	-122.91	442.39	416.55	25.83	17.125	
5,400.00	5,375.53	5,355.17	5,346.64	13.78	14.74	154.35	-173.93	-127.96	462.63	436.19	26.45	17.493	
5,500.00	5,474.31	5,453.06	5,444.26	14.15	15.08	154.69	-179.07	-133.00	482.90	455.83	27.07	17.842	
5,600.00	5,573.08	5,550.95	5,541.88	14.53	15.42	155.00	-184.21	-138.05	503.17	475.48	27.69	18.172	
5,700.00	5,671.86	5,648.83	5,639.50	14.92	15.76	155.29	-189.35	-143.09	523.46	495.15	28.32	18.484	
5,800.00	5,770.64	5,749.20	5,739.60	15.30	16.09	155.57	-194.59	-148.23	543.73	514.77	28.95	18.779	
5,900.00	5,869.42	5,860.90	5,851.13	15.69	16.45	155.98	-198.86	-152.42	562.40	532.76	29.64	18.976	
6,000.00	5,968.19	5,973.42	5,963.62	16.09	16.71	156.54	-200.81	-154.33	578.70	548.47	30.22	19.147	
6,100.00	6,066.97	6,076.77	6,066.97	16.48	16.80	157.16	-200.93	-154.45	593.18	562.53	30.65	19.352	
6,200.00	6,165.75	6,175.55	6,165.75	16.88	16.84	157.73	-200.93	-154.45	607.61	576.56	31.04	19.574	
6,300.00	6,264.53	6,274.33	6,264.53	17.28	16.88	158.27	-200.93	-154.45	622.09	590.65	31.44	19.787	
6,400.00	6,363.30	6,373.10	6,363.30	17.68	16.92	158.79	-200.93	-154.45	636.62	604.78	31.84	19.993	
6,500.00	6,462.08	6,471.88	6,462.08	18.09	16.96	159.28	-200.93	-154.45	651.20	618.95	32.25	20.193	
6,600.00	6,560.86	6,570.66	6,560.86	18.50	17.00	159.76	-200.93	-154.45	665.82	633.16	32.66	20.386	
6,700.00	6,659.63	6,669.44	6,659.63	18.90	17.04	160.21	-200.93	-154.45	680.49	647.42	33.08	20.573	
6,800.00	6,758.41	6,768.21	6,758.41	19.31	17.09	160.65	-200.93	-154.45	695.20	661.70	33.50	20.754	
6,900.00	6,857.19	6,866.99	6,857.19	19.73	17.13	161.06	-200.93	-154.45	709.95	676.03	33.92	20.930	
7,000.00	6,955.97	6,965.77	6,955.97	20.14	17.17	161.46	-200.93	-154.45	724.73	690.38	34.35	21.100	
7,100.00	7,054.74	7,064.55	7,054.74	20.55	17.21	161.85	-200.93	-154.45	739.54	704.77	34.78	21.264	
7,200.00	7,153.52	7,163.32	7,153.52	20.97	17.26	162.21	-200.93	-154.45	754.39	719.18	35.21	21.424	
7,300.00	7,252.30	7,262.10	7,252.30	21.39	17.30	162.57	-200.93	-154.45	769.27	733.62	35.65	21.578	
7,400.00	7,351.08	7,360.88	7,351.08	21.80	17.34	162.91	-200.93	-154.45	784.17	748.08	36.09	21.728	
7,500.00	7,449.85	7,459.66	7,449.85	22.22	17.39	163.24	-200.93	-154.45	799.10	762.57	36.53	21.874	
7,600.00	7,548.63	7,558.43	7,548.63	22.64	17.43	163.55	-200.93	-154.45	814.05	777.08	36.98	22.015	
7,700.00	7,647.41	7,657.21	7,647.41	23.07	17.47	163.86	-200.93	-154.45	829.03	791.61	37.43	22.152	
7,800.00	7,746.19	7,755.99	7,746.19	23.49	17.52	164.15	-200.93	-154.45	844.03	806.15	37.88	22.284	
7,900.00	7,844.96	7,854.77	7,844.96	23.91	17.56	164.44	-200.93	-154.45	859.05	820.72	38.33	22.413	
8,000.00	7,943.74	7,953.54	7,943.74	24.34	17.61	164.71	-200.93	-154.45	874.09	835.31	38.78	22.538	
8,100.00	8,042.52	8,052.32	8,042.52	24.76	17.65	164.97	-200.93	-154.45	889.15	849.91	39.24	22.660	
8,200.00	8,141.30	8,151.10	8,141.30	25.19	17.70	165.23	-200.93	-154.45	904.23	864.53	39.70	22.778	
8,300.00	8,240.07	8,249.88	8,240.07	25.61	17.75	165.48	-200.93	-154.45	919.32	879.17	40.16	22.893	
8,400.00	8,338.85	8,348.65	8,338.85	26.04	17.79	165.72	-200.93	-154.45	934.43	893.81	40.62	23.004	
8,500.00	8,437.63	8,447.43	8,437.63	26.47	17.84	165.95	-200.93	-154.45	949.56	908.48	41.08	23.113	
8,600.00	8,536.41	8,546.21	8,536.41	26.90	17.89	166.17	-200.93	-154.45	964.70	923.15	41.55	23.218	
8,700.00	8,635.18	8,644.98	8,635.18	27.32	17.93	166.39	-200.93	-154.45	979.86	937.84	42.02	23.321	
8,800.00	8,733.96	8,743.76	8,733.96	27.75	17.98	166.60	-200.93	-154.45	995.03	952.54	42.49	23.420	

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 604H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.63	0.32	49.99	49.99				
100.00	100.00	100.00	100.00	0.79	0.79	89.63	0.32	49.99	49.99	48.41	1.58	31.557	
200.00	200.00	200.00	200.00	1.45	1.45	89.63	0.32	49.99	49.99	47.09	2.90	17.243	
300.00	300.00	300.00	300.00	1.89	1.89	89.63	0.32	49.99	49.99	46.20	3.79	13.194	
400.00	400.00	400.00	400.00	2.26	2.26	89.63	0.32	49.99	49.99	45.48	4.51	11.080	
500.00	500.00	500.00	500.00	2.57	2.57	89.63	0.32	49.99	49.99	44.85	5.14	9.727	
600.00	600.00	600.00	600.00	2.85	2.85	89.63	0.32	49.99	49.99	44.29	5.70	8.766	
700.00	700.00	700.00	700.00	3.11	3.11	89.63	0.32	49.99	49.99	43.77	6.22	8.037	
800.00	800.00	800.00	800.00	3.35	3.35	89.63	0.32	49.99	49.99	43.29	6.70	7.460	
900.00	900.00	900.00	900.00	3.58	3.58	89.63	0.32	49.99	49.99	42.84	7.15	6.989	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.63	0.32	49.99	49.99	42.41	7.58	6.593	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.63	0.32	49.99	49.99	42.00	7.99	6.255	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.63	0.32	49.99	49.99	41.61	8.38	5.963	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.63	0.32	49.99	49.99	41.23	8.76	5.705	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.63	0.32	49.99	49.99	40.86	9.13	5.477	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.63	0.32	49.99	49.99	40.51	9.48	5.272	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.63	0.32	49.99	49.99	40.17	9.83	5.088	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.63	0.32	49.99	49.99	39.83	10.16	4.920	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.63	0.32	49.99	49.99	39.50	10.49	4.767	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.63	0.32	49.99	49.99	39.18	10.81	4.626	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.63	0.32	49.99	49.99	38.87	11.12	4.496	CC, ES
2,100.00	2,100.00	2,099.23	2,099.21	5.71	5.75	88.45	1.38	50.73	50.75	39.32	11.43	4.439	
2,200.00	2,200.00	2,198.32	2,198.23	5.86	5.94	85.10	4.54	52.94	53.17	41.42	11.75	4.526	
2,300.00	2,300.00	2,297.14	2,296.84	6.01	6.15	80.20	9.78	56.62	57.54	45.47	12.07	4.768	
2,400.00	2,400.00	2,395.57	2,394.87	6.16	6.37	74.53	17.08	61.73	64.25	51.85	12.40	5.180	
2,500.00	2,500.00	2,494.27	2,493.04	6.30	6.59	70.17	24.68	68.44	73.09	60.34	12.75	5.732	
2,600.00	2,600.00	2,592.98	2,591.21	6.44	6.81	68.41	30.42	76.89	83.15	70.05	13.10	6.347	
2,700.00	2,700.00	2,691.54	2,689.17	6.58	7.04	68.51	34.28	87.05	94.18	80.72	13.46	6.998	
2,800.00	2,800.00	2,789.82	2,786.72	6.72	7.26	69.86	36.27	98.90	106.17	92.36	13.82	7.685	
2,900.00	2,900.00	2,887.70	2,883.66	6.85	7.48	72.05	36.41	112.39	119.26	105.09	14.17	8.416	
3,000.00	3,000.00	2,985.05	2,979.81	6.98	7.71	74.77	34.71	127.48	133.65	119.12	14.53	9.199	
3,100.00	3,099.99	3,082.17	3,075.42	7.13	7.91	-23.93	31.22	144.16	148.36	133.49	14.86	9.981	
3,200.00	3,199.91	3,181.11	3,172.67	7.27	8.16	-21.55	26.91	161.83	161.49	146.24	15.25	10.589	
3,300.00	3,299.69	3,280.39	3,270.26	7.42	8.43	-19.84	22.59	179.57	172.41	156.72	15.69	10.991	
3,400.00	3,399.27	3,379.95	3,368.13	7.59	8.72	-18.60	18.26	197.35	180.97	164.81	16.16	11.199	
3,500.00	3,498.57	3,479.72	3,466.20	7.78	9.03	-17.72	13.91	215.17	187.12	170.45	16.67	11.225	
3,597.91	3,595.47	3,577.54	3,562.35	7.99	9.34	-17.15	9.66	232.64	190.76	173.56	17.20	11.090	
3,600.00	3,597.54	3,579.63	3,564.41	7.99	9.35	-17.14	9.57	233.02	190.81	173.60	17.21	11.088	
3,700.00	3,696.31	3,679.59	3,662.66	8.49	9.68	-16.70	5.22	250.87	193.32	175.25	18.07	10.697	
3,800.00	3,795.09	3,779.55	3,760.91	8.71	10.02	-16.28	0.87	268.73	195.84	177.19	18.65	10.502	
3,900.00	3,893.87	3,879.51	3,859.17	8.95	10.37	-15.86	-3.48	286.58	198.36	179.12	19.25	10.305	
4,000.00	3,992.65	3,979.47	3,957.42	9.20	10.73	-15.46	-7.83	304.43	200.90	181.03	19.87	10.110	
4,100.00	4,091.42	4,079.42	4,055.68	9.46	11.10	-15.06	-12.18	322.29	203.45	182.93	20.52	9.916	
4,200.00	4,190.20	4,179.38	4,153.93	9.74	11.48	-14.68	-16.53	340.14	206.01	184.82	21.18	9.725	
4,300.00	4,288.98	4,279.34	4,252.19	10.03	11.86	-14.30	-20.89	358.00	208.57	186.70	21.87	9.538	
4,400.00	4,387.75	4,379.30	4,350.44	10.33	12.24	-13.94	-25.24	375.85	211.15	188.58	22.57	9.356	
4,500.00	4,486.53	4,479.26	4,448.69	10.64	12.64	-13.58	-29.59	393.70	213.73	190.45	23.28	9.180	
4,600.00	4,585.31	4,579.21	4,546.95	10.96	13.03	-13.23	-33.94	411.56	216.32	192.31	24.01	9.009	
4,700.00	4,684.09	4,679.17	4,645.20	11.29	13.43	-12.89	-38.29	429.41	218.92	194.16	24.75	8.844	
4,800.00	4,782.86	4,779.13	4,743.46	11.63	13.84	-12.56	-42.64	447.27	221.52	196.02	25.51	8.685	
4,900.00	4,881.64	4,879.09	4,841.71	11.97	14.24	-12.23	-46.99	465.12	224.14	197.87	26.27	8.531	
5,000.00	4,980.42	4,979.04	4,939.96	12.32	14.66	-11.91	-51.34	482.97	226.76	199.71	27.05	8.384	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 604H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,079.20	5,079.00	5,038.22	12.68	15.07	-11.60	-55.69	500.83	229.39	201.55	27.83	8.242	
5,200.00	5,177.97	5,178.96	5,136.47	13.04	15.49	-11.30	-60.04	518.68	232.02	203.40	28.62	8.106	
5,300.00	5,276.75	5,278.92	5,234.73	13.41	15.91	-11.01	-64.39	536.54	234.66	205.24	29.42	7.975	
5,400.00	5,375.53	5,378.88	5,332.98	13.78	16.33	-10.72	-68.74	554.39	237.31	207.08	30.23	7.850	
5,500.00	5,474.31	5,478.83	5,431.24	14.15	16.75	-10.43	-73.09	572.24	239.96	208.91	31.04	7.729	
5,600.00	5,573.08	5,578.79	5,529.49	14.53	17.18	-10.16	-77.44	590.10	242.62	210.75	31.86	7.614	
5,700.00	5,671.86	5,678.75	5,627.74	14.92	17.61	-9.88	-81.79	607.95	245.28	212.59	32.69	7.503	
5,800.00	5,770.64	5,778.71	5,726.00	15.30	18.04	-9.62	-86.14	625.81	247.95	214.43	33.52	7.397	
5,900.00	5,869.42	5,878.67	5,824.25	15.69	18.47	-9.36	-90.49	643.66	250.62	216.27	34.36	7.295	
6,000.00	5,968.19	5,978.62	5,922.51	16.09	18.90	-9.11	-94.84	661.52	253.30	218.11	35.20	7.197	
6,100.00	6,066.97	6,078.58	6,020.76	16.48	19.33	-8.86	-99.19	679.37	255.99	219.95	36.04	7.103	
6,200.00	6,165.75	6,178.54	6,119.01	16.88	19.77	-8.61	-103.54	697.22	258.68	221.79	36.89	7.012	
6,300.00	6,264.53	6,278.50	6,217.27	17.28	20.21	-8.38	-107.89	715.08	261.37	223.63	37.74	6.925	
6,400.00	6,363.30	6,378.45	6,315.52	17.68	20.64	-8.14	-112.24	732.93	264.07	225.47	38.60	6.842	
6,500.00	6,462.08	6,478.41	6,413.78	18.09	21.08	-7.91	-116.59	750.79	266.77	227.32	39.45	6.761	
6,600.00	6,560.86	6,578.37	6,512.03	18.50	21.52	-7.69	-120.94	768.64	269.48	229.16	40.32	6.684	
6,700.00	6,659.63	6,678.33	6,610.29	18.90	21.96	-7.47	-125.29	786.49	272.19	231.01	41.18	6.610	
6,800.00	6,758.41	6,778.29	6,708.54	19.31	22.41	-7.25	-129.64	804.35	274.90	232.85	42.05	6.538	
6,900.00	6,857.19	6,878.24	6,806.79	19.73	22.85	-7.04	-133.99	822.20	277.62	234.70	42.91	6.469	
7,000.00	6,955.97	6,978.20	6,905.05	20.14	23.29	-6.83	-138.34	840.06	280.34	236.55	43.79	6.403	
7,100.00	7,054.74	7,078.16	7,003.30	20.55	23.74	-6.63	-142.69	857.91	283.07	238.41	44.66	6.338	
7,200.00	7,153.52	7,178.12	7,101.56	20.97	24.18	-6.43	-147.04	875.76	285.79	240.26	45.53	6.277	
7,300.00	7,252.30	7,278.08	7,199.81	21.39	24.63	-6.24	-151.39	893.62	288.53	242.12	46.41	6.217	
7,400.00	7,351.08	7,378.03	7,298.07	21.80	25.07	-6.04	-155.74	911.47	291.26	243.97	47.29	6.159	
7,500.00	7,449.85	7,477.99	7,396.32	22.22	25.52	-5.86	-160.09	929.33	294.00	245.83	48.17	6.103	
7,600.00	7,548.63	7,577.95	7,494.57	22.64	25.97	-5.67	-164.44	947.18	296.74	247.69	49.05	6.050	
7,700.00	7,647.41	7,677.91	7,592.83	23.07	26.42	-5.49	-168.79	965.03	299.49	249.55	49.93	5.998	
7,800.00	7,746.19	7,777.87	7,691.08	23.49	26.87	-5.31	-173.14	982.89	302.24	251.42	50.82	5.947	
7,900.00	7,844.96	7,877.82	7,789.34	23.91	27.31	-5.14	-177.49	1,000.74	304.99	253.29	51.70	5.899	
8,000.00	7,943.74	7,985.70	7,895.60	24.34	27.80	-4.98	-181.89	1,018.78	306.56	253.93	52.63	5.825	
8,100.00	8,042.52	8,094.33	8,003.09	24.76	28.27	-4.90	-185.60	1,033.99	305.33	251.81	53.51	5.706	
8,200.00	8,141.30	8,202.80	8,110.83	25.19	28.72	-4.88	-188.57	1,046.22	301.27	246.93	54.34	5.545	
8,300.00	8,240.07	8,310.94	8,218.54	25.61	29.14	-4.93	-190.82	1,055.44	294.40	239.31	55.09	5.344	
8,400.00	8,338.85	8,418.57	8,325.98	26.04	29.52	-5.07	-192.34	1,061.68	284.74	228.97	55.78	5.105	
8,500.00	8,437.63	8,525.53	8,432.88	26.47	29.82	-5.29	-193.14	1,064.96	272.32	215.97	56.34	4.833	
8,600.00	8,536.41	8,629.06	8,536.41	26.90	29.93	-5.61	-193.28	1,065.53	257.34	200.57	56.77	4.533	
8,700.00	8,635.18	8,727.83	8,635.18	27.32	29.98	-5.97	-193.28	1,065.53	241.83	184.60	57.23	4.226	
8,800.00	8,733.96	8,826.61	8,733.96	27.75	30.00	-6.38	-193.28	1,065.53	226.33	168.66	57.67	3.925	
8,900.00	8,832.74	8,925.39	8,832.74	28.18	30.03	-6.85	-193.28	1,065.53	210.84	152.73	58.11	3.629	
9,000.00	8,931.51	9,024.17	8,931.51	28.61	30.06	-7.40	-193.28	1,065.53	195.37	136.83	58.54	3.338	
9,100.00	9,030.29	9,122.94	9,030.29	29.05	30.09	-8.04	-193.28	1,065.53	179.92	120.96	58.96	3.051	
9,190.38	9,119.57	9,212.22	9,119.57	29.43	30.11	-8.72	-193.28	1,065.53	165.97	106.64	59.33	2.797	
9,200.00	9,129.07	9,221.72	9,129.07	29.47	30.11	-8.79	-193.28	1,065.53	164.50	105.14	59.37	2.771	
9,300.00	9,228.08	9,320.73	9,228.08	29.92	30.14	-9.57	-193.28	1,065.53	150.63	90.85	59.78	2.520	
9,400.00	9,327.42	9,420.07	9,327.42	30.33	30.17	-10.33	-193.28	1,065.53	139.35	79.20	60.15	2.317	
9,500.00	9,427.02	9,519.67	9,427.02	30.71	30.20	-11.00	-193.28	1,065.53	130.66	70.16	60.50	2.160	
9,600.00	9,526.82	9,619.47	9,526.82	31.07	30.23	-11.53	-193.28	1,065.53	124.55	63.72	60.83	2.048	
9,700.00	9,626.76	9,719.41	9,626.76	31.38	30.26	-11.86	-193.28	1,065.53	121.00	59.87	61.13	1.979	Collision Risk Procedures Req.
9,788.29	9,715.04	9,807.69	9,715.04	31.52	30.28	89.64	-193.28	1,065.53	120.00	58.73	61.27	1.958	Collision Risk Procedures Req.
9,800.00	9,726.75	9,819.40	9,726.75	31.52	30.29	89.64	-193.28	1,065.53	120.00	58.72	61.28	1.958	Collision Risk Procedures Req.
9,888.29	9,815.04	9,907.69	9,815.04	31.55	30.31	89.64	-193.28	1,065.53	120.00	58.67	61.33	1.957	Collision Risk Procedures Req.
9,900.00	9,826.75	9,919.40	9,826.75	31.54	30.31	90.10	-193.28	1,065.53	120.00	58.66	61.34	1.956	Collision Risk Procedures Req.

