

District I

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

District II

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

District III

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

District IV

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

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

Form C-101
August 1, 2011

Permit 342865

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 30-025-51668
4. Property Code 334169	5. Property Name GOLD STATE COM	6. Well No. 701H

7. Surface Location

UL - Lot D	Section 35	Township 18S	Range 34E	Lot Idn D	Feet From 1025	N/S Line N	Feet From 875	E/W Line W	County Lea
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	------------------	---------------	---------------

8. Proposed Bottom Hole Location

UL - Lot L	Section 23	Township 18S	Range 34E	Lot Idn L	Feet From 2510	N/S Line S	Feet From 900	E/W Line W	County Lea
---------------	---------------	-----------------	--------------	--------------	-------------------	---------------	------------------	---------------	---------------

9. Pool Information

AIRSTIP;WOLFCAMP	970
AIRSTIP;WOLFCAMP, NORTH	990

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3990
16. Multiple Y	17. Proposed Depth 19740	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/1/2023
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	10300	514	3000
Prod	8.75	5.5	20	19740	2356	10300

Casing/Cement Program: Additional Comments

Please see attached 14 point plan for additional 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@fmellc.com	Approved Date: 6/28/2023	Expiration Date: 6/28/2025
Date: 6/21/2023	Phone: 303-570-4057	Conditions of Approval Attached

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code	³ Pool Name
		970	AIRSTRIP;WOLFCAMP
⁴ Property Code	⁵ Property Name		⁶ Well Number
	GOLD STATE COM		701H
⁷ OGRID No.	⁸ Operator Name		⁹ Elevation
331595	FRANKLIN MOUNTAIN ENERGY 3, LLC		3990.0'

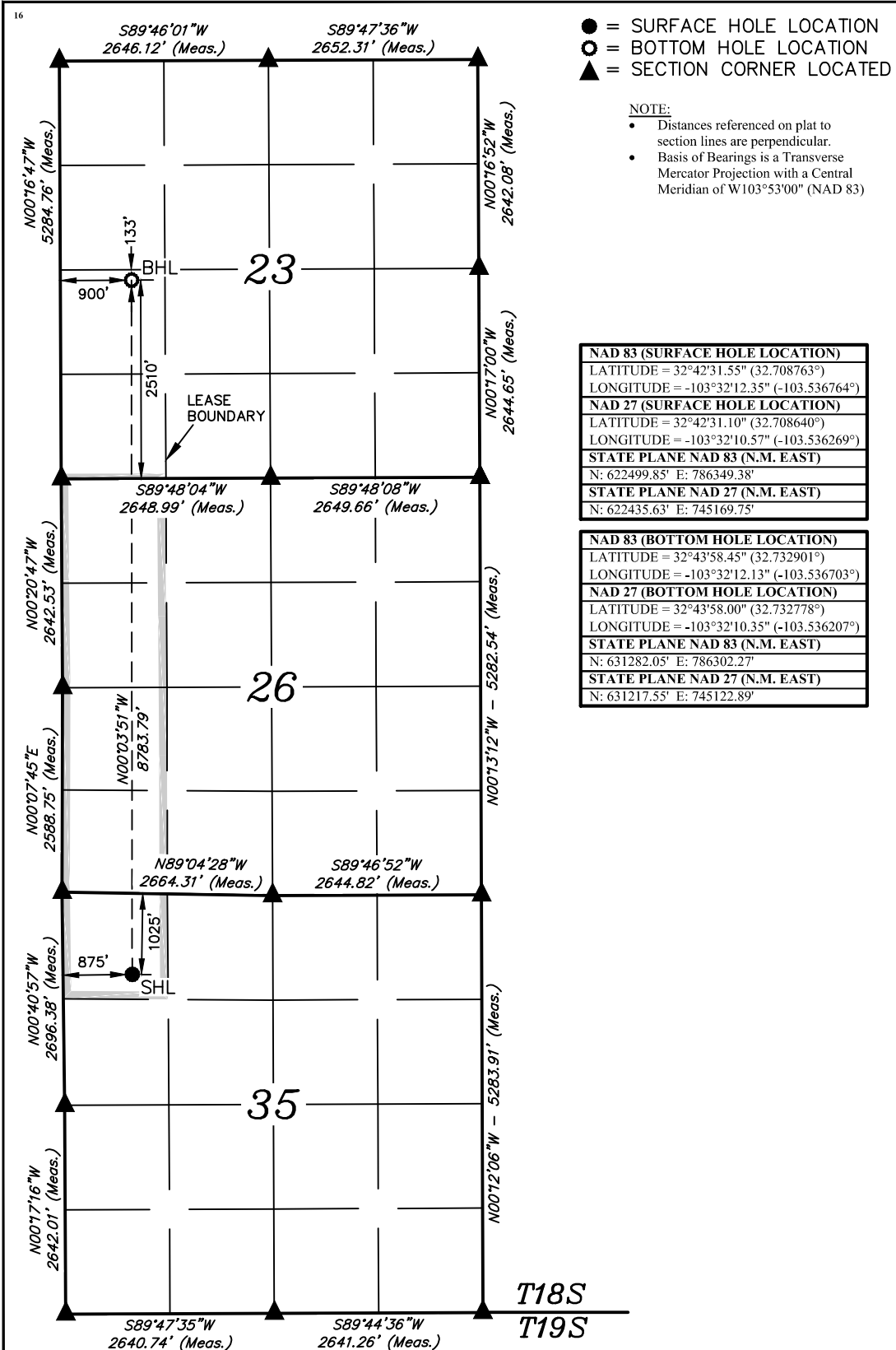
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	35	18S	34E		1025	NORTH	875	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

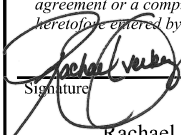
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	18S	34E		2510	SOUTH	900	WEST	LEA
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			
200									

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.



¹⁷ OPERATOR
CERTIFICATION

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

 5/16/2023
Signature Date

Rachael Overbey

Printed Name

roverbey@fmellc.com

E-mail Address

¹⁸ SURVEYOR
CERTIFICATION

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

April 27, 2023

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

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

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

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 990	³ Pool Name AIRSTRIP; WOLFCAMP,NORTH	
⁴ Property Code	⁵ Property Name GOLD STATE COM			⁶ Well Number 701H
⁷ OGRID No. 331595	⁸ Operator Name FRANKLIN MOUNTAIN ENERGY 3, LLC			⁹ Elevation 3990.0'

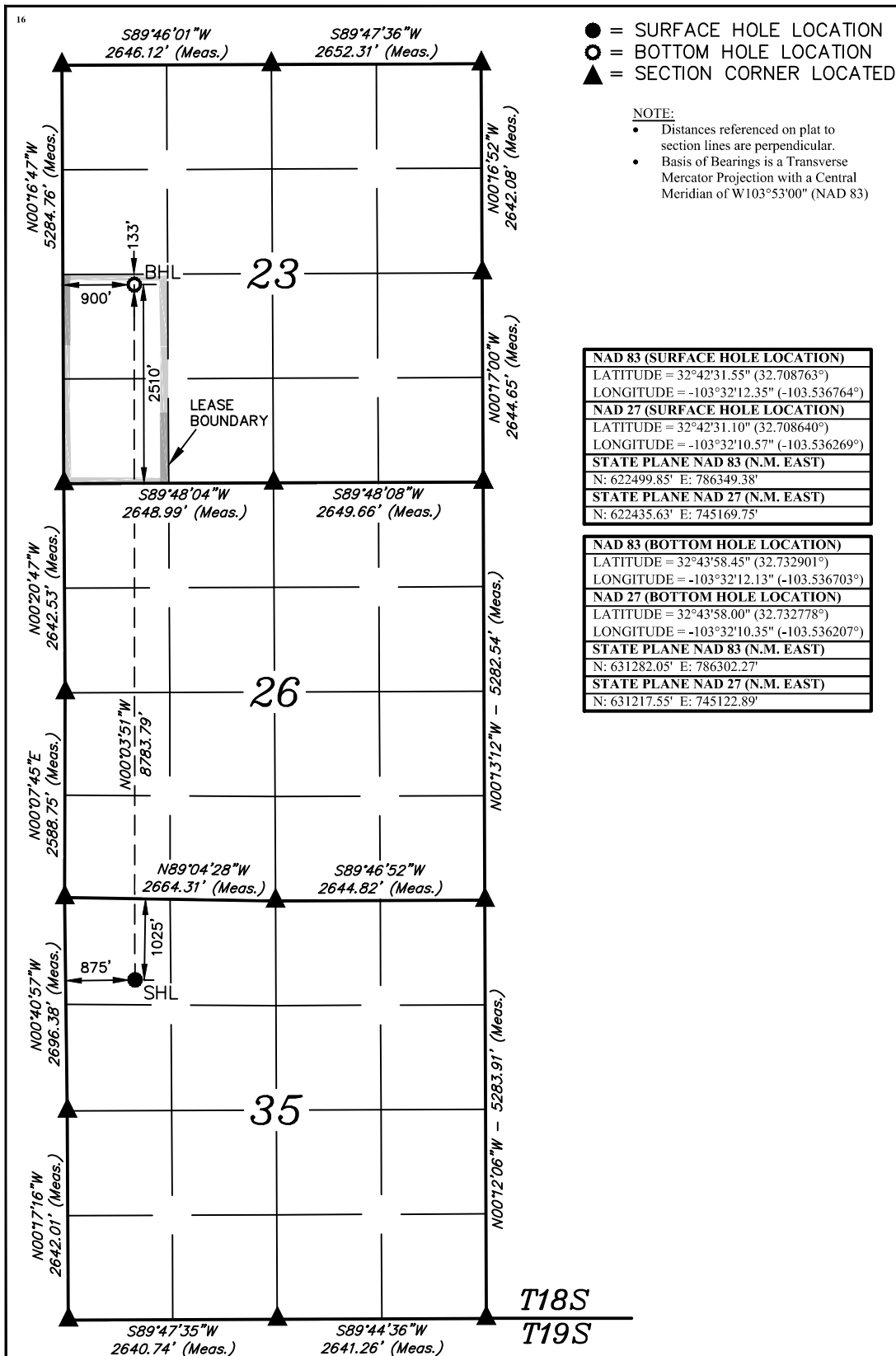
¹⁰ Surface Location

UL or lot no. D	Section 35	Township 18S	Range 34E	Lot Idn	Feet from the 1025	North/South line NORTH	Feet from the 875	East/West line WEST	County LEA
--------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L	Section 23	Township 18S	Range 34E	Lot Idn	Feet from the 2510	North/South line SOUTH	Feet from the 900	East/West line WEST	County LEA
¹² Dedicated Acres 80		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.



