

District I

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

District II

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

District III

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

District IV

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

Form C-101
August 1, 2011

Permit 340652

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

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

1. Operator Name and Address Franklin Mountain Energy 3, LLC 44 Cook Street Denver, CO 80206		2. OGRID Number 331595
		3. API Number 30-025-51511
4. Property Code 333786	5. Property Name TREBLE STATE COM	6. Well No. 704H

7. Surface Location

UL - Lot O	Section 34	Township 19S	Range 35E	Lot Idn O	Feet From 250	N/S Line S	Feet From 1525	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 27	Township 19S	Range 35E	Lot Idn A	Feet From 130	N/S Line N	Feet From 980	E/W Line E	County Lea
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9. Pool Information

KLEIN RANCH;WOLFCAMP	96989
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3687
16. Multiple N	17. Proposed Depth 21269	18. Formation Wolfcamp	19. Contractor	20. Spud Date 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	10500	529	3000
Prod	8.75	5.5	20	21269	2688	10500

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.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Rachael A Overbey	Approved By: Paul F Kautz	
Title: Project Manager	Title: Geologist	
Email Address: roverbey@fmlc.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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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 96989	³ Pool Name KLEIN RANCH;WOLFCAMP	
⁴ Property Code	⁵ Property Name TREBLE STATE COM			⁶ Well Number 704H
⁷ OGRID No. 331595	⁸ Operator Name FRANKLIN MOUNTAIN ENERGY 3, LLC			⁹ Elevation 3687.2'

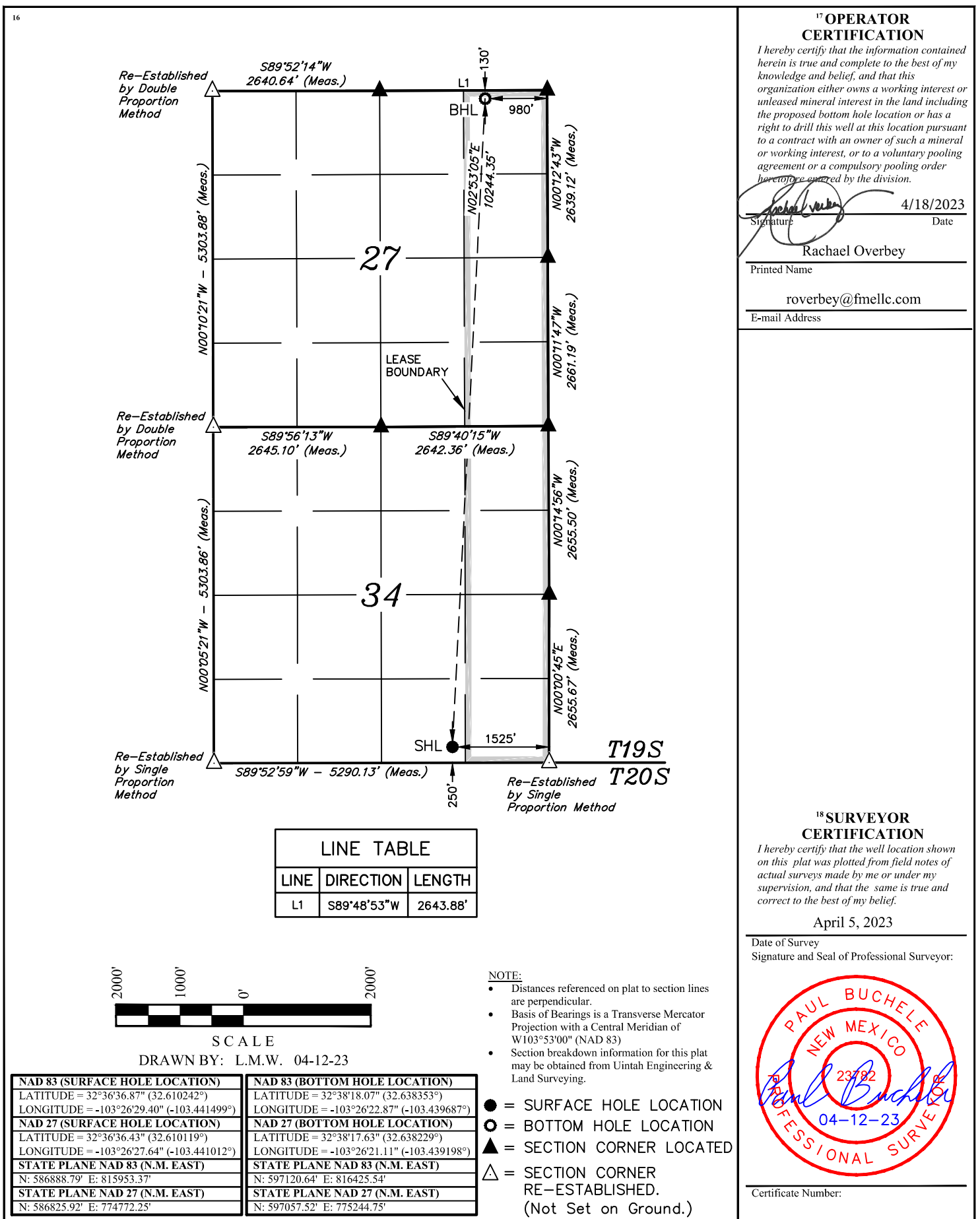
¹⁰Surface Location

UL or lot no. O	Section 34	Township 19S	Range 35E	Lot Idn	Feet from the 250	North/South line SOUTH	Feet from the 1525	East/West line EAST	County LEA
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"Bottom Hole Location If Different From Surface

UL or lot no. A	Section 27	Township 19S	Range 35E	Lot Idn	Feet from the 130	North/South line NORTH	Feet from the 980	East/West line EAST	County LEA
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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



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

Form APD Conditions

Permit 340652

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Franklin Mountain Energy 3, LLC [331595] 44 Cook Street Denver, CO 80206	API Number: 30-025-51511
	Well: TREBLE STATE COM #704H

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



Treble State Com 704H

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	1,902'	1,815'			Carbonates
Salado	1,644'	2,073'			Salt, Carbonate & Clastics
Base Salt	473'	3,244'			Shaley Carbonate & Shale
Yates	184'	3,533'			Anhydrite/shale
Seven Rivers	-356'	4,073'			Interbedded shale/carbonate
Queen	-949'	4,666'			Sandstone & dolomite & anhydrite
Delaware Mtn Group	-2,413'	6,130'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-4,245'	7,962'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,693'	9,410'			Sandstone - oil/gas/water
Second Bone Spring Carbonate	-5,972'	9,689'			Shale/Carbonates - oil/gas
Second Bone Spring Sand	-6,278'	9,995'			Sandstone - oil/gas/water
Third Bone Spring Carbonate	-6,841'	10,558'			Shale/Carbonates - oil/gas
Third Bone Spring Sand	-6,907'	10,624'			Sandstone - oil/gas/water
Wolfcamp	-7,005'	10,721'			Overpressure shale/sand- Oil/Gas
HZ Target	-7,313'	11,030'			Overpressure Shale - Oil/Gas
Wolfcamp B	-7,334'	11,050'			Overpressure Shale - Oil/Gas

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

Upper Permian Sands	0- 400'	Fresh Water
Delaware Sands	6,130'	Oil
1 st Bone Spring Sand	9,410'	Oil
2 nd Bone Spring Sand	9,995'	Oil
3 rd Bone Spring Sand	10,624'	Oil
Wolfcamp	10,721'	Oil
Wolfcamp B	11,050'	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
Surface 13 3/8"	54.5	J-55	2730	1130	853	BTC					
0-1,900'						909	1900	1.02	1.14	4.19	4.47
Intermediate 9 5/8"	40	HCL-80	7430	4230	916	BTC					
0-4,000'						1042	4000	2.08	2.26	3.52	4.01
Production 7"	32	HCP-110	12460	10760	1025	CDC-HTQ					
0-10,500'						1053	10500	1.90	2.19	2.35	2.42
Production 5 1/2"	20	HCP-110	12640	12200	641	CDC-HTQ					
10,500'-21,269'						667	10769	1.15	2.42	2.03	2.11
						TVD	11030				2.08



Tapered production string will be ran with a X-over installed at the KOP of 10,500'.

Cementing Program:

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

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

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

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Type of cmt	Lead Yield ft ³ /sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft ³ /sk	Water gal/sk	TOC	Excess
Surf	17.5	13.375	1900	1016	85:15 Compass Poz, 12.8 ppg Class C, 5%Gel, 3#/sk Kol Seal, 4.64#/sk Salt Lead, 11.3 ppg, HSLD 82	2.05	11.12	0	441	Tail, 14.8 ppg, 100% Class C, 1%CaCl ₂ , 0.1%	1.34	6.35	1500	100%
Int	12.25	9.625	4000	640	10% Gel, 4% STE, 2#/sk, Gyp Seal HSLD 9420,	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	0-10500	529	10.5 ppg, Class C, 1#/sk Salt, 4% STE 1% C-45	3.99	25.51	3000						100%
Prod	8.75	5.5	10500-21269						2688	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	10500	50%

Contingency plan:

If adverse drilling conditions are encountered the drilling will pivot to contingency plan to deepen Intermediate casing string and run 2-stage cement job on it.

4.a Contingency Casing Program

Casing string	Weight	Grade	Burst	Collapse	Tension	Conn	Length	API design factor			
								Burst	Collapse	Tension	Coupling
Surface 13 3/8" 0-1,900'	54.5	J-55	2730	1130	853	BTC 909	1900	1.02	1.14	4.19	4.47
Intermediate 9 5/8" 0-8,000'	40	HCL-80	7430	4230	916	BTC 1042	8000	1.31	1.13	2.18	2.48
Production 7" 0-10,500'	32	HCP-110	12460	10760	1025	CDC-HTQ 1053	10500	1.90	2.19	2.35	2.42
Production 5 1/2" 10,500'-21,269'	20	HCP-110	12640	12200	641	CDC-HTQ 667 TVD	10769 11030	1.15	2.42	2.03	2.11 2.08



Contingency Cementing Program:

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Type of cmt	Lead Yield ft ³ /sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft ³ /sk	Water gal/sk	TOC	Excess
Surf	17.5	13.375	1900	1016	85:15 Compass Poz, 12.8 ppg Class C, 5%Gel, 3#/sk Kol Seal, 4.64#/sk Salt	2.05	11.12	0	441	Tail, 14.8 ppg, 100% Class C, 1%CaCl ₂ , 0.1%	1.34	6.35	1500	100%
Int St 1	12.25	9.625	8000	823	Lead, 11.3 ppg, HSLD 82 10% Gel, 4%STE, 2#/sk, Gyp Seal	2.74	16.31	4000	188	Econolite Tail, 14.8 ppg, 100% Class C, 0.08% C-51	1.33	6.33	7600	100%
Int St 2	12.25	9.625	4000	732	Lead, 11.3 ppg, HSLD 82 10% Gel, 4%STE, 2#/sk, Gyp Seal	2.74	16.31	0						100%
Prod	8.75	7	0-10500	228	HSLD 9420, 10.5 ppg, Class C, 1#/sk Salt, 4% STE 1% C-45	3.99	25.51	7000						100%
Prod	8.75	5.5	10500-21269						2688	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	10500	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.

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' – 21,269' Lateral	Oil Base	9.0-11.0	58-68	3 - 6

Contingency mud system:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,900'	Fresh - Gel	8.6-8.8	28-34	N/c
1,900' – 8,000'	Brine	8.8-10.2	28-34	N/c
8,000' – 21,269' 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 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 11,030' TVD (deepest point of the well) is 165F with an estimated maximum bottom-hole pressure (BHP) at the same point of 6,882 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.
 - 2. Work/Escapes 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.

**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 1/2" production casing due to the tight clearance with 8 3/4" hole.

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

Submit Electronically
Via E-permitting

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

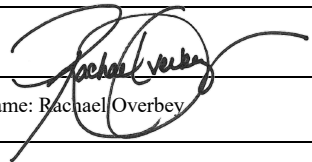
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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@fmelle.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
Treble State Com 704H	TBD	11/1/2023	3/30/2024	5/29/2024	6/8/2024	6/10/2024
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



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 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:*

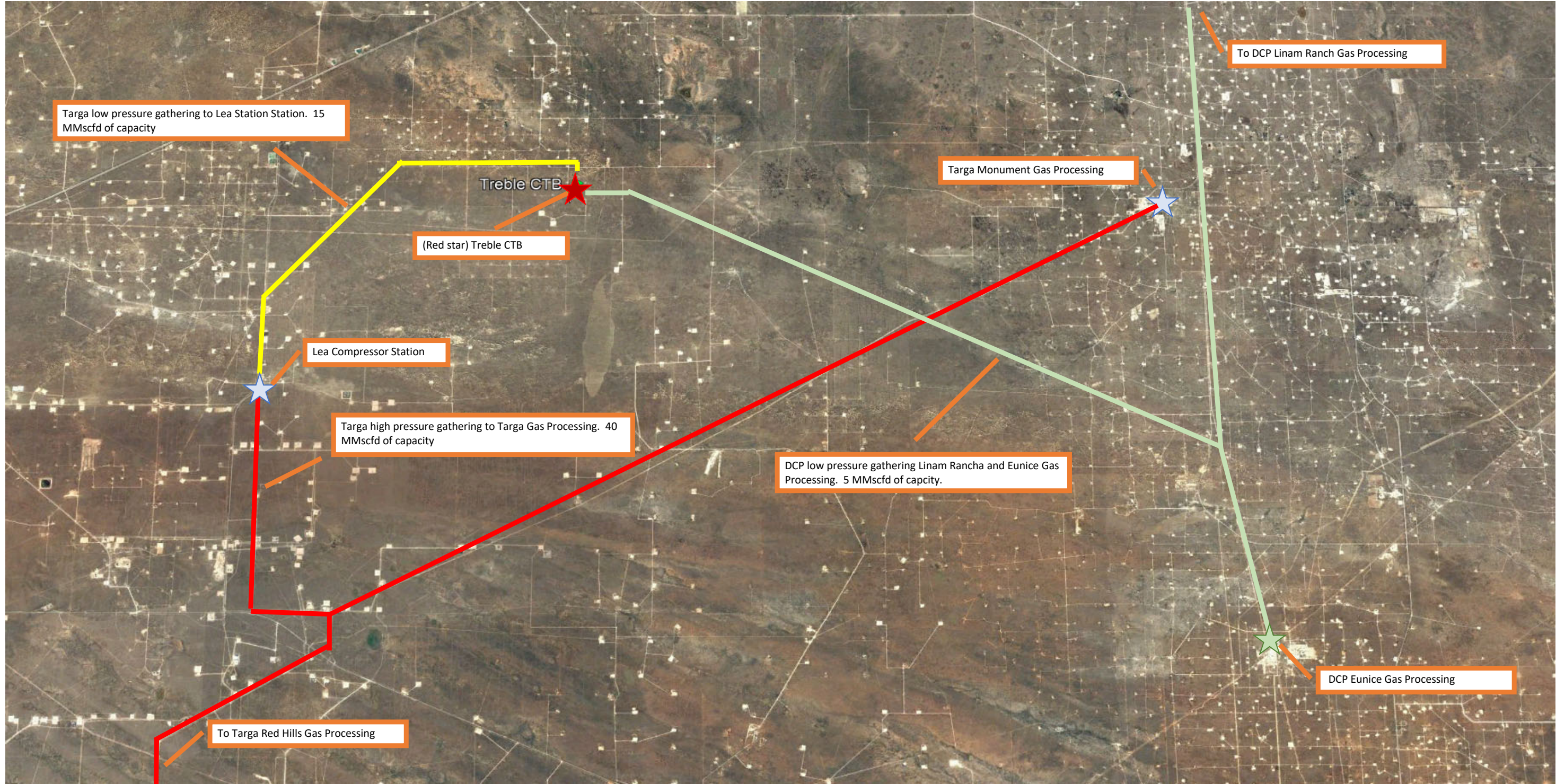


- All volume that is flared and vented that is not measured will be estimated.
- When metering is not practical due to low pressure/rate, all vented or flared volumes will be estimated.
- Measurement will conform to industry standards. Measurement will not be bypassed except for purposes of inspection 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 704H

OH

Plan: Plan 1

Standard Planning Report

16 May, 2023





Project: Lea Co., NM (NAD-83)
 Site: Treble East Pad
 Well: Treble State Com 704H
 Wellbore: OH
 Design: Plan 1
 Lat: 32.610242
 Long: -103.441499
 GL: 3687.00
 KB: KB=30' @ 3717.00usft



WELL DETAILS: Treble State Com 704H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	586888.79	815953.37	32.610242	-103.441499

WELLBORE TARGET DETAILS (LAT/LONG)

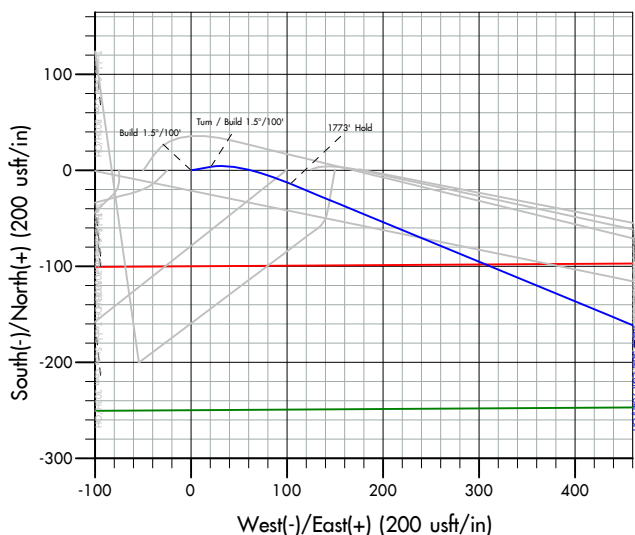
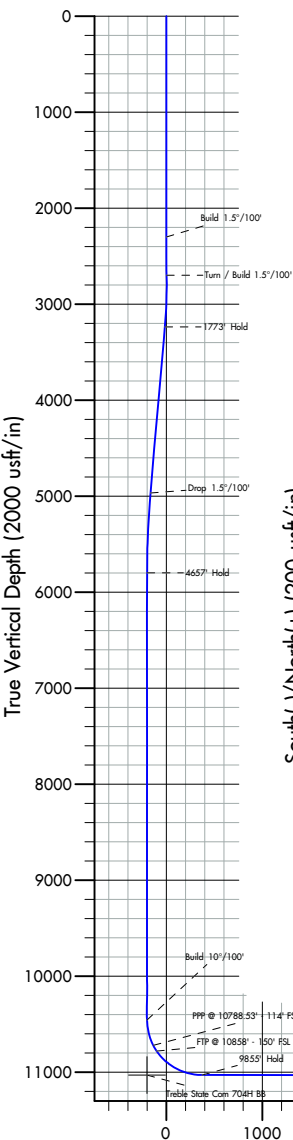
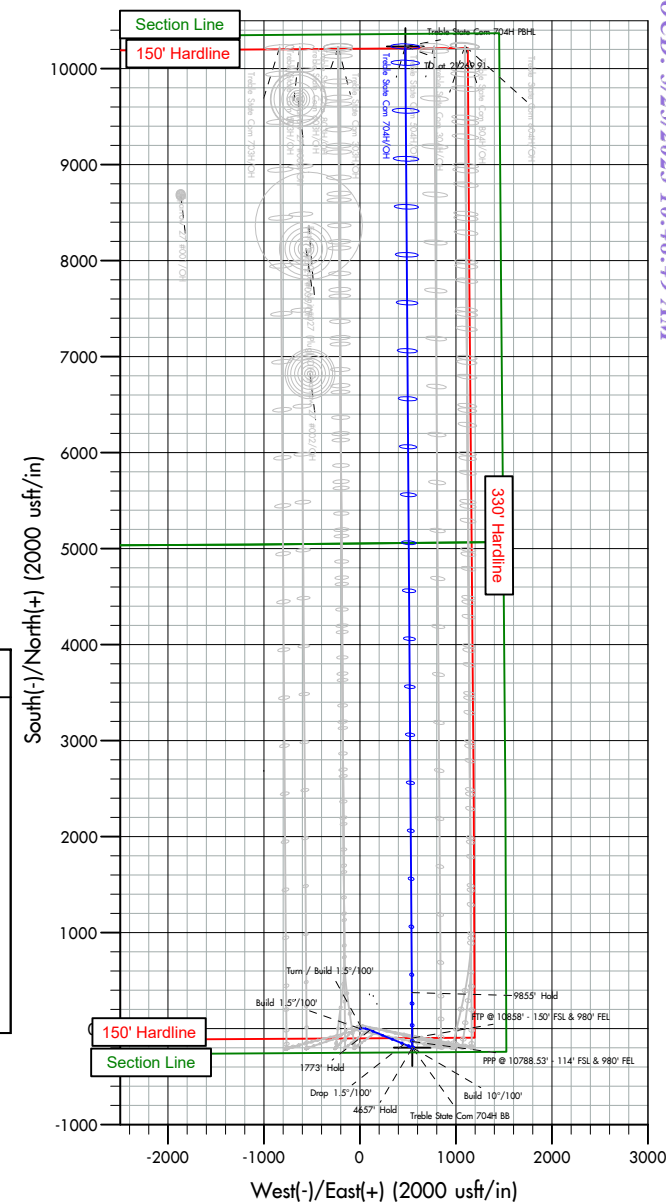
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Treble State Com 704H BB	11030.00	-196.54	545.55	586692.25	816498.92	Point
Treble State Com 704H PBHL	11030.00	10231.85	472.17	597120.64	816425.54	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	Build 1.5°/100'
2700.00	6.00	80.00	2699.27	3.63	20.61	1.50	80.00	3.49	Turn / Build 1.5°/100'
3244.48	12.58	112.43	3236.63	-14.08	103.59	1.50	55.32	-14.81	1773' Hold
5018.39	12.58	112.43	4967.94	-161.54	460.76	0.00	0.00	-164.75	Drop 1.5°/100'
5857.17	0.00	0.00	5800.00	-196.54	545.55	1.50	180.00	-200.34	4657' Hold
10514.22	0.00	0.00	10457.04	-196.54	545.55	0.00	0.00	-200.34	Build 10°/100'
11414.22	90.00	359.60	11030.00	376.40	541.52	10.00	359.60	372.61	9855' Hold
21269.91	90.00	359.60	11030.00	10231.85	472.17	0.00	0.00	10228.30	TD at 21269.91

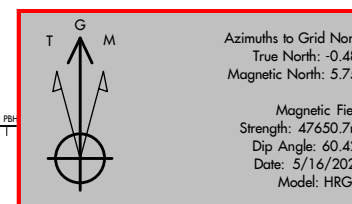
FORMATION TOPS

TVDPath	MDPath	Formation
30.00	30.00	Cenozoic Alluvium (surface)
1815.00	1815.00	Rustler
2073.00	2073.00	Salado
3244.00	3252.03	Base Salt
3533.00	3548.14	Yates
4073.00	4101.43	Seven Rivers
4666.00	4709.02	Queen
6130.00	6187.17	Delaware Mtn Group
7962.00	8019.17	Bone Spring Lime
9410.00	9467.17	First Bone Spring Sand
9689.00	9746.17	Second Bone Spring Carbonate
9995.00	10052.17	Second Bone Spring Sand
10558.00	10615.70	Third Bone Spring Carbonate
10624.00	10683.63	Third Bone Spring Sand
10721.00	10788.53	Wolfcamp
11030.00	11414.22	HZ Target



West(-)/East(+) (200 usft/in)

Vertical Section at 359.60° (2000 usft/in)



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

Magnetic Field
 Strength: 47650.7nT
 Dip Angle: 60.42°
 Date: 5/16/2023
 Model: HRGM

Plan: Plan 1 (Treble State Com 704H/OH)

Created By: Dusty Mayer Date: 19:35, May 16 2023



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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 704H					
Well Position	+N/-S	0.00 usft	Northing:	586,888.79 usft	Latitude:	32.610242
	+E/-W	0.00 usft	Easting:	815,953.37 usft	Longitude:	-103.441500
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	47,650.69638118

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	21,269.91	Plan 1 (OH)	MWD+HDGM	
				OWSG MWD + HRGM	



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

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	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	6.00	80.00	2,699.27	3.63	20.61	1.50	1.50	0.00	80.00	
3,244.48	12.58	112.43	3,236.63	-14.08	103.59	1.50	1.21	5.96	55.32	
5,018.39	12.58	112.43	4,967.94	-161.54	460.76	0.00	0.00	0.00	0.00	
5,857.17	0.00	0.00	5,800.00	-196.54	545.55	1.50	-1.50	0.00	180.00	
10,514.22	0.00	0.00	10,457.04	-196.54	545.55	0.00	0.00	0.00	0.00	
11,414.22	90.00	359.60	11,030.00	376.40	541.52	10.00	10.00	0.00	359.60	
21,269.91	90.00	359.60	11,030.00	10,231.85	472.17	0.00	0.00	0.00	0.00	Treble State Com 7



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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
1,815.00	0.00	0.00	1,815.00	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
2,073.00	0.00	0.00	2,073.00	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
Build 1.5°/100'									
2,400.00	1.50	80.00	2,399.99	0.23	1.29	0.22	1.50	1.50	0.00
2,500.00	3.00	80.00	2,499.91	0.91	5.16	0.87	1.50	1.50	0.00
2,600.00	4.50	80.00	2,599.69	2.04	11.60	1.96	1.50	1.50	0.00
2,700.00	6.00	80.00	2,699.27	3.63	20.61	3.49	1.50	1.50	0.00
Turn / Build 1.5°/100'									
2,800.00	6.96	90.23	2,798.63	4.52	31.82	4.29	1.50	0.96	10.23
2,900.00	8.09	97.81	2,897.77	3.54	44.85	3.22	1.50	1.13	7.58
3,000.00	9.32	103.47	2,996.62	0.69	59.70	0.28	1.50	1.23	5.66
3,100.00	10.62	107.79	3,095.11	-4.01	76.36	-4.54	1.50	1.30	4.32
3,200.00	11.97	111.16	3,193.17	-10.57	94.81	-11.23	1.50	1.35	3.37
3,244.48	12.58	112.43	3,236.63	-14.08	103.59	-14.81	1.50	1.37	2.85
1773' Hold									
3,252.03	12.58	112.43	3,244.00	-14.71	105.11	-15.45	0.00	0.00	0.00
Base Salt									
3,300.00	12.58	112.43	3,290.82	-18.70	114.77	-19.50	0.00	0.00	0.00
3,400.00	12.58	112.43	3,388.42	-27.01	134.90	-27.95	0.00	0.00	0.00
3,500.00	12.58	112.43	3,486.01	-35.32	155.04	-36.41	0.00	0.00	0.00
3,548.14	12.58	112.43	3,533.00	-39.33	164.73	-40.47	0.00	0.00	0.00
Yates									
3,600.00	12.58	112.43	3,583.61	-43.64	175.17	-44.86	0.00	0.00	0.00
3,700.00	12.58	112.43	3,681.21	-51.95	195.31	-53.31	0.00	0.00	0.00
3,800.00	12.58	112.43	3,778.81	-60.26	215.44	-61.76	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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)
3,900.00	12.58	112.43	3,876.41	-68.57	235.58	-70.22	0.00	0.00	0.00
4,000.00	12.58	112.43	3,974.01	-76.89	255.71	-78.67	0.00	0.00	0.00
4,100.00	12.58	112.43	4,071.61	-85.20	275.85	-87.12	0.00	0.00	0.00
4,101.43	12.58	112.43	4,073.00	-85.32	276.13	-87.24	0.00	0.00	0.00
Seven Rivers									
4,200.00	12.58	112.43	4,169.20	-93.51	295.98	-95.57	0.00	0.00	0.00
4,300.00	12.58	112.43	4,266.80	-101.82	316.12	-104.03	0.00	0.00	0.00
4,400.00	12.58	112.43	4,364.40	-110.14	336.25	-112.48	0.00	0.00	0.00
4,500.00	12.58	112.43	4,462.00	-118.45	356.39	-120.93	0.00	0.00	0.00
4,600.00	12.58	112.43	4,559.60	-126.76	376.52	-129.39	0.00	0.00	0.00
4,700.00	12.58	112.43	4,657.20	-135.07	396.66	-137.84	0.00	0.00	0.00
4,709.02	12.58	112.43	4,666.00	-135.82	398.47	-138.60	0.00	0.00	0.00
Queen									
4,800.00	12.58	112.43	4,754.80	-143.38	416.79	-146.29	0.00	0.00	0.00
4,900.00	12.58	112.43	4,852.39	-151.70	436.93	-154.74	0.00	0.00	0.00
5,000.00	12.58	112.43	4,949.99	-160.01	457.06	-163.20	0.00	0.00	0.00
5,018.39	12.58	112.43	4,967.94	-161.54	460.76	-164.75	0.00	0.00	0.00
Drop 1.5°/100'									
5,100.00	11.36	112.43	5,047.78	-168.00	476.41	-171.32	1.50	-1.50	0.00
5,200.00	9.86	112.43	5,146.06	-175.02	493.42	-178.46	1.50	-1.50	0.00
5,300.00	8.36	112.43	5,244.80	-181.06	508.05	-184.60	1.50	-1.50	0.00
5,400.00	6.86	112.43	5,343.92	-186.11	520.29	-189.74	1.50	-1.50	0.00
5,500.00	5.36	112.43	5,443.35	-190.17	530.13	-193.87	1.50	-1.50	0.00
5,600.00	3.86	112.43	5,543.02	-193.24	537.55	-196.99	1.50	-1.50	0.00
5,700.00	2.36	112.43	5,642.87	-195.31	542.56	-199.09	1.50	-1.50	0.00
5,800.00	0.86	112.43	5,742.83	-196.38	545.15	-200.18	1.50	-1.50	0.00
5,857.17	0.00	0.00	5,800.00	-196.54	545.55	-200.34	1.50	-1.50	-196.66
4657' Hold									
5,900.00	0.00	0.00	5,842.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,000.00	0.00	0.00	5,942.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,100.00	0.00	0.00	6,042.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,187.17	0.00	0.00	6,130.00	-196.54	545.55	-200.34	0.00	0.00	0.00
Delaware Mtn Group									
6,200.00	0.00	0.00	6,142.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,300.00	0.00	0.00	6,242.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,400.00	0.00	0.00	6,342.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,500.00	0.00	0.00	6,442.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,600.00	0.00	0.00	6,542.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,700.00	0.00	0.00	6,642.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,800.00	0.00	0.00	6,742.83	-196.54	545.55	-200.34	0.00	0.00	0.00
6,900.00	0.00	0.00	6,842.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,000.00	0.00	0.00	6,942.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,100.00	0.00	0.00	7,042.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,200.00	0.00	0.00	7,142.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,300.00	0.00	0.00	7,242.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,400.00	0.00	0.00	7,342.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,500.00	0.00	0.00	7,442.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,600.00	0.00	0.00	7,542.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,700.00	0.00	0.00	7,642.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,800.00	0.00	0.00	7,742.83	-196.54	545.55	-200.34	0.00	0.00	0.00
7,900.00	0.00	0.00	7,842.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,000.00	0.00	0.00	7,942.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,019.17	0.00	0.00	7,962.00	-196.54	545.55	-200.34	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



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Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30' @ 3717.00usft
Site:	Treble East Pad	North Reference:	Grid
Well:	Treble State Com 704H	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)
Bone Spring Lime									
8,100.00	0.00	0.00	8,042.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,200.00	0.00	0.00	8,142.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,300.00	0.00	0.00	8,242.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,400.00	0.00	0.00	8,342.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,500.00	0.00	0.00	8,442.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,600.00	0.00	0.00	8,542.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,700.00	0.00	0.00	8,642.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,800.00	0.00	0.00	8,742.83	-196.54	545.55	-200.34	0.00	0.00	0.00
8,900.00	0.00	0.00	8,842.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,000.00	0.00	0.00	8,942.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,100.00	0.00	0.00	9,042.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,200.00	0.00	0.00	9,142.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,300.00	0.00	0.00	9,242.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,400.00	0.00	0.00	9,342.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,467.17	0.00	0.00	9,410.00	-196.54	545.55	-200.34	0.00	0.00	0.00
First Bone Spring Sand									
9,500.00	0.00	0.00	9,442.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,600.00	0.00	0.00	9,542.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,700.00	0.00	0.00	9,642.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,746.17	0.00	0.00	9,689.00	-196.54	545.55	-200.34	0.00	0.00	0.00
Second Bone Spring Carbonate									
9,800.00	0.00	0.00	9,742.83	-196.54	545.55	-200.34	0.00	0.00	0.00
9,900.00	0.00	0.00	9,842.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,000.00	0.00	0.00	9,942.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,052.17	0.00	0.00	9,995.00	-196.54	545.55	-200.34	0.00	0.00	0.00
Second Bone Spring Sand									
10,100.00	0.00	0.00	10,042.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,200.00	0.00	0.00	10,142.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,300.00	0.00	0.00	10,242.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,400.00	0.00	0.00	10,342.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,500.00	0.00	0.00	10,442.83	-196.54	545.55	-200.34	0.00	0.00	0.00
10,514.22	0.00	0.00	10,457.05	-196.54	545.55	-200.34	0.00	0.00	0.00
Build 10°/100'									
10,550.00	3.58	359.60	10,492.80	-195.42	545.54	-199.23	10.00	10.00	0.00
10,600.00	8.58	359.60	10,542.51	-190.13	545.50	-193.93	10.00	10.00	0.00
10,615.70	10.15	359.60	10,558.00	-187.58	545.49	-191.38	10.00	10.00	0.00
Third Bone Spring Carbonate									
10,650.00	13.58	359.60	10,591.56	-180.53	545.44	-184.33	10.00	10.00	0.00
10,683.63	16.94	359.60	10,624.00	-171.68	545.38	-175.48	10.00	10.00	0.00
Third Bone Spring Sand									
10,700.00	18.58	359.60	10,639.59	-166.68	545.34	-170.49	10.00	10.00	0.00
10,750.00	23.58	359.60	10,686.23	-148.71	545.21	-152.51	10.00	10.00	0.00
10,788.53	27.43	359.60	10,721.00	-132.12	545.10	-135.92	10.00	10.00	0.00
PPP @ 10788.53' - 114' FSL & 980' FEL - Wolfcamp									
10,800.00	28.58	359.60	10,731.12	-126.73	545.06	-130.54	10.00	10.00	0.00
10,850.00	33.58	359.60	10,773.93	-100.93	544.88	-104.73	10.00	10.00	0.00
10,857.98	34.38	359.60	10,780.55	-96.47	544.85	-100.27	10.00	10.00	0.00
FTP @ 10858' - 150' FSL & 980' FEL									
10,900.00	38.58	359.60	10,814.33	-71.50	544.67	-75.30	10.00	10.00	0.00
10,950.00	43.58	359.60	10,852.01	-38.65	544.44	-42.45	10.00	10.00	0.00
11,000.00	48.58	359.60	10,886.68	-2.65	544.19	-6.45	10.00	10.00	0.00
11,050.00	53.58	359.60	10,918.08	36.23	543.91	32.44	10.00	10.00	0.00