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 604H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,950.00	9,876.63	9,969.28	9,876.63	31.53	30.33	91.62	-193.28	1,065.53	120.05	58.54	61.51	1.952	Collision Risk Procedures Req.
10,000.00	9,926.04	10,018.69	9,926.04	31.50	30.34	95.12	-193.28	1,065.53	120.50	58.76	61.74	1.952	Collision Risk Procedures Req.
10,050.00	9,974.61	10,067.26	9,974.61	31.46	30.36	100.33	-193.28	1,065.53	122.14	60.35	61.79	1.977	Collision Risk Procedures Req.
10,100.00	10,021.96	10,114.61	10,021.96	31.43	30.37	106.76	-193.28	1,065.53	126.11	64.77	61.33	2.056	
10,150.00	10,067.74	10,160.39	10,067.74	31.40	30.38	113.75	-193.28	1,065.53	133.65	73.54	60.11	2.224	
10,200.00	10,111.60	10,207.89	10,115.21	31.37	30.39	120.76	-191.97	1,065.82	145.36	87.29	58.06	2.503	
10,250.00	10,153.20	10,257.84	10,164.83	31.35	30.42	126.71	-186.52	1,067.02	160.24	104.49	55.75	2.874	
10,300.00	10,192.22	10,310.01	10,215.93	31.33	30.45	131.50	-176.35	1,069.27	177.46	123.90	53.56	3.313	
10,350.00	10,228.38	10,364.70	10,268.24	31.32	30.48	135.23	-160.86	1,072.69	196.28	144.64	51.64	3.801	
10,400.00	10,261.39	10,422.20	10,321.36	31.33	30.52	138.03	-139.40	1,077.42	216.10	166.06	50.04	4.319	
10,450.00	10,291.00	10,482.84	10,374.69	31.35	30.56	140.02	-111.27	1,083.64	236.40	187.66	48.75	4.850	
10,500.00	10,316.99	10,546.97	10,427.43	31.39	30.61	141.31	-75.71	1,091.49	256.75	209.01	47.74	5.378	
10,550.00	10,339.16	10,614.88	10,478.48	31.44	30.67	141.97	-32.04	1,101.13	276.74	229.74	47.00	5.888	
10,600.00	10,357.34	10,686.83	10,526.39	31.51	30.75	142.07	20.32	1,112.69	295.98	249.49	46.49	6.367	
10,650.00	10,371.39	10,762.96	10,569.35	31.61	30.85	141.65	81.63	1,126.22	314.10	267.92	46.18	6.801	
10,700.00	10,381.21	10,843.22	10,605.20	31.72	30.98	140.74	151.67	1,141.69	330.77	284.70	46.06	7.181	
10,750.00	10,386.72	10,927.29	10,631.64	31.86	31.16	139.34	229.53	1,158.88	345.64	299.53	46.12	7.495	
10,788.29	10,388.00	10,993.89	10,644.12	31.97	31.32	137.97	293.37	1,172.97	355.66	309.41	46.26	7.689	
10,800.00	10,388.00	11,014.58	10,646.45	32.01	31.38	137.67	313.45	1,177.41	358.39	312.07	46.32	7.737	
10,900.00	10,388.00	11,143.67	10,649.00	32.38	31.84	134.76	439.62	1,204.26	374.40	327.25	47.15	7.941	
11,000.00	10,388.00	11,252.62	10,649.00	32.81	32.33	132.72	546.96	1,222.92	387.38	339.46	47.92	8.083	
11,100.00	10,388.00	11,362.93	10,649.00	33.30	32.91	131.20	656.28	1,237.63	397.87	349.25	48.62	8.184	
11,200.00	10,388.00	11,474.29	10,649.00	33.85	33.56	130.15	767.12	1,248.21	405.63	356.41	49.22	8.241	
11,300.00	10,388.00	11,586.37	10,649.00	34.44	34.28	129.51	879.02	1,254.50	410.48	360.76	49.73	8.255	
11,400.00	10,388.00	11,698.83	10,649.00	35.09	35.04	129.27	991.46	1,256.41	412.34	362.21	50.12	8.226	
11,500.00	10,388.00	11,800.20	10,649.00	35.77	35.76	129.27	1,092.83	1,255.73	412.36	361.66	50.70	8.133	
11,600.00	10,388.00	11,900.20	10,649.00	36.50	36.51	129.27	1,192.82	1,255.03	412.37	360.95	51.42	8.020	
11,700.00	10,388.00	12,000.20	10,649.00	37.27	37.29	129.27	1,292.82	1,254.34	412.37	360.14	52.24	7.894	
11,800.00	10,388.00	12,100.20	10,649.00	38.08	38.11	129.26	1,392.82	1,253.64	412.38	359.22	53.16	7.757	
11,900.00	10,388.00	12,200.20	10,649.00	38.92	38.96	129.26	1,492.82	1,252.94	412.39	358.21	54.18	7.612	
12,000.00	10,388.00	12,300.20	10,649.00	39.79	39.85	129.26	1,592.81	1,252.25	412.39	357.11	55.28	7.460	
12,100.00	10,388.00	12,400.20	10,649.00	40.69	40.76	129.26	1,692.81	1,251.55	412.40	355.92	56.48	7.302	
12,200.00	10,388.00	12,500.20	10,649.00	41.62	41.70	129.26	1,792.81	1,250.85	412.40	354.66	57.75	7.142	
12,300.00	10,388.00	12,600.20	10,649.00	42.58	42.66	129.26	1,892.81	1,250.16	412.41	353.32	59.09	6.979	
12,400.00	10,388.00	12,700.20	10,649.00	43.56	43.64	129.26	1,992.80	1,249.46	412.41	351.91	60.51	6.816	
12,500.00	10,388.00	12,800.20	10,649.00	44.57	44.65	129.26	2,092.80	1,248.76	412.42	350.43	61.99	6.653	
12,600.00	10,388.00	12,900.20	10,649.00	45.60	45.68	129.26	2,192.80	1,248.07	412.43	348.90	63.53	6.492	
12,700.00	10,388.00	13,000.20	10,649.00	46.65	46.73	129.26	2,292.80	1,247.37	412.43	347.31	65.12	6.333	
12,800.00	10,388.00	13,100.20	10,649.00	47.72	47.80	129.26	2,392.79	1,246.68	412.44	345.67	66.77	6.177	
12,900.00	10,388.00	13,200.20	10,649.00	48.81	48.89	129.26	2,492.79	1,245.98	412.44	343.98	68.47	6.024	
13,000.00	10,388.00	13,300.20	10,649.00	49.91	49.99	129.26	2,592.79	1,245.28	412.45	342.25	70.21	5.875	
13,100.00	10,388.00	13,400.20	10,649.00	51.03	51.11	129.26	2,692.79	1,244.59	412.46	340.47	71.99	5.730	
13,200.00	10,388.00	13,500.20	10,649.00	52.17	52.24	129.26	2,792.78	1,243.89	412.46	338.66	73.81	5.588	
13,300.00	10,388.00	13,600.20	10,649.00	53.32	53.39	129.25	2,892.78	1,243.19	412.47	336.81	75.66	5.451	
13,400.00	10,388.00	13,700.20	10,649.00	54.49	54.55	129.25	2,992.78	1,242.50	412.47	334.92	77.55	5.319	
13,500.00	10,388.00	13,800.20	10,649.00	55.66	55.72	129.25	3,092.78	1,241.80	412.48	333.01	79.47	5.190	
13,600.00	10,388.00	13,900.20	10,649.00	56.85	56.91	129.25	3,192.77	1,241.10	412.49	331.07	81.42	5.066	
13,700.00	10,388.00	14,000.20	10,649.00	58.05	58.10	129.25	3,292.77	1,240.41	412.49	329.10	83.39	4.946	
13,800.00	10,388.00	14,100.20	10,649.00	59.27	59.31	129.25	3,392.77	1,239.71	412.50	327.10	85.39	4.831	
13,900.00	10,388.00	14,200.20	10,649.00	60.49	60.52	129.25	3,492.77	1,239.01	412.50	325.09	87.42	4.719	
14,000.00	10,388.00	14,300.20	10,649.00	61.72	61.75	129.25	3,592.76	1,238.32	412.51	323.05	89.46	4.611	
14,100.00	10,388.00	14,400.20	10,649.00	62.96	62.98	129.25	3,692.76	1,237.62	412.52	320.99	91.52	4.507	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 604H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	10,388.00	14,500.20	10,649.00	64.21	64.22	129.25	3,792.76	1,236.92	412.52	318.91	93.61	4.407	
14,300.00	10,388.00	14,600.20	10,649.00	65.46	65.47	129.25	3,892.76	1,236.23	412.53	316.82	95.71	4.310	
14,400.00	10,388.00	14,700.20	10,649.00	66.72	66.73	129.25	3,992.75	1,235.53	412.53	314.71	97.82	4.217	
14,500.00	10,388.00	14,800.20	10,649.00	68.00	67.99	129.25	4,092.75	1,234.84	412.54	312.58	99.96	4.127	
14,600.00	10,388.00	14,900.20	10,649.00	69.27	69.27	129.25	4,192.75	1,234.14	412.54	310.44	102.10	4.041	
14,700.00	10,388.00	15,000.20	10,649.00	70.56	70.54	129.25	4,292.75	1,233.44	412.55	308.29	104.26	3.957	
14,800.00	10,388.00	15,100.20	10,649.00	71.85	71.83	129.24	4,392.75	1,232.75	412.56	306.12	106.43	3.876	
14,900.00	10,388.00	15,200.20	10,649.00	73.14	73.12	129.24	4,492.74	1,232.05	412.56	303.94	108.62	3.798	
15,000.00	10,388.00	15,300.20	10,649.00	74.44	74.41	129.24	4,592.74	1,231.35	412.57	301.75	110.81	3.723	
15,100.00	10,388.00	15,400.20	10,649.00	75.75	75.71	129.24	4,692.74	1,230.66	412.57	299.55	113.02	3.650	
15,200.00	10,388.00	15,500.20	10,649.00	77.06	77.02	129.24	4,792.74	1,229.96	412.58	297.34	115.24	3.580	
15,300.00	10,388.00	15,600.20	10,649.00	78.38	78.33	129.24	4,892.73	1,229.26	412.59	295.12	117.46	3.513	
15,400.00	10,388.00	15,700.20	10,649.00	79.70	79.64	129.24	4,992.73	1,228.57	412.59	292.90	119.70	3.447	
15,500.00	10,388.00	15,800.20	10,649.00	81.02	80.96	129.24	5,092.73	1,227.87	412.60	290.66	121.94	3.384	
15,600.00	10,388.00	15,900.20	10,649.00	82.35	82.29	129.24	5,192.73	1,227.17	412.60	288.41	124.19	3.322	
15,700.00	10,388.00	16,000.20	10,649.00	83.68	83.61	129.24	5,292.72	1,226.48	412.61	286.16	126.45	3.263	
15,800.00	10,388.00	16,100.20	10,649.00	85.02	84.95	129.24	5,392.72	1,225.78	412.62	283.90	128.71	3.206	
15,900.00	10,388.00	16,200.20	10,649.00	86.36	86.28	129.24	5,492.72	1,225.08	412.62	281.64	130.98	3.150	
16,000.00	10,388.00	16,300.20	10,649.00	87.70	87.62	129.24	5,592.72	1,224.39	412.63	279.36	133.26	3.096	
16,100.00	10,388.00	16,400.20	10,649.00	89.05	88.96	129.24	5,692.71	1,223.69	412.63	277.09	135.55	3.044	
16,200.00	10,388.00	16,500.20	10,649.00	90.40	90.31	129.24	5,792.71	1,223.00	412.64	274.80	137.84	2.994	
16,300.00	10,388.00	16,600.20	10,649.00	91.75	91.65	129.23	5,892.71	1,222.30	412.65	272.51	140.13	2.945	
16,400.00	10,388.00	16,700.20	10,649.00	93.11	93.00	129.23	5,992.71	1,221.60	412.65	270.22	142.43	2.897	
16,500.00	10,388.00	16,800.20	10,649.00	94.46	94.36	129.23	6,092.70	1,220.91	412.66	267.92	144.74	2.851	
16,600.00	10,388.00	16,900.20	10,649.00	95.83	95.71	129.23	6,192.70	1,220.21	412.66	265.61	147.05	2.806	
16,700.00	10,388.00	17,000.20	10,649.00	97.19	97.07	129.23	6,292.70	1,219.51	412.67	263.30	149.37	2.763	
16,800.00	10,388.00	17,100.20	10,649.00	98.55	98.43	129.23	6,392.70	1,218.82	412.67	260.99	151.69	2.721	
16,900.00	10,388.00	17,200.20	10,649.00	99.92	99.80	129.23	6,492.69	1,218.12	412.68	258.67	154.01	2.680	
17,000.00	10,388.00	17,300.20	10,649.00	101.29	101.16	129.23	6,592.69	1,217.42	412.69	256.35	156.34	2.640	
17,100.00	10,388.00	17,400.20	10,649.00	102.66	102.53	129.23	6,692.69	1,216.73	412.69	254.02	158.67	2.601	
17,200.00	10,388.00	17,500.20	10,649.00	104.04	103.90	129.23	6,792.69	1,216.03	412.70	251.69	161.00	2.563	
17,300.00	10,388.00	17,600.20	10,649.00	105.41	105.27	129.23	6,892.68	1,215.33	412.70	249.36	163.34	2.527	
17,400.00	10,388.00	17,700.20	10,649.00	106.79	106.65	129.23	6,992.68	1,214.64	412.71	247.03	165.68	2.491	
17,500.00	10,388.00	17,800.20	10,649.00	108.17	108.02	129.23	7,092.68	1,213.94	412.72	244.69	168.03	2.456	
17,600.00	10,388.00	17,900.20	10,649.00	109.55	109.40	129.23	7,192.68	1,213.24	412.72	242.34	170.38	2.422	
17,700.00	10,388.00	18,000.20	10,649.00	110.94	110.78	129.23	7,292.67	1,212.55	412.73	240.00	172.73	2.389	
17,800.00	10,388.00	18,100.20	10,649.00	112.32	112.16	129.22	7,392.67	1,211.85	412.73	237.65	175.08	2.357	
17,900.00	10,388.00	18,200.20	10,649.00	113.71	113.55	129.22	7,492.67	1,211.15	412.74	235.30	177.44	2.326	
18,000.00	10,388.00	18,300.20	10,649.00	115.09	114.93	129.22	7,592.67	1,210.46	412.75	232.95	179.80	2.296	
18,100.00	10,388.00	18,400.20	10,649.00	116.48	116.32	129.22	7,692.67	1,209.76	412.75	230.59	182.16	2.266	
18,200.00	10,388.00	18,500.20	10,649.00	117.87	117.70	129.22	7,792.66	1,209.07	412.76	228.23	184.52	2.237	
18,300.00	10,388.00	18,600.20	10,649.00	119.27	119.09	129.22	7,892.66	1,208.37	412.76	225.87	186.89	2.209	
18,400.00	10,388.00	18,700.20	10,649.00	120.66	120.48	129.22	7,992.66	1,207.67	412.77	223.51	189.26	2.181	
18,500.00	10,388.00	18,800.20	10,649.00	122.05	121.87	129.22	8,092.66	1,206.98	412.78	221.15	191.63	2.154	
18,600.00	10,388.00	18,900.20	10,649.00	123.45	123.27	129.22	8,192.65	1,206.28	412.78	218.78	194.00	2.128	
18,700.00	10,388.00	19,000.20	10,649.00	124.85	124.66	129.22	8,292.65	1,205.58	412.79	216.41	196.38	2.102	
18,800.00	10,388.00	19,100.20	10,649.00	126.24	126.06	129.22	8,392.65	1,204.89	412.79	214.04	198.75	2.077	
18,900.00	10,388.00	19,200.20	10,649.00	127.64	127.45	129.22	8,492.65	1,204.19	412.80	211.67	201.13	2.052	
19,000.00	10,388.00	19,300.20	10,649.00	129.04	128.85	129.22	8,592.64	1,203.49	412.81	209.29	203.51	2.028	
19,100.00	10,388.00	19,400.20	10,649.00	130.45	130.25	129.22	8,692.64	1,202.80	412.81	206.92	205.89	2.005	
19,200.00	10,388.00	19,500.20	10,649.00	131.85	131.65	129.22	8,792.64	1,202.10	412.82	204.54	208.28	1.982	Collision Risk Procedures Req.
19,300.00	10,388.00	19,600.20	10,649.00	133.25	133.05	129.21	8,892.64	1,201.40	412.82	202.16	210.66	1.960	Collision Risk Procedures Req.