17 OPERATOR CERTIFICATION

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

Signature Michael Vukobratovic Date 5/16/2023

Rachael Overbey

Printed Name _____

roverbey@fmellc.com

E-mail Address

18 SURVEYOR CERTIFICATION

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

April 27, 2023

Date of Survey

Signature and Seal of Professional Surveyor:



Certificate Number:

District I

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

District II

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

District III

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

District IV

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

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

Form APD Conditions

Permit 342865

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: Franklin Mountain Energy 3, LLC [331595] 44 Cook Street Denver, CO 80206	API Number: 30-025-51668
	Well: GOLD STATE COM #701H

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



Gold State Com 701H

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)	3,990'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,125'	1,895'			Carbonates
Salado	1,917'	2,103'			Salt, Carbonate & Clastics
Base Salt	773'	3,247'			Shaley Carbonate & Shale
Yates	487'	3,533'			Carbonate & Clastics
Seven Rivers	138'	3,882'			Sandstone - oil/gas/water
Queen	-634'	4,654'			Sandstone - oil/gas/water
Delaware Mtn Group	-2,879'	6,899'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-3,835'	7,855'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-5,129'	9,149'			Shale/Carbonates - oil/gas
Second Bone Spring Carbonates	-5,288'	9,308'			Chert/Carbonate
Second Bone Spring Sand	-5,465'	9,485'			Sandstone - oil/gas/water
Third Bone Spring Carbonates	-6,289'	10,309'			Shale/Carbonates - oil/gas
Third Bone Spring Sand	-6,387'	10,407'			Sandstone - oil/gas/water
Wolfcamp	-6599	10,619'			Overpressure shale/sand- Oil/Gas
HZ Target	-6,909'	10,929'			Overpressure Shale - Oil/Gas
Wolfcamp B	-7,121'	11,141'			Overpressure Shale - Oil/Gas

Estimated depth of anticipated fresh water, oil or gas:

Upper Permian Sands	0- 400'	Fresh Water
Delaware Sands	6,899'	Oil
1 st Bone Spring Sand	9,149'	Oil
2 nd Bone Spring Sand	9,485'	Oil
3 rd Bone Spring Sand	10,407'	Oil
Wolfcamp	10,619'	Oil
Wolfcamp B	11,141'	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.

3. 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	1900	1.02	1.14	4.19	4.47
0-1,900'						909					
Intermediate 9 5/8"	40	HCL-80	7430	4230	916	BTC	4000	2.08	2.26	3.52	4.01
0-4,000'						1042					
Production 7"	32	HCP-110	12460	10760	1025	CDC-HTQ	10300	1.94	2.23	2.39	2.45
0-10,300'						1053					
Production 5 1/2"	20	HCP-110	12640	12200	641	CDC-HTQ	9440	1.15	2.76	2.22	2.31
10,300'-19,740'						667	10929				2.09
						TVD					



Tapered production string will be ran with a X-over installed at the KOP of 10,300'.

4. 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 ft3/sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft3/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%CaCl2, 0.1% Econolite	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	Tail, 14.8 ppg, 100% Class C, 0.08% C-51	1.33	6.33	3600	100%
Prod	8.75	7	0-10300	514	10.5 ppg, Class C, 1#/sk Salt, 4% STE 1% C-45	3.99	25.51	3000						100%
Prod	8.75	5.5	10300-19740						2356	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	10300	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" 0-10,300'	32	HCP-110	12460	10760	1025	CDC-HTQ 1053	10300	1.94	2.23	2.39	2.45
Production 5 1/2" 10,300'-19,740'	20	HCP-110	12640	12200	641	CDC-HTQ 667 TVD	9440 10929	1.15	2.76	2.22	2.31 2.09



Contingency Cementing Program:

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Type of cmt	Lead Yield ft3/sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft3/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%CaCl2, 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	0-10300	213	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	10300-19740						2356	HSLD 80, 13.ppg , 32#/sk Salt, 4% STE, 1#/sk Gyp Seal	1.52	7.59	10300	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' – 19,740' 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' – 19,740' 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 10,929' TVD (deepest point of the well) is 165F with an estimated maximum bottom-hole pressure (BHP) at the same point of 6,819 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.



Franklin Mountain Energy

Lea Co., NM (NAD-83)

Gold Rush Pad

Gold State Com 701H

OH

Plan: Plan 1

Standard Planning Report

25 May, 2023





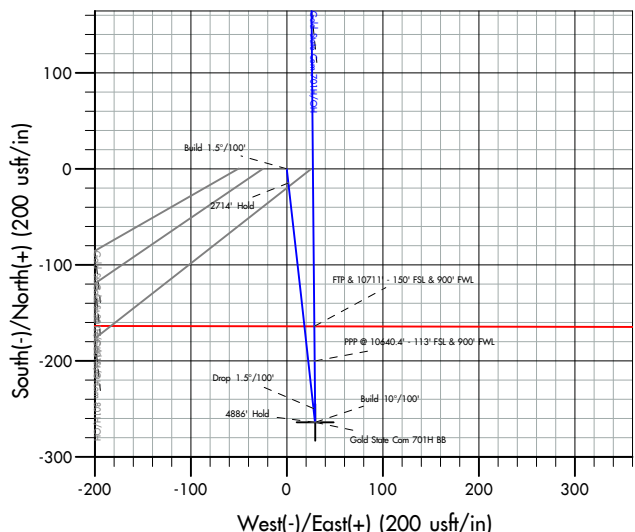
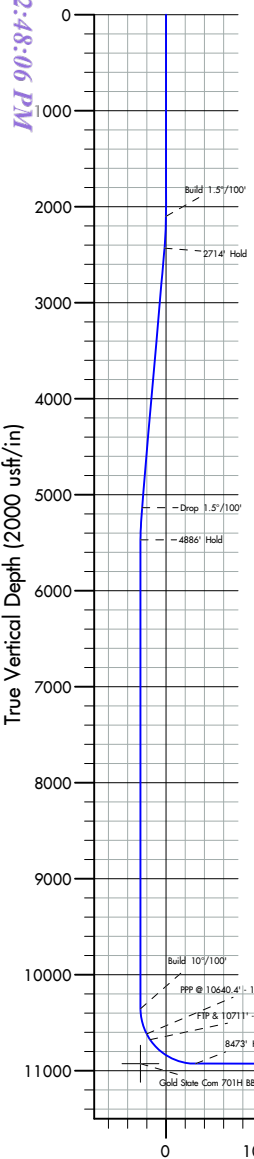
Project: Lea Co., NM (NAD-83)
Site: Gold Rush Pad
Well: Gold State Com 701H
Wellbore: OH
Design: Plan 1
Lat: 32.708763
Long: -103.536764
GL: 3990.00
KB: KB=30 @ 4020.00usft



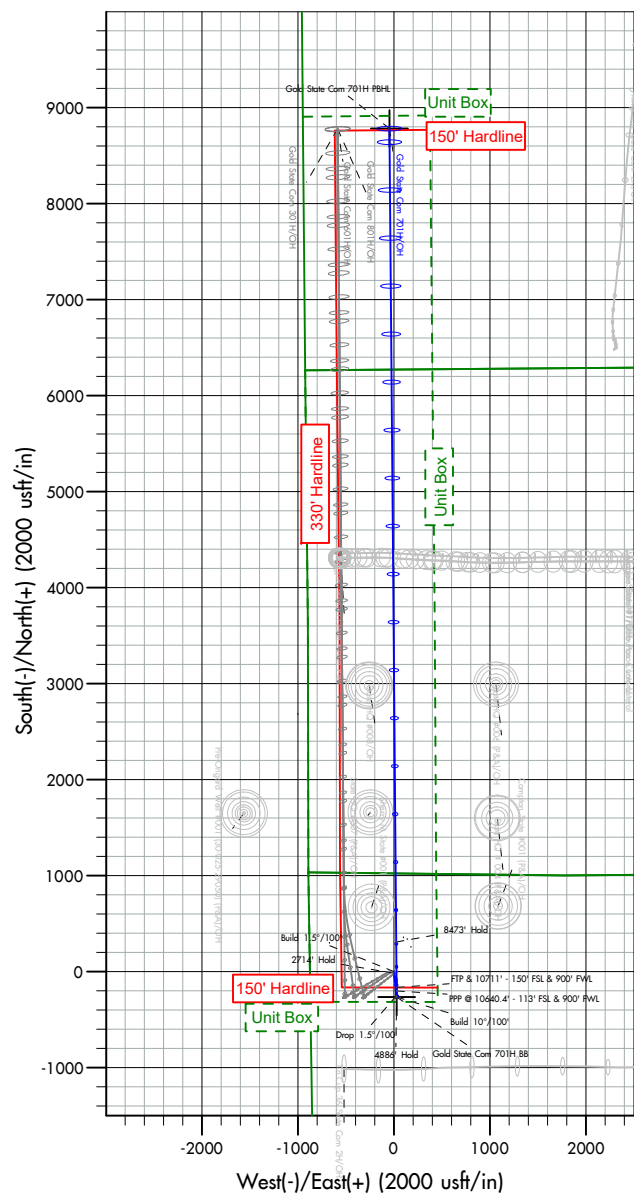
WELL DETAILS: Gold State Com 701H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	622499.85	786349.38	32.708763	-103.536764	

WELBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Gold State Com 701H BB	10929.00	-263.94	29.44	622235.91	786378.82	Point
Gold State Com 701H PBHL	10929.00	8782.20	-47.11	631282.05	786302.27	Point

SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	Build 1.5°/100'
2433.22	5.00	173.64	2432.80	-14.44	1.61	1.50	173.64	-14.45	2714' Hold
5147.95	5.00	173.64	5137.20	-249.50	27.83	0.00	0.00	-249.73	Drop 1.5°/100'
5481.17	0.00	0.00	5470.00	-263.94	29.44	1.50	180.00	-264.18	4886' Hold
10367.21	0.00	0.00	10356.04	-263.94	29.44	0.00	0.00	-264.18	Build 10°/100'
11267.21	90.00	359.52	10929.00	309.00	24.59	10.00	359.52	308.78	8473' Hold
19740.72	90.00	359.52	10929.00	8782.20	-47.11	0.00	0.00	8782.29	TD at 19740.72



FORMATION TOPS		
TVDPath	MDPath	Formation
30.00	30.00	Cenozoic Alluvium (surface)
1895.00	1895.00	Rustler
2103.00	2103.00	Salado
3247.00	3250.53	Base Salt
3533.00	3537.62	Yates
3882.00	3887.95	Seven Rivers
4654.00	4662.90	Queen
6899.00	6910.17	Delaware Mtn Group
7855.00	7866.17	Bone Spring Lime
9149.00	9160.17	First Bone Spring Sand
9308.00	9319.17	Second Bone Spring Carbonates
9485.00	9496.17	Second Bone Spring Sand
10309.00	10320.17	Third Bone Spring Carbonates
10407.00	10418.24	Third Bone Spring Sand
10619.00	10640.40	Wolfcamp
10929.00	11267.21	HZ Target



Azimuths to Grid North
True North: -0.43°
Magnetic North: 5.77°

Magnetic Field
Strength: 47665.3nT
Dip Angle: 60.52°
Date: 5/24/2023
Model: HRGM

Vertical Section at 359.52° (2000 usft/in)



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	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	Gold Rush Pad		
Site Position:		Northing:	622,500.45 usft
From:	Map	Easting:	786,299.39 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32.708766
		Longitude:	-103.536927

Well	Gold State Com 701H		
Well Position	+N/-S	0.00 usft	Northing: 622,499.85 usft
	+E/-W	0.00 usft	Easting: 786,349.38 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
Grid Convergence:	0.43 °	Ground Level:	3,990.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	5/24/2023	6.20	60.52	47,665.28114990

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	359.52

Plan Survey Tool Program	Date	5/25/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	19,740.60 Plan 1 (OH)	MWD+HDGM	
			OWSG MWD + HRGM	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,433.22	5.00	173.64	2,432.80	-14.44	1.61	1.50	1.50	0.00	173.64	
5,147.95	5.00	173.64	5,137.20	-249.50	27.83	0.00	0.00	0.00	0.00	
5,481.17	0.00	0.00	5,470.00	-263.94	29.44	1.50	-1.50	0.00	180.00	
10,367.21	0.00	0.00	10,356.04	-263.94	29.44	0.00	0.00	0.00	0.00	
11,267.21	90.00	359.52	10,929.00	309.00	24.59	10.00	10.00	0.00	359.52	
19,740.72	90.00	359.52	10,929.00	8,782.20	-47.11	0.00	0.00	0.00	0.00	Gold State Com 70