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Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30' @ 3717.00usft
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Well:	Treble State Com 704H	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)
11,100.00	58.58	359.60	10,945.98	77.71	543.62	73.91	10.00	10.00	0.00
11,150.00	63.58	359.60	10,970.15	121.46	543.31	117.66	10.00	10.00	0.00
11,200.00	68.58	359.60	10,990.42	167.15	542.99	163.35	10.00	10.00	0.00
11,250.00	73.58	359.60	11,006.63	214.43	542.66	210.64	10.00	10.00	0.00
11,300.00	78.58	359.60	11,018.65	262.95	542.32	259.15	10.00	10.00	0.00
11,350.00	83.58	359.60	11,026.41	312.32	541.97	308.53	10.00	10.00	0.00
11,400.00	88.58	359.60	11,029.82	362.19	541.62	358.40	10.00	10.00	0.00
11,414.22	90.00	359.60	11,030.00	376.40	541.52	372.61	10.00	10.00	0.00
9855' Hold - HZ Target									
11,500.00	90.00	359.60	11,030.00	462.19	540.91	458.40	0.00	0.00	0.00
11,600.00	90.00	359.60	11,030.00	562.18	540.21	558.40	0.00	0.00	0.00
11,700.00	90.00	359.60	11,030.00	662.18	539.51	658.40	0.00	0.00	0.00
11,800.00	90.00	359.60	11,030.00	762.18	538.80	758.40	0.00	0.00	0.00
11,900.00	90.00	359.60	11,030.00	862.18	538.10	858.40	0.00	0.00	0.00
12,000.00	90.00	359.60	11,030.00	962.17	537.40	958.40	0.00	0.00	0.00
12,100.00	90.00	359.60	11,030.00	1,062.17	536.69	1,058.40	0.00	0.00	0.00
12,200.00	90.00	359.60	11,030.00	1,162.17	535.99	1,158.40	0.00	0.00	0.00
12,300.00	90.00	359.60	11,030.00	1,262.17	535.29	1,258.40	0.00	0.00	0.00
12,400.00	90.00	359.60	11,030.00	1,362.16	534.58	1,358.40	0.00	0.00	0.00
12,500.00	90.00	359.60	11,030.00	1,462.16	533.88	1,458.40	0.00	0.00	0.00
12,600.00	90.00	359.60	11,030.00	1,562.16	533.17	1,558.40	0.00	0.00	0.00
12,700.00	90.00	359.60	11,030.00	1,662.16	532.47	1,658.40	0.00	0.00	0.00
12,800.00	90.00	359.60	11,030.00	1,762.15	531.77	1,758.40	0.00	0.00	0.00
12,900.00	90.00	359.60	11,030.00	1,862.15	531.06	1,858.40	0.00	0.00	0.00
13,000.00	90.00	359.60	11,030.00	1,962.15	530.36	1,958.40	0.00	0.00	0.00
13,100.00	90.00	359.60	11,030.00	2,062.15	529.66	2,058.40	0.00	0.00	0.00
13,200.00	90.00	359.60	11,030.00	2,162.14	528.95	2,158.40	0.00	0.00	0.00
13,300.00	90.00	359.60	11,030.00	2,262.14	528.25	2,258.40	0.00	0.00	0.00
13,400.00	90.00	359.60	11,030.00	2,362.14	527.55	2,358.40	0.00	0.00	0.00
13,500.00	90.00	359.60	11,030.00	2,462.14	526.84	2,458.40	0.00	0.00	0.00
13,600.00	90.00	359.60	11,030.00	2,562.13	526.14	2,558.40	0.00	0.00	0.00
13,700.00	90.00	359.60	11,030.00	2,662.13	525.43	2,658.40	0.00	0.00	0.00
13,800.00	90.00	359.60	11,030.00	2,762.13	524.73	2,758.40	0.00	0.00	0.00
13,900.00	90.00	359.60	11,030.00	2,862.13	524.03	2,858.40	0.00	0.00	0.00
14,000.00	90.00	359.60	11,030.00	2,962.12	523.32	2,958.40	0.00	0.00	0.00
14,100.00	90.00	359.60	11,030.00	3,062.12	522.62	3,058.40	0.00	0.00	0.00
14,200.00	90.00	359.60	11,030.00	3,162.12	521.92	3,158.40	0.00	0.00	0.00
14,300.00	90.00	359.60	11,030.00	3,262.12	521.21	3,258.40	0.00	0.00	0.00
14,400.00	90.00	359.60	11,030.00	3,362.11	520.51	3,358.40	0.00	0.00	0.00
14,500.00	90.00	359.60	11,030.00	3,462.11	519.81	3,458.40	0.00	0.00	0.00
14,600.00	90.00	359.60	11,030.00	3,562.11	519.10	3,558.40	0.00	0.00	0.00
14,700.00	90.00	359.60	11,030.00	3,662.11	518.40	3,658.40	0.00	0.00	0.00
14,800.00	90.00	359.60	11,030.00	3,762.10	517.69	3,758.40	0.00	0.00	0.00
14,900.00	90.00	359.60	11,030.00	3,862.10	516.99	3,858.40	0.00	0.00	0.00
15,000.00	90.00	359.60	11,030.00	3,962.10	516.29	3,958.40	0.00	0.00	0.00
15,100.00	90.00	359.60	11,030.00	4,062.10	515.58	4,058.40	0.00	0.00	0.00
15,200.00	90.00	359.60	11,030.00	4,162.09	514.88	4,158.40	0.00	0.00	0.00
15,300.00	90.00	359.60	11,030.00	4,262.09	514.18	4,258.40	0.00	0.00	0.00
15,400.00	90.00	359.60	11,030.00	4,362.09	513.47	4,358.40	0.00	0.00	0.00
15,500.00	90.00	359.60	11,030.00	4,462.09	512.77	4,458.40	0.00	0.00	0.00
15,600.00	90.00	359.60	11,030.00	4,562.08	512.07	4,558.40	0.00	0.00	0.00
15,700.00	90.00	359.60	11,030.00	4,662.08	511.36	4,658.40	0.00	0.00	0.00
15,800.00	90.00	359.60	11,030.00	4,762.08	510.66	4,758.40	0.00	0.00	0.00
15,900.00	90.00	359.60	11,030.00	4,862.08	509.95	4,858.40	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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)
16,000.00	90.00	359.60	11,030.00	4,962.07	509.25	4,958.40	0.00	0.00	0.00
16,100.00	90.00	359.60	11,030.00	5,062.07	508.55	5,058.40	0.00	0.00	0.00
16,200.00	90.00	359.60	11,030.00	5,162.07	507.84	5,158.40	0.00	0.00	0.00
16,300.00	90.00	359.60	11,030.00	5,262.07	507.14	5,258.40	0.00	0.00	0.00
16,400.00	90.00	359.60	11,030.00	5,362.06	506.44	5,358.40	0.00	0.00	0.00
16,500.00	90.00	359.60	11,030.00	5,462.06	505.73	5,458.40	0.00	0.00	0.00
16,600.00	90.00	359.60	11,030.00	5,562.06	505.03	5,558.40	0.00	0.00	0.00
16,700.00	90.00	359.60	11,030.00	5,662.06	504.33	5,658.40	0.00	0.00	0.00
16,800.00	90.00	359.60	11,030.00	5,762.05	503.62	5,758.40	0.00	0.00	0.00
16,900.00	90.00	359.60	11,030.00	5,862.05	502.92	5,858.40	0.00	0.00	0.00
17,000.00	90.00	359.60	11,030.00	5,962.05	502.21	5,958.40	0.00	0.00	0.00
17,100.00	90.00	359.60	11,030.00	6,062.05	501.51	6,058.40	0.00	0.00	0.00
17,200.00	90.00	359.60	11,030.00	6,162.05	500.81	6,158.40	0.00	0.00	0.00
17,300.00	90.00	359.60	11,030.00	6,262.04	500.10	6,258.40	0.00	0.00	0.00
17,400.00	90.00	359.60	11,030.00	6,362.04	499.40	6,358.40	0.00	0.00	0.00
17,500.00	90.00	359.60	11,030.00	6,462.04	498.70	6,458.40	0.00	0.00	0.00
17,600.00	90.00	359.60	11,030.00	6,562.04	497.99	6,558.40	0.00	0.00	0.00
17,700.00	90.00	359.60	11,030.00	6,662.03	497.29	6,658.40	0.00	0.00	0.00
17,800.00	90.00	359.60	11,030.00	6,762.03	496.59	6,758.40	0.00	0.00	0.00
17,900.00	90.00	359.60	11,030.00	6,862.03	495.88	6,858.40	0.00	0.00	0.00
18,000.00	90.00	359.60	11,030.00	6,962.03	495.18	6,958.40	0.00	0.00	0.00
18,100.00	90.00	359.60	11,030.00	7,062.02	494.47	7,058.40	0.00	0.00	0.00
18,200.00	90.00	359.60	11,030.00	7,162.02	493.77	7,158.40	0.00	0.00	0.00
18,300.00	90.00	359.60	11,030.00	7,262.02	493.07	7,258.40	0.00	0.00	0.00
18,400.00	90.00	359.60	11,030.00	7,362.02	492.36	7,358.40	0.00	0.00	0.00
18,500.00	90.00	359.60	11,030.00	7,462.01	491.66	7,458.40	0.00	0.00	0.00
18,600.00	90.00	359.60	11,030.00	7,562.01	490.96	7,558.40	0.00	0.00	0.00
18,700.00	90.00	359.60	11,030.00	7,662.01	490.25	7,658.40	0.00	0.00	0.00
18,800.00	90.00	359.60	11,030.00	7,762.01	489.55	7,758.40	0.00	0.00	0.00
18,900.00	90.00	359.60	11,030.00	7,862.00	488.85	7,858.40	0.00	0.00	0.00
19,000.00	90.00	359.60	11,030.00	7,962.00	488.14	7,958.40	0.00	0.00	0.00
19,100.00	90.00	359.60	11,030.00	8,062.00	487.44	8,058.40	0.00	0.00	0.00
19,200.00	90.00	359.60	11,030.00	8,162.00	486.73	8,158.40	0.00	0.00	0.00
19,300.00	90.00	359.60	11,030.00	8,261.99	486.03	8,258.40	0.00	0.00	0.00
19,400.00	90.00	359.60	11,030.00	8,361.99	485.33	8,358.40	0.00	0.00	0.00
19,500.00	90.00	359.60	11,030.00	8,461.99	484.62	8,458.40	0.00	0.00	0.00
19,600.00	90.00	359.60	11,030.00	8,561.99	483.92	8,558.40	0.00	0.00	0.00
19,700.00	90.00	359.60	11,030.00	8,661.98	483.22	8,658.40	0.00	0.00	0.00
19,800.00	90.00	359.60	11,030.00	8,761.98	482.51	8,758.40	0.00	0.00	0.00
19,900.00	90.00	359.60	11,030.00	8,861.98	481.81	8,858.40	0.00	0.00	0.00
20,000.00	90.00	359.60	11,030.00	8,961.98	481.11	8,958.40	0.00	0.00	0.00
20,100.00	90.00	359.60	11,030.00	9,061.97	480.40	9,058.40	0.00	0.00	0.00
20,200.00	90.00	359.60	11,030.00	9,161.97	479.70	9,158.40	0.00	0.00	0.00
20,300.00	90.00	359.60	11,030.00	9,261.97	478.99	9,258.40	0.00	0.00	0.00
20,400.00	90.00	359.60	11,030.00	9,361.97	478.29	9,358.40	0.00	0.00	0.00
20,500.00	90.00	359.60	11,030.00	9,461.96	477.59	9,458.40	0.00	0.00	0.00
20,600.00	90.00	359.60	11,030.00	9,561.96	476.88	9,558.40	0.00	0.00	0.00
20,700.00	90.00	359.60	11,030.00	9,661.96	476.18	9,658.40	0.00	0.00	0.00
20,800.00	90.00	359.60	11,030.00	9,761.96	475.48	9,758.40	0.00	0.00	0.00
20,900.00	90.00	359.60	11,030.00	9,861.95	474.77	9,858.40	0.00	0.00	0.00
21,000.00	90.00	359.60	11,030.00	9,961.95	474.07	9,958.40	0.00	0.00	0.00
21,100.00	90.00	359.60	11,030.00	10,061.95	473.37	10,058.40	0.00	0.00	0.00
21,200.00	90.00	359.60	11,030.00	10,161.95	472.66	10,158.40	0.00	0.00	0.00
21,269.91	90.00	359.60	11,030.00	10,231.85	472.17	10,228.30	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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)
TD at 21269.91									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Treble State Com 704	0.00	0.00	11,030.00	10,231.85	472.17	597,120.64	816,425.54	32.638353	-103.439687
- plan hits target center									
- Point									
Treble State Com 704	0.00	0.00	11,030.00	-196.54	545.55	586,692.25	816,498.92	32.609690	-103.439733
- plan misses target center by 237.39usft at 10959.74usft MD (10859.01 TVD, -31.88 N, 544.39 E)									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
30.00	30.00	Cenozoic Alluvium (surface)				
1,815.00	1,815.00	Rustler				
2,073.00	2,073.00	Salado				
3,252.03	3,244.00	Base Salt				
3,548.14	3,533.00	Yates				
4,101.43	4,073.00	Seven Rivers				
4,709.02	4,666.00	Queen				
6,187.17	6,130.00	Delaware Mtn Group				
8,019.17	7,962.00	Bone Spring Lime				
9,467.17	9,410.00	First Bone Spring Sand				
9,746.17	9,689.00	Second Bone Spring Carbonate				
10,052.17	9,995.00	Second Bone Spring Sand				
10,615.70	10,558.00	Third Bone Spring Carbonate				
10,683.63	10,624.00	Third Bone Spring Sand				
10,788.53	10,721.00	Wolfcamp				
11,414.22	11,030.00	HZ Target				



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,300.00	2,300.00	0.00	0.00	Build 1.5°/100'
2,700.00	2,699.27	3.63	20.61	Turn / Build 1.5°/100'
3,244.48	3,236.63	-14.08	103.59	1773' Hold
5,018.39	4,967.94	-161.54	460.76	Drop 1.5°/100'
5,857.17	5,800.00	-196.54	545.55	4657' Hold
10,514.22	10,457.05	-196.54	545.55	Build 10°/100'
10,788.53	10,721.00	-132.12	545.10	PPP @ 10788.53' - 114' FSL & 980' FEL
10,857.98	10,780.55	-96.47	544.85	FTP @ 10858' - 150' FSL & 980' FEL
11,414.22	11,030.00	376.41	541.52	9855' Hold
21,269.91	11,030.00	10,231.85	472.17	TD at 21269.91



Franklin Mountain Energy

Lea Co., NM (NAD-83)
Treble East Pad
Treble State Com 704H

OH
Plan 1

Anticollision Report

16 May, 2023





Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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	21,269.91	Plan 1 (OH)	MWD+HDGM	OWSG MWD + HRGM	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
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	2,884.10	2,882.81	43.11	29.61	3.195	CC, ES
Treble State Com 303H - OH - Plan 1	2,900.00	2,898.36	43.21	29.62	3.181	SF
Treble State Com 304H - OH - Plan 1	3,848.24	3,828.45	81.75	63.24	4.418	CC
Treble State Com 304H - OH - Plan 1	4,000.00	3,980.02	82.10	62.96	4.290	ES
Treble State Com 304H - OH - Plan 1	4,300.00	4,279.64	84.84	64.62	4.196	SF
Treble State Com 503H - OH - Plan 1	2,000.00	2,000.00	124.98	113.86	11.240	CC, ES
Treble State Com 503H - OH - Plan 1	2,200.00	2,195.28	128.67	116.97	10.997	SF
Treble State Com 504H - OH - Plan 1	7,612.98	7,607.26	62.15	32.86	2.122	CC, ES
Treble State Com 504H - OH - Plan 1	7,700.00	7,693.22	63.61	33.55	2.116	SF
Treble State Com 603H - OH - Plan 1	2,000.00	2,000.00	74.99	63.87	6.744	CC
Treble State Com 603H - OH - Plan 1	2,200.00	2,199.79	75.21	63.55	6.452	ES
Treble State Com 603H - OH - Plan 1	21,269.91	20,859.96	790.74	515.59	2.874	SF
Treble State Com 604H - OH - Plan 1	2,400.00	2,401.67	42.62	30.29	3.458	CC
Treble State Com 604H - OH - Plan 1	3,070.04	3,078.82	43.61	29.27	3.041	ES
Treble State Com 604H - OH - Plan 1	21,269.91	20,944.40	727.63	444.30	2.568	SF
Treble State Com 703H - OH - Plan 1	2,300.00	2,300.00	25.00	12.98	2.080	CC, ES, SF
Treble State Com 803H - OH - Plan 1	3,309.92	3,300.79	58.40	42.99	3.791	CC, ES
Treble State Com 803H - OH - Plan 1	21,269.91	21,828.09	920.57	665.10	3.603	SF
Treble State Com 804H - OH - Plan 1	2,000.00	2,000.00	174.97	163.85	15.736	CC, ES
Treble State Com 804H - OH - Plan 1	21,269.91	21,893.58	855.11	618.33	3.611	SF

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	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:	Distance	Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation Factor		

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 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft			
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	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	2,102.08	2,102.07	5.71	5.73	90.13	-0.22	98.91	98.93	87.50	11.43	8.655				
2,200.00	2,200.00	2,204.02	2,203.92	5.86	5.90	91.65	-2.75	95.71	95.83	84.11	11.72	8.177				
2,300.00	2,300.00	2,305.66	2,305.34	6.01	6.08	94.40	-6.96	90.40	90.82	78.82	12.00	7.567				
2,400.00	2,399.99	2,405.72	2,405.01	6.18	6.19	18.73	-12.36	83.58	83.40	71.16	12.24	6.816				
2,500.00	2,499.91	2,504.94	2,503.85	6.35	6.38	24.75	-17.80	76.71	74.07	61.55	12.52	5.916				
2,600.00	2,599.69	2,603.83	2,602.35	6.53	6.58	33.63	-23.22	69.87	63.57	50.79	12.78	4.974				
2,700.00	2,699.27	2,702.31	2,700.44	6.74	6.80	47.48	-28.62	63.06	53.33	40.34	12.98	4.107				
2,800.00	2,798.63	2,800.46	2,798.21	6.93	7.03	57.51	-34.00	56.26	45.63	32.46	13.17	3.465				
2,884.10	2,882.03	2,882.81	2,880.25	7.11	7.24	72.52	-38.52	50.56	43.11	29.61	13.49	3.195 CC, ES				
2,900.00	2,897.77	2,898.36	2,895.73	7.15	7.28	75.79	-39.37	49.49	43.21	29.62	13.58	3.181 SF				
3,000.00	2,996.62	2,995.95	2,992.94	7.38	7.53	96.22	-44.72	42.74	48.62	34.29	14.33	3.393				
3,100.00	3,095.11	3,093.16	3,089.77	7.64	7.80	112.23	-50.05	36.01	61.45	46.36	15.09	4.073				
3,200.00	3,193.17	3,189.92	3,186.15	7.91	8.07	123.00	-55.36	29.31	79.65	63.93	15.72	5.066				
3,244.48	3,236.63	3,232.80	3,228.86	8.01	8.19	126.55	-57.71	26.35	89.05	73.10	15.95	5.582				
3,300.00	3,290.82	3,286.25	3,282.11	8.14	8.35	131.58	-60.64	22.65	101.59	85.37	16.22	6.262				
3,400.00	3,388.42	3,382.53	3,378.01	8.44	8.64	138.06	-65.92	15.98	125.55	108.81	16.74	7.498				
3,500.00	3,486.01	3,478.81	3,473.92	8.75	8.93	142.45	-71.19	9.32	150.55	133.28	17.27	8.719				
3,600.00	3,583.61	3,575.09	3,569.82	9.08	9.23	145.59	-76.47	2.66	176.15	158.35	17.80	9.894				
3,700.00	3,681.21	3,671.37	3,665.72	9.42	9.53	147.93	-81.75	-4.00	202.12	183.77	18.35	11.012				
3,800.00	3,778.81	3,767.65	3,761.63	9.78	9.84	149.74	-87.03	-10.67	228.34	209.42	18.92	12.069				
3,900.00	3,876.41	3,863.93	3,857.53	10.14	10.15	151.17	-92.31	-17.33	254.72	235.22	19.50	13.063				
4,000.00	3,974.01	3,960.21	3,953.44	10.51	10.47	152.34	-97.59	-23.99	281.22	261.13	20.09	13.997				
4,100.00	4,071.61	4,056.49	4,049.34	10.89	10.79	153.31	-102.87	-30.66	307.82	287.12	20.70	14.873				
4,200.00	4,169.20	4,152.77	4,145.24	11.28	11.12	154.12	-108.14	-37.32	334.48	313.17	21.31	15.695				
4,300.00	4,266.80	4,249.05	4,241.15	11.68	11.44	154.81	-113.42	-43.98	361.20	339.26	21.93	16.467				
4,400.00	4,364.40	4,345.33	4,337.05	12.08	11.77	155.41	-118.70	-50.64	387.96	365.39	22.57	17.191				
4,500.00	4,462.00	4,441.61	4,432.96	12.49	12.11	155.93	-123.98	-57.31	414.75	391.54	23.21	17.871				
4,600.00	4,559.60	4,537.89	4,528.86	12.90	12.44	156.39	-129.26	-63.97	441.57	417.71	23.86	18.510				
4,700.00	4,657.20	4,634.17	4,624.76	13.32	12.78	156.79	-134.54	-70.63	468.41	443.90	24.51	19.111				
4,800.00	4,754.80	4,730.45	4,720.67	13.74	13.12	157.15	-139.82	-77.29	495.28	470.10	25.17	19.676				
4,900.00	4,852.39	4,826.73	4,816.57	14.16	13.46	157.48	-145.09	-83.96	522.16	496.32	25.84	20.210				

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: Reference		0-MWD+HDGM Offset						Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,949.99	4,923.01	4,912.48	14.59	13.80	157.77	-150.37	-90.62	549.05	522.54	26.51	20.713	
5,018.39	4,967.94	4,940.71	4,930.11	14.66	13.87	157.82	-151.34	-91.84	553.99	527.37	26.63	20.807	
5,100.00	5,047.78	5,019.51	5,008.60	15.02	14.15	158.12	-155.66	-97.30	575.17	548.00	27.18	21.164	
5,200.00	5,146.06	5,116.62	5,105.33	15.45	14.50	158.38	-160.99	-104.02	598.99	571.13	27.86	21.500	
5,300.00	5,244.80	5,214.29	5,202.62	15.87	14.85	158.51	-166.34	-110.78	620.44	591.90	28.54	21.739	
5,400.00	5,343.92	5,312.45	5,300.40	16.28	15.21	158.55	-171.72	-117.57	639.51	610.29	29.21	21.890	
5,500.00	5,443.35	5,411.04	5,398.59	16.67	15.57	158.49	-177.13	-124.39	656.17	626.30	29.88	21.961	
5,600.00	5,543.02	5,509.97	5,497.15	17.04	15.93	158.34	-182.55	-131.24	670.44	639.92	30.53	21.961	
5,700.00	5,642.87	5,609.20	5,595.99	17.38	16.29	158.11	-187.99	-138.10	682.32	651.16	31.15	21.901	
5,800.00	5,742.83	5,714.00	5,700.39	17.67	16.66	157.77	-193.62	-145.21	691.67	659.91	31.76	21.776	
5,857.17	5,800.00	5,780.47	5,766.70	17.74	16.90	-90.00	-196.50	-148.84	695.19	663.12	32.08	21.673	
5,900.00	5,842.83	5,830.37	5,816.52	17.75	17.07	-90.14	-198.19	-150.98	697.03	664.77	32.26	21.610	
6,000.00	5,942.83	5,947.10	5,933.19	17.80	17.42	-90.33	-200.57	-153.98	699.60	666.96	32.64	21.433	
6,100.00	6,042.83	6,056.74	6,042.83	17.84	17.58	-90.36	-200.93	-154.43	700.00	667.15	32.85	21.307	
6,200.00	6,142.83	6,156.74	6,142.83	17.89	17.62	-90.36	-200.93	-154.43	700.00	667.05	32.95	21.246	
6,300.00	6,242.83	6,256.74	6,242.83	17.94	17.67	-90.36	-200.93	-154.43	700.00	666.96	33.04	21.186	
6,400.00	6,342.83	6,356.74	6,342.83	17.98	17.71	-90.36	-200.93	-154.43	700.00	666.86	33.13	21.126	
6,500.00	6,442.83	6,456.74	6,442.83	18.03	17.75	-90.36	-200.93	-154.43	700.00	666.77	33.23	21.066	
6,600.00	6,542.83	6,556.74	6,542.83	18.08	17.79	-90.36	-200.93	-154.43	700.00	666.68	33.32	21.007	
6,700.00	6,642.83	6,656.74	6,642.83	18.13	17.83	-90.36	-200.93	-154.43	700.00	666.58	33.42	20.947	
6,800.00	6,742.83	6,756.74	6,742.83	18.18	17.87	-90.36	-200.93	-154.43	700.00	666.48	33.51	20.887	
6,900.00	6,842.83	6,856.74	6,842.83	18.22	17.91	-90.36	-200.93	-154.43	700.00	666.39	33.61	20.827	
7,000.00	6,942.83	6,956.74	6,942.83	18.27	17.96	-90.36	-200.93	-154.43	700.00	666.29	33.71	20.768	
7,100.00	7,042.83	7,056.74	7,042.83	18.32	18.00	-90.36	-200.93	-154.43	700.00	666.20	33.80	20.708	
7,200.00	7,142.83	7,156.74	7,142.83	18.37	18.04	-90.36	-200.93	-154.43	700.00	666.10	33.90	20.648	
7,300.00	7,242.83	7,256.74	7,242.83	18.42	18.09	-90.36	-200.93	-154.43	700.00	666.00	34.00	20.589	
7,400.00	7,342.83	7,356.74	7,342.83	18.47	18.13	-90.36	-200.93	-154.43	700.00	665.90	34.10	20.529	
7,500.00	7,442.83	7,456.74	7,442.83	18.52	18.17	-90.36	-200.93	-154.43	700.00	665.80	34.20	20.469	
7,600.00	7,542.83	7,556.74	7,542.83	18.57	18.22	-90.36	-200.93	-154.43	700.00	665.70	34.30	20.410	
7,700.00	7,642.83	7,656.74	7,642.83	18.62	18.26	-90.36	-200.93	-154.43	700.00	665.60	34.40	20.351	
7,800.00	7,742.83	7,756.74	7,742.83	18.67	18.31	-90.36	-200.93	-154.43	700.00	665.50	34.50	20.291	
7,900.00	7,842.83	7,856.74	7,842.83	18.72	18.35	-90.36	-200.93	-154.43	700.00	665.40	34.60	20.232	
8,000.00	7,942.83	7,956.74	7,942.83	18.77	18.40	-90.36	-200.93	-154.43	700.00	665.30	34.70	20.173	
8,100.00	8,042.83	8,056.74	8,042.83	18.82	18.44	-90.36	-200.93	-154.43	700.00	665.20	34.80	20.114	
8,200.00	8,142.83	8,156.74	8,142.83	18.88	18.49	-90.36	-200.93	-154.43	700.00	665.09	34.90	20.054	
8,300.00	8,242.83	8,256.74	8,242.83	18.93	18.53	-90.36	-200.93	-154.43	700.00	664.99	35.01	19.995	
8,400.00	8,342.83	8,356.74	8,342.83	18.98	18.58	-90.36	-200.93	-154.43	700.00	664.89	35.11	19.937	
8,500.00	8,442.83	8,456.74	8,442.83	19.03	18.62	-90.36	-200.93	-154.43	700.00	664.78	35.22	19.878	
8,600.00	8,542.83	8,556.74	8,542.83	19.08	18.67	-90.36	-200.93	-154.43	700.00	664.68	35.32	19.819	
8,700.00	8,642.83	8,656.74	8,642.83	19.14	18.72	-90.36	-200.93	-154.43	700.00	664.57	35.42	19.760	
8,800.00	8,742.83	8,756.74	8,742.83	19.19	18.76	-90.36	-200.93	-154.43	700.00	664.47	35.53	19.702	
8,900.00	8,842.83	8,856.74	8,842.83	19.24	18.81	-90.36	-200.93	-154.43	700.00	664.36	35.64	19.643	
8,911.19	8,854.01	8,867.93	8,854.01	19.25	18.82	-90.36	-200.93	-154.43	700.00	664.35	35.65	19.637	
9,000.00	8,942.83	8,956.72	8,942.80	19.29	18.83	-90.34	-200.69	-154.44	700.00	664.28	35.72	19.595	
9,100.00	9,042.83	9,055.06	9,040.37	19.35	18.72	-89.42	-189.41	-154.52	700.11	664.37	35.73	19.592	
9,200.00	9,142.83	9,147.03	9,128.64	19.40	18.57	-87.33	-163.92	-154.69	701.15	665.51	35.64	19.672	
9,300.00	9,242.83	9,229.11	9,203.08	19.45	18.43	-84.53	-129.50	-154.94	704.81	669.32	35.48	19.863	
9,400.00	9,342.83	9,300.00	9,262.85	19.51	18.32	-81.47	-91.48	-155.20	713.08	677.78	35.30	20.201	
9,500.00	9,442.83	9,360.19	9,309.60	19.56	18.25	-78.48	-53.61	-155.47	727.74	692.61	35.13	20.714	
9,600.00	9,542.83	9,410.79	9,345.65	19.62	18.20	-75.73	-18.12	-155.72	749.99	714.98	35.02	21.419	
9,700.00	9,642.83	9,450.00	9,371.34	19.67	18.17	-73.48	11.48	-155.93	780.41	745.43	34.98	22.307	
9,800.00	9,742.83	9,489.22	9,394.96	19.73	18.17	-71.17	42.78	-156.15	818.94	783.91	35.03	23.380	

CC - Min centre to center distance or convergent 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 704H
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 704H	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	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.00	9,842.83	9,519.68	9,411.79	19.78	18.17	-69.34	68.16	-156.33	865.15	829.98	35.17	24.601	
10,000.00	9,942.83	9,550.00	9,427.18	19.84	18.18	-67.50	94.28	-156.51	918.34	882.97	35.37	25.961	
10,100.00	10,042.83	9,568.15	9,435.73	19.89	18.19	-66.40	110.29	-156.62	977.63	941.97	35.66	27.412	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