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Altitude Energy Partners

Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 604H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,400.00	10,388.00	19,700.20	10,649.00	134.65	134.45	129.21	8,992.63	1,200.71	412.83	199.78	213.05	1.938	Collision Risk Procedures Req.
19,500.00	10,388.00	19,800.20	10,649.00	136.06	135.85	129.21	9,092.63	1,200.01	412.83	197.40	215.44	1.916	Collision Risk Procedures Req.
19,600.00	10,388.00	19,900.20	10,649.00	137.47	137.26	129.21	9,192.63	1,199.31	412.84	195.01	217.83	1.895	Collision Risk Procedures Req.
19,700.00	10,388.00	20,000.20	10,649.00	138.87	138.66	129.21	9,292.63	1,198.62	412.85	192.63	220.22	1.875	Collision Risk Procedures Req.
19,800.00	10,388.00	20,100.20	10,649.00	140.28	140.07	129.21	9,392.62	1,197.92	412.85	190.24	222.61	1.855	Collision Risk Procedures Req.
19,900.00	10,388.00	20,200.20	10,649.00	141.69	141.47	129.21	9,492.62	1,197.23	412.86	187.85	225.01	1.835	Collision Risk Procedures Req.
20,000.00	10,388.00	20,300.20	10,649.00	143.10	142.88	129.21	9,592.62	1,196.53	412.86	185.46	227.40	1.816	Collision Risk Procedures Req.
20,100.00	10,388.00	20,400.20	10,649.00	144.51	144.29	129.21	9,692.62	1,195.83	412.87	183.07	229.80	1.797	Collision Risk Procedures Req.
20,200.00	10,388.00	20,500.20	10,649.00	145.92	145.69	129.21	9,792.61	1,195.14	412.88	180.68	232.20	1.778	Collision Risk Procedures Req.
20,300.00	10,388.00	20,600.20	10,649.00	147.33	147.10	129.21	9,892.61	1,194.44	412.88	178.29	234.59	1.760	Collision Risk Procedures Req.
20,400.00	10,388.00	20,700.20	10,649.00	148.74	148.51	129.21	9,992.61	1,193.74	412.89	175.89	236.99	1.742	Collision Risk Procedures Req.
20,500.00	10,388.00	20,800.20	10,649.00	150.15	149.92	129.21	10,092.61	1,193.05	412.89	173.50	239.40	1.725	Collision Risk Procedures Req.
20,600.00	10,388.00	20,900.20	10,649.00	151.57	151.34	129.21	10,192.60	1,192.35	412.90	171.10	241.80	1.708	Collision Risk Procedures Req.
20,644.35	10,388.00	20,944.55	10,649.00	152.19	151.90	129.21	10,236.95	1,192.04	412.90	170.14	242.76	1.701	Collision Risk Procedures Req., SF

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 703H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.63	0.48	74.98	74.98				
100.00	100.00	100.00	100.00	0.79	0.79	89.63	0.48	74.98	74.98	73.40	1.58	47.332	
200.00	200.00	200.00	200.00	1.45	1.45	89.63	0.48	74.98	74.98	72.08	2.90	25.862	
300.00	300.00	300.00	300.00	1.89	1.89	89.63	0.48	74.98	74.98	71.19	3.79	19.790	
400.00	400.00	400.00	400.00	2.26	2.26	89.63	0.48	74.98	74.98	70.47	4.51	16.618	
500.00	500.00	500.00	500.00	2.57	2.57	89.63	0.48	74.98	74.98	69.84	5.14	14.590	
600.00	600.00	600.00	600.00	2.85	2.85	89.63	0.48	74.98	74.98	69.28	5.70	13.148	
700.00	700.00	700.00	700.00	3.11	3.11	89.63	0.48	74.98	74.98	68.76	6.22	12.055	
800.00	800.00	800.00	800.00	3.35	3.35	89.63	0.48	74.98	74.98	68.28	6.70	11.190	
900.00	900.00	900.00	900.00	3.58	3.58	89.63	0.48	74.98	74.98	67.83	7.15	10.482	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.63	0.48	74.98	74.98	67.40	7.58	9.889	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.63	0.48	74.98	74.98	66.99	7.99	9.382	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.63	0.48	74.98	74.98	66.60	8.38	8.943	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.63	0.48	74.98	74.98	66.22	8.76	8.557	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.63	0.48	74.98	74.98	65.85	9.13	8.215	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.63	0.48	74.98	74.98	65.50	9.48	7.908	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.63	0.48	74.98	74.98	65.16	9.83	7.631	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.63	0.48	74.98	74.98	64.82	10.16	7.380	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.63	0.48	74.98	74.98	64.49	10.49	7.150	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.63	0.48	74.98	74.98	64.17	10.81	6.938	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.63	0.48	74.98	74.98	63.86	11.12	6.743	
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	89.63	0.48	74.98	74.98	63.56	11.43	6.563	
2,200.00	2,200.00	2,200.00	2,200.00	5.86	5.86	89.63	0.48	74.98	74.98	63.26	11.73	6.394	
2,300.00	2,300.00	2,300.00	2,300.00	6.01	6.01	89.63	0.48	74.98	74.98	62.96	12.02	6.237	
2,400.00	2,400.00	2,401.39	2,401.38	6.16	6.17	90.36	-0.47	74.03	74.04	61.74	12.31	6.016	
2,500.00	2,500.00	2,502.64	2,502.55	6.30	6.32	92.67	-3.32	71.18	71.30	58.73	12.57	5.673	
2,600.00	2,600.00	2,603.61	2,603.29	6.44	6.48	96.91	-8.05	66.45	67.02	54.20	12.82	5.227	
2,700.00	2,700.00	2,704.69	2,703.97	6.58	6.59	103.15	-13.95	59.69	61.42	48.42	13.01	4.722	
2,800.00	2,800.00	2,805.67	2,804.40	6.72	6.77	110.59	-18.96	50.48	54.11	40.85	13.26	4.081	
2,900.00	2,900.00	2,906.22	2,904.20	6.85	6.97	120.58	-22.96	38.86	45.34	31.84	13.50	3.359	
3,000.00	3,000.00	3,005.45	3,002.52	6.98	7.18	135.42	-26.31	25.93	37.02	23.29	13.74	2.695	
3,100.00	3,099.99	3,104.37	3,100.54	7.13	7.42	56.67	-29.64	13.01	31.63	17.61	14.03	2.255	
3,143.40	3,143.37	3,147.19	3,142.96	7.19	7.52	69.49	-31.08	7.42	30.91	16.71	14.20	2.177	CC, ES, SF
3,200.00	3,199.91	3,202.90	3,198.17	7.27	7.67	87.13	-32.95	0.14	32.33	17.84	14.49	2.231	
3,300.00	3,299.69	3,300.98	3,295.35	7.42	7.93	113.44	-36.25	-12.66	41.86	26.77	15.09	2.775	
3,400.00	3,399.27	3,398.54	3,392.02	7.59	8.21	130.09	-39.53	-25.40	58.37	42.75	15.62	3.737	
3,500.00	3,498.57	3,495.52	3,488.11	7.78	8.50	140.19	-42.79	-38.06	79.58	63.45	16.12	4.936	
3,597.91	3,595.47	3,589.83	3,581.56	7.99	8.79	146.58	-45.96	-50.38	103.79	87.18	16.61	6.248	
3,600.00	3,597.54	3,591.84	3,583.55	7.99	8.79	146.70	-46.03	-50.64	104.34	87.72	16.62	6.278	
3,700.00	3,696.31	3,687.82	3,678.66	8.49	9.10	151.11	-49.26	-63.18	131.00	113.59	17.41	7.526	
3,800.00	3,795.09	3,783.81	3,773.77	8.71	9.41	154.02	-52.49	-75.71	158.14	140.22	17.92	8.827	
3,900.00	3,893.87	3,879.80	3,868.88	8.95	9.73	156.08	-55.72	-88.24	185.55	167.10	18.45	10.057	
4,000.00	3,992.65	3,975.78	3,963.99	9.20	10.05	157.62	-58.94	-100.78	213.12	194.12	19.00	11.215	
4,100.00	4,091.42	4,071.77	4,059.10	9.46	10.39	158.80	-62.17	-113.31	240.81	221.23	19.58	12.300	
4,200.00	4,190.20	4,167.76	4,154.21	9.74	10.72	159.73	-65.40	-125.84	268.56	248.39	20.17	13.314	
4,300.00	4,288.98	4,263.74	4,249.32	10.03	11.07	160.50	-68.63	-138.38	296.38	275.60	20.78	14.261	
4,400.00	4,387.75	4,359.73	4,344.43	10.33	11.42	161.13	-71.86	-150.91	324.23	302.82	21.41	15.145	
4,500.00	4,486.53	4,455.72	4,439.54	10.64	11.77	161.66	-75.09	-163.44	352.11	330.07	22.05	15.970	
4,600.00	4,585.31	4,551.70	4,534.65	10.96	12.13	162.11	-78.31	-175.98	380.02	357.32	22.70	16.740	
4,700.00	4,684.09	4,647.69	4,629.76	11.29	12.48	162.50	-81.54	-188.51	407.95	384.58	23.37	17.458	
4,800.00	4,782.86	4,743.68	4,724.87	11.63	12.85	162.84	-84.77	-201.05	435.89	411.85	24.04	18.129	
4,900.00	4,881.64	4,839.66	4,819.98	11.97	13.21	163.14	-88.00	-213.58	463.84	439.11	24.73	18.756	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 703H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,980.42	4,935.65	4,915.09	12.32	13.58	163.41	-91.23	-226.11	491.81	466.38	25.43	19.343	
5,100.00	5,079.20	5,031.64	5,010.20	12.68	13.95	163.65	-94.46	-238.65	519.78	493.65	26.13	19.892	
5,200.00	5,177.97	5,127.62	5,105.31	13.04	14.33	163.86	-97.68	-251.18	547.76	520.92	26.84	20.406	
5,300.00	5,276.75	5,223.61	5,200.42	13.41	14.70	164.05	-100.91	-263.71	575.75	548.19	27.56	20.889	
5,400.00	5,375.53	5,319.60	5,295.53	13.78	15.08	164.23	-104.14	-276.25	603.74	575.45	28.29	21.342	
5,500.00	5,474.31	5,415.58	5,390.64	14.15	15.46	164.39	-107.37	-288.78	631.74	602.72	29.02	21.768	
5,600.00	5,573.08	5,511.57	5,485.75	14.53	15.84	164.53	-110.60	-301.31	659.74	629.98	29.76	22.169	
5,700.00	5,671.86	5,607.56	5,580.86	14.92	16.22	164.67	-113.83	-313.85	687.75	657.24	30.50	22.547	
5,800.00	5,770.64	5,703.54	5,675.97	15.30	16.61	164.79	-117.05	-326.38	715.76	684.50	31.25	22.903	
5,900.00	5,869.42	5,799.53	5,771.08	15.69	16.99	164.90	-120.28	-338.92	743.77	711.76	32.00	23.240	
6,000.00	5,968.19	5,895.52	5,866.19	16.09	17.38	165.01	-123.51	-351.45	771.78	739.02	32.76	23.558	
6,100.00	6,066.97	5,991.50	5,961.30	16.48	17.77	165.11	-126.74	-363.98	799.80	766.27	33.52	23.858	
6,200.00	6,165.75	6,087.49	6,056.41	16.88	18.16	165.20	-129.97	-376.52	827.81	793.53	34.29	24.143	
6,300.00	6,264.53	6,183.48	6,151.52	17.28	18.55	165.28	-133.20	-389.05	855.83	820.78	35.06	24.413	
6,400.00	6,363.30	6,279.46	6,246.63	17.68	18.94	165.37	-136.42	-401.58	883.85	848.03	35.83	24.669	
6,500.00	6,462.08	6,375.45	6,341.74	18.09	19.33	165.44	-139.65	-414.12	911.88	875.27	36.60	24.913	
6,600.00	6,560.86	6,471.44	6,436.85	18.50	19.73	165.51	-142.88	-426.65	939.90	902.52	37.38	25.144	
6,700.00	6,659.63	6,567.42	6,531.96	18.90	20.12	165.58	-146.11	-439.18	967.93	929.77	38.16	25.364	
6,800.00	6,758.41	6,663.41	6,627.07	19.31	20.51	165.64	-149.34	-451.72	995.95	957.01	38.94	25.574	