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	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
1,895.00	0.00	0.00	1,895.00	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
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
Build 1.5°/100'									
2,103.00	0.05	173.64	2,103.00	0.00	0.00	0.00	1.50	1.50	0.00
Salado									
2,200.00	1.50	173.64	2,199.99	-1.30	0.15	-1.30	1.50	1.50	0.00
2,300.00	3.00	173.64	2,299.91	-5.20	0.58	-5.21	1.50	1.50	0.00
2,400.00	4.50	173.64	2,399.69	-11.70	1.31	-11.71	1.50	1.50	0.00
2,433.22	5.00	173.64	2,432.80	-14.44	1.61	-14.45	1.50	1.50	0.00
2714' Hold									
2,500.00	5.00	173.64	2,499.32	-20.22	2.25	-20.24	0.00	0.00	0.00
2,600.00	5.00	173.64	2,598.94	-28.88	3.22	-28.90	0.00	0.00	0.00
2,700.00	5.00	173.64	2,698.56	-37.54	4.19	-37.57	0.00	0.00	0.00
2,800.00	5.00	173.64	2,798.18	-46.20	5.15	-46.24	0.00	0.00	0.00
2,900.00	5.00	173.64	2,897.80	-54.85	6.12	-54.90	0.00	0.00	0.00
3,000.00	5.00	173.64	2,997.42	-63.51	7.08	-63.57	0.00	0.00	0.00
3,100.00	5.00	173.64	3,097.04	-72.17	8.05	-72.24	0.00	0.00	0.00
3,200.00	5.00	173.64	3,196.66	-80.83	9.01	-80.90	0.00	0.00	0.00
3,250.53	5.00	173.64	3,247.00	-85.21	9.50	-85.28	0.00	0.00	0.00
Base Salt									
3,300.00	5.00	173.64	3,296.28	-89.49	9.98	-89.57	0.00	0.00	0.00
3,400.00	5.00	173.64	3,395.90	-98.15	10.95	-98.24	0.00	0.00	0.00
3,500.00	5.00	173.64	3,495.52	-106.81	11.91	-106.90	0.00	0.00	0.00
3,537.62	5.00	173.64	3,533.00	-110.07	12.27	-110.16	0.00	0.00	0.00
Yates									
3,600.00	5.00	173.64	3,595.14	-115.47	12.88	-115.57	0.00	0.00	0.00
3,700.00	5.00	173.64	3,694.76	-124.13	13.84	-124.24	0.00	0.00	0.00
3,800.00	5.00	173.64	3,794.38	-132.79	14.81	-132.90	0.00	0.00	0.00
3,887.95	5.00	173.64	3,882.00	-140.40	15.66	-140.53	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	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)
Seven Rivers									
3,900.00	5.00	173.64	3,894.00	-141.44	15.77	-141.57	0.00	0.00	0.00
4,000.00	5.00	173.64	3,993.62	-150.10	16.74	-150.24	0.00	0.00	0.00
4,100.00	5.00	173.64	4,093.24	-158.76	17.71	-158.90	0.00	0.00	0.00
4,200.00	5.00	173.64	4,192.86	-167.42	18.67	-167.57	0.00	0.00	0.00
4,300.00	5.00	173.64	4,292.48	-176.08	19.64	-176.24	0.00	0.00	0.00
4,400.00	5.00	173.64	4,392.10	-184.74	20.60	-184.91	0.00	0.00	0.00
4,500.00	5.00	173.64	4,491.72	-193.40	21.57	-193.57	0.00	0.00	0.00
4,600.00	5.00	173.64	4,591.34	-202.06	22.53	-202.24	0.00	0.00	0.00
4,662.90	5.00	173.64	4,654.00	-207.50	23.14	-207.69	0.00	0.00	0.00
Queen									
4,700.00	5.00	173.64	4,690.96	-210.72	23.50	-210.91	0.00	0.00	0.00
4,800.00	5.00	173.64	4,790.58	-219.37	24.47	-219.57	0.00	0.00	0.00
4,900.00	5.00	173.64	4,890.20	-228.03	25.43	-228.24	0.00	0.00	0.00
5,000.00	5.00	173.64	4,989.82	-236.69	26.40	-236.91	0.00	0.00	0.00
5,100.00	5.00	173.64	5,089.44	-245.35	27.36	-245.57	0.00	0.00	0.00
5,147.95	5.00	173.64	5,137.20	-249.50	27.83	-249.73	0.00	0.00	0.00
Drop 1.5°/100'									
5,200.00	4.22	173.64	5,189.09	-253.66	28.29	-253.89	1.50	-1.50	0.00
5,300.00	2.72	173.64	5,288.90	-259.67	28.96	-259.90	1.50	-1.50	0.00
5,400.00	1.22	173.64	5,388.84	-263.08	29.34	-263.32	1.50	-1.50	0.00
5,481.17	0.00	0.00	5,470.00	-263.94	29.44	-264.18	1.50	-1.50	0.00
4886' Hold									
5,500.00	0.00	0.00	5,488.83	-263.94	29.44	-264.18	0.00	0.00	0.00
5,600.00	0.00	0.00	5,588.83	-263.94	29.44	-264.18	0.00	0.00	0.00
5,700.00	0.00	0.00	5,688.83	-263.94	29.44	-264.18	0.00	0.00	0.00
5,800.00	0.00	0.00	5,788.83	-263.94	29.44	-264.18	0.00	0.00	0.00
5,900.00	0.00	0.00	5,888.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,000.00	0.00	0.00	5,988.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,100.00	0.00	0.00	6,088.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,200.00	0.00	0.00	6,188.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,300.00	0.00	0.00	6,288.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,400.00	0.00	0.00	6,388.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,500.00	0.00	0.00	6,488.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,600.00	0.00	0.00	6,588.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,700.00	0.00	0.00	6,688.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,800.00	0.00	0.00	6,788.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,900.00	0.00	0.00	6,888.83	-263.94	29.44	-264.18	0.00	0.00	0.00
6,910.17	0.00	0.00	6,899.00	-263.94	29.44	-264.18	0.00	0.00	0.00
Delaware Mtn Group									
7,000.00	0.00	0.00	6,988.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,100.00	0.00	0.00	7,088.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,200.00	0.00	0.00	7,188.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,300.00	0.00	0.00	7,288.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,400.00	0.00	0.00	7,388.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,500.00	0.00	0.00	7,488.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,600.00	0.00	0.00	7,588.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,700.00	0.00	0.00	7,688.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,800.00	0.00	0.00	7,788.83	-263.94	29.44	-264.18	0.00	0.00	0.00
7,866.17	0.00	0.00	7,855.00	-263.94	29.44	-264.18	0.00	0.00	0.00
Bone Spring Lime									
7,900.00	0.00	0.00	7,888.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,000.00	0.00	0.00	7,988.83	-263.94	29.44	-264.18	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,100.00	0.00	0.00	8,088.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,200.00	0.00	0.00	8,188.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,300.00	0.00	0.00	8,288.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,400.00	0.00	0.00	8,388.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,500.00	0.00	0.00	8,488.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,600.00	0.00	0.00	8,588.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,700.00	0.00	0.00	8,688.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,800.00	0.00	0.00	8,788.83	-263.94	29.44	-264.18	0.00	0.00	0.00
8,900.00	0.00	0.00	8,888.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,000.00	0.00	0.00	8,988.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,100.00	0.00	0.00	9,088.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,160.17	0.00	0.00	9,149.00	-263.94	29.44	-264.18	0.00	0.00	0.00
First Bone Spring Sand									
9,200.00	0.00	0.00	9,188.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,300.00	0.00	0.00	9,288.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,319.17	0.00	0.00	9,308.00	-263.94	29.44	-264.18	0.00	0.00	0.00
Second Bone Spring Carbonates									
9,400.00	0.00	0.00	9,388.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,496.17	0.00	0.00	9,485.00	-263.94	29.44	-264.18	0.00	0.00	0.00
Second Bone Spring Sand									
9,500.00	0.00	0.00	9,488.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,600.00	0.00	0.00	9,588.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,700.00	0.00	0.00	9,688.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,800.00	0.00	0.00	9,788.83	-263.94	29.44	-264.18	0.00	0.00	0.00
9,900.00	0.00	0.00	9,888.83	-263.94	29.44	-264.18	0.00	0.00	0.00
10,000.00	0.00	0.00	9,988.83	-263.94	29.44	-264.18	0.00	0.00	0.00
10,100.00	0.00	0.00	10,088.83	-263.94	29.44	-264.18	0.00	0.00	0.00
10,200.00	0.00	0.00	10,188.83	-263.94	29.44	-264.18	0.00	0.00	0.00
10,300.00	0.00	0.00	10,288.83	-263.94	29.44	-264.18	0.00	0.00	0.00
10,320.17	0.00	0.00	10,309.00	-263.94	29.44	-264.18	0.00	0.00	0.00
Third Bone Spring Carbonates									
10,367.21	0.00	0.00	10,356.04	-263.94	29.44	-264.18	0.00	0.00	0.00
Build 10°/100'									
10,400.00	3.28	359.52	10,388.81	-263.00	29.43	-263.24	10.00	10.00	0.00
10,418.24	5.10	359.52	10,407.00	-261.67	29.42	-261.91	10.00	10.00	0.00
Third Bone Spring Sand									
10,450.00	8.28	359.52	10,438.54	-257.97	29.38	-258.21	10.00	10.00	0.00
10,500.00	13.28	359.52	10,487.65	-248.62	29.31	-248.86	10.00	10.00	0.00
10,550.00	18.28	359.52	10,535.75	-235.03	29.19	-235.27	10.00	10.00	0.00
10,600.00	23.28	359.52	10,582.48	-217.30	29.04	-217.53	10.00	10.00	0.00
10,640.40	27.32	359.52	10,619.00	-200.04	28.89	-200.27	10.00	10.00	0.00
PPP @ 10640.4' - 113' FSL & 900' FWL - Wolfcamp									
10,650.00	28.28	359.52	10,627.49	-195.56	28.86	-195.80	10.00	10.00	0.00
10,700.00	33.28	359.52	10,670.43	-169.98	28.64	-170.22	10.00	10.00	0.00
10,711.00	34.38	359.52	10,679.57	-163.86	28.59	-164.09	10.00	10.00	0.00
FTP & 10711' - 150' FSL & 900' FWL									
10,750.00	38.28	359.52	10,710.98	-140.76	28.39	-140.99	10.00	10.00	0.00
10,800.00	43.28	359.52	10,748.83	-108.11	28.12	-108.35	10.00	10.00	0.00
10,850.00	48.28	359.52	10,783.69	-72.29	27.81	-72.53	10.00	10.00	0.00
10,900.00	53.28	359.52	10,815.30	-33.57	27.49	-33.80	10.00	10.00	0.00
10,950.00	58.28	359.52	10,843.41	7.76	27.14	7.53	10.00	10.00	0.00
11,000.00	63.28	359.52	10,867.81	51.38	26.77	51.15	10.00	10.00	0.00
11,050.00	68.28	359.52	10,888.32	96.96	26.38	96.74	10.00	10.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	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	73.28	359.52	10,904.77	144.16	25.98	143.93	10.00	10.00	0.00
11,150.00	78.28	359.52	10,917.05	192.61	25.57	192.39	10.00	10.00	0.00
11,200.00	83.28	359.52	10,925.06	241.94	25.15	241.72	10.00	10.00	0.00
11,250.00	88.28	359.52	10,928.74	291.79	24.73	291.57	10.00	10.00	0.00
11,267.21	90.00	359.52	10,929.00	309.00	24.59	308.78	10.00	10.00	0.00
8473' Hold - HZ Target									
11,300.00	90.00	359.52	10,929.00	341.79	24.31	341.57	0.00	0.00	0.00
11,400.00	90.00	359.52	10,929.00	441.78	23.46	441.57	0.00	0.00	0.00
11,500.00	90.00	359.52	10,929.00	541.78	22.62	541.57	0.00	0.00	0.00
11,600.00	90.00	359.52	10,929.00	641.78	21.77	641.57	0.00	0.00	0.00
11,700.00	90.00	359.52	10,929.00	741.77	20.93	741.57	0.00	0.00	0.00
11,800.00	90.00	359.52	10,929.00	841.77	20.08	841.57	0.00	0.00	0.00
11,900.00	90.00	359.52	10,929.00	941.76	19.23	941.57	0.00	0.00	0.00
12,000.00	90.00	359.52	10,929.00	1,041.76	18.39	1,041.57	0.00	0.00	0.00
12,100.00	90.00	359.52	10,929.00	1,141.76	17.54	1,141.57	0.00	0.00	0.00
12,200.00	90.00	359.52	10,929.00	1,241.75	16.69	1,241.57	0.00	0.00	0.00
12,300.00	90.00	359.52	10,929.00	1,341.75	15.85	1,341.57	0.00	0.00	0.00
12,400.00	90.00	359.52	10,929.00	1,441.75	15.00	1,441.57	0.00	0.00	0.00
12,500.00	90.00	359.52	10,929.00	1,541.74	14.16	1,541.57	0.00	0.00	0.00
12,600.00	90.00	359.52	10,929.00	1,641.74	13.31	1,641.57	0.00	0.00	0.00
12,700.00	90.00	359.52	10,929.00	1,741.74	12.46	1,741.57	0.00	0.00	0.00
12,800.00	90.00	359.52	10,929.00	1,841.73	11.62	1,841.57	0.00	0.00	0.00
12,900.00	90.00	359.52	10,929.00	1,941.73	10.77	1,941.57	0.00	0.00	0.00
13,000.00	90.00	359.52	10,929.00	2,041.73	9.93	2,041.57	0.00	0.00	0.00
13,100.00	90.00	359.52	10,929.00	2,141.72	9.08	2,141.57	0.00	0.00	0.00
13,200.00	90.00	359.52	10,929.00	2,241.72	8.23	2,241.57	0.00	0.00	0.00
13,300.00	90.00	359.52	10,929.00	2,341.71	7.39	2,341.57	0.00	0.00	0.00
13,400.00	90.00	359.52	10,929.00	2,441.71	6.54	2,441.57	0.00	0.00	0.00
13,500.00	90.00	359.52	10,929.00	2,541.71	5.70	2,541.57	0.00	0.00	0.00
13,600.00	90.00	359.52	10,929.00	2,641.70	4.85	2,641.57	0.00	0.00	0.00
13,700.00	90.00	359.52	10,929.00	2,741.70	4.00	2,741.57	0.00	0.00	0.00
13,800.00	90.00	359.52	10,929.00	2,841.70	3.16	2,841.57	0.00	0.00	0.00
13,900.00	90.00	359.52	10,929.00	2,941.69	2.31	2,941.57	0.00	0.00	0.00
14,000.00	90.00	359.52	10,929.00	3,041.69	1.46	3,041.57	0.00	0.00	0.00
14,100.00	90.00	359.52	10,929.00	3,141.69	0.62	3,141.57	0.00	0.00	0.00
14,200.00	90.00	359.52	10,929.00	3,241.68	-0.23	3,241.57	0.00	0.00	0.00
14,300.00	90.00	359.52	10,929.00	3,341.68	-1.07	3,341.57	0.00	0.00	0.00
14,400.00	90.00	359.52	10,929.00	3,441.67	-1.92	3,441.57	0.00	0.00	0.00
14,500.00	90.00	359.52	10,929.00	3,541.67	-2.77	3,541.57	0.00	0.00	0.00
14,600.00	90.00	359.52	10,929.00	3,641.67	-3.61	3,641.57	0.00	0.00	0.00
14,700.00	90.00	359.52	10,929.00	3,741.66	-4.46	3,741.57	0.00	0.00	0.00
14,800.00	90.00	359.52	10,929.00	3,841.66	-5.30	3,841.57	0.00	0.00	0.00
14,900.00	90.00	359.52	10,929.00	3,941.66	-6.15	3,941.57	0.00	0.00	0.00
15,000.00	90.00	359.52	10,929.00	4,041.65	-7.00	4,041.57	0.00	0.00	0.00
15,100.00	90.00	359.52	10,929.00	4,141.65	-7.84	4,141.57	0.00	0.00	0.00
15,200.00	90.00	359.52	10,929.00	4,241.65	-8.69	4,241.57	0.00	0.00	0.00
15,300.00	90.00	359.52	10,929.00	4,341.64	-9.54	4,341.57	0.00	0.00	0.00
15,400.00	90.00	359.52	10,929.00	4,441.64	-10.38	4,441.57	0.00	0.00	0.00
15,500.00	90.00	359.52	10,929.00	4,541.64	-11.23	4,541.57	0.00	0.00	0.00
15,600.00	90.00	359.52	10,929.00	4,641.63	-12.07	4,641.57	0.00	0.00	0.00
15,700.00	90.00	359.52	10,929.00	4,741.63	-12.92	4,741.57	0.00	0.00	0.00
15,800.00	90.00	359.52	10,929.00	4,841.62	-13.77	4,841.57	0.00	0.00	0.00
15,900.00	90.00	359.52	10,929.00	4,941.62	-14.61	4,941.57	0.00	0.00	0.00