Survey Program: Reference		0-MWD+HDGM Offset						Rule Assigned: Distance					Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	89.64	0.79	124.98	124.98					
100.00	100.00	100.00	100.00	0.79	0.79	89.64	0.79	124.98	124.98	123.40	1.58	78.895		
200.00	200.00	200.00	200.00	1.45	1.45	89.64	0.79	124.98	124.98	122.08	2.90	43.108		
300.00	300.00	300.00	300.00	1.89	1.89	89.64	0.79	124.98	124.98	121.19	3.79	32.987		
400.00	400.00	400.00	400.00	2.26	2.26	89.64	0.79	124.98	124.98	120.47	4.51	27.700		
500.00	500.00	500.00	500.00	2.57	2.57	89.64	0.79	124.98	124.98	119.84	5.14	24.318		
600.00	600.00	600.00	600.00	2.85	2.85	89.64	0.79	124.98	124.98	119.28	5.70	21.916		
700.00	700.00	700.00	700.00	3.11	3.11	89.64	0.79	124.98	124.98	118.76	6.22	20.095		
800.00	800.00	800.00	800.00	3.35	3.35	89.64	0.79	124.98	124.98	118.28	6.70	18.652		
900.00	900.00	900.00	900.00	3.58	3.58	89.64	0.79	124.98	124.98	117.83	7.15	17.472		
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	0.79	124.98	124.98	117.40	7.58	16.483		
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	0.79	124.98	124.98	116.99	7.99	15.639		
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	0.79	124.98	124.98	116.60	8.38	14.907		
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	0.79	124.98	124.98	116.22	8.76	14.264		
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	0.79	124.98	124.98	115.85	9.13	13.693		
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	0.79	124.98	124.98	115.50	9.48	13.182		
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	0.79	124.98	124.98	115.16	9.83	12.720		
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	0.79	124.98	124.98	114.82	10.16	12.301		
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	0.79	124.98	124.98	114.50	10.49	11.917		
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	0.79	124.98	124.98	114.18	10.81	11.565		
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	0.79	124.98	124.98	113.86	11.12	11.240		
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	89.64	0.79	124.98	124.98	113.56	11.43	10.939		
2,200.00	2,200.00	2,200.00	2,200.00	5.86	5.86	89.64	0.79	124.98	124.98	113.26	11.73	10.658		
2,300.00	2,300.00	2,300.00	2,300.00	6.01	6.01	89.64	0.79	124.98	124.98	112.96	12.02	10.396		
2,400.00	2,399.99	2,399.99	2,399.99	6.18	6.16	9.74	0.79	124.98	123.69	111.36	12.34	10.028		
2,500.00	2,499.91	2,499.91	2,499.91	6.35	6.30	10.07	0.79	124.98	119.82	107.18	12.65	9.476		
2,600.00	2,599.69	2,596.98	2,596.97	6.53	6.46	10.43	1.21	126.14	114.58	101.60	12.98	8.826		
2,700.00	2,699.27	2,694.16	2,694.08	6.74	6.62	10.61	2.48	129.62	109.14	95.81	13.33	8.187		
2,800.00	2,798.63	2,791.52	2,791.25	6.93	6.78	0.18	3.78	135.40	103.85	90.19	13.66	7.601		
2,900.00	2,897.77	2,889.02	2,888.42	7.15	6.95	-8.10	4.10	143.48	99.07	85.03	14.04	7.057		
3,000.00	2,996.62	2,986.65	2,985.49	7.38	7.14	-15.03	3.42	153.83	94.83	80.37	14.46	6.559		
3,100.00	3,095.11	3,084.40	3,082.40	7.64	7.35	-21.23	1.74	166.48	91.19	76.28	14.91	6.115		
3,200.00	3,193.17	3,182.25	3,179.07	7.91	7.59	-27.13	-0.94	181.41	88.27	72.87	15.40	5.732		
3,244.48	3,236.63	3,225.81	3,221.97	8.01	7.68	-29.74	-2.45	188.78	87.22	71.66	15.57	5.603		
3,300.00	3,290.82	3,280.91	3,276.14	8.14	7.78	-31.48	-4.58	198.59	86.26	70.47	15.79	5.463		
3,400.00	3,388.42	3,380.78	3,374.33	8.44	8.03	-34.69	-8.46	216.43	84.79	68.49	16.30	5.202		
3,500.00	3,486.01	3,480.65	3,472.52	8.75	8.30	-38.01	-12.35	234.27	83.60	66.78	16.82	4.970		
3,600.00	3,583.61	3,580.53	3,570.71	9.08	8.59	-41.41	-16.23	252.12	82.69	65.37	17.33	4.772		
3,700.00	3,681.21	3,680.40	3,668.90	9.42	8.89	-44.87	-20.12	269.96	82.09	64.27	17.82	4.607		
3,800.00	3,778.81	3,780.28	3,767.09	9.78	9.21	-48.37	-24.00	287.80	81.78	63.50	18.29	4.472		
3,848.24	3,825.89	3,828.45	3,814.46	9.95	9.37	-50.07	-25.87	296.41	81.75	63.24	18.50	4.418 CC		
3,900.00	3,876.41	3,880.15	3,865.28	10.14	9.54	-51.89	-27.88	305.65	81.79	63.06	18.73	4.368		
4,000.00	3,974.01	3,980.02	3,963.48	10.51	9.88	-55.39	-31.77	323.49	82.10	62.96	19.14	4.290 ES		
4,100.00	4,071.61	4,079.90	4,061.67	10.89	10.23	-58.85	-35.65	341.33	82.72	63.20	19.52	4.237		
4,200.00	4,169.20	4,179.77	4,159.86	11.28	10.59	-62.24	-39.53	359.18	83.63	63.75	19.88	4.207		
4,300.00	4,266.80	4,279.64	4,258.05	11.68	10.95	-65.56	-43.42	377.02	84.84	64.62	20.22	4.196 SF		
4,400.00	4,364.40	4,379.52	4,356.24	12.08	11.32	-68.77	-47.30	394.86	86.31	65.78	20.54	4.202		
4,500.00	4,462.00	4,479.39	4,454.43	12.49	11.70	-71.86	-51.19	412.71	88.05	67.20	20.85	4.223		
4,600.00	4,559.60	4,579.27	4,552.62	12.90	12.09	-74.83	-55.07	430.55	90.04	68.88	21.16	4.254		
4,700.00	4,657.20	4,679.14	4,650.81	13.32	12.48	-77.66	-58.95	448.40	92.26	70.78	21.48	4.295		
4,800.00	4,754.80	4,779.01	4,749.00	13.74	12.87	-80.35	-62.84	466.24	94.69	72.89	21.81	4.343		
4,900.00	4,852.39	4,878.89	4,847.19	14.16	13.27	-82.90	-66.72	484.08	97.32	75.18	22.14	4.395		

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft		
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.00	4,949.99	4,978.76	4,945.38	14.59	13.67	-85.31	-70.60	501.93	100.14	77.64	22.50	4.451			
5,018.39	4,967.94	4,997.12	4,963.43	14.66	13.75	-85.74	-71.32	505.21	100.67	78.11	22.56	4.463			
5,100.00	5,047.78	5,078.66	5,043.59	15.02	14.08	-87.14	-74.49	519.77	103.16	80.27	22.89	4.508			
5,200.00	5,146.06	5,178.61	5,141.85	15.45	14.49	-87.50	-78.38	537.63	106.36	83.00	23.36	4.553			
5,300.00	5,244.80	5,278.53	5,240.09	15.87	14.90	-86.47	-82.26	555.48	109.69	85.79	23.90	4.589			
5,400.00	5,343.92	5,378.36	5,338.24	16.28	15.32	-84.19	-86.14	573.32	113.30	88.76	24.54	4.617			
5,500.00	5,443.35	5,478.02	5,436.22	16.67	15.73	-80.81	-90.02	591.12	117.48	92.17	25.31	4.641			
5,600.00	5,543.02	5,577.46	5,533.99	17.04	16.15	-76.50	-93.89	608.89	122.64	96.39	26.26	4.671			
5,700.00	5,642.87	5,676.61	5,631.46	17.38	16.57	-71.51	-97.74	626.60	129.28	101.88	27.40	4.719			
5,800.00	5,742.83	5,775.38	5,728.57	17.67	16.99	-66.08	-101.58	644.25	137.87	109.16	28.71	4.802			
5,857.17	5,800.00	5,831.67	5,783.91	17.74	17.23	49.54	-103.77	654.31	143.85	114.37	29.48	4.879			
5,900.00	5,842.83	5,873.77	5,825.30	17.75	17.41	51.91	-105.41	661.83	148.77	118.73	30.05	4.952			
6,000.00	5,942.83	5,972.09	5,921.96	17.80	17.83	56.88	-109.23	679.39	161.16	129.85	31.31	5.148			
6,100.00	6,042.83	6,070.40	6,018.61	17.84	18.26	61.13	-113.06	696.96	174.59	142.13	32.45	5.380			
6,200.00	6,142.83	6,168.72	6,115.27	17.89	18.68	64.76	-116.88	714.52	188.83	155.35	33.49	5.639			
6,300.00	6,242.83	6,267.03	6,211.93	17.94	19.11	67.88	-120.70	732.09	203.72	169.30	34.43	5.918			
6,400.00	6,342.83	6,365.34	6,308.59	17.98	19.54	70.57	-124.52	749.65	219.13	183.84	35.29	6.210			
6,500.00	6,442.83	6,463.66	6,405.24	18.03	19.97	72.90	-128.35	767.22	234.95	198.86	36.09	6.511			
6,600.00	6,542.83	6,561.97	6,501.90	18.08	20.40	74.94	-132.17	784.78	251.10	214.26	36.84	6.817			
6,700.00	6,642.83	6,660.29	6,598.56	18.13	20.83	76.73	-135.99	802.35	267.53	229.98	37.54	7.126			
6,800.00	6,742.83	6,758.60	6,695.21	18.18	21.26	78.32	-139.82	819.91	284.18	245.96	38.22	7.436			
6,900.00	6,842.83	6,856.92	6,791.87	18.22	21.69	79.73	-143.64	837.48	301.03	262.16	38.87	7.745			
7,000.00	6,942.83	6,955.23	6,888.53	18.27	22.13	80.99	-147.46	855.04	318.03	278.54	39.49	8.053			
7,100.00	7,042.83	7,053.54	6,985.18	18.32	22.56	82.12	-151.29	872.61	335.17	295.07	40.10	8.358			
7,200.00	7,142.83	7,151.86	7,081.84	18.37	23.00	83.14	-155.11	890.17	352.42	311.73	40.69	8.660			
7,300.00	7,242.83	7,250.17	7,178.50	18.42	23.43	84.07	-158.93	907.74	369.77	328.50	41.28	8.958			
7,400.00	7,342.83	7,348.49	7,275.15	18.47	23.87	84.92	-162.76	925.30	387.21	345.36	41.85	9.252			
7,500.00	7,442.83	7,446.80	7,371.81	18.52	24.31	85.69	-166.58	942.87	404.72	362.31	42.41	9.542			
7,600.00	7,542.83	7,545.11	7,468.47	18.57	24.75	86.40	-170.40	960.43	422.30	379.33	42.97	9.827			
7,700.00	7,642.83	7,643.43	7,565.12	18.62	25.18	87.05	-174.23	978.00	439.94	396.41	43.52	10.108			
7,800.00	7,742.83	7,741.74	7,661.78	18.67	25.62	87.65	-178.05	995.56	457.62	413.56	44.07	10.385			
7,900.00	7,842.83	7,848.13	7,766.48	18.72	26.09	88.23	-182.06	1,014.01	474.86	430.22	44.63	10.639			
8,000.00	7,942.83	7,960.81	7,877.86	18.77	26.59	88.72	-185.68	1,030.63	489.54	444.35	45.19	10.834			
8,100.00	8,042.83	8,074.41	7,990.62	18.82	27.06	89.09	-188.62	1,044.14	501.38	455.70	45.68	10.976			
8,200.00	8,142.83	8,188.75	8,104.46	18.88	27.51	89.36	-190.86	1,054.42	510.35	464.24	46.11	11.068			
8,300.00	8,242.83	8,303.61	8,219.10	18.93	27.92	89.54	-192.38	1,061.40	516.41	469.94	46.47	11.112			
8,400.00	8,342.83	8,418.80	8,334.23	18.98	28.25	89.63	-193.16	1,065.00	519.53	472.81	46.72	11.120			
8,500.00	8,442.83	8,527.41	8,442.83	19.03	28.36	89.64	-193.28	1,065.54	520.00	473.21	46.79	11.112			
8,600.00	8,542.83	8,627.41	8,542.83	19.08	28.39	89.64	-193.28	1,065.54	520.00	473.12	46.88	11.092			
8,700.00	8,642.83	8,727.41	8,642.83	19.14	28.42	89.64	-193.28	1,065.54	520.00	473.03	46.97	11.072			
8,800.00	8,742.83	8,827.41	8,742.83	19.19	28.45	89.64	-193.28	1,065.54	520.00	472.95	47.05	11.052			
8,900.00	8,842.83	8,927.41	8,842.83	19.24	28.48	89.64	-193.28	1,065.54	520.00	472.87	47.13	11.033			
8,910.00	8,852.83	8,937.41	8,852.83	19.25	28.48	89.64	-193.28	1,065.54	520.00	472.86	47.14	11.031			
9,000.00	8,942.83	9,022.73	8,938.12	19.29	28.50	89.50	-191.96	1,065.70	520.20	472.95	47.25	11.010			
9,100.00	9,042.83	9,110.15	9,024.55	19.35	28.50	88.13	-179.47	1,067.26	522.31	474.96	47.35	11.030			
9,200.00	9,142.83	9,192.01	9,102.86	19.40	28.50	85.59	-156.09	1,070.17	527.70	480.32	47.38	11.138			
9,300.00	9,242.83	9,265.88	9,170.02	19.45	28.50	82.36	-125.67	1,073.96	538.09	490.77	47.32	11.371			
9,400.00	9,342.83	9,330.81	9,225.37	19.51	28.51	78.90	-92.05	1,078.15	555.32	508.16	47.16	11.776			
9,500.00	9,442.83	9,386.95	9,269.87	19.56	28.53	75.54	-58.13	1,082.37	580.73	533.86	46.87	12.391			
9,600.00	9,542.83	9,435.10	9,305.23	19.62	28.55	72.47	-25.71	1,086.41	614.95	568.47	46.48	13.231			
9,700.00	9,642.83	9,476.31	9,333.22	19.67	28.58	69.76	4.29	1,090.15	657.86	611.83	46.03	14.291			
9,800.00	9,742.83	9,511.62	9,355.42	19.73	28.61	67.40	31.53	1,093.54	708.80	663.22	45.58	15.551			

CC - Min centre to center distance or convergent 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 704H
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 704H	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	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,900.00	9,842.83	9,550.00	9,377.58	19.78	28.65	64.85	62.62	1,097.41	766.92	721.78	45.14	16.988	
10,000.00	9,942.83	9,568.29	9,387.39	19.84	28.67	63.64	77.93	1,099.32	830.96	786.16	44.80	18.548	
10,100.00	10,042.83	9,600.00	9,403.22	19.89	28.71	61.56	105.19	1,102.72	900.32	855.81	44.51	20.227	
10,200.00	10,142.83	9,600.00	9,403.22	19.95	28.71	61.56	105.19	1,102.72	973.91	929.62	44.29	21.991	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

0-MWD+HDGM													Offset Site Error:	0.00 usft		
Survey Program: Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error:	0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
0.00	0.00	0.00	0.00	0.00	0.00	-90.36	-0.78	-124.98	124.98							
100.00	100.00	100.00	100.00	0.79	0.79	-90.36	-0.78	-124.98	124.98	123.40	1.58	78.895				
200.00	200.00	200.00	200.00	1.45	1.45	-90.36	-0.78	-124.98	124.98	122.08	2.90	43.108				
300.00	300.00	300.00	300.00	1.89	1.89	-90.36	-0.78	-124.98	124.98	121.19	3.79	32.987				
400.00	400.00	400.00	400.00	2.26	2.26	-90.36	-0.78	-124.98	124.98	120.47	4.51	27.700				
500.00	500.00	500.00	500.00	2.57	2.57	-90.36	-0.78	-124.98	124.98	119.84	5.14	24.318				
600.00	600.00	600.00	600.00	2.85	2.85	-90.36	-0.78	-124.98	124.98	119.28	5.70	21.916				
700.00	700.00	700.00	700.00	3.11	3.11	-90.36	-0.78	-124.98	124.98	118.76	6.22	20.095				
800.00	800.00	800.00	800.00	3.35	3.35	-90.36	-0.78	-124.98	124.98	118.28	6.70	18.652				
900.00	900.00	900.00	900.00	3.58	3.58	-90.36	-0.78	-124.98	124.98	117.83	7.15	17.472				
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-90.36	-0.78	-124.98	124.98	117.40	7.58	16.483				
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	-90.36	-0.78	-124.98	124.98	116.99	7.99	15.639				
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-90.36	-0.78	-124.98	124.98	116.60	8.38	14.907				
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-90.36	-0.78	-124.98	124.98	116.22	8.76	14.264				
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-90.36	-0.78	-124.98	124.98	115.85	9.13	13.693				
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-90.36	-0.78	-124.98	124.98	115.50	9.48	13.182				
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-90.36	-0.78	-124.98	124.98	115.16	9.83	12.720				
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-90.36	-0.78	-124.98	124.98	114.82	10.16	12.301				
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-90.36	-0.78	-124.98	124.98	114.50	10.49	11.917				
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-90.36	-0.78	-124.98	124.98	114.18	10.81	11.565				
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-90.36	-0.78	-124.98	124.98	113.86	11.12	11.240 CC, ES				
2,100.00	2,100.00	2,097.70	2,097.69	5.71	5.73	-90.76	-1.66	-125.86	125.90	114.48	11.42	11.025				
2,200.00	2,200.00	2,195.28	2,195.19	5.86	5.88	-91.92	-4.31	-128.51	128.67	116.97	11.70	10.997 SF				
2,300.00	2,300.00	2,292.60	2,292.31	6.01	6.06	-93.75	-8.70	-132.90	133.41	121.42	11.99	11.129				
2,400.00	2,399.99	2,389.43	2,388.75	6.18	6.25	-176.11	-14.80	-139.00	141.54	129.23	12.31	11.498				
2,500.00	2,499.91	2,485.37	2,484.07	6.35	6.46	-178.77	-22.56	-146.76	154.53	141.88	12.65	12.215				
2,600.00	2,599.69	2,581.87	2,579.66	6.53	6.62	178.55	-31.84	-156.04	172.20	159.23	12.97	13.277				
2,700.00	2,699.27	2,679.43	2,676.28	6.74	6.84	176.33	-41.44	-165.64	193.00	179.62	13.38	14.427				
2,800.00	2,798.63	2,776.64	2,772.54	6.93	7.08	164.42	-51.01	-175.21	215.92	202.13	13.80	15.649				
2,900.00	2,897.77	2,873.63	2,868.58	7.15	7.34	155.98	-60.55	-184.75	240.16	225.92	14.24	16.862				
3,000.00	2,996.62	2,970.33	2,964.35	7.38	7.62	150.06	-70.07	-194.27	265.61	250.90	14.71	18.057				
3,100.00	3,095.11	3,065.97	3,059.06	7.64	7.86	145.96	-79.36	-203.76	292.30	277.15	15.16	19.287				
3,200.00	3,193.17	3,159.41	3,151.63	7.91	8.14	143.42	-86.91	-213.98	320.79	305.15	15.64	20.513				
3,244.48	3,236.63	3,200.00	3,191.84	8.01	8.26	142.68	-89.59	-218.80	334.12	318.29	15.83	21.105				
3,300.00	3,290.82	3,251.61	3,242.97	8.14	8.41	143.64	-92.46	-225.25	351.20	335.12	16.08	21.842				
3,400.00	3,388.42	3,345.23	3,335.68	8.44	8.68	145.33	-96.69	-237.56	382.57	365.97	16.60	23.048				
3,500.00	3,486.01	3,439.60	3,429.13	8.75	8.99	146.78	-100.88	-250.00	414.23	397.06	17.17	24.121				
3,600.00	3,583.61	3,533.96	3,522.57	9.08	9.30	148.04	-105.07	-262.45	446.11	428.34	17.77	25.111				
3,700.00	3,681.21	3,628.32	3,616.02	9.42	9.62	149.12	-109.27	-274.89	478.14	459.77	18.38	26.018				
3,800.00	3,778.81	3,722.69	3,709.46	9.78	9.95	150.07	-113.46	-287.34	510.32	491.31	19.01	26.849				
3,900.00	3,876.41	3,817.05	3,802.90	10.14	10.28	150.91	-117.66	-299.78	542.61	522.95	19.65	27.609				
4,000.00	3,974.01	3,911.41	3,896.35	10.51	10.61	151.65	-121.85	-312.23	574.99	554.67	20.31	28.305				
4,100.00	4,071.61	4,005.77	3,989.79	10.89	10.96	152.32	-126.05	-324.67	607.44	586.45	20.99	28.943				
4,200.00	4,169.20	4,100.14	4,083.24	11.28	11.30	152.91	-130.24	-337.12	639.97	618.29	21.67	29.528				
4,300.00	4,266.80	4,194.50	4,176.68	11.68	11.65	153.45	-134.44	-349.56	672.54	650.17	22.37	30.064				
4,400.00	4,364.40	4,288.86	4,270.13	12.08	12.01	153.94	-138.63	-362.01	705.17	682.10	23.08	30.557				
4,500.00	4,462.00	4,383.22	4,363.57	12.49	12.36	154.39	-142.82	-374.45	737.84	714.05	23.79	31.011				
4,600.00	4,559.60	4,477.59	4,457.01	12.90	12.72	154.80	-147.02	-386.90	770.55	746.03	24.52	31.429				
4,700.00	4,657.20	4,571.95	4,550.46	13.32	13.09	155.17	-151.21	-399.35	803.29	778.04	25.25	31.815				
4,800.00	4,754.80	4,666.31	4,643.90	13.74	13.45	155.52	-155.41	-411.79	836.06	810.07	25.99	32.172				
4,900.00	4,852.39	4,760.67	4,737.35	14.16	13.82	155.84	-159.60	-424.24	868.85	842.12	26.73	32.502				
5,000.00	4,949.99	4,855.04	4,830.79	14.59	14.19	156.14	-163.80	-436.68	901.67	874.18	27.48	32.808				

CC - Min centre to center distance or convergent 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 704H
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 704H	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	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:				Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,018.39	4,967.94	4,872.39	4,847.97	14.66	14.26	156.19	-164.57	-438.97	907.70	880.09	27.61	32.870	
5,100.00	5,047.78	4,949.67	4,924.50	15.02	14.57	156.56	-168.00	-449.16	933.74	905.51	28.23	33.075	
5,200.00	5,146.06	5,045.07	5,018.97	15.45	14.95	156.92	-172.24	-461.74	963.59	934.60	28.99	33.234	
5,300.00	5,244.80	5,141.18	5,114.15	15.87	15.33	157.18	-176.52	-474.42	991.13	961.38	29.75	33.313	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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 504H - OH - Plan 1

Survey Program: 0-MWD+HDGM											Offset Site Error: 0.00 usft	
Rule Assigned: Distance											Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-90.36	-0.63	-99.98	99.98			
100.00	100.00	100.00	100.00	0.79	0.79	-90.36	-0.63	-99.98	99.98	98.40	1.58	63.114
200.00	200.00	200.00	200.00	1.45	1.45	-90.36	-0.63	-99.98	99.98	97.08	2.90	34.485
300.00	300.00	300.00	300.00	1.89	1.89	-90.36	-0.63	-99.98	99.98	96.19	3.79	26.389
400.00	400.00	400.00	400.00	2.26	2.26	-90.36	-0.63	-99.98	99.98	95.47	4.51	22.159
500.00	500.00	500.00	500.00	2.57	2.57	-90.36	-0.63	-99.98	99.98	94.84	5.14	19.454
600.00	600.00	600.00	600.00	2.85	2.85	-90.36	-0.63	-99.98	99.98	94.28	5.70	17.532
700.00	700.00	700.00	700.00	3.11	3.11	-90.36	-0.63	-99.98	99.98	93.76	6.22	16.075
800.00	800.00	800.00	800.00	3.35	3.35	-90.36	-0.63	-99.98	99.98	93.28	6.70	14.921
900.00	900.00	900.00	900.00	3.58	3.58	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-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	-90.36	-0.63	-99.98	99.98	87.96	12.02	8.317
2,400.00	2,399.99	2,399.99	2,399.99	6.18	6.16	-170.48	-0.63	-99.98	101.27	88.94	12.34	8.210
2,500.00	2,499.91	2,499.91	2,499.91	6.35	6.30	-170.83	-0.63	-99.98	105.15	92.50	12.65	8.315
2,600.00	2,599.69	2,599.69	2,599.69	6.53	6.44	-171.35	-0.63	-99.98	111.61	98.64	12.97	8.605
2,700.00	2,699.27	2,699.27	2,699.27	6.74	6.58	-171.98	-0.63	-99.98	120.66	107.35	13.31	9.065
2,800.00	2,798.63	2,798.63	2,798.63	6.93	6.71	-177.52	-0.63	-99.98	131.90	118.26	13.64	9.670
2,900.00	2,897.77	2,897.77	2,897.77	7.15	6.85	-170.45	-0.63	-99.98	144.89	130.90	13.99	10.358
3,000.00	2,996.62	2,996.62	2,996.62	7.38	6.98	-165.88	-0.63	-99.98	159.69	145.33	14.36	11.122
3,100.00	3,095.11	3,099.61	3,099.60	7.64	7.13	-163.04	-0.89	-98.71	175.15	160.39	14.76	11.865
3,200.00	3,193.17	3,203.24	3,203.15	7.91	7.27	-161.33	-1.72	-94.68	189.96	174.79	15.18	12.517
3,244.48	3,236.63	3,249.50	3,249.32	8.01	7.34	-160.86	-2.27	-92.00	196.36	181.01	15.34	12.799
3,300.00	3,290.82	3,307.41	3,307.08	8.14	7.43	-161.87	-3.12	-87.87	203.88	188.32	15.56	13.104
3,400.00	3,388.42	3,412.32	3,411.51	8.44	7.61	-163.45	-5.10	-78.20	215.47	199.44	16.03	13.443
3,500.00	3,486.01	3,517.85	3,516.26	8.75	7.82	-164.81	-7.68	-65.65	224.46	207.92	16.53	13.576
3,600.00	3,583.61	3,622.28	3,619.55	9.08	8.10	-166.00	-10.78	-50.51	230.87	213.74	17.14	13.473
3,700.00	3,681.21	3,722.02	3,718.07	9.42	8.54	-167.08	-13.91	-35.28	236.59	218.65	17.94	13.187
3,800.00	3,778.81	3,821.76	3,816.59	9.78	8.76	-168.10	-17.03	-20.05	242.39	223.85	18.53	13.079
3,900.00	3,876.41	3,921.51	3,915.11	10.14	9.00	-169.07	-20.16	-4.82	248.25	229.10	19.15	12.964
4,000.00	3,974.01	4,021.25	4,013.63	10.51	9.25	-170.00	-23.28	10.42	254.19	234.40	19.79	12.843
4,100.00	4,071.61	4,120.99	4,112.15	10.89	9.52	-170.89	-26.41	25.65	260.19	239.74	20.46	12.720
4,200.00	4,169.20	4,220.73	4,210.67	11.28	9.80	-171.73	-29.54	40.88	266.25	245.11	21.14	12.595
4,300.00	4,266.80	4,320.47	4,309.19	11.68	10.09	-172.54	-32.66	56.11	272.37	250.53	21.84	12.470
4,400.00	4,364.40	4,420.21	4,407.72	12.08	10.39	-173.31	-35.79	71.34	278.53	255.98	22.56	12.347
4,500.00	4,462.00	4,519.95	4,506.24	12.49	10.71	-174.05	-38.91	86.57	284.75	261.46	23.29	12.227
4,600.00	4,559.60	4,619.69	4,604.76	12.90	11.03	-174.76	-42.04	101.81	291.01	266.98	24.03	12.109
4,700.00	4,657.20	4,719.43	4,703.28	13.32	11.36	-175.44	-45.16	117.04	297.31	272.52	24.79	11.994
4,800.00	4,754.80	4,819.17	4,801.80	13.74	11.69	-176.09	-48.29	132.27	303.66	278.10	25.55	11.883
4,900.00	4,852.39	4,918.91	4,900.32	14.16	12.04	-176.71	-51.41	147.50	310.04	283.71	26.33	11.776
5,000.00	4,949.99	5,018.65	4,998.84	14.59	12.39	-177.31	-54.54	162.73	316.45	289.34	27.11	11.672

CC - Min centre to center distance or convergent 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 704H
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 704H	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 504H - OH - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,018.39	4,967.94	5,036.99	5,016.96	14.66	12.45	177.42	-55.12	165.53	317.63	290.38	27.25	11.657	
5,100.00	5,047.78	5,118.44	5,097.42	15.02	12.75	177.88	-57.67	177.97	322.03	294.14	27.89	11.545	
5,200.00	5,146.06	5,218.35	5,196.10	15.45	13.11	178.42	-60.80	193.23	325.07	296.38	28.69	11.332	
5,300.00	5,244.80	5,318.30	5,294.83	15.87	13.48	178.94	-63.93	208.49	325.52	296.04	29.47	11.045	
5,400.00	5,343.92	5,418.23	5,393.54	16.28	13.85	179.45	-67.06	223.75	323.37	293.13	30.24	10.693	
5,500.00	5,443.35	5,518.08	5,492.16	16.67	14.22	179.97	-70.19	239.00	318.64	287.65	31.00	10.280	
5,600.00	5,543.02	5,617.76	5,590.63	17.04	14.60	-179.50	-73.32	254.22	311.32	279.60	31.73	9.813	
5,700.00	5,642.87	5,717.22	5,688.87	17.38	14.98	-178.92	-76.43	269.41	301.43	269.00	32.43	9.296	
5,800.00	5,742.83	5,816.39	5,786.82	17.67	15.37	-178.29	-79.54	284.55	288.96	255.89	33.07	8.737	
5,857.17	5,800.00	5,872.92	5,842.67	17.74	15.59	-65.46	-81.31	293.19	280.69	247.34	33.35	8.417	
5,900.00	5,842.83	5,915.23	5,884.46	17.75	15.75	-65.15	-82.64	299.65	274.18	240.68	33.50	8.184	
6,000.00	5,942.83	6,014.01	5,982.03	17.80	16.14	-64.36	-85.73	314.73	259.02	225.13	33.89	7.643	
6,100.00	6,042.83	6,112.78	6,079.60	17.84	16.53	-63.47	-88.83	329.82	243.91	209.64	34.27	7.117	
6,200.00	6,142.83	6,211.56	6,177.17	17.89	16.93	-62.46	-91.92	344.90	228.87	194.23	34.64	6.607	
6,300.00	6,242.83	6,310.34	6,274.74	17.94	17.32	-61.32	-95.02	359.99	213.91	178.92	34.99	6.113	
6,400.00	6,342.83	6,409.11	6,372.31	17.98	17.72	-60.00	-98.11	375.07	199.05	163.72	35.32	5.635	
6,500.00	6,442.83	6,507.89	6,469.88	18.03	18.12	-58.47	-101.21	390.16	184.30	148.67	35.63	5.173	
6,600.00	6,542.83	6,606.67	6,567.45	18.08	18.52	-56.68	-104.30	405.24	169.71	133.82	35.89	4.728	
6,700.00	6,642.83	6,705.45	6,665.02	18.13	18.93	-54.56	-107.40	420.32	155.31	119.21	36.10	4.303	
6,800.00	6,742.83	6,804.22	6,762.58	18.18	19.33	-52.00	-110.50	435.41	141.16	104.93	36.22	3.897	
6,900.00	6,842.83	6,903.00	6,860.15	18.22	19.74	-48.89	-113.59	450.49	127.34	91.11	36.23	3.515	
7,000.00	6,942.83	7,001.78	6,957.72	18.27	20.15	-45.04	-116.69	465.58	113.99	77.92	36.07	3.160	
7,100.00	7,042.83	7,100.56	7,055.29	18.32	20.56	-40.21	-119.78	480.66	101.28	65.61	35.67	2.840	
7,200.00	7,142.83	7,199.33	7,152.86	18.37	20.97	-34.06	-122.88	495.75	89.48	54.57	34.91	2.563	
7,300.00	7,242.83	7,298.11	7,250.43	18.42	21.38	-26.20	-125.97	510.83	79.01	45.31	33.70	2.345	
7,400.00	7,342.83	7,396.89	7,348.00	18.47	21.79	-16.23	-129.07	525.92	70.46	38.45	32.02	2.201	
7,500.00	7,442.83	7,495.67	7,445.57	18.52	22.21	-4.04	-132.16	541.00	64.60	34.37	30.23	2.137	
7,600.00	7,542.83	7,594.44	7,543.14	18.57	22.62	9.75	-135.26	556.08	62.18	32.89	29.29	2.123	
7,612.98	7,555.81	7,607.26	7,555.81	18.58	22.67	11.60	-135.66	558.04	62.15	32.86	29.28	2.122 CC, ES	
7,700.00	7,642.83	7,693.22	7,640.71	18.62	23.04	23.76	-138.35	571.17	63.61	33.55	30.06	2.116 SF	
7,800.00	7,742.83	7,792.00	7,738.28	18.67	23.45	36.46	-141.45	586.25	68.65	36.43	32.21	2.131	
7,900.00	7,842.83	7,890.78	7,835.85	18.72	23.87	47.02	-144.55	601.34	76.58	41.85	34.73	2.205	
8,000.00	7,942.83	7,989.55	7,933.42	18.77	24.29	55.40	-147.64	616.42	86.62	49.62	36.99	2.341	
8,100.00	8,042.83	8,088.33	8,030.99	18.82	24.71	61.95	-150.74	631.51	98.12	59.26	38.86	2.525	
8,200.00	8,142.83	8,187.11	8,128.56	18.88	25.13	67.09	-153.83	646.59	110.62	70.25	40.37	2.740	
8,300.00	8,242.83	8,285.89	8,226.13	18.93	25.55	71.16	-156.93	661.68	123.83	82.22	41.61	2.976	
8,400.00	8,342.83	8,384.66	8,323.70	18.98	25.97	74.45	-160.02	676.76	137.53	94.87	42.66	3.224	
8,500.00	8,442.83	8,483.44	8,421.27	19.03	26.40	77.13	-163.12	691.84	151.60	108.03	43.58	3.479	
8,600.00	8,542.83	8,582.22	8,518.84	19.08	26.82	79.36	-166.21	706.93	165.95	121.55	44.39	3.738	
8,700.00	8,642.83	8,680.99	8,616.41	19.14	27.24	81.23	-169.31	722.01	180.50	135.35	45.14	3.999	
8,800.00	8,742.83	8,779.77	8,713.98	19.19	27.67	82.82	-172.40	737.10	195.21	149.37	45.83	4.259	
8,900.00	8,842.83	8,878.55	8,811.55	19.24	28.09	84.19	-175.50	752.18	210.04	163.55	46.49	4.518	
9,000.00	8,942.83	8,977.33	8,909.12	19.29	28.52	85.37	-178.60	767.27	224.98	177.87	47.11	4.775	
9,100.00	9,042.83	9,076.10	9,006.69	19.35	28.94	86.41	-181.69	782.35	240.00	192.29	47.72	5.030	
9,200.00	9,142.83	9,174.88	9,104.26	19.40	29.37	87.33	-184.79	797.44	255.09	206.80	48.30	5.282	
9,300.00	9,242.83	9,279.80	9,208.05	19.45	29.83	88.14	-187.87	812.44	269.29	220.42	48.87	5.511	
9,400.00	9,342.83	9,386.59	9,314.07	19.51	30.27	88.74	-190.42	824.88	280.87	231.50	49.37	5.689	
9,500.00	9,442.83	9,494.01	9,421.04	19.56	30.69	89.18	-192.38	834.45	289.75	239.94	49.81	5.817	
9,600.00	9,542.83	9,601.89	9,528.72	19.62	31.07	89.46	-193.75	841.10	295.90	245.72	50.18	5.897	
9,700.00	9,642.83	9,710.08	9,636.83	19.67	31.40	89.61	-194.50	844.77	299.28	248.83	50.45	5.932	
9,800.00	9,742.83	9,816.08	9,742.83	19.73	31.52	89.64	-194.66	845.55	300.01	249.47	50.54	5.936	
9,888.32	9,831.15	9,904.40	9,831.15	19.77	31.54	89.60	-194.43	845.55	300.01	249.40	50.61	5.928	