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 704H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Rule Assigned: Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.64	0.63	99.98	99.98				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	0.63	99.98	99.98	98.40	1.58	63.114	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	0.63	99.98	99.98	97.08	2.90	34.485	
300.00	300.00	300.00	300.00	1.89	1.89	89.64	0.63	99.98	99.98	96.19	3.79	26.389	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	0.63	99.98	99.98	95.47	4.51	22.159	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	0.63	99.98	99.98	94.84	5.14	19.454	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	0.63	99.98	99.98	94.28	5.70	17.532	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	0.63	99.98	99.98	93.76	6.22	16.075	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	0.63	99.98	99.98	93.28	6.70	14.921	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	0.63	99.98	99.98	92.83	7.15	13.977	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	0.63	99.98	99.98	92.40	7.58	13.186	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	0.63	99.98	99.98	91.99	7.99	12.511	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	0.63	99.98	99.98	91.60	8.38	11.925	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	0.63	99.98	99.98	91.22	8.76	11.411	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	0.63	99.98	99.98	90.85	9.13	10.954	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	0.63	99.98	99.98	90.50	9.48	10.545	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	0.63	99.98	99.98	90.16	9.83	10.176	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	0.63	99.98	99.98	89.82	10.16	9.840	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	0.63	99.98	99.98	89.49	10.49	9.534	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	0.63	99.98	99.98	89.18	10.81	9.252	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	0.63	99.98	99.98	88.86	11.12	8.992	
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	89.64	0.63	99.98	99.98	88.56	11.43	8.751	
2,200.00	2,200.00	2,200.00	2,200.00	5.86	5.86	89.64	0.63	99.98	99.98	88.26	11.73	8.526	
2,300.00	2,300.00	2,300.00	2,300.00	6.01	6.01	89.64	0.63	99.98	99.98	87.96	12.02	8.317	
2,400.00	2,400.00	2,397.46	2,397.45	6.16	6.18	89.52	0.85	101.20	101.24	88.91	12.33	8.212	
2,500.00	2,500.00	2,494.80	2,494.72	6.30	6.34	89.18	1.49	104.87	105.01	92.39	12.63	8.317	
2,600.00	2,600.00	2,591.88	2,591.60	6.44	6.52	88.68	2.57	110.96	111.30	98.37	12.93	8.608	
2,700.00	2,700.00	2,688.59	2,687.92	6.58	6.71	88.05	4.06	119.43	120.11	106.86	13.24	9.068	
2,800.00	2,800.00	2,785.71	2,784.45	6.72	6.90	87.74	5.13	130.08	131.11	117.56	13.55	9.674	
2,900.00	2,900.00	2,882.54	2,880.48	6.85	7.11	88.20	4.47	142.42	143.82	129.95	13.88	10.365	
3,000.00	3,000.00	2,978.84	2,975.73	6.98	7.33	89.24	2.08	156.39	158.27	144.06	14.21	11.135	
3,100.00	3,099.99	3,074.71	3,070.23	7.13	7.57	-10.96	-2.01	171.95	173.25	158.68	14.58	11.886	
3,200.00	3,199.91	3,170.30	3,164.10	7.27	7.83	-9.41	-7.80	189.12	187.57	172.62	14.95	12.550	
3,300.00	3,299.69	3,266.44	3,258.06	7.42	8.06	-7.73	-15.28	207.99	201.23	185.92	15.31	13.145	
3,400.00	3,399.27	3,365.58	3,354.83	7.59	8.34	-6.17	-23.52	227.95	213.04	197.28	15.76	13.515	
3,500.00	3,498.57	3,465.02	3,451.87	7.78	8.64	-4.84	-31.79	247.97	222.39	206.11	16.27	13.666	
3,597.91	3,595.47	3,562.59	3,547.10	7.99	8.96	-3.69	-39.90	267.62	229.12	212.32	16.81	13.632	
3,600.00	3,597.54	3,564.67	3,549.13	7.99	8.97	-3.66	-40.07	268.04	229.24	212.43	16.82	13.632	
3,700.00	3,696.31	3,664.41	3,646.48	8.49	9.30	-2.58	-48.36	288.12	234.93	217.25	17.68	13.285	
3,800.00	3,795.09	3,764.15	3,743.83	8.71	9.65	-1.54	-56.65	308.20	240.71	222.44	18.27	13.176	
3,900.00	3,893.87	3,863.89	3,841.17	8.95	10.01	-0.55	-64.94	328.29	246.55	227.67	18.88	13.058	
4,000.00	3,992.65	3,963.64	3,938.52	9.20	10.38	0.39	-73.23	348.37	252.47	232.95	19.52	12.935	
4,100.00	4,091.42	4,063.38	4,035.86	9.46	10.75	1.29	-81.52	368.45	258.46	238.28	20.18	12.808	
4,200.00	4,190.20	4,163.12	4,133.21	9.74	11.14	2.14	-89.81	388.54	264.50	243.64	20.86	12.680	
4,300.00	4,288.98	4,262.86	4,230.55	10.03	11.53	2.96	-98.11	408.62	270.60	249.04	21.56	12.552	
4,400.00	4,387.75	4,362.60	4,327.90	10.33	11.93	3.75	-106.40	428.70	276.75	254.48	22.27	12.425	
4,500.00	4,486.53	4,462.34	4,425.24	10.64	12.33	4.49	-114.69	448.78	282.95	259.95	23.00	12.301	
4,600.00	4,585.31	4,562.08	4,522.59	10.96	12.74	5.21	-122.98	468.87	289.20	265.45	23.75	12.179	
4,700.00	4,684.09	4,661.82	4,619.93	11.29	13.16	5.90	-131.27	488.95	295.49	270.99	24.50	12.061	
4,800.00	4,782.86	4,761.56	4,717.28	11.63	13.58	6.56	-139.56	509.03	301.82	276.56	25.26	11.946	
4,900.00	4,881.64	4,861.30	4,814.63	11.97	14.00	7.19	-147.85	529.12	308.19	282.15	26.04	11.836	
5,000.00	4,980.42	4,961.04	4,911.97	12.32	14.43	7.79	-156.14	549.20	314.60	287.78	26.82	11.730	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Altitude Energy Partners
Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 704H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,079.20	5,064.67	5,013.17	12.68	14.86	8.39	-164.65	569.81	320.78	293.14	27.64	11.607	
5,200.00	5,177.97	5,173.76	5,120.23	13.04	15.33	8.99	-172.64	589.17	324.62	296.12	28.50	11.391	
5,300.00	5,276.75	5,283.01	5,228.00	13.41	15.80	9.55	-179.47	605.72	325.63	296.29	29.33	11.101	
5,400.00	5,375.53	5,392.24	5,336.22	13.78	16.25	10.11	-185.13	619.41	323.80	293.67	30.13	10.745	
5,500.00	5,474.31	5,501.27	5,444.61	14.15	16.67	10.68	-189.59	630.22	319.15	288.26	30.90	10.330	
5,600.00	5,573.08	5,609.92	5,552.92	14.53	17.07	11.26	-192.86	638.14	311.69	280.08	31.61	9.862	
5,700.00	5,671.86	5,718.03	5,660.88	14.92	17.43	11.89	-194.94	643.19	301.42	269.17	32.26	9.345	
5,800.00	5,770.64	5,825.41	5,768.24	15.30	17.70	12.57	-195.86	645.41	288.39	255.60	32.79	8.794	
5,900.00	5,869.42	5,926.59	5,869.42	15.69	17.76	13.30	-195.91	645.53	273.31	240.14	33.17	8.239	
6,000.00	5,968.19	6,025.37	5,968.19	16.09	17.81	14.10	-195.91	645.53	258.16	224.59	33.56	7.692	
6,100.00	6,066.97	6,124.14	6,066.97	16.48	17.85	14.99	-195.91	645.53	243.05	209.11	33.94	7.160	
6,200.00	6,165.75	6,222.92	6,165.75	16.88	17.90	16.00	-195.91	645.53	228.02	193.70	34.31	6.645	
6,300.00	6,264.53	6,321.70	6,264.53	17.28	17.95	17.16	-195.91	645.53	213.06	178.39	34.67	6.145	
6,400.00	6,363.30	6,420.48	6,363.30	17.68	17.99	18.48	-195.91	645.53	198.20	163.20	35.00	5.662	
6,500.00	6,462.08	6,519.25	6,462.08	18.09	18.04	20.03	-195.91	645.53	183.46	148.15	35.31	5.196	
6,600.00	6,560.86	6,618.03	6,560.86	18.50	18.09	21.83	-195.91	645.53	168.88	133.30	35.58	4.747	
6,700.00	6,659.63	6,716.81	6,659.63	18.90	18.14	23.98	-195.91	645.53	154.49	118.70	35.79	4.317	
6,800.00	6,758.41	6,815.59	6,758.41	19.31	18.18	26.56	-195.91	645.53	140.36	104.44	35.92	3.908	
6,900.00	6,857.19	6,914.36	6,857.19	19.73	18.23	29.71	-195.91	645.53	126.57	90.64	35.93	3.522	
7,000.00	6,955.97	7,013.14	6,955.97	20.14	18.28	33.61	-195.91	645.53	113.25	77.47	35.78	3.165	
7,100.00	7,054.74	7,111.92	7,054.74	20.55	18.33	38.51	-195.91	645.53	100.58	65.19	35.38	2.843	
7,200.00	7,153.52	7,210.69	7,153.52	20.97	18.38	44.74	-195.91	645.53	88.84	54.20	34.64	2.565	
7,300.00	7,252.30	7,309.47	7,252.30	21.39	18.43	52.72	-195.91	645.53	78.47	45.02	33.45	2.346	
7,400.00	7,351.08	7,408.25	7,351.08	21.80	18.47	62.82	-195.91	645.53	70.05	38.24	31.81	2.202	
7,500.00	7,449.85	7,507.03	7,449.85	22.22	18.52	75.12	-195.91	645.53	64.36	34.25	30.11	2.138	
7,600.00	7,548.63	7,605.80	7,548.63	22.64	18.57	88.97	-195.91	645.53	62.16	32.88	29.28	2.123	
7,607.27	7,555.81	7,612.99	7,555.81	22.67	18.58	90.00	-195.91	645.53	62.15	32.86	29.28	2.122	CC, ES
7,700.00	7,647.41	7,704.58	7,647.41	23.07	18.62	102.94	-195.91	645.53	63.81	33.67	30.13	2.117	SF
7,800.00	7,746.19	7,803.36	7,746.19	23.49	18.67	115.53	-195.91	645.53	69.03	36.76	32.27	2.139	
7,900.00	7,844.96	7,902.14	7,844.96	23.91	18.72	125.95	-195.91	645.53	77.10	42.39	34.71	2.221	
8,000.00	7,943.74	8,000.91	7,943.74	24.34	18.77	134.22	-195.91	645.53	87.24	50.34	36.90	2.364	
8,100.00	8,042.52	8,099.69	8,042.52	24.76	18.82	140.68	-195.91	645.53	98.81	60.11	38.70	2.553	
8,200.00	8,141.30	8,198.47	8,141.30	25.19	18.87	145.75	-195.91	645.53	111.36	71.19	40.17	2.772	
8,300.00	8,240.07	8,297.25	8,240.07	25.61	18.93	149.77	-195.91	645.53	124.60	83.22	41.38	3.011	
8,400.00	8,338.85	8,396.02	8,338.85	26.04	18.98	153.02	-195.91	645.53	138.33	95.92	42.41	3.262	
8,500.00	8,437.63	8,494.80	8,437.63	26.47	19.03	155.67	-195.91	645.53	152.42	109.11	43.30	3.520	
8,600.00	8,536.41	8,593.58	8,536.41	26.90	19.08	157.88	-195.91	645.53	166.77	122.67	44.11	3.781	
8,700.00	8,635.18	8,692.36	8,635.18	27.32	19.13	159.73	-195.91	645.53	181.33	136.49	44.84	4.044	
8,800.00	8,733.96	8,791.13	8,733.96	27.75	19.18	161.31	-195.91	645.53	196.05	150.52	45.53	4.306	
8,900.00	8,832.74	8,889.91	8,832.74	28.18	19.24	162.66	-195.91	645.53	210.89	164.72	46.18	4.567	
9,000.00	8,931.51	8,988.69	8,931.51	28.61	19.29	163.84	-195.91	645.53	225.84	179.04	46.80	4.826	
9,100.00	9,030.29	9,087.47	9,030.29	29.05	19.34	164.87	-195.91	645.53	240.86	193.47	47.39	5.082	
9,190.38	9,119.57	9,176.74	9,119.57	29.43	19.39	165.70	-195.91	645.53	254.50	206.59	47.92	5.311	
9,200.00	9,129.07	9,186.24	9,129.07	29.47	19.39	165.79	-195.91	645.53	255.94	207.98	47.97	5.336	
9,300.00	9,228.08	9,285.25	9,228.08	29.92	19.45	166.57	-195.91	645.53	269.59	221.05	48.54	5.554	
9,400.00	9,327.42	9,384.59	9,327.42	30.33	19.50	167.15	-195.91	645.53	280.74	231.69	49.05	5.723	
9,500.00	9,427.02	9,484.20	9,427.02	30.71	19.55	167.56	-195.91	645.53	289.38	239.85	49.53	5.843	
9,600.00	9,526.82	9,584.00	9,526.82	31.07	19.61	167.84	-195.91	645.53	295.47	245.51	49.96	5.914	
9,700.00	9,626.76	9,683.93	9,626.76	31.38	19.66	168.00	-195.91	645.53	299.01	248.67	50.33	5.940	
9,788.29	9,715.04	9,772.21	9,715.04	31.52	19.71	-90.36	-195.91	645.53	300.01	249.49	50.52	5.939	
9,800.00	9,726.75	9,783.92	9,726.75	31.52	19.72	-90.36	-195.91	645.53	300.01	249.48	50.53	5.938	
9,888.29	9,815.04	9,872.22	9,815.04	31.55	19.77	-90.36	-195.91	645.53	300.01	249.40	50.60	5.928	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 704H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.00	9,826.75	9,883.92	9,826.75	31.54	19.77	-89.98	-195.91	645.53	300.01	249.40	50.61	5.928	
9,904.60	9,831.35	9,888.52	9,831.35	31.54	19.77	-90.00	-195.91	645.53	300.01	249.40	50.61	5.928	
9,950.00	9,876.63	9,933.80	9,876.63	31.53	19.80	-90.59	-195.91	645.53	300.02	249.44	50.58	5.932	
10,000.00	9,926.04	9,983.22	9,926.04	31.50	19.83	-91.99	-195.91	645.53	300.19	249.74	50.45	5.950	
10,050.00	9,974.61	10,031.78	9,974.61	31.46	19.85	-94.11	-195.91	645.53	300.84	250.63	50.22	5.991	
10,100.00	10,021.96	10,079.14	10,021.96	31.43	19.88	-96.81	-195.91	645.53	302.46	252.62	49.84	6.068	
10,150.00	10,067.74	10,124.92	10,067.74	31.40	19.91	-99.93	-195.91	645.53	305.66	256.35	49.30	6.200	
10,200.00	10,111.60	10,168.77	10,111.60	31.37	19.93	-103.24	-195.91	645.53	311.14	262.56	48.58	6.405	
10,250.00	10,153.20	10,210.37	10,153.20	31.35	19.95	-106.52	-195.91	645.53	319.60	271.95	47.66	6.706	
10,300.00	10,192.22	10,249.40	10,192.22	31.33	19.97	-109.54	-195.91	645.53	331.67	285.09	46.58	7.121	
10,350.00	10,228.38	10,285.55	10,228.38	31.32	19.99	-112.10	-195.91	645.53	347.79	302.41	45.38	7.664	
10,400.00	10,261.39	10,318.56	10,261.39	31.33	20.01	-114.04	-195.91	645.53	368.21	324.07	44.14	8.342	
10,450.00	10,291.00	10,348.17	10,291.00	31.35	20.03	-115.21	-195.91	645.53	392.93	350.00	42.93	9.154	
10,500.00	10,316.99	10,374.16	10,316.99	31.39	20.04	-115.48	-195.91	645.53	421.76	379.97	41.79	10.092	
10,550.00	10,339.16	10,396.33	10,339.16	31.44	20.06	-114.68	-195.91	645.53	454.37	413.60	40.77	11.146	
10,600.00	10,357.34	10,414.51	10,357.34	31.51	20.07	-112.65	-195.91	645.53	490.30	450.43	39.87	12.297	
10,650.00	10,371.39	10,428.56	10,371.39	31.61	20.07	-109.15	-195.91	645.53	529.05	489.96	39.10	13.531	
10,700.00	10,381.21	10,438.38	10,381.21	31.72	20.08	-103.93	-195.91	645.53	570.10	531.66	38.44	14.830	
10,750.00	10,386.72	10,443.89	10,386.72	31.86	20.08	-96.79	-195.91	645.53	612.90	575.02	37.88	16.179	
10,788.29	10,388.00	10,445.17	10,388.00	31.97	20.08	-90.00	-195.91	645.53	646.54	609.03	37.51	17.235	
10,800.00	10,388.00	10,445.17	10,388.00	32.01	20.08	-90.00	-195.91	645.53	656.93	619.53	37.41	17.561	
10,900.00	10,388.00	11,525.69	11,030.00	32.38	21.41	-154.95	488.51	640.71	708.64	655.91	52.73	13.439	
11,000.00	10,388.00	11,625.69	11,030.00	32.81	22.00	-154.95	588.50	640.01	708.64	654.88	53.76	13.182	
11,100.00	10,388.00	11,725.69	11,030.00	33.30	22.66	-154.95	688.50	639.31	708.64	653.81	54.83	12.924	
11,200.00	10,388.00	11,825.69	11,030.00	33.85	23.39	-154.95	788.50	638.60	708.64	652.69	55.94	12.667	
11,300.00	10,388.00	11,925.69	11,030.00	34.44	24.18	-154.95	888.50	637.90	708.64	651.54	57.10	12.411	
11,400.00	10,388.00	12,025.69	11,030.00	35.09	25.03	-154.95	988.49	637.20	708.64	650.34	58.29	12.157	
11,500.00	10,388.00	12,125.69	11,030.00	35.77	25.92	-154.95	1,088.49	636.49	708.64	649.12	59.52	11.906	
11,600.00	10,388.00	12,225.69	11,030.00	36.50	26.86	-154.95	1,188.49	635.79	708.64	647.85	60.78	11.659	
11,700.00	10,388.00	12,325.69	11,030.00	37.27	27.84	-154.95	1,288.49	635.08	708.63	646.56	62.07	11.416	
11,800.00	10,388.00	12,425.69	11,030.00	38.08	28.86	-154.95	1,388.48	634.38	708.63	645.24	63.40	11.178	
11,900.00	10,388.00	12,525.69	11,030.00	38.92	29.91	-154.95	1,488.48	633.68	708.63	643.89	64.75	10.945	
12,000.00	10,388.00	12,625.69	11,030.00	39.79	30.99	-154.95	1,588.48	632.97	708.63	642.51	66.12	10.717	
12,100.00	10,388.00	12,725.69	11,030.00	40.69	32.10	-154.95	1,688.48	632.27	708.63	641.11	67.52	10.495	
12,200.00	10,388.00	12,825.69	11,030.00	41.62	33.24	-154.95	1,788.47	631.57	708.63	639.69	68.95	10.278	
12,300.00	10,388.00	12,925.69	11,030.00	42.58	34.40	-154.95	1,888.47	630.86	708.63	638.24	70.39	10.067	
12,400.00	10,388.00	13,025.69	11,030.00	43.56	35.58	-154.95	1,988.47	630.16	708.63	636.78	71.86	9.862	
12,500.00	10,388.00	13,125.69	11,030.00	44.57	36.77	-154.95	2,088.47	629.46	708.63	635.29	73.34	9.662	
12,600.00	10,388.00	13,225.69	11,030.00	45.60	37.99	-154.95	2,188.46	628.75	708.63	633.79	74.84	9.468	
12,700.00	10,388.00	13,325.69	11,030.00	46.65	39.22	-154.95	2,288.46	628.05	708.63	632.27	76.36	9.280	
12,800.00	10,388.00	13,425.69	11,030.00	47.72	40.46	-154.95	2,388.46	627.34	708.63	630.74	77.90	9.097	
12,900.00	10,388.00	13,525.69	11,030.00	48.81	41.72	-154.95	2,488.46	626.64	708.63	629.19	79.45	8.920	
13,000.00	10,388.00	13,625.69	11,030.00	49.91	42.99	-154.95	2,588.45	625.94	708.63	627.62	81.01	8.748	
13,100.00	10,388.00	13,725.69	11,030.00	51.03	44.27	-154.95	2,688.45	625.23	708.63	626.05	82.59	8.581	
13,200.00	10,388.00	13,825.69	11,030.00	52.17	45.56	-154.95	2,788.45	624.53	708.63	624.46	84.17	8.419	
13,300.00	10,388.00	13,925.69	11,030.00	53.32	46.86	-154.95	2,888.45	623.83	708.63	622.86	85.78	8.262	
13,400.00	10,388.00	14,025.69	11,030.00	54.49	48.17	-154.95	2,988.44	623.12	708.63	621.24	87.39	8.109	
13,500.00	10,388.00	14,125.69	11,030.00	55.66	49.48	-154.95	3,088.44	622.42	708.63	619.62	89.01	7.961	
13,600.00	10,388.00	14,225.69	11,030.00	56.85	50.80	-154.95	3,188.44	621.72	708.63	617.99	90.64	7.818	
13,700.00	10,388.00	14,325.69	11,030.00	58.05	52.13	-154.95	3,288.44	621.01	708.63	616.35	92.28	7.679	
13,800.00	10,388.00	14,425.69	11,030.00	59.27	53.47	-154.95	3,388.43	620.31	708.63	614.70	93.93	7.544	
13,900.00	10,388.00	14,525.69	11,030.00	60.49	54.81	-154.95	3,488.43	619.60	708.63	613.04	95.59	7.413	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 704H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	10,388.00	14,625.69	11,030.00	61.72	56.15	-154.95	3,588.43	618.90	708.63	611.37	97.26	7.286	
14,100.00	10,388.00	14,725.69	11,030.00	62.96	57.51	-154.95	3,688.43	618.20	708.63	609.69	98.94	7.163	
14,200.00	10,388.00	14,825.69	11,030.00	64.21	58.86	-154.95	3,788.42	617.49	708.63	608.01	100.62	7.043	
14,300.00	10,388.00	14,925.69	11,030.00	65.46	60.22	-154.95	3,888.42	616.79	708.63	606.32	102.31	6.927	
14,400.00	10,388.00	15,025.69	11,030.00	66.72	61.58	-154.95	3,988.42	616.09	708.63	604.63	104.00	6.814	
14,500.00	10,388.00	15,125.69	11,030.00	68.00	62.95	-154.95	4,088.42	615.38	708.63	602.93	105.70	6.704	
14,600.00	10,388.00	15,225.69	11,030.00	69.27	64.32	-154.95	4,188.41	614.68	708.63	601.22	107.41	6.597	
14,700.00	10,388.00	15,325.69	11,030.00	70.56	65.70	-154.95	4,288.41	613.98	708.63	599.51	109.12	6.494	
14,800.00	10,388.00	15,425.69	11,030.00	71.85	67.07	-154.95	4,388.41	613.27	708.63	597.79	110.84	6.393	
14,900.00	10,388.00	15,525.69	11,030.00	73.14	68.45	-154.95	4,488.41	612.57	708.63	596.06	112.57	6.295	
15,000.00	10,388.00	15,625.69	11,030.00	74.44	69.84	-154.95	4,588.40	611.86	708.63	594.33	114.29	6.200	
15,100.00	10,388.00	15,725.69	11,030.00	75.75	71.22	-154.96	4,688.40	611.16	708.63	592.60	116.03	6.107	
15,200.00	10,388.00	15,825.69	11,030.00	77.06	72.61	-154.96	4,788.40	610.46	708.63	590.86	117.77	6.017	
15,300.00	10,388.00	15,925.69	11,030.00	78.38	74.00	-154.96	4,888.40	609.75	708.63	589.12	119.51	5.930	
15,400.00	10,388.00	16,025.69	11,030.00	79.70	75.39	-154.96	4,988.39	609.05	708.63	587.37	121.25	5.844	
15,500.00	10,388.00	16,125.69	11,030.00	81.02	76.79	-154.96	5,088.39	608.35	708.63	585.62	123.00	5.761	
15,600.00	10,388.00	16,225.69	11,030.00	82.35	78.18	-154.96	5,188.39	607.64	708.63	583.87	124.76	5.680	
15,700.00	10,388.00	16,325.69	11,030.00	83.68	79.58	-154.96	5,288.39	606.94	708.63	582.11	126.51	5.601	
15,800.00	10,388.00	16,425.69	11,030.00	85.02	80.98	-154.96	5,388.38	606.24	708.63	580.35	128.28	5.524	
15,900.00	10,388.00	16,525.69	11,030.00	86.36	82.38	-154.96	5,488.38	605.53	708.63	578.59	130.04	5.449	
16,000.00	10,388.00	16,625.69	11,030.00	87.70	83.78	-154.96	5,588.38	604.83	708.63	576.82	131.81	5.376	
16,100.00	10,388.00	16,725.69	11,030.00	89.05	85.19	-154.96	5,688.38	604.12	708.63	575.05	133.58	5.305	
16,200.00	10,388.00	16,825.69	11,030.00	90.40	86.59	-154.96	5,788.37	603.42	708.63	573.28	135.35	5.236	
16,300.00	10,388.00	16,925.69	11,030.00	91.75	88.00	-154.96	5,888.37	602.72	708.63	571.50	137.13	5.168	
16,400.00	10,388.00	17,025.69	11,030.00	93.11	89.41	-154.96	5,988.37	602.01	708.63	569.72	138.90	5.102	
16,500.00	10,388.00	17,125.69	11,030.00	94.46	90.82	-154.96	6,088.37	601.31	708.63	567.94	140.69	5.037	
16,600.00	10,388.00	17,225.69	11,030.00	95.83	92.23	-154.96	6,188.36	600.61	708.63	566.16	142.47	4.974	
16,700.00	10,388.00	17,325.69	11,030.00	97.19	93.64	-154.96	6,288.36	599.90	708.63	564.37	144.26	4.912	
16,800.00	10,388.00	17,425.69	11,030.00	98.55	95.06	-154.96	6,388.36	599.20	708.63	562.58	146.04	4.852	
16,900.00	10,388.00	17,525.69	11,030.00	99.92	96.47	-154.96	6,488.36	598.50	708.62	560.79	147.83	4.793	
17,000.00	10,388.00	17,625.69	11,030.00	101.29	97.88	-154.96	6,588.35	597.79	708.62	559.00	149.63	4.736	
17,100.00	10,388.00	17,725.69	11,030.00	102.66	99.30	-154.96	6,688.35	597.09	708.62	557.20	151.42	4.680	
17,200.00	10,388.00	17,825.69	11,030.00	104.04	100.72	-154.96	6,788.35	596.38	708.62	555.40	153.22	4.625	
17,300.00	10,388.00	17,925.69	11,030.00	105.41	102.14	-154.96	6,888.35	595.68	708.62	553.61	155.02	4.571	
17,400.00	10,388.00	18,025.69	11,030.00	106.79	103.55	-154.96	6,988.34	594.98	708.62	551.81	156.82	4.519	
17,500.00	10,388.00	18,125.69	11,030.00	108.17	104.97	-154.96	7,088.34	594.27	708.62	550.00	158.62	4.467	
17,600.00	10,388.00	18,225.69	11,030.00	109.55	106.39	-154.96	7,188.34	593.57	708.62	548.20	160.43	4.417	
17,700.00	10,388.00	18,325.69	11,030.00	110.94	107.81	-154.96	7,288.34	592.87	708.62	546.39	162.23	4.368	
17,800.00	10,388.00	18,425.69	11,030.00	112.32	109.24	-154.96	7,388.34	592.16	708.62	544.58	164.04	4.320	
17,900.00	10,388.00	18,525.69	11,030.00	113.71	110.66	-154.96	7,488.33	591.46	708.62	542.77	165.85	4.273	
18,000.00	10,388.00	18,625.69	11,030.00	115.09	112.08	-154.96	7,588.33	590.76	708.62	540.96	167.66	4.227	
18,100.00	10,388.00	18,725.69	11,030.00	116.48	113.50	-154.96	7,688.33	590.05	708.62	539.15	169.47	4.181	
18,200.00	10,388.00	18,825.69	11,030.00	117.87	114.93	-154.96	7,788.33	589.35	708.62	537.34	171.28	4.137	
18,300.00	10,388.00	18,925.69	11,030.00	119.27	116.35	-154.96	7,888.32	588.64	708.62	535.52	173.10	4.094	
18,400.00	10,388.00	19,025.69	11,030.00	120.66	117.78	-154.96	7,988.32	587.94	708.62	533.71	174.92	4.051	
18,500.00	10,388.00	19,125.69	11,030.00	122.05	119.20	-154.96	8,088.32	587.24	708.62	531.89	176.73	4.010	
18,600.00	10,388.00	19,225.69	11,030.00	123.45	120.63	-154.96	8,188.32	586.53	708.62	530.07	178.55	3.969	
18,700.00	10,388.00	19,325.69	11,030.00	124.85	122.06	-154.96	8,288.31	585.83	708.62	528.25	180.37	3.929	
18,800.00	10,388.00	19,425.69	11,030.00	126.24	123.48	-154.96	8,388.31	585.13	708.62	526.43	182.19	3.889	
18,900.00	10,388.00	19,525.69	11,030.00	127.64	124.91	-154.96	8,488.31	584.42	708.62	524.61	184.02	3.851	
19,000.00	10,388.00	19,625.69	11,030.00	129.04	126.34	-154.96	8,588.31	583.72	708.62	522.78	185.84	3.813	
19,100.00	10,388.00	19,725.69	11,030.00	130.45	127.77	-154.96	8,688.30	583.02	708.62	520.96	187.66	3.776	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Altitude Energy Partners

Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 704H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	10,388.00	19,825.69	11,030.00	131.85	129.20	-154.96	8,788.30	582.31	708.62	519.13	189.49	3.740	
19,300.00	10,388.00	19,925.69	11,030.00	133.25	130.63	-154.96	8,888.30	581.61	708.62	517.30	191.32	3.704	
19,400.00	10,388.00	20,025.69	11,030.00	134.65	132.06	-154.96	8,988.30	580.90	708.62	515.48	193.14	3.669	
19,500.00	10,388.00	20,125.69	11,030.00	136.06	133.49	-154.96	9,088.29	580.20	708.62	513.65	194.97	3.634	
19,600.00	10,388.00	20,225.69	11,030.00	137.47	134.92	-154.96	9,188.29	579.50	708.62	511.82	196.80	3.601	
19,700.00	10,388.00	20,325.69	11,030.00	138.87	136.35	-154.96	9,288.29	578.79	708.62	509.99	198.63	3.568	
19,800.00	10,388.00	20,425.69	11,030.00	140.28	137.78	-154.96	9,388.29	578.09	708.62	508.16	200.46	3.535	
19,900.00	10,388.00	20,525.69	11,030.00	141.69	139.21	-154.96	9,488.28	577.39	708.62	506.32	202.30	3.503	
20,000.00	10,388.00	20,625.69	11,030.00	143.10	140.64	-154.96	9,588.28	576.68	708.62	504.49	204.13	3.471	
20,100.00	10,388.00	20,725.69	11,030.00	144.51	142.07	-154.96	9,688.28	575.98	708.62	502.66	205.96	3.441	
20,200.00	10,388.00	20,825.69	11,030.00	145.92	143.51	-154.96	9,788.28	575.28	708.62	500.82	207.80	3.410	
20,300.00	10,388.00	20,925.69	11,030.00	147.33	144.94	-154.96	9,888.27	574.57	708.62	498.99	209.63	3.380	
20,400.00	10,388.00	21,025.69	11,030.00	148.74	146.37	-154.96	9,988.27	573.87	708.62	497.15	211.47	3.351	
20,500.00	10,388.00	21,125.69	11,030.00	150.15	147.81	-154.96	10,088.27	573.16	708.62	495.31	213.30	3.322	
20,600.00	10,388.00	21,225.69	11,030.00	151.57	149.24	-154.96	10,188.27	572.46	708.62	493.48	215.14	3.294	
20,643.06	10,388.00	21,268.75	11,030.00	152.18	149.86	-154.96	10,231.32	572.16	708.62	492.69	215.93	3.282	
20,644.35	10,388.00	21,269.91	11,030.00	152.19	149.87	-154.96	10,232.48	572.15	708.62	492.67	215.95	3.281	