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	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	359.52	10,929.00	5,041.62	-15.46	5,041.57	0.00	0.00	0.00	
16,100.00	90.00	359.52	10,929.00	5,141.61	-16.30	5,141.57	0.00	0.00	0.00	
16,200.00	90.00	359.52	10,929.00	5,241.61	-17.15	5,241.57	0.00	0.00	0.00	
16,300.00	90.00	359.52	10,929.00	5,341.61	-18.00	5,341.57	0.00	0.00	0.00	
16,400.00	90.00	359.52	10,929.00	5,441.60	-18.84	5,441.57	0.00	0.00	0.00	
16,500.00	90.00	359.52	10,929.00	5,541.60	-19.69	5,541.57	0.00	0.00	0.00	
16,600.00	90.00	359.52	10,929.00	5,641.60	-20.54	5,641.57	0.00	0.00	0.00	
16,700.00	90.00	359.52	10,929.00	5,741.59	-21.38	5,741.57	0.00	0.00	0.00	
16,800.00	90.00	359.52	10,929.00	5,841.59	-22.23	5,841.57	0.00	0.00	0.00	
16,900.00	90.00	359.52	10,929.00	5,941.59	-23.07	5,941.57	0.00	0.00	0.00	
17,000.00	90.00	359.52	10,929.00	6,041.58	-23.92	6,041.57	0.00	0.00	0.00	
17,100.00	90.00	359.52	10,929.00	6,141.58	-24.77	6,141.57	0.00	0.00	0.00	
17,200.00	90.00	359.52	10,929.00	6,241.57	-25.61	6,241.57	0.00	0.00	0.00	
17,300.00	90.00	359.52	10,929.00	6,341.57	-26.46	6,341.57	0.00	0.00	0.00	
17,400.00	90.00	359.52	10,929.00	6,441.57	-27.30	6,441.57	0.00	0.00	0.00	
17,500.00	90.00	359.52	10,929.00	6,541.56	-28.15	6,541.57	0.00	0.00	0.00	
17,600.00	90.00	359.52	10,929.00	6,641.56	-29.00	6,641.57	0.00	0.00	0.00	
17,700.00	90.00	359.52	10,929.00	6,741.56	-29.84	6,741.57	0.00	0.00	0.00	
17,800.00	90.00	359.52	10,929.00	6,841.55	-30.69	6,841.57	0.00	0.00	0.00	
17,900.00	90.00	359.52	10,929.00	6,941.55	-31.54	6,941.57	0.00	0.00	0.00	
18,000.00	90.00	359.52	10,929.00	7,041.55	-32.38	7,041.57	0.00	0.00	0.00	
18,100.00	90.00	359.52	10,929.00	7,141.54	-33.23	7,141.57	0.00	0.00	0.00	
18,200.00	90.00	359.52	10,929.00	7,241.54	-34.07	7,241.57	0.00	0.00	0.00	
18,300.00	90.00	359.52	10,929.00	7,341.54	-34.92	7,341.57	0.00	0.00	0.00	
18,400.00	90.00	359.52	10,929.00	7,441.53	-35.77	7,441.57	0.00	0.00	0.00	
18,500.00	90.00	359.52	10,929.00	7,541.53	-36.61	7,541.57	0.00	0.00	0.00	
18,600.00	90.00	359.52	10,929.00	7,641.52	-37.46	7,641.57	0.00	0.00	0.00	
18,700.00	90.00	359.52	10,929.00	7,741.52	-38.30	7,741.57	0.00	0.00	0.00	
18,800.00	90.00	359.52	10,929.00	7,841.52	-39.15	7,841.57	0.00	0.00	0.00	
18,900.00	90.00	359.52	10,929.00	7,941.51	-40.00	7,941.57	0.00	0.00	0.00	
19,000.00	90.00	359.52	10,929.00	8,041.51	-40.84	8,041.57	0.00	0.00	0.00	
19,100.00	90.00	359.52	10,929.00	8,141.51	-41.69	8,141.57	0.00	0.00	0.00	
19,200.00	90.00	359.52	10,929.00	8,241.50	-42.53	8,241.57	0.00	0.00	0.00	
19,300.00	90.00	359.52	10,929.00	8,341.50	-43.38	8,341.57	0.00	0.00	0.00	
19,400.00	90.00	359.52	10,929.00	8,441.50	-44.23	8,441.57	0.00	0.00	0.00	
19,500.00	90.00	359.52	10,929.00	8,541.49	-45.07	8,541.57	0.00	0.00	0.00	
19,600.00	90.00	359.52	10,929.00	8,641.49	-45.92	8,641.57	0.00	0.00	0.00	
19,700.00	90.00	359.52	10,929.00	8,741.49	-46.77	8,741.57	0.00	0.00	0.00	
19,740.72	90.00	359.52	10,929.00	8,782.20	-47.11	8,782.29	0.00	0.00	0.00	
TD at 19740.72										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Gold State Com 701H - hit/miss target - Shape - Point	0.00	0.00	10,929.00	8,782.20	-47.11	631,282.05	786,302.27	32.732902	-103.536703	
Gold State Com 701H - plan misses target center by 237.36usft at 10813.98usft MD (10758.89 TVD, -98.41 N, 28.03 E) - Point	0.00	0.00	10,929.00	-263.94	29.44	622,235.91	786,378.81	32.708037	-103.536675	



Altitude Energy Partners

Planning Report



Database:	DM Local	Local Co-ordinate Reference:	Well Gold State Com 701H
Company:	Franklin Mountain Energy	TVD Reference:	KB=30 @ 4020.00usft
Project:	Lea Co., NM (NAD-83)	MD Reference:	KB=30 @ 4020.00usft
Site:	Gold Rush Pad	North Reference:	Grid
Well:	Gold State Com 701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
30.00	30.00	Cenozoic Alluvium (surface)			
1,895.00	1,895.00	Rustler			
2,103.00	2,103.00	Salado			
3,250.53	3,247.00	Base Salt			
3,537.62	3,533.00	Yates			
3,887.95	3,882.00	Seven Rivers			
4,662.90	4,654.00	Queen			
6,910.17	6,899.00	Delaware Mtn Group			
7,866.17	7,855.00	Bone Spring Lime			
9,160.17	9,149.00	First Bone Spring Sand			
9,319.17	9,308.00	Second Bone Spring Carbonates			
9,496.17	9,485.00	Second Bone Spring Sand			
10,320.17	10,309.00	Third Bone Spring Carbonates			
10,418.24	10,407.00	Third Bone Spring Sand			
10,640.40	10,619.00	Wolfcamp			
11,267.21	10,929.00	HZ Target			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,100.00	2,100.00	0.00	0.00	Build 1.5°/100'
2,433.22	2,432.80	-14.44	1.61	2714' Hold
5,147.95	5,137.20	-249.50	27.83	Drop 1.5°/100'
5,481.17	5,470.00	-263.94	29.44	4886' Hold
10,367.21	10,356.04	-263.94	29.44	Build 10°/100'
10,640.40	10,619.00	-200.04	28.89	PPP @ 10640.4' - 113' FSL & 900' FWL
10,711.00	10,679.57	-163.86	28.59	FTP & 10711' - 150' FSL & 900' FWL
11,267.21	10,929.00	309.00	24.59	8473' Hold
19,740.72	10,929.00	8,782.20	-47.11	TD at 19740.72



Franklin Mountain Energy

Lea Co., NM (NAD-83)

Gold Rush Pad

Gold State Com 701H

OH

Plan 1

Anticollision Report

25 May, 2023





Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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	5/25/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	19,740.60	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						
Gold Rush Offsets						
Compton State #001 (P&A) - OH - OH						Out of range
Kingfisher State Com 2H - OH - OH						Out of range
Magpie State #1 - Halliburton Curve Lateral - Halliburton	15,313.95	10,372.26	889.51	826.71	14.165	CC, ES
Magpie State #1 - Halliburton Curve Lateral - Halliburton	15,400.00	10,362.00	893.73	829.58	13.932	SF
Magpie State #1 - OH - Franklin Mountain Surveys	15,263.46	10,405.00	883.64	820.78	14.057	CC
Magpie State #1 - OH - Franklin Mountain Surveys	15,300.00	10,405.00	884.39	820.55	13.853	ES
Magpie State #1 - OH - Franklin Mountain Surveys	15,700.00	10,389.27	985.37	892.39	10.597	SF
Magpie State #1 - State Pason Lateral - State Pason Lat	15,261.92	10,405.00	881.61	817.94	13.845	CC
Magpie State #1 - State Pason Lateral - State Pason Lat	15,300.00	10,405.00	882.43	817.70	13.632	ES
Magpie State #1 - State Pason Lateral - State Pason Lat	15,700.00	10,387.97	984.18	890.64	10.521	SF
Magpie State #1 - State Pason Pilot - State Pason Pilot	15,256.44	10,620.00	624.34	478.78	4.289	CC, ES
Magpie State #1 - State Pason Pilot - State Pason Pilot	15,300.00	10,620.00	625.86	479.58	4.279	SF
Pre-Ongard Well #001 (30-025-29050) (P&A) - OH - OH						Out of range
Sherry M State #001 (P&A) - OH - OH	11,631.73	10,900.00	254.77	-4.15	0.984	Collision Risk Procedures
State HQ # 004 (P&A) - OH - OH						Out of range
State HQ #006 (P&A) - OH - OH						Out of range
State HQ #007 (P&A) - OH - OH	12,621.29	10,900.00	258.55	-3.44	0.987	Collision Risk Procedures
State HQ #008 - OH - OH	13,942.60	10,900.00	259.66	-31.70	0.891	Collision Risk Procedures
Tin Cup 36 State Com 2H - OH - OH	9,862.57	15,079.35	758.67	607.26	5.011	CC, ES, SF
Gold Rush Pad						
Gold State Com 301H - OH - Plan 1	2,000.00	2,000.00	49.99	38.87	4.496	CC, ES
Gold State Com 301H - OH - Plan 1	2,100.00	2,098.86	51.11	39.68	4.471	SF
Gold State Com 601H - OH - Plan 1	2,100.00	2,100.00	24.99	13.57	2.187	CC, ES, SF
Gold State Com 801H - OH - Plan 1	2,253.13	2,253.09	24.81	12.98	2.097	CC
Gold State Com 801H - OH - Plan 1	2,300.00	2,299.91	24.91	12.96	2.084	ES, SF