CC - Min centre to center distance or convergent 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 704H
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 704H	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 504H - OH - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,900.00	9,842.83	9,916.07	9,842.81	19.78	31.54	89.51	-193.99	845.55	300.01	249.40	50.61	5.928	
10,000.00	9,942.83	10,014.07	9,939.81	19.84	31.49	87.02	-180.91	845.45	300.33	249.88	50.45	5.953	
10,100.00	10,042.83	10,105.18	10,026.79	19.89	31.43	81.94	-154.10	845.26	303.13	253.10	50.03	6.059	
10,200.00	10,142.83	10,186.13	10,099.64	19.95	31.38	75.48	-118.98	845.02	312.35	263.01	49.34	6.331	
10,300.00	10,242.83	10,255.87	10,157.91	20.00	31.34	68.84	-80.75	844.75	331.87	283.47	48.40	6.857	
10,400.00	10,342.83	10,314.91	10,203.32	20.06	31.33	62.82	-43.04	844.48	363.85	316.46	47.39	7.679	
10,500.00	10,442.83	10,364.55	10,238.32	20.11	31.33	57.72	-7.86	844.23	408.21	361.71	46.50	8.779	
10,514.22	10,457.04	10,370.93	10,242.59	20.12	31.33	57.07	-3.12	844.20	415.44	369.05	46.39	8.955	
10,550.00	10,492.80	10,386.86	10,253.03	20.12	31.33	54.15	8.90	844.12	434.04	387.87	46.17	9.401	
10,600.00	10,542.51	10,400.00	10,261.39	20.09	31.33	50.57	19.05	844.05	460.34	414.19	46.15	9.975	
10,650.00	10,591.56	10,431.91	10,280.69	20.06	31.34	46.01	44.45	843.87	486.12	440.15	45.97	10.575	
10,700.00	10,639.59	10,450.00	10,291.00	20.03	31.35	42.86	59.31	843.76	511.51	465.43	46.09	11.099	
10,750.00	10,686.23	10,477.60	10,305.81	19.99	31.37	39.63	82.60	843.60	535.96	489.79	46.17	11.609	
10,800.00	10,731.12	10,500.00	10,316.99	19.96	31.39	37.07	102.01	843.46	559.35	512.96	46.39	12.058	
10,850.00	10,773.93	10,523.76	10,328.01	19.93	31.41	34.81	123.05	843.31	581.45	534.80	46.65	12.464	
10,900.00	10,814.33	10,550.00	10,339.16	19.91	31.44	32.81	146.81	843.15	602.11	555.17	46.94	12.827	
10,950.00	10,852.01	10,570.26	10,347.01	19.90	31.47	31.25	165.48	843.01	621.16	573.83	47.32	13.126	
11,000.00	10,886.68	10,600.00	10,357.34	19.90	31.51	29.73	193.37	842.82	638.60	590.93	47.67	13.396	
11,050.00	10,918.08	10,617.01	10,362.59	19.93	31.54	28.67	209.54	842.70	654.13	606.00	48.13	13.590	
11,100.00	10,945.98	10,650.00	10,371.39	19.97	31.61	27.57	241.33	842.48	668.01	619.49	48.52	13.767	
11,150.00	10,970.15	10,663.94	10,374.56	20.03	31.64	26.88	254.91	842.38	679.69	630.66	49.03	13.862	
11,200.00	10,990.42	10,700.00	10,381.21	20.12	31.72	26.14	290.34	842.14	689.78	640.32	49.46	13.946	
11,250.00	11,006.63	10,700.00	10,381.21	20.24	31.72	25.79	290.34	842.14	697.56	647.55	50.02	13.946	
11,300.00	11,018.65	10,734.55	10,385.48	20.39	31.81	25.38	324.62	841.89	703.18	652.68	50.50	13.926	
11,350.00	11,026.41	10,750.00	10,386.72	20.57	31.86	25.17	340.02	841.79	707.00	656.00	51.01	13.861	
11,400.00	11,029.82	10,788.29	10,388.00	20.77	31.97	25.05	378.28	841.52	708.61	657.11	51.51	13.758	
11,414.22	11,030.00	10,788.53	10,388.00	20.84	31.97	25.05	378.52	841.51	708.64	656.99	51.64	13.721	
11,500.00	11,030.00	10,874.31	10,388.00	21.26	32.29	25.05	464.30	840.91	708.64	656.16	52.47	13.504	
11,600.00	11,030.00	10,974.31	10,388.00	21.83	32.70	25.05	564.30	840.21	708.64	655.15	53.49	13.248	
11,700.00	11,030.00	11,074.31	10,388.00	22.48	33.18	25.05	664.29	839.50	708.64	654.09	54.55	12.991	
11,800.00	11,030.00	11,174.31	10,388.00	23.19	33.71	25.05	764.29	838.80	708.64	652.98	55.65	12.733	
11,900.00	11,030.00	11,274.31	10,388.00	23.97	34.29	25.05	864.29	838.09	708.64	651.84	56.80	12.476	
12,000.00	11,030.00	11,374.31	10,388.00	24.80	34.92	25.05	964.29	837.39	708.64	650.65	57.98	12.222	
12,100.00	11,030.00	11,474.31	10,388.00	25.68	35.60	25.05	1,064.28	836.69	708.64	649.43	59.20	11.970	
12,200.00	11,030.00	11,574.31	10,388.00	26.61	36.31	25.05	1,164.28	835.98	708.64	648.18	60.45	11.722	
12,300.00	11,030.00	11,674.31	10,388.00	27.58	37.07	25.05	1,264.28	835.28	708.63	646.90	61.74	11.478	
12,400.00	11,030.00	11,774.31	10,388.00	28.59	37.87	25.05	1,364.28	834.57	708.63	645.58	63.05	11.239	
12,500.00	11,030.00	11,874.31	10,388.00	29.63	38.70	25.05	1,464.27	833.87	708.63	644.24	64.40	11.004	
12,600.00	11,030.00	11,974.31	10,388.00	30.71	39.56	25.05	1,564.27	833.17	708.63	642.87	65.77	10.775	
12,700.00	11,030.00	12,074.31	10,388.00	31.81	40.46	25.05	1,664.27	832.46	708.63	641.47	67.16	10.551	
12,800.00	11,030.00	12,174.31	10,388.00	32.94	41.38	25.05	1,764.27	831.76	708.63	640.06	68.58	10.333	
12,900.00	11,030.00	12,274.31	10,388.00	34.10	42.33	25.05	1,864.26	831.05	708.63	638.62	70.02	10.121	
13,000.00	11,030.00	12,374.31	10,388.00	35.27	43.31	25.05	1,964.26	830.35	708.63	637.16	71.48	9.914	
13,100.00	11,030.00	12,474.31	10,388.00	36.46	44.31	25.05	2,064.26	829.64	708.63	635.68	72.96	9.713	
13,200.00	11,030.00	12,574.31	10,388.00	37.67	45.34	25.05	2,164.26	828.94	708.63	634.18	74.46	9.518	
13,300.00	11,030.00	12,674.31	10,388.00	38.90	46.38	25.05	2,264.25	828.24	708.63	632.66	75.97	9.328	
13,400.00	11,030.00	12,774.31	10,388.00	40.14	47.44	25.05	2,364.25	827.53	708.63	631.13	77.50	9.144	
13,500.00	11,030.00	12,874.31	10,388.00	41.40	48.53	25.05	2,464.25	826.83	708.63	629.59	79.05	8.965	
13,600.00	11,030.00	12,974.31	10,388.00	42.66	49.63	25.05	2,564.25	826.12	708.63	628.03	80.61	8.791	
13,700.00	11,030.00	13,074.31	10,388.00	43.94	50.75	25.05	2,664.24	825.42	708.63	626.45	82.18	8.623	
13,800.00	11,030.00	13,174.31	10,388.00	45.23	51.88	25.05	2,764.24	824.72	708.63	624.87	83.76	8.460	
13,900.00	11,030.00	13,274.31	10,388.00	46.52	53.03	25.05	2,864.24	824.01	708.63	623.27	85.36	8.301	

CC - Min centre to center distance or convergent 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 704H
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 704H	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 504H - OH - Plan 1

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft		
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
14,000.00	11,030.00	13,374.31	10,388.00	47.83	54.19	25.05	2,964.24	823.31	708.63	621.66	86.97	8.148			
14,100.00	11,030.00	13,474.31	10,388.00	49.14	55.36	25.05	3,064.23	822.60	708.63	620.04	88.59	7.999			
14,200.00	11,030.00	13,574.31	10,388.00	50.46	56.55	25.05	3,164.23	821.90	708.63	618.41	90.22	7.854			
14,300.00	11,030.00	13,674.31	10,388.00	51.79	57.75	25.05	3,264.23	821.20	708.63	616.77	91.86	7.714			
14,400.00	11,030.00	13,774.31	10,388.00	53.12	58.95	25.05	3,364.23	820.49	708.63	615.12	93.51	7.578			
14,500.00	11,030.00	13,874.31	10,388.00	54.46	60.17	25.05	3,464.22	819.79	708.63	613.46	95.17	7.446			
14,600.00	11,030.00	13,974.31	10,388.00	55.81	61.40	25.05	3,564.22	819.08	708.63	611.80	96.83	7.318			
14,700.00	11,030.00	14,074.31	10,388.00	57.16	62.64	25.05	3,664.22	818.38	708.63	610.13	98.50	7.194			
14,800.00	11,030.00	14,174.31	10,388.00	58.51	63.88	25.05	3,764.22	817.68	708.63	608.45	100.18	7.073			
14,900.00	11,030.00	14,274.31	10,388.00	59.87	65.14	25.05	3,864.21	816.97	708.63	606.76	101.87	6.956			
15,000.00	11,030.00	14,374.31	10,388.00	61.23	66.40	25.05	3,964.21	816.27	708.63	605.06	103.57	6.842			
15,100.00	11,030.00	14,474.31	10,388.00	62.60	67.67	25.05	4,064.21	815.56	708.63	603.36	105.27	6.732			
15,200.00	11,030.00	14,574.31	10,388.00	63.97	68.94	25.05	4,164.21	814.86	708.63	601.66	106.97	6.624			
15,300.00	11,030.00	14,674.31	10,388.00	65.34	70.23	25.05	4,264.20	814.15	708.63	599.95	108.68	6.520			
15,400.00	11,030.00	14,774.31	10,388.00	66.72	71.52	25.05	4,364.20	813.45	708.63	598.23	110.40	6.419			
15,500.00	11,030.00	14,874.31	10,388.00	68.10	72.81	25.05	4,464.20	812.75	708.63	596.51	112.12	6.320			
15,600.00	11,030.00	14,974.31	10,388.00	69.48	74.11	25.05	4,564.20	812.04	708.63	594.78	113.85	6.224			
15,700.00	11,030.00	15,074.31	10,388.00	70.87	75.41	25.05	4,664.19	811.34	708.63	593.05	115.58	6.131			
15,800.00	11,030.00	15,174.31	10,388.00	72.25	76.72	25.04	4,764.19	810.63	708.63	591.31	117.32	6.040			
15,900.00	11,030.00	15,274.31	10,388.00	73.64	78.04	25.04	4,864.19	809.93	708.63	589.57	119.06	5.952			
16,000.00	11,030.00	15,374.31	10,388.00	75.03	79.36	25.04	4,964.19	809.23	708.63	587.82	120.80	5.866			
16,100.00	11,030.00	15,474.31	10,388.00	76.43	80.68	25.04	5,064.18	808.52	708.63	586.07	122.55	5.782			
16,200.00	11,030.00	15,574.31	10,388.00	77.82	82.01	25.04	5,164.18	807.82	708.63	584.32	124.31	5.701			
16,300.00	11,030.00	15,674.31	10,388.00	79.22	83.34	25.04	5,264.18	807.11	708.63	582.56	126.06	5.621			
16,400.00	11,030.00	15,774.31	10,388.00	80.62	84.68	25.04	5,364.18	806.41	708.63	580.80	127.82	5.544			
16,500.00	11,030.00	15,874.31	10,388.00	82.02	86.02	25.04	5,464.17	805.71	708.63	579.04	129.59	5.468			
16,600.00	11,030.00	15,974.31	10,388.00	83.42	87.36	25.04	5,564.17	805.00	708.63	577.27	131.35	5.395			
16,700.00	11,030.00	16,074.31	10,388.00	84.83	88.70	25.04	5,664.17	804.30	708.63	575.50	133.12	5.323			
16,800.00	11,030.00	16,174.31	10,388.00	86.23	90.05	25.04	5,764.17	803.59	708.63	573.73	134.89	5.253			
16,900.00	11,030.00	16,274.31	10,388.00	87.64	91.40	25.04	5,864.16	802.89	708.63	571.96	136.67	5.185			
17,000.00	11,030.00	16,374.31	10,388.00	89.05	92.76	25.04	5,964.16	802.19	708.63	570.18	138.45	5.118			
17,100.00	11,030.00	16,474.31	10,388.00	90.46	94.12	25.04	6,064.16	801.48	708.63	568.40	140.23	5.053			
17,200.00	11,030.00	16,574.31	10,388.00	91.87	95.48	25.04	6,164.16	800.78	708.63	566.61	142.01	4.990			
17,300.00	11,030.00	16,674.31	10,388.00	93.28	96.84	25.04	6,264.15	800.07	708.63	564.83	143.80	4.928			
17,400.00	11,030.00	16,774.31	10,388.00	94.69	98.20	25.04	6,364.15	799.37	708.63	563.04	145.58	4.867			
17,500.00	11,030.00	16,874.31	10,388.00	96.11	99.57	25.04	6,464.15	798.66	708.62	561.25	147.37	4.808			
17,600.00	11,030.00	16,974.31	10,388.00	97.52	100.94	25.04	6,564.15	797.96	708.62	559.46	149.17	4.751			
17,700.00	11,030.00	17,074.31	10,388.00	98.94	102.31	25.04	6,664.14	797.26	708.62	557.66	150.96	4.694			
17,800.00	11,030.00	17,174.31	10,388.00	100.35	103.68	25.04	6,764.14	796.55	708.62	555.87	152.76	4.639			
17,900.00	11,030.00	17,274.31	10,388.00	101.77	105.06	25.04	6,864.14	795.85	708.62	554.07	154.56	4.585			
18,000.00	11,030.00	17,374.31	10,388.00	103.19	106.44	25.04	6,964.14	795.14	708.62	552.27	156.36	4.532			
18,100.00	11,030.00	17,474.31	10,388.00	104.61	107.82	25.04	7,064.13	794.44	708.62	550.47	158.16	4.480			
18,200.00	11,030.00	17,574.31	10,388.00	106.03	109.20	25.04	7,164.13	793.74	708.62	548.66	159.96	4.430			
18,300.00	11,030.00	17,674.31	10,388.00	107.45	110.58	25.04	7,264.13	793.03	708.62	546.86	161.77	4.381			
18,400.00	11,030.00	17,774.31	10,388.00	108.87	111.96	25.04	7,364.13	792.33	708.62	545.05	163.57	4.332			
18,500.00	11,030.00	17,874.31	10,388.00	110.29	113.35	25.04	7,464.13	791.62	708.62	543.24	165.38	4.285			
18,600.00	11,030.00	17,974.31	10,388.00	111.71	114.74	25.04	7,564.12	790.92	708.62	541.43	167.19	4.238			
18,700.00	11,030.00	18,074.31	10,388.00	113.14	116.13	25.04	7,664.12	790.22	708.62	539.62	169.01	4.193			
18,800.00	11,030.00	18,174.31	10,388.00	114.56	117.52	25.04	7,764.12	789.51	708.62	537.80	170.82	4.148			
18,900.00	11,030.00	18,274.31	10,388.00	115.99	118.91	25.04	7,864.12	788.81	708.62	535.99	172.63	4.105			
19,000.00	11,030.00	18,374.31	10,388.00	117.41	120.30	25.04	7,964.11	788.10	708.62	534.17	174.45	4.062			
19,100.00	11,030.00	18,474.31	10,388.00	118.84	121.70	25.04	8,064.11	787.40	708.62	532.36	176.27	4.020			

CC - Min centre to center distance or convergent 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 704H
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 704H	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 504H - OH - Plan 1													Offset Site Error: 0.00 usft
Survey Program: 0-MWD+HDGM													Offset Well Error: 0.00 usft
Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre	Rule Assigned:	Distance	Minimum	Separation	Warning				
Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Reference	Offset	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor				
19,200.00	11,030.00	18,574.31	10,388.00	120.26	123.09	25.04	8,164.11	786.69	708.62	530.54	178.08	3.979	
19,300.00	11,030.00	18,674.31	10,388.00	121.69	124.49	25.04	8,264.11	785.99	708.62	528.72	179.90	3.939	
19,400.00	11,030.00	18,774.31	10,388.00	123.12	125.89	25.04	8,364.10	785.29	708.62	526.90	181.73	3.899	
19,500.00	11,030.00	18,874.31	10,388.00	124.54	127.28	25.04	8,464.10	784.58	708.62	525.07	183.55	3.861	
19,600.00	11,030.00	18,974.31	10,388.00	125.97	128.68	25.04	8,564.10	783.88	708.62	523.25	185.37	3.823	
19,700.00	11,030.00	19,074.31	10,388.00	127.40	130.09	25.04	8,664.10	783.17	708.62	521.43	187.19	3.785	
19,800.00	11,030.00	19,174.31	10,388.00	128.83	131.49	25.04	8,764.09	782.47	708.62	519.60	189.02	3.749	
19,900.00	11,030.00	19,274.31	10,388.00	130.26	132.89	25.04	8,864.09	781.77	708.62	517.77	190.85	3.713	
20,000.00	11,030.00	19,374.31	10,388.00	131.69	134.29	25.04	8,964.09	781.06	708.62	515.95	192.67	3.678	
20,100.00	11,030.00	19,474.31	10,388.00	133.12	135.70	25.04	9,064.09	780.36	708.62	514.12	194.50	3.643	
20,200.00	11,030.00	19,574.31	10,388.00	134.55	137.10	25.04	9,164.08	779.65	708.62	512.29	196.33	3.609	
20,300.00	11,030.00	19,674.31	10,388.00	135.98	138.51	25.04	9,264.08	778.95	708.62	510.46	198.16	3.576	
20,400.00	11,030.00	19,774.31	10,388.00	137.41	139.92	25.04	9,364.08	778.25	708.62	508.63	199.99	3.543	
20,500.00	11,030.00	19,874.31	10,388.00	138.84	141.33	25.04	9,464.08	777.54	708.62	506.79	201.82	3.511	
20,600.00	11,030.00	19,974.31	10,388.00	140.27	142.74	25.04	9,564.07	776.84	708.62	504.96	203.66	3.479	
20,700.00	11,030.00	20,074.31	10,388.00	141.71	144.14	25.04	9,664.07	776.13	708.62	503.13	205.49	3.448	
20,800.00	11,030.00	20,174.31	10,388.00	143.14	145.56	25.04	9,764.07	775.43	708.62	501.29	207.32	3.418	
20,900.00	11,030.00	20,274.31	10,388.00	144.57	146.97	25.04	9,864.07	774.73	708.62	499.46	209.16	3.388	
21,000.00	11,030.00	20,374.31	10,388.00	146.00	148.38	25.04	9,964.06	774.02	708.62	497.62	211.00	3.358	
21,100.00	11,030.00	20,474.31	10,388.00	147.44	149.79	25.04	10,064.06	773.32	708.62	495.79	212.83	3.329	
21,200.00	11,030.00	20,574.31	10,388.00	148.87	151.20	25.04	10,164.06	772.61	708.62	493.95	214.67	3.301	
21,269.91	11,030.00	20,644.22	10,388.00	149.87	152.19	25.04	10,233.96	772.12	708.62	492.66	215.95	3.281	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft			
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
0.00	0.00	0.00	0.00	0.00	0.00	-90.36	-0.47	-74.99	74.99							
100.00	100.00	100.00	100.00	0.79	0.79	-90.36	-0.47	-74.99	74.99	73.41	1.58	47.338				
200.00	200.00	200.00	200.00	1.45	1.45	-90.36	-0.47	-74.99	74.99	72.09	2.90	25.866				
300.00	300.00	300.00	300.00	1.89	1.89	-90.36	-0.47	-74.99	74.99	71.20	3.79	19.793				
400.00	400.00	400.00	400.00	2.26	2.26	-90.36	-0.47	-74.99	74.99	70.48	4.51	16.621				
500.00	500.00	500.00	500.00	2.57	2.57	-90.36	-0.47	-74.99	74.99	69.85	5.14	14.591				
600.00	600.00	600.00	600.00	2.85	2.85	-90.36	-0.47	-74.99	74.99	69.29	5.70	13.150				
700.00	700.00	700.00	700.00	3.11	3.11	-90.36	-0.47	-74.99	74.99	68.77	6.22	12.057				
800.00	800.00	800.00	800.00	3.35	3.35	-90.36	-0.47	-74.99	74.99	68.29	6.70	11.191				
900.00	900.00	900.00	900.00	3.58	3.58	-90.36	-0.47	-74.99	74.99	67.84	7.15	10.484				
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-90.36	-0.47	-74.99	74.99	67.41	7.58	9.890				
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	-90.36	-0.47	-74.99	74.99	67.00	7.99	9.384				
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-90.36	-0.47	-74.99	74.99	66.61	8.38	8.944				
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-90.36	-0.47	-74.99	74.99	66.23	8.76	8.558				
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-90.36	-0.47	-74.99	74.99	65.86	9.13	8.216				
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-90.36	-0.47	-74.99	74.99	65.51	9.48	7.909				
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-90.36	-0.47	-74.99	74.99	65.17	9.83	7.632				
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-90.36	-0.47	-74.99	74.99	64.83	10.16	7.381				
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-90.36	-0.47	-74.99	74.99	64.50	10.49	7.151				
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-90.36	-0.47	-74.99	74.99	64.18	10.81	6.939				
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-90.36	-0.47	-74.99	74.99	63.87	11.12	6.744 CC				
2,004.45	2,004.45	2,004.45	2,004.45	5.57	5.57	-90.36	-0.47	-74.99	74.99	63.86	11.13	6.737				
2,100.00	2,100.00	2,099.96	2,099.95	5.71	5.73	-91.36	-1.78	-74.99	75.01	63.61	11.40	6.579				
2,200.00	2,200.00	2,199.79	2,199.70	5.86	5.88	-94.34	-5.69	-74.99	75.21	63.55	11.66	6.452 ES				
2,300.00	2,300.00	2,299.10	2,298.80	6.01	5.99	-99.17	-12.12	-75.03	76.01	64.15	11.86	6.406				
2,400.00	2,399.99	2,397.16	2,396.62	6.18	6.17	176.35	-18.69	-76.62	80.24	68.05	12.19	6.585				
2,500.00	2,499.91	2,494.93	2,494.15	6.35	6.34	173.58	-24.29	-80.52	89.49	77.02	12.47	7.174				
2,600.00	2,599.69	2,594.05	2,593.01	6.53	6.63	171.96	-29.50	-85.63	102.43	89.49	12.94	7.917				
2,700.00	2,699.27	2,692.81	2,691.50	6.74	6.82	170.89	-34.69	-90.72	117.99	104.68	13.31	8.862				
2,800.00	2,798.63	2,791.28	2,789.70	6.93	7.02	160.31	-39.86	-95.79	135.40	121.72	13.68	9.897				
2,900.00	2,897.77	2,889.53	2,887.68	7.15	7.23	153.30	-45.02	-100.86	153.92	139.85	14.07	10.941				
3,000.00	2,996.62	2,987.50	2,985.38	7.38	7.46	148.81	-50.17	-105.91	173.61	159.13	14.47	11.994				
3,100.00	3,095.11	3,085.10	3,082.73	7.64	7.69	146.06	-55.29	-110.94	194.58	179.69	14.90	13.063				
3,200.00	3,193.17	3,182.29	3,179.65	7.91	7.94	144.51	-60.40	-115.95	216.99	201.65	15.33	14.151				
3,244.48	3,236.63	3,225.37	3,222.61	8.01	8.05	144.10	-62.66	-118.17	227.45	211.94	15.51	14.669				
3,300.00	3,290.82	3,279.08	3,276.17	8.14	8.19	145.25	-65.49	-120.93	240.75	225.02	15.73	15.307				
3,400.00	3,388.42	3,375.81	3,372.64	8.44	8.45	147.05	-70.57	-125.92	264.90	248.71	16.19	16.362				
3,500.00	3,486.01	3,472.54	3,469.11	8.75	8.72	148.54	-75.65	-130.91	289.27	272.59	16.67	17.351				
3,600.00	3,583.61	3,569.28	3,565.58	9.08	8.99	149.80	-80.73	-135.89	313.79	296.62	17.17	18.274				
3,700.00	3,681.21	3,666.01	3,662.05	9.42	9.27	150.88	-85.81	-140.88	338.43	320.74	17.69	19.136				
3,800.00	3,778.81	3,762.74	3,758.52	9.78	9.56	151.81	-90.90	-145.86	363.17	344.95	18.21	19.938				
3,900.00	3,876.41	3,859.47	3,854.99	10.14	9.85	152.63	-95.98	-150.85	387.99	369.23	18.76	20.685				
4,000.00	3,974.01	3,956.21	3,951.47	10.51	10.14	153.34	-101.06	-155.83	412.87	393.56	19.31	21.381				
4,100.00	4,071.61	4,052.94	4,047.94	10.89	10.44	153.98	-106.14	-160.82	437.81	417.93	19.88	22.028				
4,200.00	4,169.20	4,149.67	4,144.41	11.28	10.75	154.55	-111.22	-165.81	462.79	442.34	20.45	22.631				
4,300.00	4,266.80	4,246.41	4,240.88	11.68	11.05	155.05	-116.31	-170.79	487.81	466.78	21.03	23.193				
4,400.00	4,364.40	4,343.14	4,337.35	12.08	11.36	155.51	-121.39	-175.78	512.87	491.24	21.62	23.717				
4,500.00	4,462.00	4,439.87	4,433.82	12.49	11.68	155.93	-126.47	-180.76	537.95	515.73	22.22	24.207				
4,600.00	4,559.60	4,536.60	4,530.29	12.90	11.99	156.31	-131.55	-185.75	563.05	540.23	22.83	24.664				
4,700.00	4,657.20	4,633.34	4,626.76	13.32	12.31	156.66	-136.63	-190.73	588.18	564.74	23.44	25.092				
4,800.00	4,754.80	4,730.07	4,723.23	13.74	12.63	156.97	-141.72	-195.72	613.33	589.27	24.06	25.493				
4,900.00	4,852.39	4,826.80	4,819.70	14.16	12.95	157.27	-146.80	-200.71	638.49	613.81	24.68	25.869				

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,949.99	4,923.54	4,916.17	14.59	13.28	157.54	-151.88	-205.69	663.67	638.36	25.31	26.222	
5,018.39	4,967.94	4,941.32	4,933.91	14.66	13.34	157.59	-152.81	-206.61	668.30	642.88	25.42	26.292	
5,100.00	5,047.78	5,020.47	5,012.85	15.02	13.60	157.88	-156.97	-210.69	688.07	662.14	25.93	26.531	
5,200.00	5,146.06	5,117.99	5,110.10	15.45	13.93	158.13	-162.10	-215.71	710.17	683.59	26.57	26.725	
5,300.00	5,244.80	5,216.02	5,207.86	15.87	14.27	158.29	-167.25	-220.77	729.89	702.68	27.21	26.827	
5,400.00	5,343.92	5,314.50	5,306.08	16.28	14.60	158.35	-172.42	-225.84	747.22	719.38	27.83	26.846	
5,500.00	5,443.35	5,413.37	5,404.68	16.67	14.94	158.33	-177.61	-230.94	762.15	733.70	28.45	26.790	
5,600.00	5,543.02	5,512.55	5,503.59	17.04	15.29	158.22	-182.82	-236.05	774.67	745.62	29.05	26.667	
5,700.00	5,642.87	5,611.98	5,602.75	17.38	15.63	158.04	-188.05	-241.17	784.80	755.17	29.63	26.488	
5,800.00	5,742.83	5,711.59	5,702.09	17.67	15.97	157.77	-193.28	-246.31	792.52	762.35	30.16	26.274	
5,857.17	5,800.00	5,775.46	5,765.81	17.74	16.18	-89.99	-196.43	-249.40	795.68	765.27	30.41	26.165	
5,900.00	5,842.83	5,825.55	5,815.82	17.75	16.34	-90.13	-198.39	-251.32	797.33	766.76	30.56	26.087	
6,000.00	5,942.83	5,942.74	5,932.94	17.80	16.66	-90.33	-201.14	-254.02	799.64	768.74	30.90	25.878	
6,100.00	6,042.83	6,052.63	6,042.83	17.84	16.79	-90.36	-201.56	-254.43	800.00	768.92	31.08	25.740	
6,200.00	6,142.83	6,152.63	6,142.83	17.89	16.83	-90.36	-201.56	-254.43	800.00	768.82	31.17	25.663	
6,300.00	6,242.83	6,252.63	6,242.83	17.94	16.87	-90.36	-201.56	-254.43	800.00	768.73	31.27	25.584	
6,400.00	6,342.83	6,352.63	6,342.83	17.98	16.91	-90.36	-201.56	-254.43	800.00	768.63	31.37	25.505	
6,500.00	6,442.83	6,452.63	6,442.83	18.03	16.95	-90.36	-201.56	-254.43	800.00	768.53	31.46	25.425	
6,600.00	6,542.83	6,552.63	6,542.83	18.08	16.99	-90.36	-201.56	-254.43	800.00	768.43	31.56	25.346	
6,700.00	6,642.83	6,652.63	6,642.83	18.13	17.04	-90.36	-201.56	-254.43	800.00	768.33	31.66	25.267	
6,800.00	6,742.83	6,752.63	6,742.83	18.18	17.08	-90.36	-201.56	-254.43	800.00	768.23	31.76	25.188	
6,900.00	6,842.83	6,852.63	6,842.83	18.22	17.12	-90.36	-201.56	-254.43	800.00	768.13	31.86	25.109	
7,000.00	6,942.83	6,952.63	6,942.83	18.27	17.16	-90.36	-201.56	-254.43	800.00	768.03	31.96	25.030	
7,100.00	7,042.83	7,052.63	7,042.83	18.32	17.21	-90.36	-201.56	-254.43	800.00	767.93	32.06	24.951	
7,200.00	7,142.83	7,152.63	7,142.83	18.37	17.25	-90.36	-201.56	-254.43	800.00	767.83	32.16	24.872	
7,300.00	7,242.83	7,252.63	7,242.83	18.42	17.29	-90.36	-201.56	-254.43	800.00	767.73	32.27	24.793	
7,400.00	7,342.83	7,352.63	7,342.83	18.47	17.34	-90.36	-201.56	-254.43	800.00	767.63	32.37	24.715	
7,500.00	7,442.83	7,452.63	7,442.83	18.52	17.38	-90.36	-201.56	-254.43	800.00	767.52	32.47	24.636	
7,600.00	7,542.83	7,552.63	7,542.83	18.57	17.43	-90.36	-201.56	-254.43	800.00	767.42	32.58	24.558	
7,700.00	7,642.83	7,652.63	7,642.83	18.62	17.47	-90.36	-201.56	-254.43	800.00	767.32	32.68	24.480	
7,800.00	7,742.83	7,752.63	7,742.83	18.67	17.52	-90.36	-201.56	-254.43	800.00	767.21	32.78	24.402	
7,900.00	7,842.83	7,852.63	7,842.83	18.72	17.56	-90.36	-201.56	-254.43	800.00	767.11	32.89	24.324	
8,000.00	7,942.83	7,952.63	7,942.83	18.77	17.61	-90.36	-201.56	-254.43	800.00	767.00	32.99	24.246	
8,100.00	8,042.83	8,052.63	8,042.83	18.82	17.65	-90.36	-201.56	-254.43	800.00	766.90	33.10	24.169	
8,200.00	8,142.83	8,152.63	8,142.83	18.88	17.70	-90.36	-201.56	-254.43	800.00	766.79	33.21	24.091	
8,300.00	8,242.83	8,252.63	8,242.83	18.93	17.75	-90.36	-201.56	-254.43	800.00	766.68	33.31	24.014	
8,400.00	8,342.83	8,352.63	8,342.83	18.98	17.79	-90.36	-201.56	-254.43	800.00	766.57	33.42	23.937	
8,500.00	8,442.83	8,452.63	8,442.83	19.03	17.84	-90.36	-201.56	-254.43	800.00	766.47	33.53	23.860	
8,600.00	8,542.83	8,552.63	8,542.83	19.08	17.89	-90.36	-201.56	-254.43	800.00	766.36	33.64	23.783	
8,700.00	8,642.83	8,652.63	8,642.83	19.14	17.94	-90.36	-201.56	-254.43	800.00	766.25	33.75	23.706	
8,800.00	8,742.83	8,752.63	8,742.83	19.19	17.98	-90.36	-201.56	-254.43	800.00	766.14	33.86	23.630	
8,900.00	8,842.83	8,852.63	8,842.83	19.24	18.03	-90.36	-201.56	-254.43	800.00	766.03	33.97	23.554	
9,000.00	8,942.83	8,952.63	8,942.83	19.29	18.08	-90.36	-201.56	-254.43	800.00	765.92	34.08	23.477	
9,100.00	9,042.83	9,052.63	9,042.83	19.35	18.13	-90.36	-201.56	-254.43	800.00	765.81	34.19	23.402	
9,200.00	9,142.83	9,152.63	9,142.83	19.40	18.18	-90.36	-201.56	-254.43	800.00	765.70	34.30	23.326	
9,300.00	9,242.83	9,252.63	9,242.83	19.45	18.23	-90.36	-201.56	-254.43	800.00	765.59	34.41	23.251	
9,400.00	9,342.83	9,352.63	9,342.83	19.51	18.27	-90.36	-201.56	-254.43	800.00	765.48	34.52	23.175	
9,500.00	9,442.83	9,452.63	9,442.83	19.56	18.32	-90.36	-201.56	-254.43	800.00	765.36	34.63	23.100	
9,600.00	9,542.83	9,552.63	9,542.83	19.62	18.37	-90.36	-201.56	-254.43	800.00	765.25	34.74	23.025	
9,700.00	9,642.83	9,652.63	9,642.83	19.67	18.42	-90.36	-201.56	-254.43	800.00	765.14	34.86	22.951	
9,800.00	9,742.83	9,752.63	9,742.83	19.73	18.47	-90.36	-201.56	-254.43	800.00	765.03	34.97	22.876	
9,900.00	9,842.83	9,852.63	9,842.83	19.78	18.52	-90.36	-201.56	-254.43	800.00	764.91	35.08	22.802	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft		
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,000.00	9,942.83	9,952.63	9,942.83	19.84	18.57	-90.36	-201.56	-254.43	800.00	764.80	35.20	22.728			
10,100.00	10,042.83	10,052.63	10,042.83	19.89	18.62	-90.36	-201.56	-254.43	800.00	764.68	35.31	22.655			
10,200.00	10,142.83	10,164.25	10,154.31	19.95	18.66	-90.09	-197.86	-253.97	799.60	764.13	35.47	22.544			
10,300.00	10,242.83	10,280.35	10,267.53	20.00	18.46	-88.33	-173.27	-250.91	797.18	761.77	35.41	22.515			
10,400.00	10,342.83	10,382.98	10,361.67	20.06	18.25	-85.41	-133.07	-245.90	794.21	758.97	35.24	22.535			
10,475.20	10,418.02	10,449.27	10,418.02	20.10	18.12	-82.90	-98.49	-241.59	793.23	758.13	35.09	22.602			
10,500.00	10,442.83	10,469.07	10,434.04	20.11	18.09	-82.06	-86.93	-240.15	793.36	758.31	35.05	22.635			
10,514.22	10,457.04	10,479.98	10,442.68	20.12	18.07	-81.58	-80.33	-239.33	793.57	758.55	35.02	22.660			
10,550.00	10,492.80	10,506.71	10,463.32	20.12	18.02	-79.92	-63.48	-237.23	794.36	759.41	34.95	22.728			
10,600.00	10,542.51	10,543.04	10,490.06	20.09	17.96	-78.20	-39.08	-234.19	795.92	761.06	34.87	22.828			
10,650.00	10,591.56	10,578.37	10,514.52	20.06	17.91	-76.55	-13.79	-231.04	797.91	763.10	34.81	22.921			
10,700.00	10,639.59	10,612.84	10,536.82	20.03	17.86	-74.95	12.29	-227.79	800.21	765.41	34.79	23.001			
10,750.00	10,686.23	10,650.00	10,559.04	19.99	17.82	-73.30	41.83	-224.11	802.71	767.91	34.80	23.069			
10,800.00	10,731.12	10,679.70	10,575.39	19.96	17.80	-71.97	66.43	-221.05	805.29	770.41	34.88	23.087			
10,850.00	10,773.93	10,712.27	10,591.81	19.93	17.78	-70.61	94.34	-217.57	807.86	772.86	34.99	23.085			
10,900.00	10,814.33	10,750.00	10,608.80	19.91	17.77	-69.16	127.76	-213.41	810.33	775.20	35.13	23.067			
10,950.00	10,852.01	10,776.07	10,619.23	19.90	17.78	-68.16	151.47	-210.46	812.53	777.17	35.36	22.977			
11,000.00	10,886.68	10,800.00	10,627.84	19.90	17.78	-67.29	173.62	-207.70	814.50	778.86	35.63	22.858			
11,050.00	10,918.08	10,838.47	10,639.70	19.93	17.81	-66.12	209.93	-203.18	815.97	780.08	35.89	22.733			
11,100.00	10,945.98	10,869.26	10,647.41	19.97	17.84	-65.26	239.51	-199.49	817.03	780.82	36.21	22.562			
11,150.00	10,970.15	10,900.00	10,653.49	20.03	17.88	-64.52	269.41	-195.77	817.56	781.00	36.55	22.365			
11,200.00	10,990.42	10,930.20	10,657.89	20.12	17.93	-63.90	299.05	-192.08	817.49	780.57	36.93	22.138			
11,250.00	11,006.63	10,960.41	10,660.71	20.24	18.00	-63.40	328.90	-188.36	816.79	779.48	37.31	21.891			
11,300.00	11,018.65	10,998.84	10,662.00	20.39	18.09	-62.89	367.00	-183.61	815.48	777.77	37.71	21.624			
11,350.00	11,026.41	11,027.10	10,662.00	20.57	18.19	-62.73	395.06	-180.26	813.17	775.05	38.13	21.329			
11,400.00	11,029.82	11,066.64	10,662.00	20.77	18.33	-62.73	434.38	-176.03	809.64	771.10	38.54	21.007			
11,414.22	11,030.00	11,077.94	10,662.00	20.84	18.37	-62.80	445.62	-174.92	808.39	769.74	38.66	20.913			
11,500.00	11,030.00	11,146.29	10,662.00	21.26	18.66	-62.59	513.72	-169.16	801.43	762.03	39.40	20.343			
11,600.00	11,030.00	11,226.29	10,662.00	21.83	19.06	-62.42	593.58	-164.48	795.62	755.26	40.36	19.715			
11,700.00	11,030.00	11,300.00	10,662.00	22.48	19.50	-62.32	667.26	-162.15	792.32	750.94	41.38	19.146			
11,800.00	11,030.00	11,390.05	10,662.00	23.19	20.11	-62.29	757.30	-161.83	791.41	748.85	42.56	18.594			
11,900.00	11,030.00	11,490.05	10,662.00	23.97	20.89	-62.29	857.30	-162.52	791.40	747.50	43.91	18.024			
12,000.00	11,030.00	11,590.05	10,662.00	24.80	21.75	-62.29	957.30	-163.22	791.40	746.03	45.37	17.445			
12,100.00	11,030.00	11,690.05	10,662.00	25.68	22.69	-62.29	1,057.30	-163.91	791.39	744.46	46.93	16.863			
12,200.00	11,030.00	11,790.05	10,662.00	26.61	23.69	-62.29	1,157.30	-164.61	791.38	742.79	48.59	16.287			
12,300.00	11,030.00	11,890.05	10,662.00	27.58	24.74	-62.29	1,257.29	-165.30	791.38	741.04	50.34	15.722			
12,400.00	11,030.00	11,990.05	10,662.00	28.59	25.83	-62.29	1,357.29	-166.00	791.37	739.21	52.16	15.172			
12,500.00	11,030.00	12,090.05	10,662.00	29.63	26.96	-62.29	1,457.29	-166.70	791.36	737.31	54.05	14.641			
12,600.00	11,030.00	12,190.05	10,662.00	30.71	28.12	-62.29	1,557.29	-167.39	791.36	735.35	56.01	14.129			
12,700.00	11,030.00	12,290.05	10,662.00	31.81	29.31	-62.29	1,657.28	-168.09	791.35	733.33	58.02	13.639			
12,800.00	11,030.00	12,390.05	10,662.00	32.94	30.53	-62.29	1,757.28	-168.78	791.34	731.26	60.08	13.170			
12,900.00	11,030.00	12,490.05	10,662.00	34.10	31.76	-62.29	1,857.28	-169.48	791.33	729.14	62.19	12.724			
13,000.00	11,030.00	12,590.05	10,662.00	35.27	33.02	-62.29	1,957.28	-170.17	791.33	726.98	64.34	12.298			
13,100.00	11,030.00	12,690.05	10,662.00	36.46	34.29	-62.29	2,057.27	-170.87	791.32	724.79	66.53	11.894			
13,200.00	11,030.00	12,790.05	10,662.00	37.67	35.57	-62.29	2,157.27	-171.57	791.31	722.56	68.75	11.509			
13,300.00	11,030.00	12,890.05	10,662.00	38.90	36.87	-62.29	2,257.27	-172.26	791.31	720.30	71.01	11.144			
13,400.00	11,030.00	12,990.05	10,662.00	40.14	38.18	-62.29	2,357.27	-172.96	791.30	718.01	73.29	10.797			
13,500.00	11,030.00	13,090.05	10,662.00	41.40	39.49	-62.29	2,457.26	-173.65	791.29	715.70	75.59	10.468			
13,600.00	11,030.00	13,190.05	10,662.00	42.66	40.82	-62.29	2,557.26	-174.35	791.28	713.36	77.92	10.155			
13,700.00	11,030.00	13,290.05	10,662.00	43.94	42.16	-62.29	2,657.26	-175.04	791.28	711.01	80.27	9.858			
13,800.00	11,030.00	13,390.05	10,662.00	45.23	43.50	-62.28	2,757.26	-175.74	791.27	708.63	82.64	9.575			
13,900.00	11,030.00	13,490.05	10,662.00	46.52	44.85	-62.28	2,857.25	-176.44	791.26	706.24	85.03	9.306			