Altitude Energy Partners
Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 803H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.64	1.57	249.95	249.95				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	1.57	249.95	249.95	248.37	1.58	157.784	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	1.57	249.95	249.95	247.06	2.90	86.213	
300.00	300.00	300.00	300.00	1.89	1.89	89.64	1.57	249.95	249.95	246.17	3.79	65.972	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	1.57	249.95	249.95	245.44	4.51	55.398	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	1.57	249.95	249.95	244.82	5.14	48.635	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	1.57	249.95	249.95	244.25	5.70	43.830	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	1.57	249.95	249.95	243.74	6.22	40.187	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	1.57	249.95	249.95	243.25	6.70	37.302	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	1.57	249.95	249.95	242.80	7.15	34.943	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	1.57	249.95	249.95	242.37	7.58	32.966	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	1.57	249.95	249.95	241.96	7.99	31.277	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	1.57	249.95	249.95	241.57	8.38	29.813	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	1.57	249.95	249.95	241.19	8.76	28.526	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	1.57	249.95	249.95	240.83	9.13	27.385	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	1.57	249.95	249.95	240.47	9.48	26.362	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	1.57	249.95	249.95	240.13	9.83	25.439	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	1.57	249.95	249.95	239.79	10.16	24.601	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	1.57	249.95	249.95	239.47	10.49	23.834	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	1.57	249.95	249.95	239.15	10.81	23.130	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	1.57	249.95	249.95	238.84	11.12	22.479	
2,100.00	2,100.00	2,101.17	2,101.16	5.71	5.73	89.94	0.25	249.72	249.72	238.32	11.40	21.897	
2,200.00	2,200.00	2,202.19	2,202.10	5.86	5.89	90.85	-3.70	249.02	249.06	237.40	11.66	21.359	
2,300.00	2,300.00	2,302.94	2,302.62	6.01	6.06	92.37	-10.25	247.87	248.09	236.18	11.91	20.830	
2,400.00	2,400.00	2,402.71	2,402.05	6.16	6.20	94.26	-18.37	246.43	247.13	234.98	12.15	20.346	
2,500.00	2,500.00	2,502.37	2,501.37	6.30	6.38	96.17	-26.49	245.00	246.43	234.04	12.40	19.881	
2,600.00	2,600.00	2,602.02	2,600.68	6.44	6.58	98.09	-34.62	243.57	246.02	233.37	12.64	19.457	
2,699.37	2,699.37	2,701.06	2,699.37	6.58	6.79	100.00	-42.70	242.14	245.88	232.99	12.89	19.074	
2,700.00	2,700.00	2,701.68	2,700.00	6.58	6.79	100.01	-42.75	242.14	245.88	232.99	12.89	19.073	
2,800.00	2,800.00	2,806.79	2,804.77	6.72	7.01	101.96	-50.76	239.72	245.08	231.94	13.15	18.644	
2,900.00	2,900.00	2,912.90	2,910.55	6.85	7.25	103.72	-57.34	234.80	241.93	228.52	13.41	18.041	
3,000.00	3,000.00	3,014.73	3,012.04	6.98	7.43	105.31	-62.49	228.20	236.91	223.30	13.61	17.409	
3,100.00	3,099.99	3,114.30	3,111.27	7.13	7.67	5.37	-67.44	221.61	230.62	216.74	13.88	16.617	
3,200.00	3,199.91	3,213.67	3,210.29	7.27	7.91	7.20	-72.38	215.03	221.94	207.79	14.14	15.692	
3,300.00	3,299.69	3,312.75	3,309.04	7.42	8.17	9.30	-77.31	208.47	210.92	196.50	14.42	14.626	
3,400.00	3,399.27	3,411.48	3,407.43	7.59	8.43	11.78	-82.22	201.94	197.67	182.96	14.71	13.435	
3,500.00	3,498.57	3,509.80	3,505.41	7.78	8.70	14.83	-87.11	195.43	182.31	167.29	15.02	12.139	
3,597.91	3,595.47	3,605.60	3,600.88	7.99	8.97	18.63	-91.87	189.09	165.46	150.14	15.32	10.798	
3,600.00	3,597.54	3,607.64	3,602.91	7.99	8.98	18.72	-91.97	188.95	165.09	149.76	15.33	10.769	
3,700.00	3,696.31	3,705.22	3,700.16	8.49	9.26	23.56	-96.82	182.49	147.61	131.68	15.93	9.265	
3,800.00	3,795.09	3,802.80	3,797.41	8.71	9.55	29.63	-101.67	176.03	131.45	115.19	16.25	8.088	
3,900.00	3,893.87	3,900.38	3,894.66	8.95	9.85	37.23	-106.53	169.57	117.14	100.52	16.62	7.049	
4,000.00	3,992.65	3,997.97	3,991.90	9.20	10.15	46.66	-111.38	163.11	105.46	88.39	17.07	6.178	
4,100.00	4,091.42	4,095.55	4,089.15	9.46	10.45	57.95	-116.23	156.65	97.35	79.69	17.66	5.512	
4,200.00	4,190.20	4,193.13	4,186.40	9.74	10.76	70.61	-121.08	150.19	93.74	75.33	18.41	5.092	
4,222.24	4,212.17	4,214.84	4,208.03	9.80	10.83	73.51	-122.16	148.75	93.61	75.02	18.59	5.036	CC, ES
4,300.00	4,288.98	4,290.72	4,283.65	10.03	11.08	83.56	-125.93	143.73	95.14	75.89	19.25	4.942	SF
4,400.00	4,387.75	4,388.30	4,380.89	10.33	11.39	95.56	-130.79	137.27	101.35	81.24	20.11	5.039	
4,500.00	4,486.53	4,485.88	4,478.14	10.64	11.72	105.84	-135.64	130.81	111.57	90.65	20.92	5.332	
4,600.00	4,585.31	4,583.47	4,575.39	10.96	12.04	114.23	-140.49	124.34	124.81	103.14	21.67	5.759	
4,700.00	4,684.09	4,681.05	4,672.64	11.29	12.37	120.94	-145.34	117.88	140.23	117.86	22.37	6.268	
4,800.00	4,782.86	4,778.63	4,769.89	11.63	12.70	126.29	-150.19	111.42	157.18	134.14	23.04	6.823	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 803H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.00	4,881.64	4,876.21	4,867.13	11.97	13.03	130.58	-155.04	104.96	175.22	151.53	23.68	7.398	
5,000.00	4,980.42	4,973.80	4,964.38	12.32	13.36	134.07	-159.90	98.50	194.04	169.72	24.32	7.979	
5,100.00	5,079.20	5,071.38	5,061.63	12.68	13.70	136.94	-164.75	92.04	213.44	188.49	24.95	8.554	
5,200.00	5,177.97	5,168.96	5,158.88	13.04	14.04	139.34	-169.60	85.58	233.28	207.69	25.59	9.118	
5,300.00	5,276.75	5,266.55	5,256.13	13.41	14.38	141.35	-174.45	79.12	253.45	227.23	26.22	9.666	
5,400.00	5,375.53	5,364.13	5,353.37	13.78	14.72	143.07	-179.30	72.66	273.87	247.01	26.86	10.196	
5,500.00	5,474.31	5,461.71	5,450.62	14.15	15.06	144.55	-184.16	66.20	294.50	267.00	27.51	10.707	
5,600.00	5,573.08	5,559.30	5,547.87	14.53	15.41	145.84	-189.01	59.74	315.30	287.15	28.16	11.199	
5,700.00	5,671.86	5,660.71	5,648.96	14.92	15.76	147.02	-193.89	53.24	335.99	307.16	28.84	11.652	
5,800.00	5,770.64	5,768.04	5,756.11	15.30	16.12	148.24	-197.56	48.35	354.62	325.07	29.55	12.002	
5,900.00	5,869.42	5,876.26	5,864.28	15.69	16.44	149.49	-199.43	45.86	370.72	340.52	30.20	12.276	
6,000.00	5,968.19	5,980.17	5,968.19	16.09	16.55	150.71	-199.67	45.54	384.63	353.99	30.64	12.552	
6,100.00	6,066.97	6,078.95	6,066.97	16.48	16.58	151.80	-199.67	45.54	398.34	367.32	31.02	12.842	
6,200.00	6,165.75	6,177.73	6,165.75	16.88	16.63	152.82	-199.67	45.54	412.18	380.78	31.40	13.125	
6,300.00	6,264.53	6,276.51	6,264.53	17.28	16.67	153.78	-199.67	45.54	426.14	394.35	31.79	13.403	
6,400.00	6,363.30	6,375.28	6,363.30	17.68	16.71	154.67	-199.67	45.54	440.21	408.02	32.19	13.675	
6,500.00	6,462.08	6,474.06	6,462.08	18.09	16.75	155.51	-199.67	45.54	454.38	421.79	32.59	13.941	
6,600.00	6,560.86	6,572.84	6,560.86	18.50	16.80	156.30	-199.67	45.54	468.64	435.64	33.00	14.202	
6,700.00	6,659.63	6,671.62	6,659.63	18.90	16.84	157.04	-199.67	45.54	482.98	449.57	33.41	14.456	
6,800.00	6,758.41	6,770.39	6,758.41	19.31	16.88	157.74	-199.67	45.54	497.40	463.58	33.83	14.705	
6,900.00	6,857.19	6,869.17	6,857.19	19.73	16.93	158.40	-199.67	45.54	511.89	477.64	34.24	14.948	
7,000.00	6,955.97	6,967.95	6,955.97	20.14	16.97	159.02	-199.67	45.54	526.44	491.77	34.67	15.185	
7,100.00	7,054.74	7,066.72	7,054.74	20.55	17.02	159.61	-199.67	45.54	541.04	505.95	35.09	15.417	
7,200.00	7,153.52	7,165.50	7,153.52	20.97	17.06	160.17	-199.67	45.54	555.71	520.18	35.53	15.642	
7,300.00	7,252.30	7,264.28	7,252.30	21.39	17.10	160.70	-199.67	45.54	570.41	534.46	35.96	15.863	
7,400.00	7,351.08	7,363.06	7,351.08	21.80	17.15	161.21	-199.67	45.54	585.17	548.77	36.40	16.078	
7,500.00	7,449.85	7,461.83	7,449.85	22.22	17.20	161.69	-199.67	45.54	599.97	563.13	36.84	16.287	
7,600.00	7,548.63	7,560.61	7,548.63	22.64	17.24	162.14	-199.67	45.54	614.80	577.53	37.28	16.492	
7,700.00	7,647.41	7,659.39	7,647.41	23.07	17.29	162.58	-199.67	45.54	629.68	591.95	37.72	16.691	
7,800.00	7,746.19	7,758.17	7,746.19	23.49	17.33	162.99	-199.67	45.54	644.58	606.41	38.17	16.886	
7,900.00	7,844.96	7,856.94	7,844.96	23.91	17.38	163.39	-199.67	45.54	659.52	620.90	38.62	17.076	
8,000.00	7,943.74	7,955.72	7,943.74	24.34	17.43	163.77	-199.67	45.54	674.49	635.41	39.08	17.261	
8,100.00	8,042.52	8,054.50	8,042.52	24.76	17.47	164.13	-199.67	45.54	689.49	649.95	39.53	17.441	
8,200.00	8,141.30	8,153.28	8,141.30	25.19	17.52	164.47	-199.67	45.54	704.51	664.52	39.99	17.618	
8,300.00	8,240.07	8,252.05	8,240.07	25.61	17.57	164.81	-199.67	45.54	719.55	679.10	40.45	17.789	
8,400.00	8,338.85	8,350.83	8,338.85	26.04	17.62	165.12	-199.67	45.54	734.62	693.71	40.91	17.957	
8,500.00	8,437.63	8,449.61	8,437.63	26.47	17.66	165.43	-199.67	45.54	749.71	708.34	41.37	18.121	
8,600.00	8,536.41	8,548.39	8,536.41	26.90	17.71	165.72	-199.67	45.54	764.82	722.98	41.84	18.281	
8,700.00	8,635.18	8,647.16	8,635.18	27.32	17.76	166.01	-199.67	45.54	779.95	737.64	42.30	18.437	
8,800.00	8,733.96	8,745.94	8,733.96	27.75	17.81	166.28	-199.67	45.54	795.09	752.32	42.77	18.589	
8,900.00	8,832.74	8,844.72	8,832.74	28.18	17.86	166.54	-199.67	45.54	810.26	767.02	43.24	18.738	
9,000.00	8,931.51	8,943.49	8,931.51	28.61	17.91	166.79	-199.67	45.54	825.44	781.72	43.71	18.883	
9,100.00	9,030.29	9,042.27	9,030.29	29.05	17.96	167.03	-199.67	45.54	840.63	796.44	44.19	19.025	
9,190.38	9,119.57	9,131.55	9,119.57	29.43	18.00	167.24	-199.67	45.54	854.37	809.76	44.61	19.152	
9,200.00	9,129.07	9,141.05	9,129.07	29.47	18.01	167.27	-199.67	45.54	855.83	811.17	44.65	19.166	
9,300.00	9,228.08	9,240.06	9,228.08	29.92	18.06	167.52	-199.67	45.54	869.54	824.40	45.14	19.262	
9,400.00	9,327.42	9,339.40	9,327.42	30.33	18.11	167.72	-199.67	45.54	880.73	835.13	45.60	19.316	
9,500.00	9,427.02	9,439.00	9,427.02	30.71	18.16	167.87	-199.67	45.54	889.37	843.34	46.03	19.322	
9,600.00	9,526.82	9,538.80	9,526.82	31.07	18.21	167.97	-199.67	45.54	895.47	849.04	46.43	19.285	
9,700.00	9,626.76	9,638.74	9,626.76	31.38	18.26	168.03	-199.67	45.54	899.01	852.21	46.80	19.211	
9,788.29	9,715.04	9,727.02	9,715.04	31.52	18.30	-90.36	-199.67	45.54	900.01	853.03	46.98	19.158	
9,800.00	9,726.75	9,738.73	9,726.75	31.52	18.31	-90.36	-199.67	45.54	900.01	853.02	46.99	19.155	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Altitude Energy Partners

Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 803H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,888.29	9,815.04	9,827.02	9,815.04	31.55	18.36	-90.36	-199.67	45.54	900.01	852.94	47.07	19.121	
9,900.00	9,826.75	9,838.73	9,826.75	31.54	18.36	-89.96	-199.67	45.54	900.01	852.93	47.08	19.118	
9,916.55	9,843.29	9,855.27	9,843.29	31.54	18.37	-90.00	-199.67	45.54	900.01	852.92	47.09	19.113	
9,950.00	9,876.63	9,888.61	9,876.63	31.53	18.39	-90.17	-199.67	45.54	900.01	852.89	47.12	19.102	
10,000.00	9,926.04	9,938.02	9,926.04	31.50	18.41	-90.63	-199.67	45.54	900.06	852.91	47.16	19.086	
10,050.00	9,974.61	9,986.59	9,974.61	31.46	18.44	-91.34	-199.67	45.54	900.28	853.07	47.20	19.072	
10,100.00	10,021.96	10,033.94	10,021.96	31.43	18.46	-92.25	-199.67	45.54	900.81	853.55	47.25	19.063	
10,150.00	10,067.74	10,079.72	10,067.74	31.40	18.49	-93.31	-199.67	45.54	901.88	854.57	47.30	19.066	
10,200.00	10,111.60	10,123.58	10,111.60	31.37	18.51	-94.46	-199.67	45.54	903.74	856.39	47.35	19.087	
10,250.00	10,153.20	10,165.18	10,153.20	31.35	18.53	-95.62	-199.67	45.54	906.67	859.29	47.38	19.135	
10,300.00	10,192.22	10,204.20	10,192.22	31.33	18.55	-96.72	-199.67	45.54	910.98	863.58	47.40	19.217	
10,350.00	10,228.38	10,240.36	10,228.38	31.32	18.57	-97.69	-199.67	45.54	916.96	869.55	47.40	19.344	
10,400.00	10,261.39	10,273.37	10,261.39	31.33	18.59	-98.44	-199.67	45.54	924.87	877.50	47.37	19.525	
10,450.00	10,291.00	10,302.98	10,291.00	31.35	18.61	-98.90	-199.67	45.54	934.97	887.67	47.30	19.767	
10,500.00	10,316.99	10,328.97	10,316.99	31.39	18.62	-99.01	-199.67	45.54	947.43	900.24	47.19	20.078	
10,550.00	10,339.16	10,351.14	10,339.16	31.44	18.63	-98.70	-199.67	45.54	962.36	915.33	47.03	20.463	
10,600.00	10,357.34	10,369.32	10,357.34	31.51	18.64	-97.91	-199.67	45.54	979.82	932.99	46.82	20.926	
10,650.00	10,371.39	10,383.37	10,371.39	31.61	18.65	-96.59	-199.67	45.54	999.75	953.18	46.57	21.467	

Altitude Energy Partners
Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 804H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Rule Assigned:** — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.64	1.73	274.95	274.96				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	1.73	274.95	274.96	273.37	1.58	173.565	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	1.73	274.95	274.96	272.06	2.90	94.836	
300.00	300.00	300.00	300.00	1.89	1.89	89.64	1.73	274.95	274.96	271.17	3.79	72.570	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	1.73	274.95	274.96	270.44	4.51	60.939	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	1.73	274.95	274.96	269.82	5.14	53.499	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	1.73	274.95	274.96	269.25	5.70	48.214	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	1.73	274.95	274.96	268.74	6.22	44.207	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	1.73	274.95	274.96	268.25	6.70	41.033	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	1.73	274.95	274.96	267.80	7.15	38.438	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	1.73	274.95	274.96	267.37	7.58	36.263	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	1.73	274.95	274.96	266.96	7.99	34.405	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	1.73	274.95	274.96	266.57	8.38	32.794	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	1.73	274.95	274.96	266.19	8.76	31.380	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	1.73	274.95	274.96	265.83	9.13	30.124	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	1.73	274.95	274.96	265.47	9.48	28.999	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	1.73	274.95	274.96	265.13	9.83	27.984	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	1.73	274.95	274.96	264.79	10.16	27.061	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	1.73	274.95	274.96	264.47	10.49	26.218	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	1.73	274.95	274.96	264.15	10.81	25.443	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	1.73	274.95	274.96	263.84	11.12	24.728	CC
2,100.00	2,100.00	2,093.39	2,093.38	5.71	5.72	89.69	1.51	276.07	276.15	264.72	11.43	24.153	
2,200.00	2,200.00	2,186.67	2,186.60	5.86	5.89	89.82	0.85	279.43	279.75	268.01	11.74	23.837	
2,300.00	2,300.00	2,279.73	2,279.48	6.01	6.06	90.05	-0.24	285.00	285.74	273.69	12.04	23.724	
2,400.00	2,400.00	2,372.45	2,371.86	6.16	6.25	90.34	-1.75	292.76	294.11	281.75	12.36	23.793	
2,500.00	2,500.00	2,464.74	2,463.59	6.30	6.46	90.70	-3.69	302.66	304.87	292.18	12.69	24.027	
2,600.00	2,600.00	2,556.49	2,554.52	6.44	6.68	91.10	-6.04	314.66	317.99	304.96	13.03	24.406	
2,700.00	2,700.00	2,647.59	2,644.49	6.58	6.93	91.53	-8.78	328.70	333.47	320.08	13.38	24.921	
2,800.00	2,800.00	2,739.40	2,734.80	6.72	7.16	91.99	-11.96	344.93	351.24	337.52	13.72	25.596	
2,900.00	2,900.00	2,837.62	2,831.27	6.85	7.42	92.44	-15.50	363.04	369.81	355.69	14.13	26.180	
3,000.00	3,000.00	2,935.84	2,927.74	6.98	7.71	92.86	-19.04	381.15	388.41	373.85	14.56	26.682	
3,100.00	3,099.99	3,034.29	3,024.44	7.13	8.02	-8.35	-22.59	399.31	405.75	390.73	15.01	27.025	
3,200.00	3,199.91	3,133.17	3,121.55	7.27	8.34	-8.04	-26.16	417.54	420.54	405.06	15.48	27.169	
3,300.00	3,299.69	3,232.40	3,219.02	7.42	8.67	-7.81	-29.74	435.84	432.78	416.80	15.97	27.094	
3,400.00	3,399.27	3,331.93	3,316.77	7.59	9.02	-7.65	-33.33	454.20	442.43	425.94	16.50	26.815	
3,500.00	3,498.57	3,431.67	3,414.74	7.78	9.38	-7.53	-36.93	472.59	449.51	432.45	17.06	26.351	
3,597.91	3,595.47	3,529.48	3,510.80	7.99	9.73	-7.47	-40.46	490.63	453.93	436.30	17.63	25.745	
3,600.00	3,597.54	3,531.57	3,512.85	7.99	9.74	-7.47	-40.53	491.01	454.00	436.36	17.64	25.734	
3,700.00	3,696.31	3,631.51	3,611.02	8.49	10.12	-7.44	-44.14	509.44	457.24	438.70	18.54	24.657	
3,800.00	3,795.09	3,731.46	3,709.19	8.71	10.50	-7.41	-47.74	527.88	460.48	441.33	19.16	24.037	
3,900.00	3,893.87	3,831.41	3,807.35	8.95	10.89	-7.38	-51.35	546.31	463.73	443.93	19.79	23.428	
4,000.00	3,992.65	3,931.35	3,905.52	9.20	11.28	-7.35	-54.95	564.74	466.97	446.52	20.45	22.833	
4,100.00	4,091.42	4,031.30	4,003.69	9.46	11.68	-7.32	-58.56	583.17	470.22	449.09	21.13	22.254	
4,200.00	4,190.20	4,131.25	4,101.85	9.74	12.09	-7.29	-62.16	601.60	473.46	451.64	21.82	21.694	
4,300.00	4,288.98	4,231.19	4,200.02	10.03	12.50	-7.26	-65.77	620.03	476.71	454.17	22.54	21.153	
4,400.00	4,387.75	4,331.14	4,298.19	10.33	12.91	-7.23	-69.37	638.46	479.95	456.69	23.26	20.632	
4,500.00	4,486.53	4,431.09	4,396.35	10.64	13.32	-7.20	-72.98	656.90	483.19	459.19	24.00	20.131	
4,600.00	4,585.31	4,531.04	4,494.52	10.96	13.74	-7.18	-76.58	675.33	486.44	461.68	24.75	19.651	
4,700.00	4,684.09	4,630.98	4,592.69	11.29	14.17	-7.15	-80.19	693.76	489.68	464.17	25.52	19.190	
4,800.00	4,782.86	4,730.93	4,690.85	11.63	14.59	-7.12	-83.79	712.19	492.93	466.64	26.29	18.749	
4,900.00	4,881.64	4,830.88	4,789.02	11.97	15.02	-7.10	-87.40	730.62	496.17	469.10	27.07	18.326	
5,000.00	4,980.42	4,930.82	4,887.19	12.32	15.45	-7.07	-91.00	749.05	499.42	471.55	27.87	17.922	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