Offset Design:	Gold Rush Offsets - Magpie State #1 - Halliburton Curve Lateral - Halliburton Curve Lateral										Offset Site Error:	0.00 usft
Survey Program:	9410-MWD										Offset Well Error:	0.00 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Distance	Rule Assigned:	Offset Well Error:	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
14,900.00	10,929.00	10,389.22	10,039.62	59.93	13.50	5.71	4,354.74	78.93	980.70	929.16	51.54	19.027
15,000.00	10,929.00	10,385.17	10,039.35	61.35	13.41	5.45	4,355.01	74.90	943.01	888.39	54.63	17.263

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Magpie State #1 - Halliburton Curve Lateral - Halliburton Curve Lateral													Offset Site Error: 0.00 usft
Survey Program: 9410-MWD													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 (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
15,100.00	10,929.00	10,381.09	10,039.06	62.76	13.31	5.19	4,355.27	70.84	914.72	857.12	57.60	15.881	
15,200.00	10,929.00	10,376.98	10,038.76	64.18	13.21	4.93	4,355.54	66.75	896.71	836.42	60.29	14.874	
15,300.00	10,929.00	10,372.84	10,038.43	65.60	13.11	4.66	4,355.81	62.63	889.61	827.09	62.53	14.228	
15,313.95	10,929.00	10,372.26	10,038.39	65.80	13.10	4.62	4,355.85	62.05	889.51	826.71	62.80	14.165 CC, ES	
15,400.00	10,929.00	10,362.00	10,037.51	67.03	12.85	3.96	4,356.53	51.85	893.73	829.58	64.15	13.932 SF	
15,500.00	10,929.00	10,362.00	10,037.51	68.45	12.85	3.96	4,356.53	51.85	908.78	843.56	65.21	13.935	
15,600.00	10,929.00	10,362.00	10,037.51	69.87	12.85	3.96	4,356.53	51.85	934.35	868.68	65.66	14.229	
15,700.00	10,929.00	10,362.00	10,037.51	71.30	12.85	3.96	4,356.53	51.85	969.60	904.02	65.58	14.784	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Magpie State #1 - OH - Franklin Mountain Surveys

Survey Program: Reference		111-MWD					Rule Assigned:				Offset Well Error: 0.00 usft		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Reference (usft)	Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,800.00	10,929.00	10,428.43	10,043.40	58.52	97.93	4.23	4,304.00	55.94	997.36	916.97	80.39	12.406	
14,900.00	10,929.00	10,424.05	10,043.23	59.93	97.91	3.94	4,304.26	51.58	955.17	879.27	75.90	12.584	
15,000.00	10,929.00	10,419.61	10,043.04	61.35	97.90	3.66	4,304.54	47.15	921.90	850.94	70.96	12.992	
15,100.00	10,929.00	10,415.09	10,042.84	62.76	97.88	3.37	4,304.82	42.65	898.54	832.39	66.15	13.584	
15,200.00	10,929.00	10,405.00	10,042.35	64.18	97.85	2.71	4,305.45	32.59	885.91	823.09	62.83	14.101	
15,263.46	10,929.00	10,405.00	10,042.35	65.09	97.85	2.71	4,305.45	32.59	883.64	820.78	62.86	14.057	CC
15,300.00	10,929.00	10,405.00	10,042.35	65.60	97.85	2.71	4,305.45	32.59	884.39	820.55	63.84	13.853	ES
15,400.00	10,929.00	10,405.00	10,042.35	67.03	97.85	2.71	4,305.45	32.59	894.13	824.55	69.58	12.850	
15,500.00	10,929.00	10,405.00	10,042.35	68.45	97.85	2.71	4,305.45	32.59	914.75	837.19	77.57	11.793	
15,600.00	10,929.00	10,393.43	10,041.70	69.87	97.81	1.96	4,306.19	21.06	945.43	859.89	85.54	11.052	
15,700.00	10,929.00	10,389.27	10,041.43	71.30	97.80	1.70	4,306.46	16.91	985.37	892.39	92.98	10.597	SF

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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:Gold Rush Offsets - Magpie State #1 - State Pason Lateral - State Pason Lateral													Offset Site Error:	0.00 usft
Survey Program: Reference		111-MWD, 9441-MWD 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	
14,800.00	10,929.00	10,429.71	10,045.34	58.52	97.94	4.23	4,302.35	55.92	994.88	914.36	80.52	12.356		
14,900.00	10,929.00	10,424.40	10,045.13	59.93	97.92	3.89	4,302.68	50.62	952.75	876.67	76.08	12.524		
15,000.00	10,929.00	10,419.03	10,044.92	61.35	97.90	3.54	4,303.02	45.26	919.55	848.34	71.22	12.912		
15,100.00	10,929.00	10,413.61	10,044.70	62.76	97.88	3.19	4,303.36	39.85	896.30	829.74	66.56	13.466		
15,200.00	10,929.00	10,405.00	10,044.32	64.18	97.85	2.63	4,303.90	31.27	883.78	820.26	63.52	13.913		
15,261.92	10,929.00	10,405.00	10,044.32	65.06	97.85	2.63	4,303.90	31.27	881.61	817.94	63.68	13.845	CC	
15,300.00	10,929.00	10,405.00	10,044.32	65.60	97.85	2.63	4,303.90	31.27	882.43	817.70	64.73	13.632	ES	
15,400.00	10,929.00	10,405.00	10,044.32	67.03	97.85	2.63	4,303.90	31.27	892.36	821.91	70.46	12.666		
15,500.00	10,929.00	10,405.00	10,044.32	68.45	97.85	2.63	4,303.90	31.27	913.19	834.86	78.34	11.657		
15,600.00	10,929.00	10,391.86	10,043.63	69.87	97.81	1.78	4,304.74	18.17	944.04	857.86	86.19	10.954		
15,700.00	10,929.00	10,387.97	10,043.40	71.30	97.80	1.53	4,304.99	14.30	984.18	890.64	93.55	10.521	SF	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Magpie State #1 - State Pason Pilot - State Pason Pilot