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,000.00	11,030.00	13,590.05	10,662.00	47.83	46.21	-62.28	2,957.25	-177.13	791.26	703.83	87.43	9.050	
14,100.00	11,030.00	13,690.05	10,662.00	49.14	47.57	-62.28	3,057.25	-177.83	791.25	701.40	89.85	8.807	
14,200.00	11,030.00	13,790.05	10,662.00	50.46	48.93	-62.28	3,157.25	-178.52	791.24	698.97	92.28	8.575	
14,300.00	11,030.00	13,890.05	10,662.00	51.79	50.30	-62.28	3,257.24	-179.22	791.23	696.51	94.72	8.353	
14,400.00	11,030.00	13,990.05	10,662.00	53.12	51.68	-62.28	3,357.24	-179.91	791.23	694.05	97.17	8.142	
14,500.00	11,030.00	14,090.05	10,662.00	54.46	53.06	-62.28	3,457.24	-180.61	791.22	691.58	99.64	7.941	
14,600.00	11,030.00	14,190.05	10,662.00	55.81	54.44	-62.28	3,557.24	-181.30	791.21	689.10	102.12	7.748	
14,700.00	11,030.00	14,290.05	10,662.00	57.16	55.83	-62.28	3,657.23	-182.00	791.21	686.60	104.60	7.564	
14,800.00	11,030.00	14,390.05	10,662.00	58.51	57.22	-62.28	3,757.23	-182.70	791.20	684.10	107.10	7.388	
14,900.00	11,030.00	14,490.05	10,662.00	59.87	58.61	-62.28	3,857.23	-183.39	791.19	681.59	109.60	7.219	
15,000.00	11,030.00	14,590.05	10,662.00	61.23	60.00	-62.28	3,957.23	-184.09	791.18	679.08	112.11	7.057	
15,100.00	11,030.00	14,690.05	10,662.00	62.60	61.40	-62.28	4,057.23	-184.78	791.18	676.55	114.62	6.902	
15,200.00	11,030.00	14,790.05	10,662.00	63.97	62.80	-62.28	4,157.22	-185.48	791.17	674.02	117.15	6.754	
15,300.00	11,030.00	14,890.05	10,662.00	65.34	64.20	-62.28	4,257.22	-186.17	791.16	671.49	119.68	6.611	
15,400.00	11,030.00	14,990.05	10,662.00	66.72	65.60	-62.28	4,357.22	-186.87	791.16	668.95	122.21	6.474	
15,500.00	11,030.00	15,090.05	10,662.00	68.10	67.01	-62.28	4,457.22	-187.57	791.15	666.40	124.75	6.342	
15,600.00	11,030.00	15,190.05	10,662.00	69.48	68.42	-62.28	4,557.21	-188.26	791.14	663.85	127.30	6.215	
15,700.00	11,030.00	15,290.05	10,662.00	70.87	69.83	-62.28	4,657.21	-188.96	791.14	661.29	129.85	6.093	
15,800.00	11,030.00	15,390.05	10,662.00	72.25	71.24	-62.28	4,757.21	-189.65	791.13	658.73	132.40	5.975	
15,900.00	11,030.00	15,490.05	10,662.00	73.64	72.65	-62.28	4,857.21	-190.35	791.12	656.16	134.96	5.862	
16,000.00	11,030.00	15,590.05	10,662.00	75.03	74.06	-62.28	4,957.20	-191.04	791.11	653.59	137.52	5.753	
16,100.00	11,030.00	15,690.05	10,662.00	76.43	75.48	-62.28	5,057.20	-191.74	791.11	651.02	140.09	5.647	
16,200.00	11,030.00	15,790.05	10,662.00	77.82	76.89	-62.28	5,157.20	-192.43	791.10	648.44	142.66	5.545	
16,300.00	11,030.00	15,890.05	10,662.00	79.22	78.31	-62.28	5,257.20	-193.13	791.09	645.86	145.23	5.447	
16,400.00	11,030.00	15,990.05	10,662.00	80.62	79.73	-62.28	5,357.19	-193.83	791.09	643.28	147.81	5.352	
16,500.00	11,030.00	16,090.05	10,662.00	82.02	81.15	-62.28	5,457.19	-194.52	791.08	640.69	150.39	5.260	
16,600.00	11,030.00	16,190.05	10,662.00	83.42	82.57	-62.28	5,557.19	-195.22	791.07	638.10	152.97	5.171	
16,700.00	11,030.00	16,290.05	10,662.00	84.83	83.99	-62.28	5,657.19	-195.91	791.06	635.51	155.56	5.085	
16,800.00	11,030.00	16,390.05	10,662.00	86.23	85.41	-62.28	5,757.18	-196.61	791.06	632.91	158.15	5.002	
16,900.00	11,030.00	16,490.05	10,662.00	87.64	86.83	-62.28	5,857.18	-197.30	791.05	630.31	160.74	4.921	
17,000.00	11,030.00	16,590.05	10,662.00	89.05	88.25	-62.28	5,957.18	-198.00	791.04	627.71	163.33	4.843	
17,100.00	11,030.00	16,690.05	10,662.00	90.46	89.68	-62.28	6,057.18	-198.70	791.04	625.11	165.92	4.767	
17,200.00	11,030.00	16,790.05	10,662.00	91.87	91.10	-62.28	6,157.17	-199.39	791.03	622.51	168.52	4.694	
17,300.00	11,030.00	16,890.05	10,662.00	93.28	92.53	-62.28	6,257.17	-200.09	791.02	619.90	171.12	4.623	
17,400.00	11,030.00	16,990.05	10,662.00	94.69	93.96	-62.28	6,357.17	-200.78	791.01	617.29	173.72	4.553	
17,500.00	11,030.00	17,090.05	10,662.00	96.11	95.38	-62.27	6,457.17	-201.48	791.01	614.68	176.32	4.486	
17,600.00	11,030.00	17,190.05	10,662.00	97.52	96.81	-62.27	6,557.16	-202.17	791.00	612.07	178.93	4.421	
17,700.00	11,030.00	17,290.05	10,662.00	98.94	98.24	-62.27	6,657.16	-202.87	790.99	609.46	181.54	4.357	
17,800.00	11,030.00	17,390.05	10,662.00	100.35	99.67	-62.27	6,757.16	-203.56	790.99	606.84	184.14	4.295	
17,900.00	11,030.00	17,490.05	10,662.00	101.77	101.10	-62.27	6,857.16	-204.26	790.98	604.23	186.75	4.235	
18,000.00	11,030.00	17,590.05	10,662.00	103.19	102.53	-62.27	6,957.15	-204.96	790.97	601.61	189.36	4.177	
18,100.00	11,030.00	17,690.05	10,662.00	104.61	103.96	-62.27	7,057.15	-205.65	790.96	598.99	191.98	4.120	
18,200.00	11,030.00	17,790.05	10,662.00	106.03	105.39	-62.27	7,157.15	-206.35	790.96	596.37	194.59	4.065	
18,300.00	11,030.00	17,890.05	10,662.00	107.45	106.82	-62.27	7,257.15	-207.04	790.95	593.74	197.21	4.011	
18,400.00	11,030.00	17,990.05	10,662.00	108.87	108.25	-62.27	7,357.15	-207.74	790.94	591.12	199.82	3.958	
18,500.00	11,030.00	18,090.05	10,662.00	110.29	109.68	-62.27	7,457.14	-208.43	790.94	588.50	202.44	3.907	
18,600.00	11,030.00	18,190.05	10,662.00	111.71	111.12	-62.27	7,557.14	-209.13	790.93	585.87	205.06	3.857	
18,700.00	11,030.00	18,290.05	10,662.00	113.14	112.55	-62.27	7,657.14	-209.83	790.92	583.24	207.68	3.808	
18,800.00	11,030.00	18,390.05	10,662.00	114.56	113.98	-62.27	7,757.14	-210.52	790.91	580.61	210.30	3.761	
18,900.00	11,030.00	18,490.05	10,662.00	115.99	115.42	-62.27	7,857.13	-211.22	790.91	577.99	212.92	3.715	
19,000.00	11,030.00	18,590.05	10,662.00	117.41	116.85	-62.27	7,957.13	-211.91	790.90	575.36	215.55	3.669	
19,100.00	11,030.00	18,690.05	10,662.00	118.84	118.28	-62.27	8,057.13	-212.61	790.89	572.72	218.17	3.625	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program:		0-MWD+HDGM						Rule Assigned:				Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
19,200.00	11,030.00	18,790.05	10,662.00	120.26	119.72	-62.27	8,157.13	-213.30	790.89	570.09	220.80	3.582			
19,300.00	11,030.00	18,890.05	10,662.00	121.69	121.15	-62.27	8,257.12	-214.00	790.88	567.46	223.42	3.540			
19,400.00	11,030.00	18,990.05	10,662.00	123.12	122.59	-62.27	8,357.12	-214.69	790.87	564.82	226.05	3.499			
19,500.00	11,030.00	19,090.05	10,662.00	124.54	124.02	-62.27	8,457.12	-215.39	790.87	562.19	228.68	3.458			
19,600.00	11,030.00	19,190.05	10,662.00	125.97	125.46	-62.27	8,557.12	-216.09	790.86	559.55	231.30	3.419			
19,700.00	11,030.00	19,290.05	10,662.00	127.40	126.90	-62.27	8,657.11	-216.78	790.85	556.92	233.93	3.381			
19,800.00	11,030.00	19,390.05	10,662.00	128.83	128.33	-62.27	8,757.11	-217.48	790.84	554.28	236.56	3.343			
19,900.00	11,030.00	19,490.05	10,662.00	130.26	129.77	-62.27	8,857.11	-218.17	790.84	551.64	239.19	3.306			
20,000.00	11,030.00	19,590.05	10,662.00	131.69	131.21	-62.27	8,957.11	-218.87	790.83	549.00	241.83	3.270			
20,100.00	11,030.00	19,690.05	10,662.00	133.12	132.64	-62.27	9,057.10	-219.56	790.82	546.37	244.46	3.235			
20,200.00	11,030.00	19,790.05	10,662.00	134.55	134.08	-62.27	9,157.10	-220.26	790.82	543.73	247.09	3.201			
20,300.00	11,030.00	19,890.05	10,662.00	135.98	135.52	-62.27	9,257.10	-220.96	790.81	541.08	249.72	3.167			
20,400.00	11,030.00	19,990.05	10,662.00	137.41	136.95	-62.27	9,357.10	-221.65	790.80	538.44	252.36	3.134			
20,500.00	11,030.00	20,090.05	10,662.00	138.84	138.39	-62.27	9,457.09	-222.35	790.79	535.80	254.99	3.101			
20,600.00	11,030.00	20,190.05	10,662.00	140.27	139.83	-62.27	9,557.09	-223.04	790.79	533.16	257.63	3.069			
20,700.00	11,030.00	20,290.05	10,662.00	141.71	141.27	-62.27	9,657.09	-223.74	790.78	530.52	260.26	3.038			
20,800.00	11,030.00	20,390.05	10,662.00	143.14	142.71	-62.27	9,757.09	-224.43	790.77	527.87	262.90	3.008			
20,900.00	11,030.00	20,490.05	10,662.00	144.57	144.15	-62.27	9,857.08	-225.13	790.77	525.23	265.54	2.978			
21,000.00	11,030.00	20,590.05	10,662.00	146.00	145.58	-62.27	9,957.08	-225.82	790.76	522.58	268.17	2.949			
21,100.00	11,030.00	20,690.05	10,662.00	147.44	147.02	-62.27	10,057.08	-226.52	790.75	519.94	270.81	2.920			
21,200.00	11,030.00	20,790.05	10,662.00	148.87	148.46	-62.26	10,157.08	-227.22	790.74	517.29	273.45	2.892			
21,269.91	11,030.00	20,859.96	10,662.00	149.87	149.34	-62.26	10,226.98	-227.70	790.74	515.59	275.15	2.874 SF			



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft		
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.00	0.00	0.00	0.00	0.00	0.00	-90.36	-0.31	-49.99	49.99						
100.00	100.00	100.00	100.00	0.79	0.79	-90.36	-0.31	-49.99	49.99	48.41	1.58	31.557			
200.00	200.00	200.00	200.00	1.45	1.45	-90.36	-0.31	-49.99	49.99	47.09	2.90	17.243			
300.00	300.00	300.00	300.00	1.89	1.89	-90.36	-0.31	-49.99	49.99	46.20	3.79	13.194			
400.00	400.00	400.00	400.00	2.26	2.26	-90.36	-0.31	-49.99	49.99	45.48	4.51	11.080			
500.00	500.00	500.00	500.00	2.57	2.57	-90.36	-0.31	-49.99	49.99	44.85	5.14	9.727			
600.00	600.00	600.00	600.00	2.85	2.85	-90.36	-0.31	-49.99	49.99	44.29	5.70	8.766			
700.00	700.00	700.00	700.00	3.11	3.11	-90.36	-0.31	-49.99	49.99	43.77	6.22	8.037			
800.00	800.00	800.00	800.00	3.35	3.35	-90.36	-0.31	-49.99	49.99	43.29	6.70	7.460			
900.00	900.00	900.00	900.00	3.58	3.58	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-49.99	49.99	41.61	8.38	5.962			
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-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	-90.36	-0.31	-49.99	49.99	38.87	11.12	4.496			
2,100.00	2,100.00	2,100.74	2,100.73	5.71	5.75	-89.09	0.78	-49.23	49.24	37.80	11.44	4.306			
2,200.00	2,200.00	2,201.34	2,201.25	5.86	5.95	-85.09	4.04	-46.95	47.14	35.40	11.74	4.015			
2,300.00	2,300.00	2,301.66	2,301.35	6.01	6.16	-77.66	9.44	-43.16	44.20	32.17	12.03	3.674			
2,400.00	2,399.99	2,401.67	2,400.93	6.18	6.39	-146.87	16.97	-37.89	42.62	30.29	12.32	3.458 CC			
2,404.45	2,404.44	2,406.14	2,405.38	6.19	6.40	-146.34	17.35	-37.62	42.62	30.28	12.34	3.455			
2,500.00	2,499.91	2,502.45	2,501.17	6.35	6.60	-136.72	24.60	-30.91	43.17	30.54	12.63	3.419			
2,600.00	2,599.69	2,603.45	2,601.63	6.53	6.83	-130.09	30.29	-22.10	44.01	31.07	12.93	3.403			
2,700.00	2,699.27	2,704.58	2,702.12	6.74	7.07	-126.70	34.02	-11.46	44.27	31.04	13.23	3.346			
2,800.00	2,798.63	2,805.74	2,802.49	6.93	7.30	-135.03	35.79	1.00	44.08	30.56	13.52	3.260			
2,900.00	2,897.77	2,906.89	2,902.64	7.15	7.53	-140.82	35.59	15.25	43.90	30.08	13.81	3.178			
3,000.00	2,996.62	3,008.05	3,002.48	7.38	7.76	-144.79	33.42	31.30	43.72	29.60	14.13	3.095			
3,070.04	3,065.64	3,078.82	3,072.12	7.56	7.91	-146.82	30.73	43.58	43.61	29.27	14.34	3.041 ES			
3,100.00	3,095.11	3,108.77	3,101.57	7.64	7.97	-147.55	29.43	48.93	43.73	29.29	14.44	3.029			
3,200.00	3,193.17	3,208.74	3,199.84	7.91	8.23	-149.67	25.08	66.79	45.83	30.98	14.85	3.086			
3,244.48	3,236.63	3,253.19	3,243.52	8.01	8.36	-150.53	23.14	74.73	47.61	32.59	15.02	3.170			
3,300.00	3,290.82	3,308.65	3,298.04	8.14	8.51	-150.13	20.73	84.63	50.15	34.91	15.23	3.292			
3,400.00	3,388.42	3,408.54	3,396.23	8.44	8.81	-149.51	16.38	102.48	54.73	39.03	15.70	3.485			
3,500.00	3,486.01	3,508.43	3,494.42	8.75	9.12	-148.99	12.04	120.32	59.32	43.12	16.20	3.662			
3,600.00	3,583.61	3,608.33	3,592.61	9.08	9.44	-148.54	7.69	138.16	63.91	47.19	16.72	3.823			
3,700.00	3,681.21	3,708.22	3,690.80	9.42	9.78	-148.16	3.34	156.00	68.51	51.25	17.26	3.969			
3,800.00	3,778.81	3,808.11	3,788.99	9.78	10.12	-147.82	-1.01	173.85	73.11	55.28	17.83	4.101			
3,900.00	3,876.41	3,908.01	3,887.18	10.14	10.48	-147.52	-5.35	191.69	77.71	59.30	18.41	4.221			
4,000.00	3,974.01	4,007.90	3,985.37	10.51	10.84	-147.25	-9.70	209.53	82.31	63.30	19.01	4.330			
4,100.00	4,071.61	4,107.79	4,083.56	10.89	11.21	-147.02	-14.05	227.38	86.92	67.29	19.62	4.429			
4,200.00	4,169.20	4,207.69	4,181.75	11.28	11.58	-146.80	-18.40	245.22	91.52	71.27	20.25	4.519			
4,300.00	4,266.80	4,307.58	4,279.95	11.68	11.97	-146.61	-22.74	263.06	96.13	75.23	20.90	4.600			
4,400.00	4,364.40	4,407.47	4,378.14	12.08	12.35	-146.43	-27.09	280.90	100.74	79.19	21.55	4.675			
4,500.00	4,462.00	4,507.37	4,476.33	12.49	12.75	-146.27	-31.44	298.75	105.35	83.13	22.22	4.742			
4,600.00	4,559.60	4,607.26	4,574.52	12.90	13.14	-146.13	-35.79	316.59	109.96	87.07	22.89	4.804			
4,700.00	4,657.20	4,707.15	4,672.71	13.32	13.54	-145.99	-40.13	334.43	114.57	91.00	23.57	4.860			
4,800.00	4,754.80	4,807.05	4,770.90	13.74	13.95	-145.87	-44.48	352.27	119.18	94.91	24.27	4.912			

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)			
4,900.00	4,852.39	4,906.94	4,869.09	14.16	14.36	-145.75	-48.83	370.12	123.79	98.83	24.96	4.959	
5,000.00	4,949.99	5,006.83	4,967.28	14.59	14.77	-145.65	-53.18	387.96	128.40	102.73	25.67	5.002	
5,018.39	4,967.94	5,025.20	4,985.33	14.66	14.85	-145.63	-53.98	391.24	129.25	103.46	25.79	5.011	
5,100.00	5,047.78	5,106.75	5,065.50	15.02	15.19	-145.36	-57.52	405.81	132.30	105.95	26.35	5.022	
5,200.00	5,146.06	5,206.71	5,163.75	15.45	15.60	-144.45	-61.88	423.66	134.10	107.16	26.94	4.978	
5,300.00	5,244.80	5,306.64	5,261.98	15.87	16.02	-142.88	-66.22	441.51	133.83	106.42	27.42	4.882	
5,400.00	5,343.92	5,406.47	5,360.11	16.28	16.44	-140.58	-70.57	459.34	131.63	103.88	27.75	4.743	
5,500.00	5,443.35	5,506.14	5,458.08	16.67	16.87	-137.41	-74.91	477.14	127.71	99.80	27.91	4.575	
5,600.00	5,543.02	5,605.58	5,555.82	17.04	17.29	-133.17	-79.23	494.90	122.39	94.53	27.86	4.393	
5,700.00	5,642.87	5,704.71	5,653.26	17.38	17.72	-127.58	-83.55	512.61	116.17	88.60	27.57	4.213	
5,800.00	5,742.83	5,803.47	5,750.34	17.67	18.14	-120.30	-87.85	530.25	109.81	82.73	27.08	4.055	
5,857.17	5,800.00	5,859.75	5,805.66	17.74	18.39	-2.83	-90.30	540.30	106.52	79.77	26.76	3.981	
5,900.00	5,842.83	5,901.85	5,847.04	17.75	18.57	1.25	-92.13	547.82	104.52	77.95	26.57	3.933	
6,000.00	5,942.83	6,000.14	5,943.66	17.80	18.99	11.20	-96.41	565.38	102.08	75.44	26.65	3.831	
6,024.95	5,967.78	6,024.67	5,967.76	17.81	19.10	13.73	-97.47	569.76	101.98	75.20	26.78	3.808	
6,100.00	6,042.83	6,098.44	6,040.28	17.84	19.42	21.31	-100.68	582.94	102.92	75.43	27.49	3.744	
6,200.00	6,142.83	6,196.73	6,136.90	17.89	19.85	30.96	-104.96	600.49	106.96	77.98	28.98	3.691	
6,300.00	6,242.83	6,295.03	6,233.52	17.94	20.28	39.71	-109.24	618.05	113.86	83.07	30.79	3.698	
6,400.00	6,342.83	6,393.32	6,330.14	17.98	20.71	47.33	-113.52	635.61	123.14	90.54	32.60	3.777	
6,500.00	6,442.83	6,491.62	6,426.76	18.03	21.14	53.81	-117.80	653.16	134.31	100.04	34.27	3.919	
6,600.00	6,542.83	6,589.91	6,523.38	18.08	21.57	59.25	-122.07	670.72	146.94	111.21	35.74	4.112	
6,700.00	6,642.83	6,688.21	6,620.00	18.13	22.01	63.81	-126.35	688.28	160.68	123.68	37.01	4.342	
6,800.00	6,742.83	6,786.51	6,716.62	18.18	22.44	67.65	-130.63	705.84	175.28	137.16	38.12	4.599	
6,900.00	6,842.83	6,884.80	6,813.24	18.22	22.88	70.89	-134.91	723.39	190.53	151.43	39.10	4.873	
7,000.00	6,942.83	6,983.10	6,909.86	18.27	23.31	73.64	-139.19	740.95	206.30	166.32	39.98	5.160	
7,100.00	7,042.83	7,081.39	7,006.48	18.32	23.75	76.00	-143.46	758.51	222.46	181.68	40.78	5.455	
7,200.00	7,142.83	7,179.69	7,103.10	18.37	24.19	78.05	-147.74	776.06	238.95	197.42	41.53	5.754	
7,300.00	7,242.83	7,277.98	7,199.72	18.42	24.63	79.83	-152.02	793.62	255.70	213.47	42.22	6.056	
7,400.00	7,342.83	7,376.28	7,296.34	18.47	25.07	81.39	-156.30	811.18	272.65	229.76	42.89	6.357	
7,500.00	7,442.83	7,474.57	7,392.96	18.52	25.51	82.76	-160.57	828.74	289.78	246.26	43.52	6.658	
7,600.00	7,542.83	7,572.87	7,489.58	18.57	25.95	83.99	-164.85	846.29	307.06	262.92	44.14	6.957	
7,700.00	7,642.83	7,671.17	7,586.20	18.62	26.39	85.08	-169.13	863.85	324.46	279.72	44.73	7.253	
7,800.00	7,742.83	7,769.46	7,682.82	18.67	26.83	86.06	-173.41	881.41	341.96	296.64	45.32	7.546	
7,900.00	7,842.83	7,867.76	7,779.44	18.72	27.27	86.95	-177.69	898.97	359.55	313.66	45.88	7.836	
8,000.00	7,942.83	7,974.40	7,884.45	18.77	27.75	87.77	-182.09	917.04	376.33	329.86	46.47	8.098	
8,100.00	8,042.83	8,083.92	7,992.77	18.82	28.23	88.43	-185.90	932.68	390.50	343.49	47.01	8.307	
8,200.00	8,142.83	8,194.28	8,102.35	18.88	28.69	88.92	-189.00	945.39	401.95	354.46	47.48	8.465	
8,300.00	8,242.83	8,305.31	8,212.93	18.93	29.12	89.27	-191.35	955.05	410.63	362.73	47.90	8.573	
8,400.00	8,342.83	8,416.83	8,324.25	18.98	29.51	89.51	-192.95	961.62	416.50	368.26	48.24	8.634	
8,500.00	8,442.83	8,528.66	8,436.01	19.03	29.82	89.62	-193.78	965.03	419.54	371.08	48.46	8.658	
8,600.00	8,542.83	8,635.48	8,542.83	19.08	29.94	89.64	-193.91	965.55	420.01	371.47	48.54	8.653	
8,700.00	8,642.83	8,735.48	8,642.83	19.14	29.98	89.64	-193.91	965.55	420.01	371.38	48.63	8.636	
8,800.00	8,742.83	8,835.48	8,742.83	19.19	30.01	89.64	-193.91	965.55	420.01	371.30	48.71	8.622	
8,900.00	8,842.83	8,935.48	8,842.83	19.24	30.03	89.64	-193.91	965.55	420.01	371.21	48.79	8.608	
9,000.00	8,942.83	9,035.48	8,942.83	19.29	30.06	89.64	-193.91	965.55	420.01	371.13	48.88	8.593	
9,100.00	9,042.83	9,135.48	9,042.83	19.35	30.09	89.64	-193.91	965.55	420.01	371.05	48.96	8.579	
9,200.00	9,142.83	9,235.48	9,142.83	19.40	30.12	89.64	-193.91	965.55	420.01	370.97	49.04	8.565	
9,300.00	9,242.83	9,335.48	9,242.83	19.45	30.15	89.64	-193.91	965.55	420.01	370.89	49.12	8.550	
9,400.00	9,342.83	9,435.48	9,342.83	19.51	30.17	89.64	-193.91	965.55	420.01	370.80	49.21	8.536	
9,500.00	9,442.83	9,535.48	9,442.83	19.56	30.20	89.64	-193.91	965.55	420.01	370.72	49.29	8.521	
9,600.00	9,542.83	9,635.48	9,542.83	19.62	30.23	89.64	-193.91	965.55	420.01	370.64	49.37	8.507	
9,700.00	9,642.83	9,735.48	9,642.83	19.67	30.26	89.64	-193.91	965.55	420.01	370.55	49.46	8.492	