FRANKLIN MOUNTAIN ENERGY

Altitude Energy Partners

Anticollision Report

ALTITUDE ENERGY PARTNERS

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 804H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,079.20	5,030.77	4,985.35	12.68	15.88	-7.04	-94.61	767.48	502.66	474.00	28.67	17.535	
5,200.00	5,177.97	5,130.72	5,083.52	13.04	16.31	-7.02	-98.21	785.92	505.91	476.44	29.47	17.166	
5,300.00	5,276.75	5,230.67	5,181.69	13.41	16.74	-6.99	-101.82	804.35	509.16	478.87	30.29	16.812	
5,400.00	5,375.53	5,330.61	5,279.85	13.78	17.18	-6.97	-105.42	822.78	512.40	481.30	31.11	16.473	
5,500.00	5,474.31	5,430.56	5,378.02	14.15	17.62	-6.94	-109.03	841.21	515.65	483.72	31.93	16.149	
5,600.00	5,573.08	5,530.51	5,476.19	14.53	18.06	-6.92	-112.63	859.64	518.89	486.13	32.76	15.839	
5,700.00	5,671.86	5,630.45	5,574.35	14.92	18.50	-6.89	-116.24	878.07	522.14	488.54	33.60	15.542	
5,800.00	5,770.64	5,730.40	5,672.52	15.30	18.94	-6.87	-119.84	896.51	525.38	490.95	34.44	15.257	
5,900.00	5,869.42	5,830.35	5,770.69	15.69	19.38	-6.85	-123.45	914.94	528.63	493.35	35.28	14.984	
6,000.00	5,968.19	5,930.30	5,868.85	16.09	19.83	-6.82	-127.05	933.37	531.88	495.75	36.13	14.722	
6,100.00	6,066.97	6,030.24	5,967.02	16.48	20.27	-6.80	-130.66	951.80	535.12	498.14	36.98	14.471	
6,200.00	6,165.75	6,130.19	6,065.19	16.88	20.72	-6.78	-134.26	970.23	538.37	500.54	37.83	14.230	
6,300.00	6,264.53	6,230.14	6,163.35	17.28	21.16	-6.76	-137.87	988.66	541.61	502.92	38.69	13.999	
6,400.00	6,363.30	6,330.08	6,261.52	17.68	21.61	-6.73	-141.47	1,007.09	544.86	505.31	39.55	13.776	
6,500.00	6,462.08	6,430.03	6,359.69	18.09	22.06	-6.71	-145.08	1,025.53	548.11	507.69	40.41	13.562	
6,600.00	6,560.86	6,529.98	6,457.85	18.50	22.51	-6.69	-148.68	1,043.96	551.35	510.07	41.28	13.356	
6,700.00	6,659.63	6,629.92	6,556.02	18.90	22.96	-6.67	-152.29	1,062.39	554.60	512.45	42.15	13.158	
6,800.00	6,758.41	6,729.87	6,654.19	19.31	23.41	-6.65	-155.89	1,080.82	557.85	514.83	43.02	12.967	
6,900.00	6,857.19	6,829.82	6,752.35	19.73	23.86	-6.63	-159.50	1,099.25	561.09	517.20	43.89	12.784	
7,000.00	6,955.97	6,929.77	6,850.52	20.14	24.31	-6.61	-163.10	1,117.68	564.34	519.58	44.77	12.606	
7,100.00	7,054.74	7,029.71	6,948.69	20.55	24.76	-6.59	-166.71	1,136.12	567.59	521.95	45.64	12.435	
7,200.00	7,153.52	7,129.66	7,046.85	20.97	25.21	-6.57	-170.31	1,154.55	570.84	524.31	46.52	12.271	
7,300.00	7,252.30	7,229.61	7,145.02	21.39	25.67	-6.55	-173.92	1,172.98	574.08	526.68	47.40	12.111	
7,400.00	7,351.08	7,329.55	7,243.19	21.80	26.12	-6.53	-177.52	1,191.41	577.33	529.05	48.28	11.958	
7,500.00	7,449.85	7,440.21	7,351.99	22.22	26.61	-6.51	-181.39	1,211.18	580.02	530.81	49.21	11.787	
7,600.00	7,548.63	7,558.00	7,468.36	22.64	27.13	-6.53	-184.88	1,229.03	579.89	529.75	50.14	11.565	
7,700.00	7,647.41	7,675.67	7,585.12	23.07	27.62	-6.59	-187.68	1,243.34	576.69	525.68	51.02	11.304	
7,800.00	7,746.19	7,792.99	7,701.93	23.49	28.09	-6.68	-189.78	1,254.09	570.44	518.63	51.82	11.009	
7,900.00	7,844.96	7,909.75	7,818.45	23.91	28.51	-6.82	-191.19	1,261.28	561.16	508.62	52.53	10.682	
8,000.00	7,943.74	8,025.73	7,934.37	24.34	28.84	-7.00	-191.91	1,264.97	548.86	495.75	53.12	10.333	
8,100.00	8,042.52	8,133.89	8,042.52	24.76	28.96	-7.22	-192.02	1,265.52	533.87	480.33	53.54	9.971	
8,200.00	8,141.30	8,232.66	8,141.30	25.19	29.00	-7.44	-192.02	1,265.52	518.41	464.41	53.99	9.602	
8,300.00	8,240.07	8,331.44	8,240.07	25.61	29.02	-7.67	-192.02	1,265.52	502.95	448.52	54.43	9.240	
8,400.00	8,338.85	8,430.22	8,338.85	26.04	29.05	-7.91	-192.02	1,265.52	487.50	432.63	54.87	8.885	
8,500.00	8,437.63	8,529.00	8,437.63	26.47	29.08	-8.17	-192.02	1,265.52	472.06	416.76	55.30	8.536	
8,600.00	8,536.41	8,627.77	8,536.41	26.90	29.11	-8.45	-192.02	1,265.52	456.63	400.89	55.74	8.193	
8,700.00	8,635.18	8,726.55	8,635.18	27.32	29.14	-8.75	-192.02	1,265.52	441.21	385.04	56.17	7.855	
8,800.00	8,733.96	8,825.33	8,733.96	27.75	29.16	-9.07	-192.02	1,265.52	425.81	369.21	56.60	7.523	
8,900.00	8,832.74	8,924.11	8,832.74	28.18	29.19	-9.41	-192.02	1,265.52	410.41	353.39	57.03	7.197	
9,000.00	8,931.51	9,022.88	8,931.51	28.61	29.22	-9.78	-192.02	1,265.52	395.04	337.58	57.45	6.876	
9,100.00	9,030.29	9,121.66	9,030.29	29.05	29.25	-10.18	-192.02	1,265.52	379.68	321.80	57.87	6.561	
9,190.38	9,119.57	9,210.94	9,119.57	29.43	29.28	-10.57	-192.02	1,265.52	365.81	307.57	58.25	6.280	
9,200.00	9,129.07	9,220.44	9,129.07	29.47	29.28	-10.61	-192.02	1,265.52	364.35	306.07	58.28	6.251	
9,300.00	9,228.08	9,319.44	9,228.08	29.92	29.31	-10.99	-192.02	1,265.52	350.55	291.84	58.71	5.971	
9,400.00	9,327.42	9,418.78	9,327.42	30.33	29.34	-11.32	-192.02	1,265.52	339.31	280.21	59.11	5.741	
9,500.00	9,427.02	9,518.39	9,427.02	30.71	29.37	-11.60	-192.02	1,265.52	330.64	271.16	59.48	5.559	
9,600.00	9,526.82	9,618.19	9,526.82	31.07	29.40	-11.80	-192.02	1,265.52	324.54	264.70	59.84	5.424	
9,700.00	9,626.76	9,718.12	9,626.76	31.38	29.43	-11.92	-192.02	1,265.52	320.99	260.83	60.16	5.336	
9,788.29	9,715.04	9,806.41	9,715.04	31.52	29.46	89.64	-192.02	1,265.52	320.00	259.68	60.31	5.306	
9,800.00	9,726.75	9,818.12	9,726.75	31.52	29.46	89.64	-192.02	1,265.52	320.00	259.68	60.32	5.305	
9,888.29	9,815.04	9,906.41	9,815.04	31.55	29.49	89.64	-192.02	1,265.52	320.00	259.62	60.38	5.300	
9,900.00	9,826.75	9,918.12	9,826.75	31.54	29.49	90.06	-192.02	1,265.52	320.00	259.61	60.38	5.300	

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Altitude Energy Partners

Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Offset Design: Treble East Pad - Treble State Com 804H - OH - Plan 1 — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD+HDGM — **Offset Well Error:** 0.00 usft

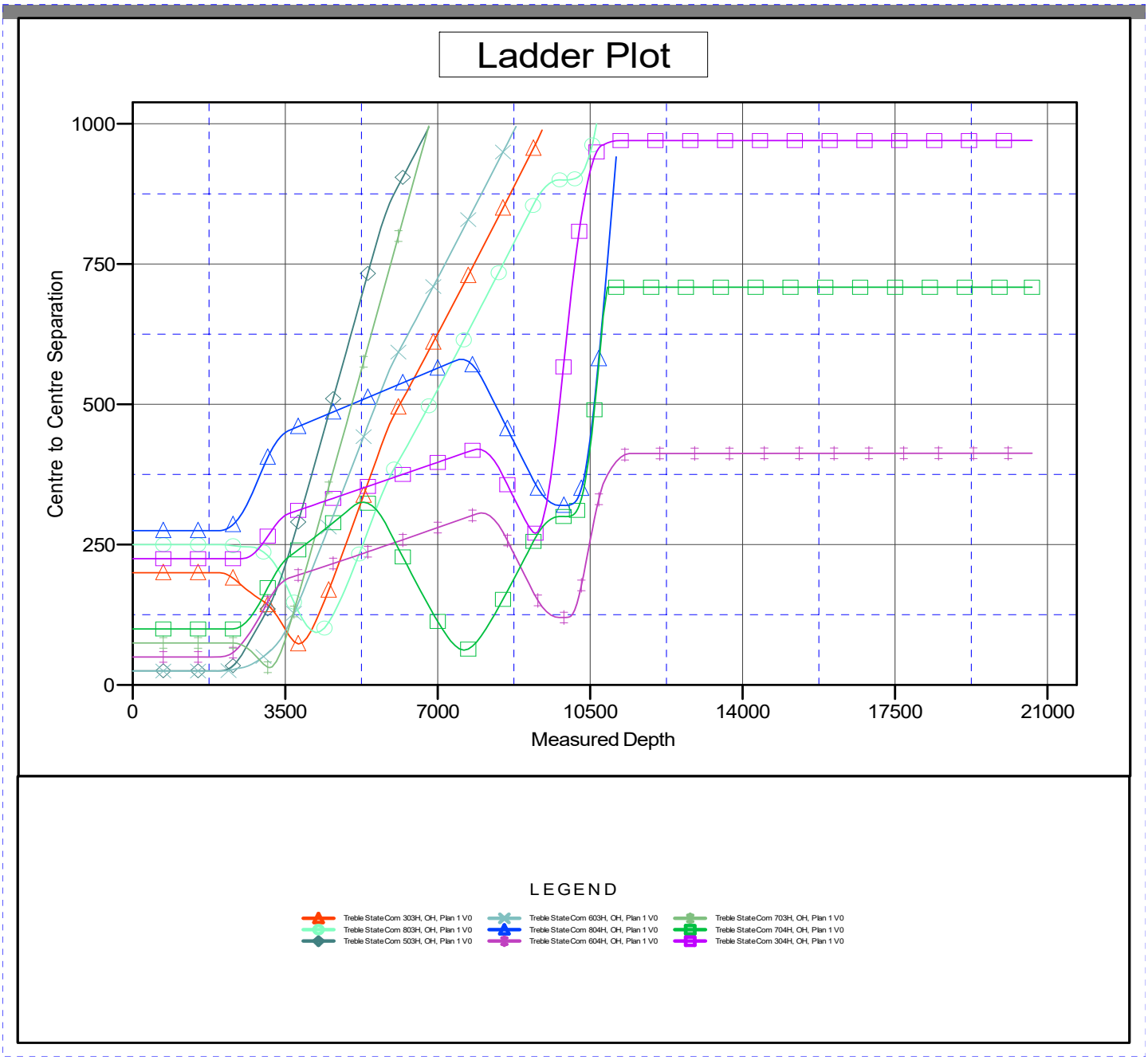
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,950.00	9,876.63	9,968.00	9,876.63	31.53	29.51	90.63	-192.02	1,265.52	320.02	259.55	60.47	5.292	ES
10,000.00	9,926.04	10,017.41	9,926.04	31.50	29.52	91.95	-192.02	1,265.52	320.19	259.57	60.62	5.282	
10,050.00	9,974.61	10,065.98	9,974.61	31.46	29.54	93.93	-192.02	1,265.52	320.82	260.03	60.79	5.278	SF
10,100.00	10,021.96	10,113.33	10,021.96	31.43	29.55	96.47	-192.02	1,265.52	322.35	261.43	60.92	5.291	
10,150.00	10,067.74	10,159.11	10,067.74	31.40	29.57	99.39	-192.02	1,265.52	325.39	264.43	60.96	5.338	
10,200.00	10,111.60	10,202.97	10,111.60	31.37	29.58	102.51	-192.02	1,265.52	330.58	269.75	60.82	5.435	
10,250.00	10,153.20	10,244.57	10,153.20	31.35	29.59	105.60	-192.02	1,265.52	338.59	278.14	60.45	5.601	
10,300.00	10,192.22	10,283.59	10,192.22	31.33	29.61	108.46	-192.02	1,265.52	350.05	290.22	59.83	5.851	
10,350.00	10,228.38	10,319.74	10,228.38	31.32	29.62	110.90	-192.02	1,265.52	365.41	306.46	58.95	6.199	
10,400.00	10,261.39	10,352.75	10,261.39	31.33	29.63	112.74	-192.02	1,265.52	384.93	327.06	57.87	6.652	
10,450.00	10,291.00	10,382.37	10,291.00	31.35	29.64	113.86	-192.02	1,265.52	408.69	352.02	56.67	7.212	
10,500.00	10,316.99	10,408.36	10,316.99	31.39	29.64	114.11	-192.02	1,265.52	436.53	381.11	55.42	7.877	
10,550.00	10,339.16	10,430.52	10,339.16	31.44	29.65	113.34	-192.02	1,265.52	468.15	413.97	54.19	8.639	
10,600.00	10,357.34	10,448.71	10,357.34	31.51	29.66	111.39	-192.02	1,265.52	503.15	450.11	53.04	9.487	
10,650.00	10,371.39	10,462.76	10,371.39	31.61	29.66	108.05	-192.02	1,265.52	541.02	489.03	51.99	10.406	
10,700.00	10,381.21	10,472.58	10,381.21	31.72	29.67	103.10	-192.02	1,265.52	581.27	530.20	51.07	11.382	
10,750.00	10,386.72	10,478.09	10,386.72	31.86	29.67	96.37	-192.02	1,265.52	623.34	573.07	50.27	12.400	
10,788.29	10,388.00	10,479.37	10,388.00	31.97	29.67	90.00	-192.02	1,265.52	656.47	606.73	49.74	13.198	
10,800.00	10,388.00	10,479.37	10,388.00	32.01	29.67	90.00	-192.02	1,265.52	666.72	617.13	49.59	13.445	
10,900.00	10,388.00	10,479.37	10,388.00	32.38	29.67	90.00	-192.02	1,265.52	755.97	707.47	48.50	15.588	
11,000.00	10,388.00	10,479.37	10,388.00	32.81	29.67	90.00	-192.02	1,265.52	847.63	799.95	47.68	17.779	
11,100.00	10,388.00	10,479.37	10,388.00	33.30	29.67	90.00	-192.02	1,265.52	940.99	893.94	47.05	20.002	

Altitude Energy Partners
Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB=30' @ 3717.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Treble State Com 504H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.48°



Altitude Energy Partners
Anticollision Report

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Treble State Com 504H
Project:	Lea Co., NM (NAD-83)	**TVD Reference:**	KB=30' @ 3717.00usft
Reference Site:	Treble East Pad	**MD Reference:**	KB=30' @ 3717.00usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Treble State Com 504H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	DM Local
Reference Design:	Plan 1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB=30' @ 3717.00usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Treble State Com 504H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.48°