Survey Program: 111-MWD										Rule Assigned:		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		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	
14,500.00	10,929.00	10,620.00	10,618.28	54.28	96.98	-60.58	4,293.48	-552.95	980.81	855.83	124.97	7.848	
14,600.00	10,929.00	10,620.00	10,618.28	55.69	96.98	-60.58	4,293.48	-552.95	905.93	778.65	127.27	7.118	
14,700.00	10,929.00	10,620.00	10,618.28	57.10	96.98	-60.58	4,293.48	-552.95	836.31	706.43	129.88	6.439	
14,800.00	10,929.00	10,620.00	10,618.28	58.52	96.98	-60.58	4,293.48	-552.95	773.39	640.63	132.75	5.826	
14,900.00	10,929.00	10,620.00	10,618.28	59.93	96.98	-60.58	4,293.48	-552.95	718.92	583.09	135.82	5.293	
15,000.00	10,929.00	10,620.00	10,618.28	61.35	96.98	-60.58	4,293.48	-552.95	674.95	536.01	138.94	4.858	
15,100.00	10,929.00	10,620.00	10,618.28	62.76	96.98	-60.58	4,293.48	-552.95	643.64	501.75	141.88	4.536	
15,200.00	10,929.00	10,620.00	10,618.28	64.18	96.98	-60.58	4,293.48	-552.95	626.88	482.48	144.41	4.341	
15,256.44	10,929.00	10,620.00	10,618.28	64.99	96.98	-60.58	4,293.48	-552.95	624.34	478.78	145.56	4.289	CC, ES
15,300.00	10,929.00	10,620.00	10,618.28	65.60	96.98	-60.58	4,293.48	-552.95	625.86	479.58	146.28	4.279	SF
15,400.00	10,929.00	10,620.00	10,618.28	67.03	96.98	-60.58	4,293.48	-552.95	640.63	493.29	147.34	4.348	
15,500.00	10,929.00	10,620.00	10,618.28	68.45	96.98	-60.58	4,293.48	-552.95	670.17	522.58	147.59	4.541	
15,600.00	10,929.00	10,620.00	10,618.28	69.87	96.98	-60.58	4,293.48	-552.95	712.63	565.49	147.14	4.843	
15,700.00	10,929.00	10,620.00	10,618.28	71.30	96.98	-60.58	4,293.48	-552.95	765.87	619.69	146.18	5.239	
15,800.00	10,929.00	10,620.00	10,618.28	72.73	96.98	-60.58	4,293.48	-552.95	827.81	682.89	144.91	5.712	
15,900.00	10,929.00	10,620.00	10,618.28	74.15	96.98	-60.58	4,293.48	-552.95	896.65	753.14	143.50	6.248	
16,000.00	10,929.00	10,620.00	10,618.28	75.58	96.98	-60.58	4,293.48	-552.95	970.92	828.86	142.07	6.834	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Sherry M State #001 (P&A) - OH - OH													Offset Site Error:
Survey Program: 397-INC-ONLY													Offset Well Error:
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
0.00	0.00	0.00	0.00	0.00	0.00	-19.16	671.35	-233.25	711.27				
100.00	100.00	72.00	72.00	0.79	2.23	-19.16	671.35	-233.25	710.72	707.70	3.02	235.301	
200.00	200.00	172.00	172.00	1.45	5.32	-19.16	671.35	-233.25	710.72	703.94	6.77	104.939	
300.00	300.00	272.00	272.00	1.89	8.42	-19.16	671.35	-233.25	710.72	700.40	10.31	68.920	
400.00	400.00	372.00	372.00	2.26	11.51	-19.16	671.35	-233.25	710.72	696.95	13.77	51.619	
500.00	500.00	473.58	473.56	2.57	13.33	-19.15	671.51	-233.25	710.87	694.97	15.90	44.700	
600.00	600.00	572.02	572.00	2.85	15.87	-19.16	671.35	-233.25	710.72	692.00	18.72	37.965	
700.00	700.00	672.02	672.00	3.11	19.15	-19.16	671.35	-233.25	710.72	688.45	22.26	31.923	
800.00	800.00	772.02	772.00	3.35	22.44	-19.16	671.35	-233.25	710.72	684.93	25.79	27.559	
900.00	900.00	872.59	872.57	3.58	25.74	-19.13	672.38	-233.25	711.69	682.37	29.32	24.274	
1,000.00	1,000.00	974.00	973.96	3.79	29.07	-19.14	672.19	-233.25	711.51	678.65	32.86	21.650	
1,100.00	1,100.00	1,075.40	1,075.36	4.00	32.40	-19.15	671.79	-233.25	711.14	674.74	36.40	19.537	
1,200.00	1,200.00	1,172.08	1,172.00	4.19	35.23	-19.16	671.35	-233.25	710.72	671.29	39.42	18.027	
1,300.00	1,300.00	1,272.08	1,272.00	4.38	36.79	-19.16	671.35	-233.25	710.72	669.55	41.17	17.263	
1,400.00	1,400.00	1,373.39	1,373.31	4.56	38.37	-19.15	671.86	-233.25	711.20	668.27	42.93	16.566	
1,500.00	1,500.00	1,476.05	1,475.97	4.74	39.96	-19.16	671.46	-233.25	710.83	666.12	44.70	15.901	
1,555.17	1,555.17	1,527.27	1,527.17	4.84	41.14	-19.16	671.35	-233.25	710.72	664.74	45.98	15.458	
1,600.00	1,600.00	1,572.11	1,572.00	4.91	42.34	-19.16	671.35	-233.25	710.72	663.47	47.25	15.042	
1,700.00	1,700.00	1,672.11	1,672.00	5.08	45.00	-19.16	671.35	-233.25	710.72	660.64	50.08	14.192	
1,800.00	1,800.00	1,772.11	1,772.00	5.24	47.66	-19.16	671.35	-233.25	710.72	657.81	52.91	13.433	
1,900.00	1,900.00	1,872.61	1,872.50	5.40	50.34	-19.13	672.45	-233.25	711.76	656.01	55.74	12.768	
2,000.00	2,000.00	1,973.93	1,973.82	5.56	53.04	-19.13	672.28	-233.25	711.59	652.99	58.60	12.143	
2,100.00	2,100.00	2,075.26	2,075.14	5.71	55.74	-19.14	671.90	-233.25	711.25	649.79	61.45	11.574	
2,118.53	2,118.53	2,094.03	2,093.91	5.74	56.24	167.22	671.81	-233.25	711.20	649.22	61.98	11.475	
2,200.00	2,199.99	2,176.58	2,176.45	5.88	58.44	167.23	671.33	-233.25	711.99	647.68	64.31	11.071	
2,300.00	2,299.91	2,272.09	2,271.91	6.02	60.13	167.28	671.35	-233.25	715.82	649.67	66.15	10.821	
2,400.00	2,399.69	2,372.88	2,372.68	6.19	61.94	167.39	672.08	-233.25	722.89	654.76	68.13	10.611	
2,433.22	2,432.80	2,407.20	2,407.00	6.22	62.56	167.43	672.00	-233.25	725.50	656.73	68.77	10.550	
2,500.00	2,499.32	2,476.20	2,476.00	6.29	63.80	167.53	671.65	-233.25	730.87	660.79	70.08	10.429	
2,600.00	2,598.94	2,571.19	2,570.94	6.47	65.82	167.66	671.35	-233.25	739.08	666.80	72.28	10.226	
2,700.00	2,698.56	2,670.81	2,670.56	6.66	68.17	167.80	671.35	-233.25	747.59	672.78	74.81	9.993	
2,800.00	2,798.18	2,770.43	2,770.18	6.87	70.52	167.94	671.35	-233.25	756.11	678.75	77.37	9.773	
2,900.00	2,897.80	2,872.92	2,872.65	7.10	72.93	168.11	672.60	-233.25	765.83	685.83	80.00	9.572	
3,000.00	2,997.42	2,975.75	2,975.47	7.34	75.35	168.23	671.98	-233.25	773.79	691.13	82.66	9.361	
3,100.00	3,097.04	3,069.48	3,069.04	7.59	77.51	168.34	671.35	-233.25	781.70	696.63	85.07	9.189	
3,200.00	3,196.66	3,169.10	3,168.66	7.85	79.68	168.47	671.35	-233.25	790.23	702.74	87.49	9.032	
3,300.00	3,296.28	3,269.77	3,269.31	8.12	81.87	168.63	672.93	-233.25	800.28	710.34	89.95	8.897	
3,400.00	3,395.90	3,375.42	3,374.94	8.41	84.16	168.75	672.38	-233.25	808.33	715.81	92.52	8.737	
3,500.00	3,495.52	3,468.08	3,467.52	8.70	86.16	168.84	671.35	-233.25	815.87	721.06	94.80	8.606	
3,600.00	3,595.14	3,567.70	3,567.14	8.99	88.14	168.95	671.35	-233.25	824.42	727.34	97.08	8.492	
3,700.00	3,694.76	3,667.32	3,666.76	9.30	90.12	169.07	671.35	-233.25	832.97	733.61	99.36	8.384	
3,800.00	3,794.38	3,768.05	3,767.49	9.61	92.12	169.20	672.48	-233.25	842.61	740.94	101.67	8.288	
3,900.00	3,894.00	3,870.44	3,869.87	9.92	94.16	169.31	672.17	-233.25	850.88	746.86	104.01	8.180	
4,000.00	3,993.62	3,972.89	3,972.31	10.24	96.20	169.41	671.51	-233.25	858.83	752.46	106.37	8.074	
4,100.00	4,093.24	4,065.84	4,065.24	10.57	98.11	169.50	671.35	-233.25	867.22	758.62	108.60	7.985	
4,200.00	4,192.86	4,165.46	4,164.86	10.90	100.18	169.61	671.35	-233.25	875.79	764.79	110.00	7.890	
4,300.00	4,292.48	4,265.08	4,264.48	11.23	102.25	169.71	671.35	-233.25	884.36	770.96	113.40	7.799	
4,400.00	4,392.10	4,365.69	4,365.09	11.57	104.34	169.82	671.95	-233.25	893.51	777.69	115.82	7.715	
4,500.00	4,491.72	4,466.62	4,466.01	11.91	106.43	169.92	671.76	-233.25	901.91	783.65	118.25	7.627	
4,600.00	4,591.34	4,567.57	4,566.96	12.25	108.53	170.01	671.42	-233.25	910.16	789.47	120.69	7.541	
4,700.00	4,690.96	4,663.61	4,662.96	12.60	110.41	170.10	671.35	-233.25	918.67	795.76	122.91	7.474	
4,800.00	4,790.58	4,764.24	4,763.58	12.94	112.36	170.20	672.04	-233.25	927.92	802.72	125.21	7.411	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Sherry M State #001 (P&A) - OH - OH													Offset Site Error:
Survey Program: 397-INC-ONLY													Offset Well Error:
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
4,900.00	4,890.20	4,869.02	4,868.35	13.29	114.39	170.29	671.62	-233.25	936.13	808.55	127.58	7.337	
5,000.00	4,989.82	4,962.52	4,961.82	13.65	116.42	170.37	671.35	-233.25	944.44	814.47	129.96	7.267	
5,100.00	5,089.44	5,063.28	5,062.57	14.00	118.76	170.47	671.95	-233.25	953.60	820.95	132.66	7.189	
5,147.95	5,137.20	5,113.99	5,113.27	14.15	119.94	170.51	671.80	-233.25	957.59	823.61	133.99	7.147	
5,200.00	5,189.09	5,169.09	5,168.38	14.32	121.22	170.56	671.47	-233.25	961.41	825.98	135.43	7.099	
5,300.00	5,288.90	5,261.72	5,260.90	14.67	123.34	170.62	671.35	-233.25	967.24	829.35	137.90	7.014	
5,400.00	5,388.84	5,364.79	5,363.93	14.97	125.70	170.69	672.83	-233.25	972.06	831.50	140.56	6.916	
5,481.17	5,470.00	5,456.95	5,456.07	15.09	127.81	-15.68	671.99	-233.25	972.20	829.41	142.78	6.809	
5,500.00	5,488.83	5,478.34	5,477.45	15.09	128.30	-15.68	671.64	-233.25	971.90	828.63	143.27	6.784	
5,530.88	5,519.71	5,513.41	5,512.50	15.11	129.10	-15.69	670.95	-233.25	971.31	827.23	144.08	6.741	
5,600.00	5,588.83	5,561.77	5,560.83	15.15	130.11	-15.69	671.35	-233.25	971.48	826.34	145.14	6.693	
5,700.00	5,688.83	5,661.77	5,660.83	15.19	132.25	-15.69	671.35	-233.25	971.48	824.15	147.33	6.594	
5,800.00	5,788.83	5,763.18	5,762.23	15.24	134.43	-15.68	672.03	-233.25	972.13	822.58	149.55	6.500	
5,900.00	5,888.83	5,866.07	5,865.12	15.28	136.63	-15.68	671.72	-233.25	971.84	820.04	151.80	6.402	
6,000.00	5,988.83	5,961.86	5,960.83	15.33	138.73	-15.69	671.35	-233.25	971.48	817.54	153.94	6.311	
6,100.00	6,088.83	6,061.86	6,060.83	15.37	141.02	-15.69	671.35	-233.25	971.48	815.21	156.27	6.216	
6,200.00	6,188.83	6,161.86	6,160.83	15.42	143.31	-15.69	671.35	-233.25	971.48	812.87	158.61	6.125	
6,300.00	6,288.83	6,265.94	6,264.89	15.46	145.69	-15.66	672.81	-233.25	972.90	811.86	161.04	6.041	
6,400.00	6,388.83	6,371.13	6,370.06	15.51	148.10	-15.68	672.07	-233.25	972.22	808.73	163.49	5.947	
6,500.00	6,488.83	6,461.98	6,460.83	15.56	150.14	-15.69	671.35	-233.25	971.48	805.90	165.58	5.867	
6,600.00	6,588.83	6,561.98	6,560.83	15.60	152.30	-15.69	671.35	-233.25	971.48	803.69	167.79	5.790	
6,700.00	6,688.83	6,662.33	6,661.17	15.65	154.47	-15.67	672.31	-233.25	972.40	802.40	170.00	5.720	
6,800.00	6,788.83	6,766.22	6,765.06	15.70	156.71	-15.68	672.05	-233.25	972.16	799.87	172.29	5.642	
6,900.00	6,888.83	6,870.13	6,868.96	15.74	158.96	-15.69	671.37	-233.25	971.53	796.94	174.59	5.565	
6,937.77	6,926.60	6,899.83	6,898.60	15.76	159.55	-15.69	671.35	-233.25	971.48	796.28	175.20	5.545	
7,000.00	6,988.83	6,962.06	6,960.83	15.79	160.80	-15.69	671.35	-233.25	971.48	795.01	176.47	5.505	
7,100.00	7,088.83	7,062.06	7,060.83	15.84	162.80	-15.69	671.35	-233.25	971.48	792.96	178.52	5.442	
7,200.00	7,188.83	7,165.53	7,164.28	15.89	164.87	-15.67	672.41	-233.25	972.51	791.86	180.64	5.384	
7,300.00	7,288.83	7,270.45	7,269.19	15.94	166.96	-15.68	671.75	-233.25	971.90	789.11	182.79	5.317	
7,400.00	7,388.83	7,362.12	7,360.83	15.99	168.84	-15.69	671.35	-233.25	971.48	786.77	184.71	5.260	
7,500.00	7,488.83	7,462.12	7,460.83	16.04	170.91	-15.69	671.35	-233.25	971.48	784.65	186.83	5.200	
7,600.00	7,588.83	7,562.12	7,560.83	16.08	172.99	-15.69	671.35	-233.25	971.48	782.52	188.96	5.141	
7,700.00	7,688.83	7,662.68	7,661.39	16.13	175.07	-15.68	672.01	-233.25	972.12	781.02	191.10	5.087	
7,800.00	7,788.83	7,764.02	7,762.73	16.18	177.18	-15.68	671.88	-233.25	971.99	778.74	193.25	5.030	
7,900.00	7,888.83	7,865.36	7,864.07	16.23	179.28	-15.68	671.60	-233.25	971.73	776.33	195.40	4.973	
8,000.00	7,988.83	7,962.17	7,960.83	16.29	181.19	-15.69	671.35	-233.25	971.48	774.11	197.36	4.922	
8,100.00	8,088.83	8,062.17	8,060.83	16.34	182.97	-15.69	671.35	-233.25	971.48	772.29	199.19	4.877	
8,200.00	8,188.83	8,167.90	8,166.55	16.39	184.84	-15.68	671.66	-233.25	971.80	770.68	201.12	4.832	
8,300.00	8,288.83	8,262.19	8,260.83	16.44	186.51	-15.69	671.35	-233.25	971.48	768.65	202.83	4.790	
8,400.00	8,388.83	8,362.19	8,360.83	16.49	188.27	-15.69	671.35	-233.25	971.48	766.84	204.64	4.747	
8,500.00	8,488.83	8,462.52	8,461.15	16.54	190.03	-15.68	671.58	-233.25	971.70	765.24	206.46	4.706	
8,600.00	8,588.83	8,563.46	8,562.10	16.59	191.81	-15.69	671.50	-233.25	971.62	763.33	208.29	4.665	
8,700.00	8,688.83	8,662.21	8,660.83	16.65	193.57	-15.69	671.35	-233.25	971.48	761.37	210.11	4.624	
8,800.00	8,788.83	8,762.21	8,760.83	16.70	195.52	-15.69	671.35	-233.25	971.48	759.38	212.10	4.580	
8,900.00	8,888.83	8,862.21	8,860.83	16.75	197.46	-15.69	671.35	-233.25	971.48	757.38	214.10	4.538	
9,000.00	8,988.83	8,964.48	8,963.10	16.80	199.44	-15.68	672.01	-233.25	972.11	755.98	216.14	4.498	
9,100.00	9,088.83	9,067.20	9,065.81	16.86	201.44	-15.68	671.61	-233.25	971.74	753.56	218.18	4.454	
9,200.00	9,188.83	9,162.25	9,160.83	16.91	203.34	-15.69	671.35	-233.25	971.48	751.34	220.14	4.413	
9,300.00	9,288.83	9,262.25	9,260.83	16.96	205.39	-15.69	671.35	-233.25	971.48	749.24	222.24	4.371	
9,400.00	9,388.83	9,365.62	9,364.19	17.02	207.50	-15.68	671.73	-233.25	971.85	747.44	224.41	4.331	
9,500.00	9,488.83	9,462.30	9,460.83	17.07	209.50	-15.69	671.35	-233.25	971.48	745.02	226.46	4.290	
9,600.00	9,588.83	9,562.30	9,560.83	17.13	211.62	-15.69	671.35	-233.25	971.48	742.84	228.64	4.249	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Sherry M State #001 (P&A) - OH - OH