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,800.00	9,742.83	9,835.48	9,742.83	19.73	30.29	89.64	-193.91	965.55	420.01	370.47	49.54	8.478	
9,900.00	9,842.83	9,935.48	9,842.83	19.78	30.32	89.64	-193.91	965.55	420.01	370.38	49.63	8.463	
10,000.00	9,942.83	10,035.48	9,942.83	19.84	30.35	89.64	-193.91	965.55	420.01	370.30	49.71	8.449	
10,100.00	10,042.83	10,135.48	10,042.83	19.89	30.38	89.64	-193.91	965.55	420.01	370.21	49.79	8.435	
10,110.00	10,052.83	10,145.48	10,052.83	19.90	30.38	89.64	-193.91	965.55	420.01	370.21	49.80	8.434	
10,200.00	10,142.83	10,225.95	10,133.20	19.95	30.40	89.26	-191.12	966.17	420.76	370.78	49.98	8.419	
10,300.00	10,242.83	10,309.27	10,215.21	20.00	30.45	87.38	-177.15	969.25	425.04	374.88	50.16	8.474	
10,400.00	10,342.83	10,386.97	10,289.08	20.06	30.49	84.31	-153.80	974.41	434.32	384.07	50.25	8.643	
10,500.00	10,442.83	10,457.09	10,352.42	20.11	30.54	80.61	-124.52	980.87	450.41	400.17	50.24	8.965	
10,514.22	10,457.04	10,466.39	10,360.53	20.12	30.55	80.06	-120.07	981.85	453.35	403.12	50.22	9.026	
10,550.00	10,492.80	10,489.46	10,380.31	20.12	30.57	78.34	-108.50	984.41	461.32	411.12	50.20	9.189	
10,600.00	10,542.51	10,521.28	10,406.79	20.09	30.59	75.47	-91.27	988.21	473.48	423.27	50.21	9.430	
10,650.00	10,591.56	10,550.00	10,429.82	20.06	30.61	72.86	-74.52	991.91	486.55	436.27	50.28	9.676	
10,700.00	10,639.59	10,583.70	10,455.70	20.03	30.64	70.18	-53.45	996.56	500.24	449.87	50.36	9.932	
10,750.00	10,686.23	10,614.38	10,478.12	19.99	30.67	67.80	-33.01	1,001.07	514.30	463.79	50.51	10.182	
10,800.00	10,731.12	10,650.00	10,502.71	19.96	30.71	65.49	-7.84	1,006.63	528.54	477.87	50.67	10.430	
10,850.00	10,773.93	10,674.89	10,518.91	19.93	30.74	63.64	10.60	1,010.70	542.65	491.71	50.95	10.652	
10,900.00	10,814.33	10,700.00	10,534.41	19.91	30.76	61.92	29.89	1,014.96	556.60	505.36	51.24	10.862	
10,950.00	10,852.01	10,734.44	10,554.24	19.90	30.81	60.28	57.39	1,021.03	570.12	518.58	51.54	11.062	
11,000.00	10,886.68	10,763.94	10,569.84	19.90	30.85	58.90	81.82	1,026.43	583.16	531.28	51.89	11.239	
11,050.00	10,918.08	10,800.00	10,587.14	19.93	30.91	57.70	112.71	1,033.25	595.67	543.42	52.25	11.401	
11,100.00	10,945.98	10,822.47	10,596.90	19.97	30.94	56.71	132.48	1,037.61	607.35	554.69	52.66	11.533	
11,150.00	10,970.15	10,850.00	10,607.77	20.03	30.99	55.87	157.17	1,043.06	618.34	565.26	53.08	11.649	
11,200.00	10,990.42	10,880.57	10,618.39	20.12	31.05	55.23	185.16	1,049.24	628.50	574.98	53.52	11.743	
11,250.00	11,006.63	10,900.00	10,624.34	20.24	31.09	54.62	203.22	1,053.23	637.93	583.97	53.95	11.824	
11,300.00	11,018.65	10,938.42	10,634.25	20.39	31.18	54.40	239.46	1,061.23	646.21	591.77	54.44	11.870	
11,350.00	11,026.41	10,967.30	10,640.05	20.57	31.25	54.21	267.09	1,067.33	653.70	598.79	54.91	11.905	
11,400.00	11,029.82	11,000.00	10,644.89	20.77	31.34	54.25	298.66	1,074.30	660.27	604.87	55.40	11.917	
11,414.22	11,030.00	11,000.00	10,644.89	20.84	31.34	54.11	298.66	1,074.30	661.98	606.49	55.49	11.930	
11,500.00	11,030.00	11,054.38	10,648.82	21.26	31.51	54.99	351.60	1,085.99	674.26	617.96	56.31	11.974	
11,600.00	11,030.00	11,160.95	10,649.00	21.83	31.91	56.08	455.97	1,107.51	691.57	633.94	57.63	12.001	
11,700.00	11,030.00	11,284.83	10,649.00	22.48	32.49	57.04	578.19	1,127.67	705.80	646.70	59.09	11.944	
11,800.00	11,030.00	11,410.34	10,649.00	23.19	33.17	57.73	702.79	1,142.68	716.49	655.92	60.57	11.829	
11,900.00	11,030.00	11,537.02	10,649.00	23.97	33.96	58.18	829.09	1,152.29	723.53	661.47	62.05	11.659	
12,000.00	11,030.00	11,664.39	10,649.00	24.80	34.81	58.38	956.38	1,156.31	726.81	663.29	63.53	11.441	
12,100.00	11,030.00	11,774.49	10,649.00	25.68	35.58	58.40	1,066.48	1,155.93	727.07	662.00	65.07	11.174	
12,200.00	11,030.00	11,874.49	10,649.00	26.61	36.31	58.40	1,166.48	1,155.23	727.08	660.36	66.72	10.897	
12,300.00	11,030.00	11,974.49	10,649.00	27.58	37.09	58.40	1,266.48	1,154.54	727.08	658.65	68.43	10.625	
12,400.00	11,030.00	12,074.49	10,649.00	28.59	37.90	58.40	1,366.48	1,153.84	727.09	656.89	70.20	10.358	
12,500.00	11,030.00	12,174.49	10,649.00	29.63	38.74	58.40	1,466.47	1,153.14	727.10	655.08	72.01	10.097	
12,600.00	11,030.00	12,274.49	10,649.00	30.71	39.62	58.40	1,566.47	1,152.45	727.10	653.23	73.87	9.842	
12,700.00	11,030.00	12,374.49	10,649.00	31.81	40.52	58.40	1,666.47	1,151.75	727.11	651.33	75.78	9.595	
12,800.00	11,030.00	12,474.49	10,649.00	32.94	41.45	58.40	1,766.47	1,151.05	727.11	649.39	77.73	9.355	
12,900.00	11,030.00	12,574.49	10,649.00	34.10	42.41	58.40	1,866.46	1,150.36	727.12	647.41	79.71	9.122	
13,000.00	11,030.00	12,674.49	10,649.00	35.27	43.39	58.40	1,966.46	1,149.66	727.13	645.40	81.73	8.897	
13,100.00	11,030.00	12,774.49	10,649.00	36.46	44.39	58.40	2,066.46	1,148.96	727.13	643.36	83.78	8.679	
13,200.00	11,030.00	12,874.49	10,649.00	37.67	45.42	58.40	2,166.46	1,148.27	727.14	641.28	85.86	8.469	
13,300.00	11,030.00	12,974.49	10,649.00	38.90	46.46	58.40	2,266.46	1,147.57	727.15	639.18	87.96	8.266	
13,400.00	11,030.00	13,074.49	10,649.00	40.14	47.53	58.40	2,366.45	1,146.87	727.15	637.06	90.10	8.071	
13,500.00	11,030.00	13,174.49	10,649.00	41.40	48.61	58.40	2,466.45	1,146.18	727.16	634.91	92.25	7.882	
13,600.00	11,030.00	13,274.49	10,649.00	42.66	49.71	58.40	2,566.45	1,145.48	727.16	632.73	94.43	7.701	
13,700.00	11,030.00	13,374.49	10,649.00	43.94	50.82	58.40	2,666.45	1,144.79	727.17	630.54	96.63	7.525	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: 0-MWD+HDGM										Onset Site Error: 0.00 usft			
Reference Offset				Rule Assigned:					Offset Well Error: 0.00 usft				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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
13,800.00	11,030.00	13,474.49	10,649.00	45.23	51.95	58.40	2,766.44	1,144.09	727.18	628.33	98.85	7.357	
13,900.00	11,030.00	13,574.49	10,649.00	46.52	53.09	58.40	2,866.44	1,143.39	727.18	626.10	101.08	7.194	
14,000.00	11,030.00	13,674.49	10,649.00	47.83	54.25	58.40	2,966.44	1,142.70	727.19	623.85	103.33	7.037	
14,100.00	11,030.00	13,774.49	10,649.00	49.14	55.42	58.40	3,066.44	1,142.00	727.19	621.59	105.60	6.886	
14,200.00	11,030.00	13,874.49	10,649.00	50.46	56.60	58.40	3,166.43	1,141.30	727.20	619.31	107.89	6.740	
14,300.00	11,030.00	13,974.49	10,649.00	51.79	57.79	58.40	3,266.43	1,140.61	727.21	617.02	110.18	6.600	
14,400.00	11,030.00	14,074.49	10,649.00	53.12	59.00	58.40	3,366.43	1,139.91	727.21	614.72	112.49	6.464	
14,500.00	11,030.00	14,174.49	10,649.00	54.46	60.21	58.40	3,466.43	1,139.21	727.22	612.40	114.82	6.334	
14,600.00	11,030.00	14,274.49	10,649.00	55.81	61.43	58.40	3,566.42	1,138.52	727.22	610.07	117.15	6.208	
14,700.00	11,030.00	14,374.49	10,649.00	57.16	62.66	58.41	3,666.42	1,137.82	727.23	607.73	119.50	6.086	
14,800.00	11,030.00	14,474.49	10,649.00	58.51	63.90	58.41	3,766.42	1,137.12	727.24	605.39	121.85	5.968	
14,900.00	11,030.00	14,574.49	10,649.00	59.87	65.15	58.41	3,866.42	1,136.43	727.24	603.03	124.22	5.855	
15,000.00	11,030.00	14,674.49	10,649.00	61.23	66.41	58.41	3,966.41	1,135.73	727.25	600.66	126.59	5.745	
15,100.00	11,030.00	14,774.49	10,649.00	62.60	67.67	58.41	4,066.41	1,135.03	727.25	598.28	128.97	5.639	
15,200.00	11,030.00	14,874.49	10,649.00	63.97	68.94	58.41	4,166.41	1,134.34	727.26	595.90	131.36	5.536	
15,300.00	11,030.00	14,974.49	10,649.00	65.34	70.21	58.41	4,266.41	1,133.64	727.27	593.51	133.76	5.437	
15,400.00	11,030.00	15,074.49	10,649.00	66.72	71.50	58.41	4,366.40	1,132.94	727.27	591.11	136.17	5.341	
15,500.00	11,030.00	15,174.49	10,649.00	68.10	72.79	58.41	4,466.40	1,132.25	727.28	588.70	138.58	5.248	
15,600.00	11,030.00	15,274.49	10,649.00	69.48	74.08	58.41	4,566.40	1,131.55	727.29	586.29	141.00	5.158	
15,700.00	11,030.00	15,374.49	10,649.00	70.87	75.38	58.41	4,666.40	1,130.86	727.29	583.87	143.43	5.071	
15,800.00	11,030.00	15,474.49	10,649.00	72.25	76.68	58.41	4,766.39	1,130.16	727.30	581.44	145.86	4.986	
15,900.00	11,030.00	15,574.49	10,649.00	73.64	77.99	58.41	4,866.39	1,129.46	727.30	579.01	148.29	4.904	
16,000.00	11,030.00	15,674.49	10,649.00	75.03	79.31	58.41	4,966.39	1,128.77	727.31	576.57	150.74	4.825	
16,100.00	11,030.00	15,774.49	10,649.00	76.43	80.62	58.41	5,066.39	1,128.07	727.32	574.13	153.18	4.748	
16,200.00	11,030.00	15,874.49	10,649.00	77.82	81.95	58.41	5,166.38	1,127.37	727.32	571.68	155.64	4.673	
16,300.00	11,030.00	15,974.49	10,649.00	79.22	83.27	58.41	5,266.38	1,126.68	727.33	569.23	158.09	4.601	
16,400.00	11,030.00	16,074.49	10,649.00	80.62	84.60	58.41	5,366.38	1,125.98	727.33	566.78	160.56	4.530	
16,500.00	11,030.00	16,174.49	10,649.00	82.02	85.94	58.41	5,466.38	1,125.28	727.34	564.32	163.02	4.462	
16,600.00	11,030.00	16,274.49	10,649.00	83.42	87.28	58.41	5,566.38	1,124.59	727.35	561.85	165.49	4.395	
16,700.00	11,030.00	16,374.49	10,649.00	84.83	88.62	58.41	5,666.37	1,123.89	727.35	559.39	167.97	4.330	
16,800.00	11,030.00	16,474.49	10,649.00	86.23	89.96	58.41	5,766.37	1,123.19	727.36	556.91	170.44	4.267	
16,900.00	11,030.00	16,574.49	10,649.00	87.64	91.31	58.41	5,866.37	1,122.50	727.36	554.44	172.93	4.206	
17,000.00	11,030.00	16,674.49	10,649.00	89.05	92.66	58.41	5,966.37	1,121.80	727.37	551.96	175.41	4.147	
17,100.00	11,030.00	16,774.49	10,649.00	90.46	94.01	58.41	6,066.36	1,121.10	727.38	549.48	177.90	4.089	
17,200.00	11,030.00	16,874.49	10,649.00	91.87	95.37	58.41	6,166.36	1,120.41	727.38	546.99	180.39	4.032	
17,300.00	11,030.00	16,974.49	10,649.00	93.28	96.72	58.41	6,266.36	1,119.71	727.39	544.50	182.88	3.977	
17,400.00	11,030.00	17,074.49	10,649.00	94.69	98.08	58.41	6,366.36	1,119.02	727.39	542.01	185.38	3.924	
17,500.00	11,030.00	17,174.49	10,649.00	96.11	99.45	58.41	6,466.35	1,118.32	727.40	539.52	187.88	3.872	
17,600.00	11,030.00	17,274.49	10,649.00	97.52	100.81	58.41	6,566.35	1,117.62	727.41	537.02	190.38	3.821	
17,700.00	11,030.00	17,374.49	10,649.00	98.94	102.18	58.41	6,666.35	1,116.93	727.41	534.52	192.89	3.771	
17,800.00	11,030.00	17,474.49	10,649.00	100.35	103.55	58.41	6,766.35	1,116.23	727.42	532.02	195.40	3.723	
17,900.00	11,030.00	17,574.49	10,649.00	101.77	104.92	58.41	6,866.34	1,115.53	727.43	529.52	197.91	3.676	
18,000.00	11,030.00	17,674.49	10,649.00	103.19	106.30	58.42	6,966.34	1,114.84	727.43	527.01	200.42	3.630	
18,100.00	11,030.00	17,774.49	10,649.00	104.61	107.67	58.42	7,066.34	1,114.14	727.44	524.50	202.93	3.585	
18,200.00	11,030.00	17,874.49	10,649.00	106.03	109.05	58.42	7,166.34	1,113.44	727.44	521.99	205.45	3.541	
18,300.00	11,030.00	17,974.49	10,649.00	107.45	110.43	58.42	7,266.33	1,112.75	727.45	519.48	207.97	3.498	
18,400.00	11,030.00	18,074.49	10,649.00	108.87	111.81	58.42	7,366.33	1,112.05	727.46	516.96	210.49	3.456	
18,500.00	11,030.00	18,174.49	10,649.00	110.29	113.19	58.42	7,466.33	1,111.35	727.46	514.45	213.01	3.415	
18,600.00	11,030.00	18,274.49	10,649.00	111.71	114.57	58.42	7,566.33	1,110.66	727.47	511.93	215.54	3.375	
18,700.00	11,030.00	18,374.49	10,649.00	113.14	115.96	58.42	7,666.32	1,109.96	727.47	509.41	218.06	3.336	
18,800.00	11,030.00	18,474.49	10,649.00	114.56	117.35	58.42	7,766.32	1,109.26	727.48	506.89	220.59	3.298	
18,900.00	11,030.00	18,574.49	10,649.00	115.99	118.74	58.42	7,866.32	1,108.57	727.49	504.36	223.12	3.260	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program:		0-MWD+HDGM						Rule Assigned:				Offset Well Error:	
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Separation		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
19,000.00	11,030.00	18,674.49	10,649.00	117.41	120.13	58.42	7,966.32	1,107.87	727.49	501.84	225.65	3.224	
19,100.00	11,030.00	18,774.49	10,649.00	118.84	121.52	58.42	8,066.31	1,107.18	727.50	499.31	228.19	3.188	
19,200.00	11,030.00	18,874.49	10,649.00	120.26	122.91	58.42	8,166.31	1,106.48	727.50	496.78	230.72	3.153	
19,300.00	11,030.00	18,974.49	10,649.00	121.69	124.30	58.42	8,266.31	1,105.78	727.51	494.25	233.26	3.119	
19,400.00	11,030.00	19,074.49	10,649.00	123.12	125.70	58.42	8,366.31	1,105.09	727.52	491.72	235.79	3.085	
19,500.00	11,030.00	19,174.49	10,649.00	124.54	127.09	58.42	8,466.30	1,104.39	727.52	489.19	238.33	3.053	
19,600.00	11,030.00	19,274.49	10,649.00	125.97	128.49	58.42	8,566.30	1,103.69	727.53	486.66	240.87	3.020	
19,700.00	11,030.00	19,374.49	10,649.00	127.40	129.89	58.42	8,666.30	1,103.00	727.53	484.12	243.41	2.989	
19,800.00	11,030.00	19,474.49	10,649.00	128.83	131.29	58.42	8,766.30	1,102.30	727.54	481.59	245.96	2.958	
19,900.00	11,030.00	19,574.49	10,649.00	130.26	132.69	58.42	8,866.30	1,101.60	727.55	479.05	248.50	2.928	
20,000.00	11,030.00	19,674.49	10,649.00	131.69	134.09	58.42	8,966.29	1,100.91	727.55	476.51	251.04	2.898	
20,100.00	11,030.00	19,774.49	10,649.00	133.12	135.49	58.42	9,066.29	1,100.21	727.56	473.97	253.59	2.869	
20,200.00	11,030.00	19,874.49	10,649.00	134.55	136.90	58.42	9,166.29	1,099.51	727.57	471.43	256.14	2.841	
20,300.00	11,030.00	19,974.49	10,649.00	135.98	138.30	58.42	9,266.29	1,098.82	727.57	468.89	258.69	2.813	
20,400.00	11,030.00	20,074.49	10,649.00	137.41	139.70	58.42	9,366.28	1,098.12	727.58	466.34	261.23	2.785	
20,500.00	11,030.00	20,174.49	10,649.00	138.84	141.11	58.42	9,466.28	1,097.42	727.58	463.80	263.79	2.758	
20,600.00	11,030.00	20,274.49	10,649.00	140.27	142.52	58.42	9,566.28	1,096.73	727.59	461.25	266.34	2.732	
20,700.00	11,030.00	20,374.49	10,649.00	141.71	143.92	58.42	9,666.28	1,096.03	727.60	458.71	268.89	2.706	
20,800.00	11,030.00	20,474.49	10,649.00	143.14	145.33	58.42	9,766.27	1,095.34	727.60	456.16	271.44	2.681	
20,900.00	11,030.00	20,574.49	10,649.00	144.57	146.74	58.42	9,866.27	1,094.64	727.61	453.61	274.00	2.656	
21,000.00	11,030.00	20,674.49	10,649.00	146.00	148.15	58.42	9,966.27	1,093.94	727.61	451.06	276.55	2.631	
21,100.00	11,030.00	20,774.49	10,649.00	147.44	149.56	58.42	10,066.27	1,093.25	727.62	448.51	279.11	2.607	
21,200.00	11,030.00	20,874.49	10,649.00	148.87	150.97	58.42	10,166.26	1,092.55	727.63	445.96	281.66	2.583	
21,269.91	11,030.00	20,944.40	10,649.00	149.87	151.90	58.42	10,236.17	1,092.06	727.63	444.30	283.33	2.568 SF	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft			
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	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				
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	-90.34	-0.15	-25.00	25.00	13.57	11.43	2.188				
2,200.00	2,200.00	2,200.00	2,200.00	5.86	5.86	-90.34	-0.15	-25.00	25.00	13.27	11.73	2.132				
2,300.00	2,300.00	2,300.00	2,300.00	6.01	6.01	-90.34	-0.15	-25.00	25.00	12.98	12.02	2.080	CC, ES, SF			
2,400.00	2,399.99	2,399.47	2,399.46	6.18	6.17	-172.72	-1.07	-25.92	27.24	14.91	12.33	2.209				
2,500.00	2,499.91	2,498.58	2,498.49	6.35	6.31	-177.92	-3.80	-28.65	34.16	21.53	12.63	2.705				
2,600.00	2,599.69	2,596.96	2,596.66	6.53	6.48	176.95	-8.31	-33.16	46.04	33.09	12.95	3.555				
2,700.00	2,699.27	2,694.34	2,693.67	6.74	6.57	173.55	-14.01	-39.49	62.88	49.65	13.23	4.753				
2,800.00	2,798.63	2,790.71	2,789.53	6.93	6.74	163.07	-18.91	-47.98	83.66	70.09	13.57	6.167				
2,900.00	2,897.77	2,885.85	2,883.99	7.15	6.94	157.27	-22.86	-58.56	107.62	93.68	13.94	7.720				
3,000.00	2,996.62	2,981.21	2,978.50	7.38	7.13	154.07	-26.12	-70.89	134.54	120.20	14.34	9.384				
3,100.00	3,095.11	3,076.78	3,073.20	7.64	7.35	152.12	-29.34	-83.37	163.20	148.40	14.80	11.030				
3,200.00	3,193.17	3,171.76	3,167.31	7.91	7.59	150.95	-32.53	-95.77	193.57	178.29	15.28	12.665				
3,244.48	3,236.63	3,213.80	3,208.96	8.01	7.70	150.61	-33.95	-101.26	207.66	192.18	15.48	13.413				
3,300.00	3,290.82	3,266.18	3,260.87	8.14	7.84	151.83	-35.71	-108.10	225.51	209.77	15.74	14.326				
3,400.00	3,388.42	3,360.54	3,354.37	8.44	8.10	153.61	-38.88	-120.42	257.86	241.59	16.27	15.848				
3,500.00	3,486.01	3,454.90	3,447.86	8.75	8.38	155.00	-42.06	-132.74	290.37	273.55	16.83	17.257				
3,600.00	3,583.61	3,549.26	3,541.36	9.08	8.66	156.10	-45.23	-145.06	323.01	305.61	17.41	18.558				
3,700.00	3,681.21	3,643.61	3,634.85	9.42	8.95	157.00	-48.40	-157.38	355.74	337.73	18.01	19.756				
3,800.00	3,778.81	3,737.97	3,728.35	9.78	9.26	157.75	-51.58	-169.70	388.53	369.91	18.63	20.859				
3,900.00	3,876.41	3,832.33	3,821.85	10.14	9.57	158.39	-54.75	-182.02	421.38	402.11	19.26	21.874				
4,000.00	3,974.01	3,926.69	3,915.34	10.51	9.89	158.93	-57.92	-194.35	454.26	434.34	19.92	22.808				
4,100.00	4,071.61	4,021.04	4,008.84	10.89	10.21	159.40	-61.10	-206.67	487.18	466.59	20.58	23.668				
4,200.00	4,169.20	4,115.40	4,102.33	11.28	10.54	159.81	-64.27	-218.99	520.12	498.85	21.26	24.460				
4,300.00	4,266.80	4,209.76	4,195.83	11.68	10.87	160.17	-67.44	-231.31	553.08	531.12	21.96	25.191				
4,400.00	4,364.40	4,304.12	4,289.33	12.08	11.21	160.49	-70.62	-243.63	586.05	563.40	22.66	25.865				
4,500.00	4,462.00	4,398.47	4,382.82	12.49	11.56	160.78	-73.79	-255.95	619.05	595.68	23.37	26.489				
4,600.00	4,559.60	4,492.83	4,476.32	12.90	11.91	161.04	-76.96	-268.27	652.05	627.96	24.09	27.066				
4,700.00	4,657.20	4,587.19	4,569.81	13.32	12.26	161.27	-80.14	-280.59	685.07	660.25	24.82	27.602				
4,800.00	4,754.80	4,681.55	4,663.31	13.74	12.61	161.48	-83.31	-292.91	718.09	692.54	25.56	28.099				
4,900.00	4,852.39	4,775.91	4,756.81	14.16	12.97	161.67	-86.49	-305.23	751.13	724.83	26.30	28.561				
5,000.00	4,949.99	4,870.26	4,850.30	14.59	13.33	161.85	-89.66	-317.55	784.17	757.12	27.05	28.992				

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program:		0-MWD+HDGM										Offset Site Error:		0.00 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error:		0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning			
5,018.39	4,967.94	4,887.61	4,867.49	14.66	13.40	161.88	-90.24	-319.82	790.24	763.06	27.18	29.075				
5,100.00	5,047.78	4,964.89	4,944.07	15.02	13.70	162.12	-92.84	-329.91	816.43	788.63	27.80	29.373				
5,200.00	5,146.06	5,060.30	5,038.60	15.45	14.06	162.34	-96.05	-342.37	846.37	817.81	28.56	29.637				
5,300.00	5,244.80	5,156.43	5,133.85	15.87	14.44	162.49	-99.28	-354.92	873.91	844.60	29.32	29.810				
5,400.00	5,343.92	5,253.21	5,229.75	16.28	14.82	162.57	-102.54	-367.56	899.05	868.98	30.07	29.900				
5,500.00	5,443.35	5,350.59	5,326.24	16.67	15.20	162.58	-105.81	-380.27	921.77	890.96	30.81	29.917				
5,600.00	5,543.02	5,448.48	5,423.24	17.04	15.59	162.55	-109.11	-393.06	942.05	910.51	31.54	29.870				
5,700.00	5,642.87	5,546.84	5,520.70	17.38	15.98	162.46	-112.41	-405.90	959.88	927.64	32.24	29.771				
5,800.00	5,742.83	5,645.58	5,618.54	17.67	16.38	162.31	-115.74	-418.79	975.27	942.36	32.91	29.637				
5,857.17	5,800.00	5,702.18	5,674.62	17.74	16.60	-85.36	-117.64	-426.18	982.96	949.76	33.20	29.608				
5,900.00	5,842.83	5,744.62	5,716.67	17.75	16.77	-85.47	-119.07	-431.72	988.42	955.05	33.38	29.615				



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	0.00	0.00	0.00	89.64	0.94	149.97	149.97				
100.00	100.00	100.00	100.00	0.79	0.79	89.64	0.94	149.97	149.97	148.39	1.58	94.670	
200.00	200.00	200.00	200.00	1.45	1.45	89.64	0.94	149.97	149.97	147.07	2.90	51.728	
300.00	300.00	300.00	300.00	1.89	1.89	89.64	0.94	149.97	149.97	146.18	3.79	39.583	
400.00	400.00	400.00	400.00	2.26	2.26	89.64	0.94	149.97	149.97	145.46	4.51	33.239	
500.00	500.00	500.00	500.00	2.57	2.57	89.64	0.94	149.97	149.97	144.83	5.14	29.181	
600.00	600.00	600.00	600.00	2.85	2.85	89.64	0.94	149.97	149.97	144.27	5.70	26.298	
700.00	700.00	700.00	700.00	3.11	3.11	89.64	0.94	149.97	149.97	143.75	6.22	24.112	
800.00	800.00	800.00	800.00	3.35	3.35	89.64	0.94	149.97	149.97	143.27	6.70	22.381	
900.00	900.00	900.00	900.00	3.58	3.58	89.64	0.94	149.97	149.97	142.82	7.15	20.966	
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	0.94	149.97	149.97	142.39	7.58	19.779	
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	0.94	149.97	149.97	141.98	7.99	18.766	
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	0.94	149.97	149.97	141.59	8.38	17.887	
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	0.94	149.97	149.97	141.21	8.76	17.116	
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	0.94	149.97	149.97	140.85	9.13	16.431	
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	0.94	149.97	149.97	140.49	9.48	15.817	
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	0.94	149.97	149.97	140.15	9.83	15.264	
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	0.94	149.97	149.97	139.81	10.16	14.760	
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	0.94	149.97	149.97	139.49	10.49	14.300	
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	0.94	149.97	149.97	139.17	10.81	13.878	
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	0.94	149.97	149.97	138.85	11.12	13.488	
2,100.00	2,100.00	2,100.69	2,100.68	5.71	5.73	90.14	-0.37	149.74	149.74	138.34	11.40	13.131	
2,200.00	2,200.00	2,201.24	2,201.14	5.86	5.88	91.64	-4.28	149.05	149.12	137.46	11.66	12.790	
2,300.00	2,300.00	2,301.51	2,301.19	6.01	6.06	94.17	-10.77	147.90	148.30	136.39	11.91	12.453	
2,400.00	2,399.99	2,401.17	2,400.52	6.18	6.20	17.50	-18.87	146.48	146.44	134.28	12.16	12.039	
2,500.00	2,499.91	2,500.64	2,499.64	6.35	6.38	21.30	-26.98	145.05	142.64	130.21	12.43	11.474	
2,600.00	2,599.69	2,599.89	2,598.56	6.53	6.57	25.76	-35.08	143.62	137.15	124.43	12.71	10.788	
2,700.00	2,699.27	2,698.87	2,697.20	6.74	6.78	31.13	-43.15	142.20	130.29	117.29	13.01	10.016	
2,800.00	2,798.63	2,800.32	2,798.32	6.93	7.00	27.09	-50.94	139.96	121.53	108.23	13.31	9.134	
2,900.00	2,897.77	2,901.71	2,899.40	7.15	7.24	26.37	-57.35	135.46	109.18	95.53	13.65	7.998	
3,000.00	2,996.62	3,000.72	2,998.08	7.38	7.40	29.19	-62.43	129.15	93.86	79.94	13.92	6.741	
3,100.00	3,095.11	3,098.01	3,095.03	7.64	7.63	36.44	-67.26	122.71	78.42	64.12	14.30	5.484	
3,200.00	3,193.17	3,194.83	3,191.53	7.91	7.86	49.96	-72.08	116.30	65.17	50.41	14.77	4.413	
3,244.48	3,236.63	3,237.74	3,234.29	8.01	7.97	58.45	-74.21	113.46	60.98	45.98	15.00	4.066	
3,300.00	3,290.82	3,291.23	3,287.59	8.14	8.11	72.07	-76.87	109.92	58.46	43.13	15.34	3.812	
3,309.92	3,300.50	3,300.79	3,297.12	8.17	8.13	74.58	-77.34	109.29	58.40	42.99	15.41	3.791 CC, ES	
3,400.00	3,388.42	3,387.57	3,383.61	8.44	8.36	96.29	-81.66	103.54	63.19	47.15	16.04	3.939	
3,500.00	3,486.01	3,483.92	3,479.62	8.75	8.63	114.62	-86.45	97.16	77.49	60.84	16.65	4.655	
3,600.00	3,583.61	3,580.26	3,575.63	9.08	8.90	126.63	-91.24	90.78	97.22	80.05	17.17	5.663	
3,700.00	3,681.21	3,676.61	3,671.64	9.42	9.18	134.47	-96.03	84.40	119.72	102.05	17.67	6.776	
3,800.00	3,778.81	3,772.95	3,767.66	9.78	9.46	139.80	-100.82	78.03	143.71	125.53	18.18	7.903	
3,900.00	3,876.41	3,869.29	3,863.67	10.14	9.75	143.61	-105.61	71.65	168.54	149.83	18.71	9.006	
4,000.00	3,974.01	3,965.64	3,959.68	10.51	10.05	146.43	-110.40	65.27	193.90	174.64	19.26	10.066	
4,100.00	4,071.61	4,061.98	4,055.70	10.89	10.35	148.61	-115.19	58.89	219.60	199.77	19.83	11.077	
4,200.00	4,169.20	4,158.32	4,151.71	11.28	10.65	150.32	-119.98	52.51	245.53	225.13	20.40	12.034	
4,300.00	4,266.80	4,254.67	4,247.72	11.68	10.96	151.71	-124.77	46.13	271.63	250.63	20.99	12.939	
4,400.00	4,364.40	4,351.01	4,343.74	12.08	11.27	152.86	-129.56	39.75	297.85	276.26	21.60	13.793	
4,500.00	4,462.00	4,447.36	4,439.75	12.49	11.59	153.82	-134.35	33.38	324.17	301.96	22.21	14.598	
4,600.00	4,559.60	4,543.70	4,535.76	12.90	11.91	154.64	-139.14	27.00	350.56	327.73	22.83	15.357	
4,700.00	4,657.20	4,640.04	4,631.77	13.32	12.23	155.34	-143.93	20.62	377.00	353.54	23.46	16.072	
4,800.00	4,754.80	4,736.39	4,727.79	13.74	12.55	155.95	-148.72	14.24	403.49	379.40	24.09	16.747	
4,900.00	4,852.39	4,832.73	4,823.80	14.16	12.88	156.49	-153.51	7.86	430.02	405.28	24.74	17.384	

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,000.00	4,949.99	4,929.07	4,919.81	14.59	13.21	156.96	-158.30	1.48	456.58	431.19	25.39	17.985	
5,018.39	4,967.94	4,946.79	4,937.46	14.66	13.27	157.04	-159.18	0.31	461.47	435.97	25.50	18.097	
5,100.00	5,047.78	5,025.64	5,016.04	15.02	13.54	157.47	-163.10	-4.91	482.39	456.35	26.04	18.528	
5,200.00	5,146.06	5,122.81	5,112.88	15.45	13.88	157.83	-167.94	-11.34	505.91	479.20	26.70	18.947	
5,300.00	5,244.80	5,220.54	5,210.28	15.87	14.22	158.05	-172.79	-17.81	527.07	499.70	27.36	19.261	
5,400.00	5,343.92	5,318.76	5,308.16	16.28	14.56	158.15	-177.68	-24.32	545.85	517.82	28.02	19.478	
5,500.00	5,443.35	5,417.40	5,406.46	16.67	14.91	158.13	-182.58	-30.85	562.24	533.56	28.67	19.608	
5,600.00	5,543.02	5,516.39	5,505.11	17.04	15.26	158.00	-187.50	-37.40	576.23	546.92	29.31	19.660	
5,700.00	5,642.87	5,615.71	5,604.09	17.38	15.60	157.77	-192.44	-43.98	587.83	557.91	29.92	19.647	
5,800.00	5,742.83	5,729.43	5,717.54	17.67	16.00	157.48	-197.08	-50.15	595.84	565.24	30.60	19.474	
5,857.17	5,800.00	5,794.71	5,782.76	17.74	16.21	-90.22	-198.82	-52.47	598.27	567.39	30.88	19.376	
5,900.00	5,842.83	5,843.68	5,831.71	17.75	16.35	-90.30	-199.69	-53.62	599.29	568.26	31.02	19.318	
6,000.00	5,942.83	5,954.81	5,942.83	17.80	16.54	-90.36	-200.30	-54.44	600.00	568.74	31.26	19.194	
6,100.00	6,042.83	6,054.81	6,042.83	17.84	16.57	-90.36	-200.30	-54.44	600.00	568.66	31.35	19.141	
6,200.00	6,142.83	6,154.81	6,142.83	17.89	16.62	-90.36	-200.30	-54.44	600.00	568.56	31.44	19.082	
6,300.00	6,242.83	6,254.81	6,242.83	17.94	16.66	-90.36	-200.30	-54.44	600.00	568.46	31.54	19.023	
6,400.00	6,342.83	6,354.81	6,342.83	17.98	16.70	-90.36	-200.30	-54.44	600.00	568.36	31.64	18.964	
6,500.00	6,442.83	6,454.81	6,442.83	18.03	16.74	-90.36	-200.30	-54.44	600.00	568.27	31.74	18.906	
6,600.00	6,542.83	6,554.81	6,542.83	18.08	16.79	-90.36	-200.30	-54.44	600.00	568.17	31.84	18.847	
6,700.00	6,642.83	6,654.81	6,642.83	18.13	16.83	-90.36	-200.30	-54.44	600.00	568.07	31.94	18.788	
6,800.00	6,742.83	6,754.81	6,742.83	18.18	16.88	-90.36	-200.30	-54.44	600.00	567.97	32.03	18.730	
6,900.00	6,842.83	6,854.81	6,842.83	18.22	16.92	-90.36	-200.30	-54.44	600.00	567.87	32.14	18.671	
7,000.00	6,942.83	6,954.81	6,942.83	18.27	16.97	-90.36	-200.30	-54.44	600.00	567.77	32.24	18.613	
7,100.00	7,042.83	7,054.81	7,042.83	18.32	17.01	-90.36	-200.30	-54.44	600.00	567.66	32.34	18.554	
7,200.00	7,142.83	7,154.81	7,142.83	18.37	17.06	-90.36	-200.30	-54.44	600.00	567.56	32.44	18.496	
7,300.00	7,242.83	7,254.81	7,242.83	18.42	17.10	-90.36	-200.30	-54.44	600.00	567.46	32.54	18.437	
7,400.00	7,342.83	7,354.81	7,342.83	18.47	17.15	-90.36	-200.30	-54.44	600.00	567.36	32.65	18.379	
7,500.00	7,442.83	7,454.81	7,442.83	18.52	17.19	-90.36	-200.30	-54.44	600.00	567.25	32.75	18.321	
7,600.00	7,542.83	7,554.81	7,542.83	18.57	17.24	-90.36	-200.30	-54.44	600.00	567.15	32.85	18.263	
7,700.00	7,642.83	7,654.81	7,642.83	18.62	17.29	-90.36	-200.30	-54.44	600.00	567.04	32.96	18.205	
7,800.00	7,742.83	7,754.81	7,742.83	18.67	17.33	-90.36	-200.30	-54.44	600.00	566.94	33.06	18.147	
7,900.00	7,842.83	7,854.81	7,842.83	18.72	17.38	-90.36	-200.30	-54.44	600.00	566.83	33.17	18.090	
8,000.00	7,942.83	7,954.81	7,942.83	18.77	17.43	-90.36	-200.30	-54.44	600.00	566.73	33.27	18.032	
8,100.00	8,042.83	8,054.81	8,042.83	18.82	17.47	-90.36	-200.30	-54.44	600.00	566.62	33.38	17.975	
8,200.00	8,142.83	8,154.81	8,142.83	18.88	17.52	-90.36	-200.30	-54.44	600.00	566.51	33.49	17.917	
8,300.00	8,242.83	8,254.81	8,242.83	18.93	17.57	-90.36	-200.30	-54.44	600.00	566.41	33.59	17.860	
8,400.00	8,342.83	8,354.81	8,342.83	18.98	17.62	-90.36	-200.30	-54.44	600.00	566.30	33.70	17.803	
8,500.00	8,442.83	8,454.81	8,442.83	19.03	17.67	-90.36	-200.30	-54.44	600.00	566.19	33.81	17.746	
8,600.00	8,542.83	8,554.81	8,542.83	19.08	17.72	-90.36	-200.30	-54.44	600.00	566.08	33.92	17.689	
8,700.00	8,642.83	8,654.81	8,642.83	19.14	17.76	-90.36	-200.30	-54.44	600.00	565.97	34.03	17.633	
8,800.00	8,742.83	8,754.81	8,742.83	19.19	17.81	-90.36	-200.30	-54.44	600.00	565.86	34.14	17.576	
8,900.00	8,842.83	8,854.81	8,842.83	19.24	17.86	-90.36	-200.30	-54.44	600.00	565.75	34.25	17.520	
9,000.00	8,942.83	8,954.81	8,942.83	19.29	17.91	-90.36	-200.30	-54.44	600.00	565.64	34.36	17.463	
9,100.00	9,042.83	9,054.81	9,042.83	19.35	17.96	-90.36	-200.30	-54.44	600.00	565.53	34.47	17.407	
9,200.00	9,142.83	9,154.81	9,142.83	19.40	18.01	-90.36	-200.30	-54.44	600.00	565.42	34.58	17.351	
9,300.00	9,242.83	9,254.81	9,242.83	19.45	18.06	-90.36	-200.30	-54.44	600.00	565.31	34.69	17.295	
9,400.00	9,342.83	9,354.81	9,342.83	19.51	18.11	-90.36	-200.30	-54.44	600.00	565.20	34.80	17.240	
9,500.00	9,442.83	9,454.81	9,442.83	19.56	18.17	-90.36	-200.30	-54.44	600.00	565.09	34.92	17.184	
9,600.00	9,542.83	9,554.81	9,542.83	19.62	18.22	-90.36	-200.30	-54.44	600.00	564.97	35.03	17.129	
9,700.00	9,642.83	9,654.81	9,642.83	19.67	18.27	-90.36	-200.30	-54.44	600.00	564.86	35.14	17.074	
9,800.00	9,742.83	9,754.81	9,742.83	19.73	18.32	-90.36	-200.30	-54.44	600.00	564.75	35.26	17.019	
9,900.00	9,842.83	9,854.81	9,842.83	19.78	18.37	-90.36	-200.30	-54.44	600.00	564.63	35.37	16.964	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft		
Reference				Offset		Semi Major Axis			Offset Wellbore Centre		Rule Assigned: Distance			Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
10,000.00	9,942.83	9,954.81	9,942.83	19.84	18.42	-90.36	-200.30	-54.44	600.00	564.52	35.48	16.909			
10,100.00	10,042.83	10,054.81	10,042.83	19.89	18.48	-90.36	-200.30	-54.44	600.00	564.40	35.60	16.855			
10,200.00	10,142.83	10,154.81	10,142.83	19.95	18.53	-90.36	-200.30	-54.44	600.00	564.29	35.71	16.800			
10,300.00	10,242.83	10,254.81	10,242.83	20.00	18.58	-90.36	-200.30	-54.44	600.00	564.17	35.83	16.746			
10,400.00	10,342.83	10,354.81	10,342.83	20.06	18.63	-90.36	-200.30	-54.44	600.00	564.06	35.95	16.692			
10,500.00	10,442.83	10,454.81	10,442.83	20.11	18.69	-90.36	-200.30	-54.44	600.00	563.94	36.06	16.638			
10,514.22	10,457.04	10,469.02	10,457.04	20.12	18.69	-90.36	-200.30	-54.44	600.00	563.93	36.07	16.633			
10,537.22	10,480.04	10,492.02	10,480.04	20.12	18.71	-90.00	-200.30	-54.44	600.00	563.90	36.10	16.622			
10,550.00	10,492.80	10,504.78	10,492.80	20.12	18.71	-90.06	-200.30	-54.44	600.00	563.89	36.11	16.615			
10,600.00	10,542.51	10,554.49	10,542.51	20.09	18.74	-90.56	-200.30	-54.44	600.03	563.85	36.18	16.586			
10,650.00	10,591.56	10,603.54	10,591.56	20.06	18.77	-91.44	-200.30	-54.44	600.20	563.94	36.26	16.553			
10,700.00	10,639.59	10,651.57	10,639.59	20.03	18.79	-92.66	-200.30	-54.44	600.72	564.36	36.36	16.522			
10,750.00	10,686.23	10,698.21	10,686.23	19.99	18.82	-94.14	-200.30	-54.44	601.87	565.39	36.47	16.501			
10,800.00	10,731.12	10,743.10	10,731.12	19.96	18.84	-95.80	-200.30	-54.44	604.00	567.39	36.60	16.502			
10,850.00	10,773.93	10,785.91	10,773.93	19.93	18.86	-97.53	-200.30	-54.44	607.50	570.76	36.74	16.535			
10,900.00	10,814.33	10,826.31	10,814.33	19.91	18.88	-99.22	-200.30	-54.44	612.80	575.92	36.88	16.617			
10,950.00	10,852.01	10,863.99	10,852.01	19.90	18.91	-100.76	-200.30	-54.44	620.31	583.30	37.01	16.760			
11,000.00	10,886.68	10,898.66	10,886.68	19.90	18.92	-102.04	-200.30	-54.44	630.41	593.28	37.13	16.978			
11,050.00	10,918.08	10,930.07	10,918.08	19.93	18.94	-102.95	-200.30	-54.44	643.41	606.18	37.23	17.284			
11,100.00	10,945.98	10,957.96	10,945.98	19.97	18.96	-103.38	-200.30	-54.44	659.52	622.23	37.29	17.684			
11,150.00	10,970.15	10,982.13	10,970.15	20.03	18.97	-103.25	-200.30	-54.44	678.85	641.52	37.33	18.186			
11,200.00	10,990.42	11,002.40	10,990.42	20.12	18.98	-102.47	-200.30	-54.44	701.39	664.06	37.32	18.792			
11,250.00	11,006.63	11,018.61	11,006.63	20.24	18.99	-100.95	-200.30	-54.44	727.00	689.72	37.28	19.499			
11,300.00	11,018.65	11,030.63	11,018.65	20.39	18.99	-98.61	-200.30	-54.44	755.46	718.25	37.21	20.302			
11,350.00	11,026.41	11,038.39	11,026.41	20.57	18.99	-95.41	-200.30	-54.44	786.44	749.33	37.11	21.193			
11,400.00	11,029.82	11,041.80	11,029.82	20.77	18.99	-91.32	-200.30	-54.44	819.56	782.58	36.98	22.161			
11,414.22	11,030.00	11,041.98	11,030.00	20.84	18.99	-90.00	-200.30	-54.44	829.31	792.37	36.94	22.449			
11,500.00	11,030.00	11,041.98	11,030.00	21.26	18.99	-90.00	-200.30	-54.44	890.69	853.99	36.70	24.268			
11,600.00	11,030.00	12,098.10	11,628.00	21.83	20.01	-130.91	497.25	-149.45	915.12	869.78	45.35	20.181			
11,700.00	11,030.00	12,229.92	11,628.00	22.48	20.85	-130.57	628.74	-158.78	919.96	873.54	46.42	19.817			
11,800.00	11,030.00	12,358.56	11,628.00	23.19	21.76	-130.47	757.32	-162.07	921.33	873.69	47.64	19.338			
11,900.00	11,030.00	12,458.56	11,628.00	23.97	22.53	-130.47	857.32	-162.76	921.32	872.52	48.81	18.877			
12,000.00	11,030.00	12,558.56	11,628.00	24.80	23.37	-130.47	957.32	-163.46	921.31	871.26	50.06	18.405			
12,100.00	11,030.00	12,658.56	11,628.00	25.68	24.27	-130.47	1,057.31	-164.15	921.31	869.91	51.40	17.926			
12,200.00	11,030.00	12,758.56	11,628.00	26.61	25.22	-130.47	1,157.31	-164.84	921.30	868.49	52.81	17.445			
12,300.00	11,030.00	12,858.56	11,628.00	27.58	26.22	-130.47	1,257.31	-165.54	921.29	866.99	54.30	16.966			
12,400.00	11,030.00	12,958.56	11,628.00	28.59	27.27	-130.47	1,357.31	-166.23	921.28	865.42	55.86	16.493			
12,500.00	11,030.00	13,058.56	11,628.00	29.63	28.35	-130.47	1,457.30	-166.92	921.27	863.80	57.47	16.029			
12,600.00	11,030.00	13,158.56	11,628.00	30.71	29.46	-130.47	1,557.30	-167.61	921.27	862.12	59.15	15.575			
12,700.00	11,030.00	13,258.56	11,628.00	31.81	30.61	-130.47	1,657.30	-168.31	921.26	860.38	60.87	15.134			
12,800.00	11,030.00	13,358.56	11,628.00	32.94	31.78	-130.47	1,757.30	-169.00	921.25	858.60	62.65	14.705			
12,900.00	11,030.00	13,458.56	11,628.00	34.10	32.98	-130.48	1,857.29	-169.69	921.24	856.78	64.46	14.291			
13,000.00	11,030.00	13,558.56	11,628.00	35.27	34.20	-130.48	1,957.29	-170.39	921.23	854.91	66.32	13.891			
13,100.00	11,030.00	13,658.56	11,628.00	36.46	35.43	-130.48	2,057.29	-171.08	921.23	853.01	68.21	13.505			
13,200.00	11,030.00	13,758.56	11,628.00	37.67	36.68	-130.48	2,157.29	-171.77	921.22	851.08	70.14	13.134			
13,300.00	11,030.00	13,858.56	11,628.00	38.90	37.95	-130.48	2,257.28	-172.47	921.21	849.11	72.10	12.777			
13,400.00	11,030.00	13,958.56	11,628.00	40.14	39.23	-130.48	2,357.28	-173.16	921.20	847.12	74.08	12.435			
13,500.00	11,030.00	14,058.56	11,628.00	41.40	40.52	-130.48	2,457.28	-173.85	921.19	845.10	76.09	12.106			
13,600.00	11,030.00	14,158.56	11,628.00	42.66	41.82	-130.48	2,557.28	-174.55	921.19	843.06	78.13	11.790			
13,700.00	11,030.00	14,258.56	11,628.00	43.94	43.14	-130.48	2,657.28	-175.24	921.18	840.99	80.19	11.488			
13,800.00	11,030.00	14,358.56	11,628.00	45.23	44.46	-130.48	2,757.27	-175.93	921.17	838.90	82.27	11.197			
13,900.00	11,030.00	14,458.56	11,628.00	46.52	45.79	-130.48	2,857.27	-176.62	921.16	836.80	84.36	10.919			

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,000.00	11,030.00	14,558.56	11,628.00	47.83	47.12	-130.48	2,957.27	-177.32	921.15	834.68	86.48	10.652	
14,100.00	11,030.00	14,658.56	11,628.00	49.14	48.47	-130.48	3,057.27	-178.01	921.15	832.54	88.61	10.396	
14,200.00	11,030.00	14,758.56	11,628.00	50.46	49.81	-130.48	3,157.26	-178.70	921.14	830.38	90.75	10.150	
14,300.00	11,030.00	14,858.56	11,628.00	51.79	51.17	-130.48	3,257.26	-179.40	921.13	828.22	92.91	9.914	
14,400.00	11,030.00	14,958.56	11,628.00	53.12	52.53	-130.48	3,357.26	-180.09	921.12	826.03	95.09	9.687	
14,500.00	11,030.00	15,058.56	11,628.00	54.46	53.89	-130.48	3,457.26	-180.78	921.11	823.84	97.27	9.469	
14,600.00	11,030.00	15,158.56	11,628.00	55.81	55.26	-130.48	3,557.25	-181.48	921.11	821.64	99.47	9.260	
14,700.00	11,030.00	15,258.56	11,628.00	57.16	56.63	-130.48	3,657.25	-182.17	921.10	819.42	101.68	9.059	
14,800.00	11,030.00	15,358.56	11,628.00	58.51	58.01	-130.48	3,757.25	-182.86	921.09	817.20	103.89	8.866	
14,900.00	11,030.00	15,458.56	11,628.00	59.87	59.39	-130.48	3,857.25	-183.56	921.08	814.96	106.12	8.680	
15,000.00	11,030.00	15,558.56	11,628.00	61.23	60.77	-130.48	3,957.24	-184.25	921.07	812.72	108.35	8.501	
15,100.00	11,030.00	15,658.56	11,628.00	62.60	62.16	-130.48	4,057.24	-184.94	921.07	810.47	110.60	8.328	
15,200.00	11,030.00	15,758.56	11,628.00	63.97	63.55	-130.49	4,157.24	-185.63	921.06	808.21	112.85	8.162	
15,300.00	11,030.00	15,858.56	11,628.00	65.34	64.94	-130.49	4,257.24	-186.33	921.05	805.95	115.10	8.002	
15,400.00	11,030.00	15,958.56	11,628.00	66.72	66.33	-130.49	4,357.23	-187.02	921.04	803.67	117.37	7.847	
15,500.00	11,030.00	16,058.56	11,628.00	68.10	67.73	-130.49	4,457.23	-187.71	921.03	801.39	119.64	7.698	
15,600.00	11,030.00	16,158.56	11,628.00	69.48	69.13	-130.49	4,557.23	-188.41	921.03	799.11	121.92	7.555	
15,700.00	11,030.00	16,258.56	11,628.00	70.87	70.53	-130.49	4,657.23	-189.10	921.02	796.82	124.20	7.416	
15,800.00	11,030.00	16,358.56	11,628.00	72.25	71.93	-130.49	4,757.22	-189.79	921.01	794.52	126.49	7.281	
15,900.00	11,030.00	16,458.56	11,628.00	73.64	73.34	-130.49	4,857.22	-190.49	921.00	792.22	128.78	7.152	
16,000.00	11,030.00	16,558.56	11,628.00	75.03	74.74	-130.49	4,957.22	-191.18	920.99	789.91	131.08	7.026	
16,100.00	11,030.00	16,658.56	11,628.00	76.43	76.15	-130.49	5,057.22	-191.87	920.99	787.60	133.38	6.905	
16,200.00	11,030.00	16,758.56	11,628.00	77.82	77.56	-130.49	5,157.22	-192.57	920.98	785.29	135.69	6.787	
16,300.00	11,030.00	16,858.56	11,628.00	79.22	78.97	-130.49	5,257.21	-193.26	920.97	782.97	138.00	6.674	
16,400.00	11,030.00	16,958.56	11,628.00	80.62	80.38	-130.49	5,357.21	-193.95	920.96	780.65	140.31	6.564	
16,500.00	11,030.00	17,058.56	11,628.00	82.02	81.79	-130.49	5,457.21	-194.64	920.95	778.32	142.63	6.457	
16,600.00	11,030.00	17,158.56	11,628.00	83.42	83.21	-130.49	5,557.21	-195.34	920.94	775.99	144.95	6.353	
16,700.00	11,030.00	17,258.56	11,628.00	84.83	84.62	-130.49	5,657.20	-196.03	920.94	773.66	147.28	6.253	
16,800.00	11,030.00	17,358.56	11,628.00	86.23	86.04	-130.49	5,757.20	-196.72	920.93	771.32	149.61	6.156	
16,900.00	11,030.00	17,458.56	11,628.00	87.64	87.46	-130.49	5,857.20	-197.42	920.92	768.98	151.94	6.061	
17,000.00	11,030.00	17,558.56	11,628.00	89.05	88.87	-130.49	5,957.20	-198.11	920.91	766.64	154.27	5.969	
17,100.00	11,030.00	17,658.56	11,628.00	90.46	90.29	-130.49	6,057.19	-198.80	920.90	764.29	156.61	5.880	
17,200.00	11,030.00	17,758.56	11,628.00	91.87	91.71	-130.49	6,157.19	-199.50	920.90	761.94	158.95	5.794	
17,300.00	11,030.00	17,858.56	11,628.00	93.28	93.14	-130.49	6,257.19	-200.19	920.89	759.59	161.30	5.709	
17,400.00	11,030.00	17,958.56	11,628.00	94.69	94.56	-130.49	6,357.19	-200.88	920.88	757.24	163.64	5.627	
17,500.00	11,030.00	18,058.56	11,628.00	96.11	95.98	-130.50	6,457.18	-201.57	920.87	754.89	165.99	5.548	
17,600.00	11,030.00	18,158.56	11,628.00	97.52	97.40	-130.50	6,557.18	-202.27	920.86	752.53	168.34	5.470	
17,700.00	11,030.00	18,258.56	11,628.00	98.94	98.83	-130.50	6,657.18	-202.96	920.86	750.17	170.69	5.395	
17,800.00	11,030.00	18,358.56	11,628.00	100.35	100.25	-130.50	6,757.18	-203.65	920.85	747.81	173.04	5.322	
17,900.00	11,030.00	18,458.56	11,628.00	101.77	101.68	-130.50	6,857.17	-204.35	920.84	745.44	175.40	5.250	
18,000.00	11,030.00	18,558.56	11,628.00	103.19	103.10	-130.50	6,957.17	-205.04	920.83	743.08	177.76	5.180	
18,100.00	11,030.00	18,658.56	11,628.00	104.61	104.53	-130.50	7,057.17	-205.73	920.82	740.71	180.12	5.112	
18,200.00	11,030.00	18,758.56	11,628.00	106.03	105.96	-130.50	7,157.17	-206.43	920.82	738.34	182.48	5.046	
18,300.00	11,030.00	18,858.56	11,628.00	107.45	107.39	-130.50	7,257.16	-207.12	920.81	735.97	184.84	4.982	
18,400.00	11,030.00	18,958.56	11,628.00	108.87	108.81	-130.50	7,357.16	-207.81	920.80	733.60	187.20	4.919	
18,500.00	11,030.00	19,058.56	11,628.00	110.29	110.24	-130.50	7,457.16	-208.51	920.79	731.22	189.57	4.857	
18,600.00	11,030.00	19,158.56	11,628.00	111.71	111.67	-130.50	7,557.16	-209.20	920.78	728.85	191.94	4.797	
18,700.00	11,030.00	19,258.56	11,628.00	113.14	113.10	-130.50	7,657.16	-209.89	920.78	726.47	194.31	4.739	
18,800.00	11,030.00	19,358.56	11,628.00	114.56	114.53	-130.50	7,757.15	-210.58	920.77	724.09	196.68	4.682	
18,900.00	11,030.00	19,458.56	11,628.00	115.99	115.96	-130.50	7,857.15	-211.28	920.76	721.71	199.05	4.626	
19,000.00	11,030.00	19,558.56	11,628.00	117.41	117.39	-130.50	7,957.15	-211.97	920.75	719.33	201.42	4.571	
19,100.00	11,030.00	19,658.56	11,628.00	118.84	118.82	-130.50	8,057.15	-212.66	920.74	716.95	203.80	4.518	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: Reference		0-MWD+HDGM						Rule Assigned:				Offset Well Error:		0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
19,200.00	11,030.00	19,758.56	11,628.00	120.26	120.26	-130.50	8,157.14	-213.36	920.74	714.56	206.17	4.466		
19,300.00	11,030.00	19,858.56	11,628.00	121.69	121.69	-130.50	8,257.14	-214.05	920.73	712.18	208.55	4.415		
19,400.00	11,030.00	19,958.56	11,628.00	123.12	123.12	-130.50	8,357.14	-214.74	920.72	709.79	210.93	4.365		
19,500.00	11,030.00	20,058.56	11,628.00	124.54	124.55	-130.50	8,457.14	-215.44	920.71	707.41	213.30	4.316		
19,600.00	11,030.00	20,158.56	11,628.00	125.97	125.99	-130.50	8,557.13	-216.13	920.70	705.02	215.68	4.269		
19,700.00	11,030.00	20,258.56	11,628.00	127.40	127.42	-130.50	8,657.13	-216.82	920.70	702.63	218.07	4.222		
19,800.00	11,030.00	20,358.56	11,628.00	128.83	128.86	-130.50	8,757.13	-217.52	920.69	700.24	220.45	4.176		
19,900.00	11,030.00	20,458.56	11,628.00	130.26	130.29	-130.51	8,857.13	-218.21	920.68	697.85	222.83	4.132		
20,000.00	11,030.00	20,558.56	11,628.00	131.69	131.72	-130.51	8,957.12	-218.90	920.67	695.46	225.21	4.088		
20,100.00	11,030.00	20,658.56	11,628.00	133.12	133.16	-130.51	9,057.12	-219.59	920.66	693.07	227.60	4.045		
20,200.00	11,030.00	20,758.56	11,628.00	134.55	134.59	-130.51	9,157.12	-220.29	920.66	690.67	229.98	4.003		
20,300.00	11,030.00	20,858.56	11,628.00	135.98	136.03	-130.51	9,257.12	-220.98	920.65	688.28	232.37	3.962		
20,400.00	11,030.00	20,958.56	11,628.00	137.41	137.46	-130.51	9,357.11	-221.67	920.64	685.88	234.76	3.922		
20,500.00	11,030.00	21,058.56	11,628.00	138.84	138.90	-130.51	9,457.11	-222.37	920.63	683.49	237.14	3.882		
20,600.00	11,030.00	21,158.56	11,628.00	140.27	140.34	-130.51	9,557.11	-223.06	920.62	681.09	239.53	3.843		
20,700.00	11,030.00	21,258.56	11,628.00	141.71	141.77	-130.51	9,657.11	-223.75	920.62	678.69	241.92	3.805		
20,800.00	11,030.00	21,358.56	11,628.00	143.14	143.21	-130.51	9,757.10	-224.45	920.61	676.30	244.31	3.768		
20,900.00	11,030.00	21,458.56	11,628.00	144.57	144.65	-130.51	9,857.10	-225.14	920.60	673.90	246.70	3.732		
21,000.00	11,030.00	21,558.56	11,628.00	146.00	146.08	-130.51	9,957.10	-225.83	920.59	671.50	249.09	3.696		
21,100.00	11,030.00	21,658.56	11,628.00	147.44	147.52	-130.51	10,057.10	-226.53	920.58	669.10	251.48	3.661		
21,200.00	11,030.00	21,758.56	11,628.00	148.87	148.96	-130.51	10,157.10	-227.22	920.58	666.70	253.88	3.626		
21,252.55	11,030.00	21,811.11	11,628.00	149.62	149.69	-130.51	10,209.64	-227.58	920.57	665.46	255.11	3.609		
21,269.91	11,030.00	21,828.09	11,628.00	149.87	149.90	-130.51	10,226.62	-227.70	920.57	665.10	255.47	3.603 SF		



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

Survey Program: 0-MWD+HDGM													Offset Site Error: 0.00 usft					
Reference				Offset			Semi Major Axis			Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning					
0.00	0.00	0.00	0.00	0.00	0.00	89.64	1.10	174.97	174.97									
100.00	100.00	100.00	100.00	0.79	0.79	89.64	1.10	174.97	174.97	173.39	1.58	110.452						
200.00	200.00	200.00	200.00	1.45	1.45	89.64	1.10	174.97	174.97	172.07	2.90	60.351						
300.00	300.00	300.00	300.00	1.89	1.89	89.64	1.10	174.97	174.97	171.18	3.79	46.182						
400.00	400.00	400.00	400.00	2.26	2.26	89.64	1.10	174.97	174.97	170.46	4.51	38.780						
500.00	500.00	500.00	500.00	2.57	2.57	89.64	1.10	174.97	174.97	169.83	5.14	34.045						
600.00	600.00	600.00	600.00	2.85	2.85	89.64	1.10	174.97	174.97	169.27	5.70	30.682						
700.00	700.00	700.00	700.00	3.11	3.11	89.64	1.10	174.97	174.97	168.75	6.22	28.132						
800.00	800.00	800.00	800.00	3.35	3.35	89.64	1.10	174.97	174.97	168.27	6.70	26.112						
900.00	900.00	900.00	900.00	3.58	3.58	89.64	1.10	174.97	174.97	167.82	7.15	24.461						
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	89.64	1.10	174.97	174.97	167.39	7.58	23.077						
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	89.64	1.10	174.97	174.97	166.98	7.99	21.894						
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	89.64	1.10	174.97	174.97	166.59	8.38	20.869						
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	89.64	1.10	174.97	174.97	166.21	8.76	19.969						
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	89.64	1.10	174.97	174.97	165.85	9.13	19.170						
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	89.64	1.10	174.97	174.97	165.49	9.48	18.454						
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	89.64	1.10	174.97	174.97	165.15	9.83	17.808						
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	89.64	1.10	174.97	174.97	164.81	10.16	17.221						
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	89.64	1.10	174.97	174.97	164.49	10.49	16.684						
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	89.64	1.10	174.97	174.97	164.17	10.81	16.191						
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	89.64	1.10	174.97	174.97	163.85	11.12	15.736	CC, ES					
2,100.00	2,100.00	2,095.68	2,095.67	5.71	5.73	89.72	0.87	176.15	176.20	164.76	11.44	15.406						
2,200.00	2,200.00	2,191.25	2,191.17	5.86	5.89	89.94	0.18	179.67	179.88	168.14	11.74	15.318						
2,300.00	2,300.00	2,286.57	2,286.30	6.01	6.07	90.30	-0.96	185.51	186.02	173.97	12.06	15.430						
2,400.00	2,399.99	2,381.64	2,381.01	6.18	6.27	10.80	-2.56	193.67	193.33	180.93	12.40	15.590						
2,500.00	2,499.91	2,476.53	2,475.29	6.35	6.49	11.53	-4.60	204.10	200.54	187.78	12.76	15.719						
2,600.00	2,599.69	2,571.21	2,569.08	6.53	6.72	12.44	-7.08	216.81	207.68	194.53	13.15	15.796						
2,700.00	2,699.27	2,665.69	2,662.32	6.74	6.98	13.52	-10.01	231.75	214.79	201.22	13.57	15.826						
2,800.00	2,798.63	2,762.18	2,757.17	6.93	7.22	4.42	-13.41	249.15	221.98	207.99	13.98	15.876						
2,900.00	2,897.77	2,861.99	2,855.20	7.15	7.49	-2.49	-17.01	267.55	227.66	213.18	14.48	15.722						
3,000.00	2,996.62	2,961.92	2,953.35	7.38	7.79	-7.95	-20.61	285.98	231.36	216.33	15.03	15.392						
3,100.00	3,095.11	3,061.89	3,051.54	7.64	8.10	-12.50	-24.22	304.42	233.06	217.44	15.62	14.919						
3,200.00	3,193.17	3,161.84	3,149.72	7.91	8.43	-16.53	-27.82	322.85	232.79	216.54	16.25	14.328						
3,244.48	3,236.63	3,206.28	3,193.36	8.01	8.58	-18.24	-29.43	331.05	232.04	215.54	16.50	14.062						
3,300.00	3,290.82	3,261.73	3,247.82	8.14	8.77	-18.87	-31.43	341.27	230.90	214.07	16.83	13.717						
3,400.00	3,388.42	3,361.60	3,345.92	8.44	9.12	-20.02	-35.03	359.69	228.91	211.42	17.49	13.085						
3,500.00	3,486.01	3,461.47	3,444.01	8.75	9.48	-21.20	-38.63	378.11	227.01	208.84	18.18	12.490						
3,600.00	3,583.61	3,561.35	3,542.10	9.08	9.85	-22.39	-42.23	396.52	225.22	206.34	18.87	11.935						
3,700.00	3,681.21	3,661.22	3,640.20	9.42	10.23	-23.60	-45.84	414.94	223.52	203.94	19.58	11.417						
3,800.00	3,778.81	3,761.09	3,738.29	9.78	10.62	-24.82	-49.44	433.36	221.92	201.62	20.29	10.935						
3,900.00	3,876.41	3,860.97	3,836.39	10.14	11.01	-26.07	-53.04	451.78	220.42	199.41	21.02	10.489						
4,000.00	3,974.01	3,960.84	3,934.48	10.51	11.40	-27.33	-56.64	470.20	219.03	197.29	21.74	10.075						
4,100.00	4,071.61	4,060.71	4,032.57	10.89	11.80	-28.61	-60.25	488.61	217.75	195.29	22.46	9.694						
4,200.00	4,169.20	4,160.59	4,130.67	11.28	12.21	-29.90	-63.85	507.03	216.58	193.39	23.19	9.341						
4,300.00	4,266.80	4,260.46	4,228.76	11.68	12.62	-31.20	-67.45	525.45	215.52	191.61	23.90	9.016						
4,400.00	4,364.40	4,360.33	4,326.86	12.08	13.03	-32.52	-71.05	543.87	214.57	189.95	24.62	8.716						
4,500.00	4,462.00	4,460.20	4,424.95	12.49	13.45	-33.85	-74.66	562.29	213.74	188.42	25.32	8.441						
4,600.00	4,559.60	4,560.08	4,523.04	12.90	13.87	-35.19	-78.26	580.70	213.02	187.00	26.02	8.187						
4,700.00	4,657.20	4,659.95	4,621.14	13.32	14.29	-36.53	-81.86	599.12	212.42	185.72	26.71	7.954						
4,800.00	4,754.80	4,759.82	4,719.23	13.74	14.71	-37.88	-85.46	617.54	211.94	184.56	27.38	7.741						
4,900.00	4,852.39	4,859.70	4,817.33	14.16	15.14	-39.24	-89.07	635.96	211.58	183.54	28.04	7.545						
5,000.00	4,949.99	4,959.57	4,915.42	14.59	15.57	-40.60	-92.67	654.37	211.33	182.64	28.69	7.366						

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,018.39	4,967.94	4,977.93	4,933.45	14.66	15.65	-40.85	-93.33	657.76	211.30	182.50	28.80	7.337	
5,026.06	4,975.43	4,985.59	4,940.98	14.70	15.68	-40.96	-93.61	659.17	211.30	182.45	28.85	7.324	
5,100.00	5,047.78	5,059.47	5,013.54	15.02	16.00	-41.82	-96.27	672.80	211.86	182.53	29.33	7.223	
5,200.00	5,146.06	5,159.39	5,111.69	15.45	16.43	-42.57	-99.88	691.22	214.37	184.35	30.02	7.142	
5,300.00	5,244.80	5,259.29	5,209.80	15.87	16.87	-42.86	-103.48	709.65	218.82	188.08	30.74	7.119	
5,400.00	5,343.92	5,359.08	5,307.81	16.28	17.31	-42.71	-107.08	728.05	225.20	193.69	31.50	7.148	
5,500.00	5,443.35	5,458.70	5,405.66	16.67	17.74	-42.15	-110.67	746.42	233.50	201.19	32.31	7.227	
5,600.00	5,543.02	5,558.08	5,503.26	17.04	18.18	-41.25	-114.26	764.75	243.80	210.64	33.15	7.354	
5,700.00	5,642.87	5,657.15	5,600.57	17.38	18.62	-40.06	-117.83	783.02	256.15	222.13	34.02	7.530	
5,800.00	5,742.83	5,755.84	5,697.51	17.67	19.05	-38.67	-121.39	801.22	270.64	235.76	34.88	7.759	
5,857.17	5,800.00	5,812.07	5,752.74	17.74	19.30	74.63	-123.42	811.59	279.92	244.61	35.31	7.927	
5,900.00	5,842.83	5,854.13	5,794.05	17.75	19.49	75.34	-124.94	819.34	287.17	251.57	35.60	8.066	
6,000.00	5,942.83	5,952.35	5,890.52	17.80	19.92	76.88	-128.48	837.46	304.27	267.99	36.28	8.387	
6,100.00	6,042.83	6,050.57	5,986.99	17.84	20.36	78.24	-132.02	855.57	321.55	284.61	36.93	8.706	
6,200.00	6,142.83	6,148.79	6,083.46	17.89	20.80	79.47	-135.56	873.68	338.99	301.42	37.57	9.024	
6,300.00	6,242.83	6,247.01	6,179.93	17.94	21.24	80.58	-139.11	891.79	356.57	318.38	38.18	9.338	
6,400.00	6,342.83	6,345.23	6,276.40	17.98	21.68	81.59	-142.65	909.91	374.26	335.48	38.79	9.649	
6,500.00	6,442.83	6,443.45	6,372.86	18.03	22.12	82.50	-146.19	928.02	392.06	352.69	39.38	9.957	
6,600.00	6,542.83	6,541.67	6,469.33	18.08	22.56	83.34	-149.74	946.13	409.95	369.99	39.96	10.260	
6,700.00	6,642.83	6,639.88	6,565.80	18.13	23.00	84.10	-153.28	964.25	427.91	387.38	40.53	10.558	
6,800.00	6,742.83	6,738.10	6,662.27	18.18	23.44	84.80	-156.82	982.36	445.95	404.85	41.10	10.852	
6,900.00	6,842.83	6,836.32	6,758.74	18.22	23.89	85.45	-160.36	1,000.47	464.04	422.38	41.65	11.140	
7,000.00	6,942.83	6,934.54	6,855.21	18.27	24.33	86.05	-163.91	1,018.58	482.19	439.98	42.21	11.424	
7,100.00	7,042.83	7,032.76	6,951.68	18.32	24.78	86.61	-167.45	1,036.70	500.38	457.62	42.76	11.702	
7,200.00	7,142.83	7,130.98	7,048.15	18.37	25.22	87.13	-170.99	1,054.81	518.62	475.31	43.31	11.976	
7,300.00	7,242.83	7,229.20	7,144.62	18.42	25.66	87.61	-174.53	1,072.92	536.89	493.04	43.85	12.244	
7,400.00	7,342.83	7,327.41	7,241.09	18.47	26.11	88.06	-178.08	1,091.04	555.20	510.81	44.39	12.509	
7,500.00	7,442.83	7,435.31	7,347.16	18.52	26.58	88.51	-181.86	1,110.38	573.06	528.11	44.95	12.749	
7,600.00	7,542.83	7,551.32	7,461.75	18.57	27.10	88.90	-185.33	1,128.14	588.31	542.79	45.52	12.925	
7,700.00	7,642.83	7,668.36	7,577.85	18.62	27.59	89.20	-188.16	1,142.58	600.61	554.58	46.03	13.049	
7,800.00	7,742.83	7,786.19	7,695.15	18.67	28.06	89.41	-190.31	1,153.58	609.93	563.46	46.47	13.125	
7,900.00	7,842.83	7,904.61	7,813.31	18.72	28.50	89.56	-191.77	1,161.06	616.24	569.39	46.84	13.156	
8,000.00	7,942.83	8,023.38	7,932.02	18.77	28.83	89.63	-192.53	1,164.95	619.50	572.42	47.08	13.158	
8,100.00	8,042.83	8,134.19	8,042.83	18.82	28.96	89.64	-192.65	1,165.54	620.00	572.84	47.16	13.148	
8,200.00	8,142.83	8,234.19	8,142.83	18.88	29.00	89.64	-192.65	1,165.54	620.00	572.75	47.25	13.122	
8,300.00	8,242.83	8,334.19	8,242.83	18.93	29.02	89.64	-192.65	1,165.54	620.00	572.67	47.33	13.099	
8,400.00	8,342.83	8,434.19	8,342.83	18.98	29.05	89.64	-192.65	1,165.54	620.00	572.59	47.41	13.077	
8,500.00	8,442.83	8,534.19	8,442.83	19.03	29.08	89.64	-192.65	1,165.54	620.00	572.51	47.49	13.055	
8,600.00	8,542.83	8,634.19	8,542.83	19.08	29.11	89.64	-192.65	1,165.54	620.00	572.43	47.57	13.032	
8,700.00	8,642.83	8,734.19	8,642.83	19.14	29.14	89.64	-192.65	1,165.54	620.00	572.35	47.66	13.010	
8,800.00	8,742.83	8,834.19	8,742.83	19.19	29.17	89.64	-192.65	1,165.54	620.00	572.26	47.74	12.988	
8,900.00	8,842.83	8,934.19	8,842.83	19.24	29.20	89.64	-192.65	1,165.54	620.00	572.18	47.82	12.965	
9,000.00	8,942.83	9,034.19	8,942.83	19.29	29.22	89.64	-192.65	1,165.54	620.00	572.10	47.90	12.943	
9,100.00	9,042.83	9,134.19	9,042.83	19.35	29.25	89.64	-192.65	1,165.54	620.00	572.01	47.99	12.920	
9,200.00	9,142.83	9,234.19	9,142.83	19.40	29.28	89.64	-192.65	1,165.54	620.00	571.93	48.07	12.898	
9,300.00	9,242.83	9,334.19	9,242.83	19.45	29.31	89.64	-192.65	1,165.54	620.00	571.85	48.16	12.875	
9,400.00	9,342.83	9,434.19	9,342.83	19.51	29.34	89.64	-192.65	1,165.54	620.00	571.76	48.24	12.852	
9,500.00	9,442.83	9,534.19	9,442.83	19.56	29.37	89.64	-192.65	1,165.54	620.00	571.68	48.33	12.830	
9,600.00	9,542.83	9,634.19	9,542.83	19.62	29.40	89.64	-192.65	1,165.54	620.00	571.59	48.41	12.807	
9,700.00	9,642.83	9,734.19	9,642.83	19.67	29.43	89.64	-192.65	1,165.54	620.00	571.51	48.50	12.784	
9,800.00	9,742.83	9,834.19	9,742.83	19.73	29.46	89.64	-192.65	1,165.54	620.00	571.42	48.58	12.762	
9,900.00	9,842.83	9,934.19	9,842.83	19.78	29.50	89.64	-192.65	1,165.54	620.00	571.33	48.67	12.739	

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	9,942.83	10,034.19	9,942.83	19.84	29.53	89.64	-192.65	1,165.54	620.00	571.25	48.76	12.716	
10,100.00	10,042.83	10,134.19	10,042.83	19.89	29.56	89.64	-192.65	1,165.54	620.00	571.16	48.84	12.694	
10,200.00	10,142.83	10,234.19	10,142.83	19.95	29.59	89.64	-192.65	1,165.54	620.00	571.07	48.93	12.671	
10,300.00	10,242.83	10,334.19	10,242.83	20.00	29.62	89.64	-192.65	1,165.54	620.00	570.98	49.02	12.648	
10,400.00	10,342.83	10,434.19	10,342.83	20.06	29.65	89.64	-192.65	1,165.54	620.00	570.89	49.11	12.625	
10,500.00	10,442.83	10,534.19	10,442.83	20.11	29.69	89.64	-192.65	1,165.54	620.00	570.81	49.20	12.603	
10,514.22	10,457.04	10,548.41	10,457.04	20.12	29.69	89.64	-192.65	1,165.54	620.00	570.80	49.20	12.600	
10,515.83	10,458.65	10,550.02	10,458.65	20.12	29.69	90.04	-192.65	1,165.54	620.00	570.80	49.21	12.600	
10,550.00	10,492.80	10,584.17	10,492.80	20.12	29.70	90.15	-192.65	1,165.54	620.00	570.77	49.24	12.592	
10,600.00	10,542.51	10,633.87	10,542.51	20.09	29.72	90.63	-192.65	1,165.54	620.04	570.74	49.30	12.577	
10,650.00	10,591.56	10,682.93	10,591.56	20.06	29.73	91.48	-192.65	1,165.54	620.22	570.84	49.38	12.559	
10,700.00	10,639.59	10,730.96	10,639.59	20.03	29.75	92.65	-192.65	1,165.54	620.74	571.27	49.48	12.546	
10,750.00	10,686.23	10,777.60	10,686.23	19.99	29.76	94.08	-192.65	1,165.54	621.88	572.31	49.57	12.546	
10,800.00	10,731.12	10,822.49	10,731.12	19.96	29.78	95.68	-192.65	1,165.54	623.97	574.33	49.65	12.569	
10,850.00	10,773.93	10,865.30	10,773.93	19.93	29.79	97.36	-192.65	1,165.54	627.40	577.70	49.70	12.624	
10,900.00	10,814.33	10,905.70	10,814.33	19.91	29.81	98.99	-192.65	1,165.54	632.58	582.87	49.71	12.725	
10,950.00	10,852.01	10,943.38	10,852.01	19.90	29.82	100.48	-192.65	1,165.54	639.91	590.23	49.68	12.880	
11,000.00	10,886.68	10,978.05	10,886.68	19.90	29.83	101.72	-192.65	1,165.54	649.75	600.16	49.60	13.101	
11,050.00	10,918.08	11,009.45	10,918.08	19.93	29.84	102.59	-192.65	1,165.54	662.43	612.97	49.46	13.394	
11,100.00	10,945.98	11,037.35	10,945.98	19.97	29.85	103.01	-192.65	1,165.54	678.14	628.88	49.26	13.765	
11,150.00	10,970.15	11,061.52	10,970.15	20.03	29.86	102.88	-192.65	1,165.54	697.02	647.99	49.03	14.217	
11,200.00	10,990.42	11,081.79	10,990.42	20.12	29.86	102.11	-192.65	1,165.54	719.04	670.28	48.76	14.747	
11,250.00	11,006.63	11,098.00	11,006.63	20.24	29.87	100.63	-192.65	1,165.54	744.11	695.64	48.47	15.353	
11,300.00	11,018.65	11,110.02	11,018.65	20.39	29.87	98.36	-192.65	1,165.54	771.99	723.83	48.16	16.029	
11,350.00	11,026.41	11,117.77	11,026.41	20.57	29.87	95.25	-192.65	1,165.54	802.40	754.53	47.86	16.764	
11,400.00	11,029.82	11,121.19	11,029.82	20.77	29.87	91.28	-192.65	1,165.54	834.94	787.37	47.57	17.550	
11,414.22	11,030.00	11,121.37	11,030.00	20.84	29.87	90.00	-192.65	1,165.54	844.53	797.03	47.50	17.781	
11,500.00	11,030.00	12,123.67	11,619.00	21.26	30.70	133.53	466.55	1,160.90	855.17	810.36	44.81	19.085	
11,600.00	11,030.00	12,223.67	11,619.00	21.83	31.14	133.53	566.55	1,160.19	855.17	810.18	44.99	19.008	
11,700.00	11,030.00	12,323.67	11,619.00	22.48	31.64	133.53	666.55	1,159.49	855.17	809.88	45.29	18.881	
11,800.00	11,030.00	12,423.67	11,619.00	23.19	32.19	133.53	766.55	1,158.78	855.17	809.45	45.72	18.706	
11,900.00	11,030.00	12,523.67	11,619.00	23.97	32.80	133.53	866.54	1,158.08	855.17	808.91	46.26	18.488	
12,000.00	11,030.00	12,623.67	11,619.00	24.80	33.46	133.53	966.54	1,157.37	855.17	808.26	46.91	18.231	
12,100.00	11,030.00	12,723.67	11,619.00	25.68	34.17	133.53	1,066.54	1,156.67	855.17	807.50	47.67	17.940	
12,200.00	11,030.00	12,823.67	11,619.00	26.61	34.91	133.53	1,166.54	1,155.96	855.17	806.64	48.53	17.622	
12,300.00	11,030.00	12,923.67	11,619.00	27.58	35.70	133.53	1,266.53	1,155.26	855.16	805.68	49.49	17.281	
12,400.00	11,030.00	13,023.67	11,619.00	28.59	36.52	133.53	1,366.53	1,154.55	855.16	804.63	50.54	16.922	
12,500.00	11,030.00	13,123.67	11,619.00	29.63	37.38	133.53	1,466.53	1,153.85	855.16	803.49	51.67	16.551	
12,600.00	11,030.00	13,223.67	11,619.00	30.71	38.27	133.53	1,566.53	1,153.15	855.16	802.28	52.88	16.171	
12,700.00	11,030.00	13,323.67	11,619.00	31.81	39.20	133.53	1,666.52	1,152.44	855.16	800.99	54.17	15.786	
12,800.00	11,030.00	13,423.67	11,619.00	32.94	40.15	133.53	1,766.52	1,151.74	855.16	799.63	55.53	15.399	
12,900.00	11,030.00	13,523.67	11,619.00	34.10	41.12	133.53	1,866.52	1,151.03	855.16	798.21	56.96	15.014	
13,000.00	11,030.00	13,623.67	11,619.00	35.27	42.12	133.53	1,966.52	1,150.33	855.16	796.72	58.44	14.633	
13,100.00	11,030.00	13,723.67	11,619.00	36.46	43.15	133.53	2,066.51	1,149.62	855.16	795.18	59.98	14.258	
13,200.00	11,030.00	13,823.67	11,619.00	37.67	44.20	133.53	2,166.51	1,148.92	855.16	793.59	61.57	13.890	
13,300.00	11,030.00	13,923.67	11,619.00	38.90	45.26	133.53	2,266.51	1,148.21	855.16	791.95	63.21	13.530	
13,400.00	11,030.00	14,023.67	11,619.00	40.14	46.35	133.53	2,366.51	1,147.51	855.16	790.27	64.89	13.179	
13,500.00	11,030.00	14,123.67	11,619.00	41.40	47.46	133.53	2,466.50	1,146.80	855.16	788.55	66.61	12.838	
13,600.00	11,030.00	14,223.67	11,619.00	42.66	48.58	133.53	2,566.50	1,146.10	855.16	786.78	68.37	12.507	
13,700.00	11,030.00	14,323.67	11,619.00	43.94	49.72	133.53	2,666.50	1,145.40	855.16	784.99	70.17	12.187	
13,800.00	11,030.00	14,423.67	11,619.00	45.23	50.87	133.53	2,766.50	1,144.69	855.16	783.16	72.00	11.878	
13,900.00	11,030.00	14,523.67	11,619.00	46.52	52.04	133.53	2,866.49	1,143.99	855.15	781.30	73.85	11.579	

CC - Min centre to center distance or convergent 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 704H
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 704H	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	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)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	11,030.00	14,623.67	11,619.00	47.83	53.21	133.53	2,966.49	1,143.28	855.15	779.41	75.74	11.291	
14,100.00	11,030.00	14,723.67	11,619.00	49.14	54.41	133.53	3,066.49	1,142.58	855.15	777.50	77.65	11.013	
14,200.00	11,030.00	14,823.67	11,619.00	50.46	55.61	133.53	3,166.49	1,141.87	855.15	775.57	79.59	10.745	
14,300.00	11,030.00	14,923.67	11,619.00	51.79	56.82	133.53	3,266.48	1,141.17	855.15	773.61	81.54	10.487	
14,400.00	11,030.00	15,023.67	11,619.00	53.12	58.05	133.53	3,366.48	1,140.46	855.15	771.63	83.52	10.239	
14,500.00	11,030.00	15,123.67	11,619.00	54.46	59.28	133.53	3,466.48	1,139.76	855.15	769.63	85.52	10.000	
14,600.00	11,030.00	15,223.67	11,619.00	55.81	60.53	133.53	3,566.48	1,139.05	855.15	767.62	87.53	9.769	
14,700.00	11,030.00	15,323.67	11,619.00	57.16	61.78	133.53	3,666.47	1,138.35	855.15	765.58	89.57	9.548	
14,800.00	11,030.00	15,423.67	11,619.00	58.51	63.04	133.53	3,766.47	1,137.65	855.15	763.53	91.61	9.334	
14,900.00	11,030.00	15,523.67	11,619.00	59.87	64.31	133.53	3,866.47	1,136.94	855.15	761.47	93.68	9.129	
15,000.00	11,030.00	15,623.67	11,619.00	61.23	65.58	133.53	3,966.47	1,136.24	855.15	759.39	95.75	8.931	
15,100.00	11,030.00	15,723.67	11,619.00	62.60	66.86	133.53	4,066.46	1,135.53	855.15	757.30	97.84	8.740	
15,200.00	11,030.00	15,823.67	11,619.00	63.97	68.15	133.53	4,166.46	1,134.83	855.15	755.20	99.94	8.556	
15,300.00	11,030.00	15,923.67	11,619.00	65.34	69.44	133.53	4,266.46	1,134.12	855.15	753.09	102.06	8.379	
15,400.00	11,030.00	16,023.67	11,619.00	66.72	70.74	133.53	4,366.46	1,133.42	855.14	750.97	104.18	8.208	
15,500.00	11,030.00	16,123.67	11,619.00	68.10	72.05	133.53	4,466.46	1,132.71	855.14	748.83	106.31	8.044	
15,600.00	11,030.00	16,223.67	11,619.00	69.48	73.36	133.53	4,566.45	1,132.01	855.14	746.69	108.45	7.885	
15,700.00	11,030.00	16,323.67	11,619.00	70.87	74.68	133.53	4,666.45	1,131.30	855.14	744.54	110.61	7.731	
15,800.00	11,030.00	16,423.67	11,619.00	72.25	76.00	133.53	4,766.45	1,130.60	855.14	742.38	112.77	7.583	
15,900.00	11,030.00	16,523.67	11,619.00	73.64	77.32	133.53	4,866.45	1,129.90	855.14	740.21	114.93	7.440	
16,000.00	11,030.00	16,623.67	11,619.00	75.03	78.65	133.53	4,966.44	1,129.19	855.14	738.03	117.11	7.302	
16,100.00	11,030.00	16,723.67	11,619.00	76.43	79.98	133.53	5,066.44	1,128.49	855.14	735.85	119.29	7.169	
16,200.00	11,030.00	16,823.67	11,619.00	77.82	81.32	133.53	5,166.44	1,127.78	855.14	733.66	121.48	7.039	
16,300.00	11,030.00	16,923.67	11,619.00	79.22	82.66	133.53	5,266.44	1,127.08	855.14	731.47	123.67	6.915	
16,400.00	11,030.00	17,023.67	11,619.00	80.62	84.00	133.53	5,366.43	1,126.37	855.14	729.26	125.87	6.794	
16,500.00	11,030.00	17,123.67	11,619.00	82.02	85.35	133.53	5,466.43	1,125.67	855.14	727.06	128.08	6.677	
16,600.00	11,030.00	17,223.67	11,619.00	83.42	86.70	133.53	5,566.43	1,124.96	855.14	724.85	130.29	6.563	
16,700.00	11,030.00	17,323.67	11,619.00	84.83	88.05	133.53	5,666.43	1,124.26	855.14	722.63	132.51	6.453	
16,800.00	11,030.00	17,423.67	11,619.00	86.23	89.41	133.53	5,766.42	1,123.55	855.14	720.41	134.73	6.347	
16,900.00	11,030.00	17,523.67	11,619.00	87.64	90.77	133.53	5,866.42	1,122.85	855.13	718.18	136.96	6.244	
17,000.00	11,030.00	17,623.67	11,619.00	89.05	92.13	133.53	5,966.42	1,122.15	855.13	715.95	139.19	6.144	
17,100.00	11,030.00	17,723.67	11,619.00	90.46	93.49	133.53	6,066.42	1,121.44	855.13	713.71	141.42	6.047	
17,200.00	11,030.00	17,823.67	11,619.00	91.87	94.86	133.53	6,166.41	1,120.74	855.13	711.47	143.66	5.952	
17,300.00	11,030.00	17,923.67	11,619.00	93.28	96.23	133.53	6,266.41	1,120.03	855.13	709.23	145.90	5.861	
17,400.00	11,030.00	18,023.67	11,619.00	94.69	97.60	133.53	6,366.41	1,119.33	855.13	706.98	148.15	5.772	
17,500.00	11,030.00	18,123.67	11,619.00	96.11	98.98	133.53	6,466.41	1,118.62	855.13	704.73	150.40	5.686	
17,600.00	11,030.00	18,223.67	11,619.00	97.52	100.35	133.53	6,566.40	1,117.92	855.13	702.48	152.65	5.602	
17,700.00	11,030.00	18,323.67	11,619.00	98.94	101.73	133.53	6,666.40	1,117.21	855.13	700.22	154.91	5.520	
17,800.00	11,030.00	18,423.67	11,619.00	100.35	103.11	133.53	6,766.40	1,116.51	855.13	697.96	157.17	5.441	
17,900.00	11,030.00	18,523.67	11,619.00	101.77	104.49	133.53	6,866.40	1,115.80	855.13	695.70	159.43	5.364	
18,000.00	11,030.00	18,623.67	11,619.00	103.19	105.87	133.53	6,966.39	1,115.10	855.13	693.43	161.70	5.288	
18,100.00	11,030.00	18,723.67	11,619.00	104.61	107.26	133.53	7,066.39	1,114.40	855.13	691.16	163.96	5.215	
18,200.00	11,030.00	18,823.67	11,619.00	106.03	108.64	133.53	7,166.39	1,113.69	855.13	688.89	166.23	5.144	
18,300.00	11,030.00	18,923.67	11,619.00	107.45	110.03	133.53	7,266.39	1,112.99	855.13	686.62	168.51	5.075	
18,400.00	11,030.00	19,023.67	11,619.00	108.87	111.42	133.53	7,366.38	1,112.28	855.12	684.34	170.78	5.007	
18,500.00	11,030.00	19,123.67	11,619.00	110.29	112.81	133.53	7,466.38	1,111.58	855.12	682.06	173.06	4.941	
18,600.00	11,030.00	19,223.67	11,619.00	111.71	114.20	133.53	7,566.38	1,110.87	855.12	679.78	175.34	4.877	
18,700.00	11,030.00	19,323.67	11,619.00	113.14	115.60	133.53	7,666.38	1,110.17	855.12	677.50	177.62	4.814	
18,800.00	11,030.00	19,423.67	11,619.00	114.56	116.99	133.53	7,766.37	1,109.46	855.12	675.22	179.90	4.753	
18,900.00	11,030.00	19,523.67	11,619.00	115.99	118.39	133.53	7,866.37	1,108.76	855.12	672.93	182.19	4.694	
19,000.00	11,030.00	19,623.67	11,619.00	117.41	119.78	133.53	7,966.37	1,108.05	855.12	670.64	184.48	4.635	
19,100.00	11,030.00	19,723.67	11,619.00	118.84	121.18	133.53	8,066.37	1,107.35	855.12	668.35	186.77	4.579	

CC - Min centre to center distance or convergent 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 704H
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 704H	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

Survey Program: Reference		0-MWD+HDGM						Rule Assigned:				Offset Well Error: 0.00 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	11,030.00	19,823.67	11,619.00	120.26	122.58	133.53	8,166.36	1,106.65	855.12	666.06	189.06	4.523	
19,300.00	11,030.00	19,923.67	11,619.00	121.69	123.98	133.53	8,266.36	1,105.94	855.12	663.77	191.35	4.469	
19,400.00	11,030.00	20,023.67	11,619.00	123.12	125.38	133.53	8,366.36	1,105.24	855.12	661.47	193.64	4.416	
19,500.00	11,030.00	20,123.67	11,619.00	124.54	126.79	133.53	8,466.36	1,104.53	855.12	659.18	195.94	4.364	
19,600.00	11,030.00	20,223.67	11,619.00	125.97	128.19	133.53	8,566.35	1,103.83	855.12	656.88	198.24	4.314	
19,700.00	11,030.00	20,323.67	11,619.00	127.40	129.60	133.53	8,666.35	1,103.12	855.12	654.58	200.54	4.264	
19,800.00	11,030.00	20,423.67	11,619.00	128.83	131.00	133.53	8,766.35	1,102.42	855.12	652.28	202.84	4.216	
19,900.00	11,030.00	20,523.67	11,619.00	130.26	132.41	133.53	8,866.35	1,101.71	855.11	649.98	205.14	4.168	
20,000.00	11,030.00	20,623.67	11,619.00	131.69	133.81	133.53	8,966.34	1,101.01	855.11	647.67	207.44	4.122	
20,100.00	11,030.00	20,723.67	11,619.00	133.12	135.22	133.53	9,066.34	1,100.30	855.11	645.37	209.75	4.077	
20,200.00	11,030.00	20,823.67	11,619.00	134.55	136.63	133.54	9,166.34	1,099.60	855.11	643.06	212.05	4.033	
20,300.00	11,030.00	20,923.67	11,619.00	135.98	138.04	133.54	9,266.34	1,098.90	855.11	640.76	214.36	3.989	
20,400.00	11,030.00	21,023.67	11,619.00	137.41	139.45	133.54	9,366.33	1,098.19	855.11	638.45	216.66	3.947	
20,500.00	11,030.00	21,123.67	11,619.00	138.84	140.86	133.54	9,466.33	1,097.49	855.11	636.14	218.97	3.905	
20,600.00	11,030.00	21,223.67	11,619.00	140.27	142.28	133.54	9,566.33	1,096.78	855.11	633.83	221.28	3.864	
20,700.00	11,030.00	21,323.67	11,619.00	141.71	143.69	133.54	9,666.33	1,096.08	855.11	631.52	223.59	3.824	
20,800.00	11,030.00	21,423.67	11,619.00	143.14	145.10	133.54	9,766.32	1,095.37	855.11	629.20	225.91	3.785	
20,900.00	11,030.00	21,523.67	11,619.00	144.57	146.52	133.54	9,866.32	1,094.67	855.11	626.89	228.22	3.747	
21,000.00	11,030.00	21,623.67	11,619.00	146.00	147.93	133.54	9,966.32	1,093.96	855.11	624.58	230.53	3.709	
21,100.00	11,030.00	21,723.67	11,619.00	147.44	149.35	133.54	10,066.32	1,093.26	855.11	622.26	232.85	3.672	
21,200.00	11,030.00	21,823.67	11,619.00	148.87	150.76	133.54	10,166.31	1,092.55	855.11	619.94	235.16	3.636	
21,269.91	11,030.00	21,893.58	11,619.00	149.87	151.75	133.54	10,236.22	1,092.06	855.11	618.33	236.78	3.611 SF	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Treble State Com 704H
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 704H	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

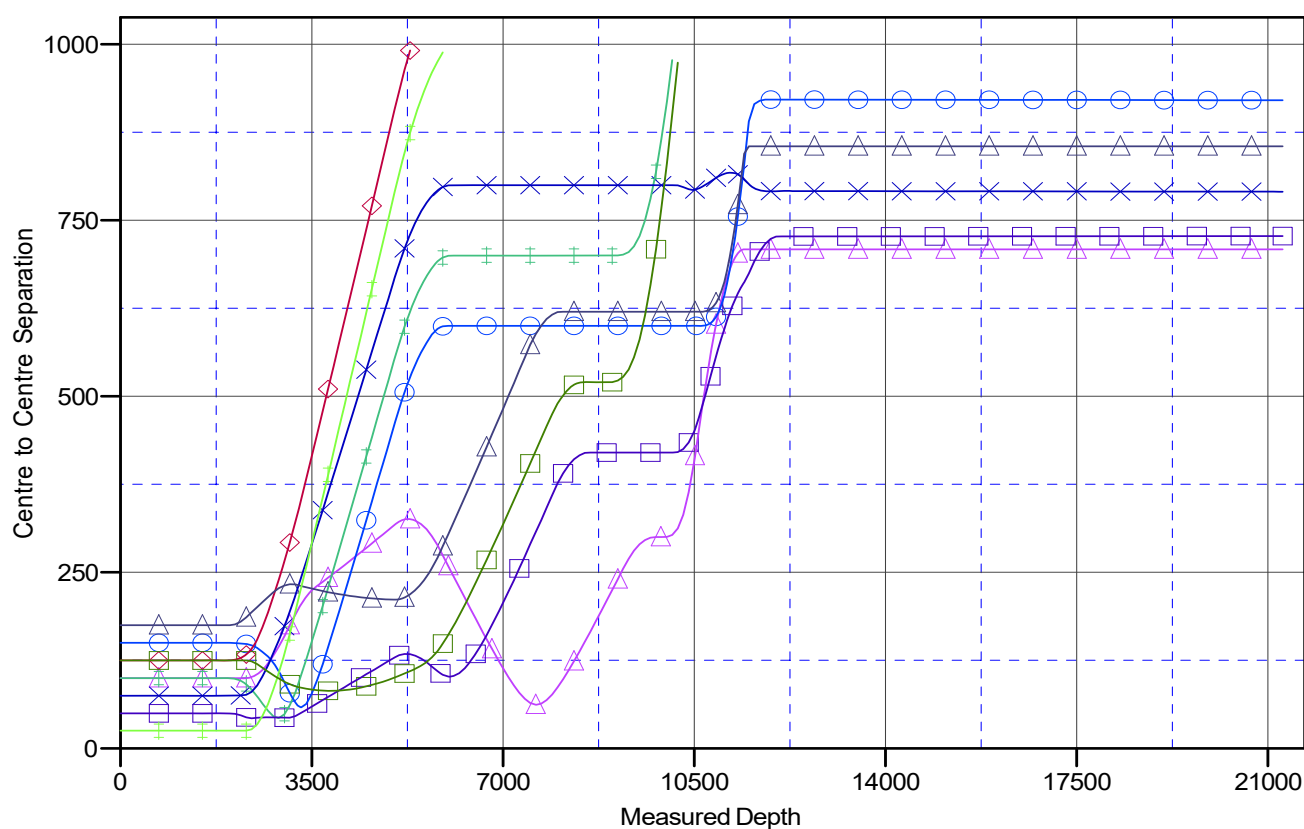
Central Meridian is -104.333334

Coordinates are relative to: Treble State Com 704H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.48°

Ladder Plot



LEGEND

Treble State Com 504H, OH, Plan 1 V0	Treble State Com 503H, OH, Plan 1 V0	Treble State Com 604H, OH, Plan 1 V0
Treble State Com 303H, OH, Plan 1 V0	Treble State Com 603H, OH, Plan 1 V0	Treble State Com 703H, OH, Plan 1 V0
Treble State Com 803H, OH, Plan 1 V0	Treble State Com 804H, OH, Plan 1 V0	Treble State Com 304H, OH, Plan 1 V0



Altitude Energy Partners

Anticollision Report



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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 704H	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

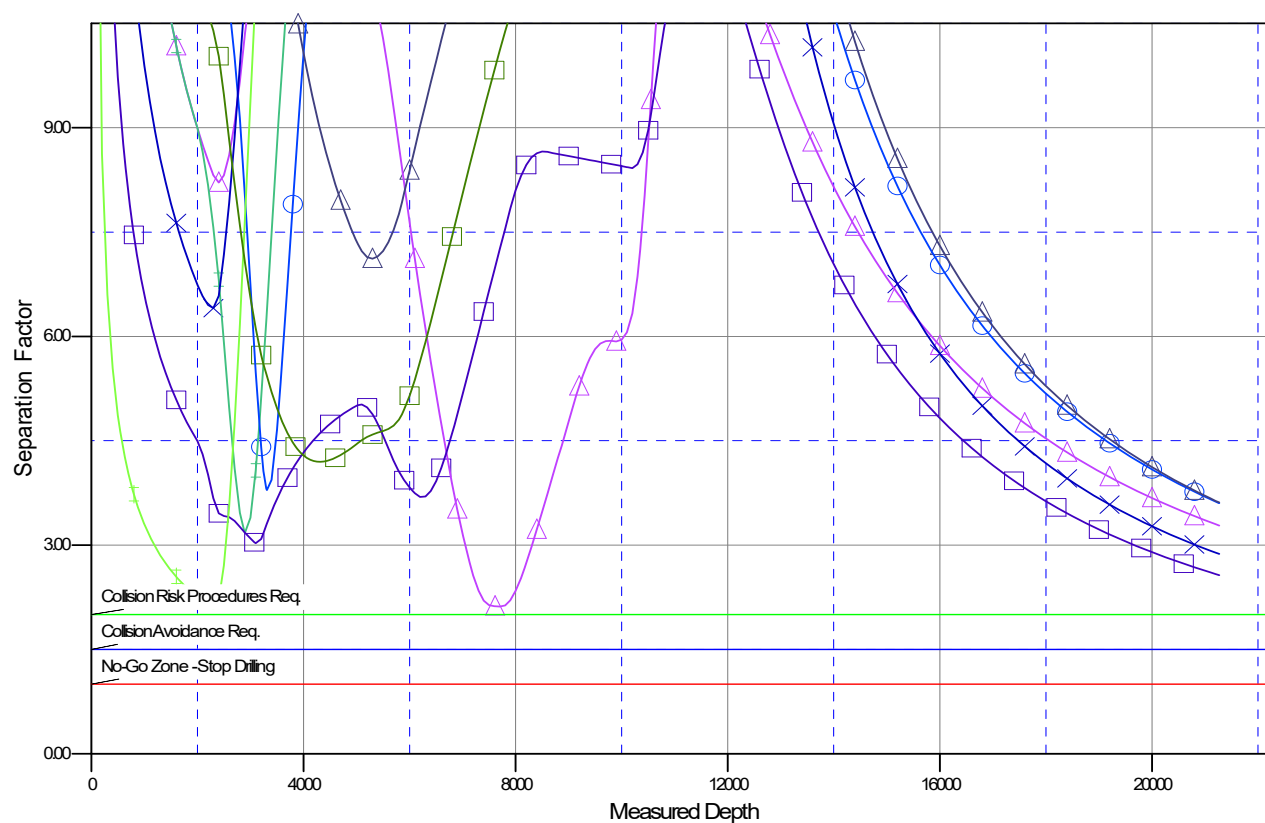
Central Meridian is -104.333334

Coordinates are relative to: Treble State Com 704H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.48°

Separation Factor Plot



LEGEND

Treble State Com 504H, OH, Plan 1 V0	Treble State Com 503H, OH, Plan 1 V0	Treble State Com 604H, OH, Plan 1 V0
Treble State Com 303H, OH, Plan 1 V0	Treble State Com 603H, OH, Plan 1 V0	Treble State Com 703H, OH, Plan 1 V0
Treble State Com 803H, OH, Plan 1 V0	Treble State Com 804H, OH, Plan 1 V0	Treble State Com 304H, OH, Plan 1 V0