Survey Program:		397-INC-ONLY							Rule Assigned:				Offset Well Error:		0.00 usft
Reference	Offset	Semi Major Axis			Offset Wellbore Centre		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		
9,700.00	9,688.83	9,669.41	9,667.92	17.18	213.89	-15.68	671.74	-233.25	971.88	740.91	230.96	4.208			
9,800.00	9,788.83	9,762.35	9,760.83	17.23	216.00	-15.69	671.35	-233.25	971.48	738.35	233.13	4.167			
9,900.00	9,888.83	9,862.35	9,860.83	17.29	218.40	-15.69	671.35	-233.25	971.48	735.90	235.58	4.124			
10,000.00	9,988.83	9,962.35	9,960.83	17.34	220.79	-15.69	671.35	-233.25	971.48	733.45	238.03	4.081			
10,100.00	10,088.83	10,062.35	10,060.83	17.40	223.19	-15.69	671.35	-233.25	971.48	731.00	240.48	4.040			
10,200.00	10,188.83	10,164.64	10,163.10	17.46	225.64	-15.67	672.78	-233.25	972.86	729.87	242.98	4.004			
10,300.00	10,288.83	10,267.02	10,265.48	17.51	228.09	-15.67	672.40	-233.25	972.50	727.01	245.49	3.961			
10,367.21	10,356.04	10,335.83	10,334.28	17.54	229.73	-15.68	672.01	-233.25	972.13	724.97	247.16	3.933			
10,400.00	10,388.81	10,369.38	10,367.83	17.52	230.54	-15.24	671.77	-233.25	971.00	723.06	247.95	3.916			
10,450.00	10,438.54	10,420.25	10,418.69	17.46	231.76	-15.47	671.36	-233.25	965.76	716.65	249.11	3.877			
10,500.00	10,487.65	10,461.31	10,459.65	17.39	232.62	-15.85	671.35	-233.25	956.71	706.81	249.90	3.828			
10,550.00	10,535.75	10,509.41	10,507.75	17.30	233.64	-16.45	671.35	-233.25	943.61	692.79	250.82	3.762			
10,600.00	10,582.48	10,556.14	10,554.48	17.20	234.62	-17.29	671.35	-233.25	926.55	674.84	251.71	3.681			
10,650.00	10,627.49	10,601.15	10,599.49	17.11	235.57	-18.41	671.35	-233.25	905.67	653.12	252.55	3.586			
10,700.00	10,670.43	10,644.09	10,642.43	17.01	236.48	-19.86	671.35	-233.25	881.15	627.80	253.35	3.478			
10,750.00	10,710.98	10,684.64	10,682.98	16.91	237.33	-21.73	671.35	-233.25	853.22	599.12	254.10	3.358			
10,800.00	10,748.83	10,722.49	10,720.83	16.82	238.13	-24.12	671.35	-233.25	822.12	567.33	254.79	3.227			
10,850.00	10,783.69	10,757.35	10,755.69	16.73	238.86	-27.17	671.35	-233.25	788.14	532.72	255.42	3.086			
10,900.00	10,815.30	10,788.96	10,787.30	16.65	239.53	-31.07	671.35	-233.25	751.60	495.61	255.99	2.936			
10,950.00	10,843.41	10,817.07	10,815.41	16.58	240.12	-36.05	671.35	-233.25	712.85	456.36	256.49	2.779			
11,000.00	10,867.81	10,841.47	10,839.81	16.52	240.64	-42.32	671.35	-233.25	672.29	415.37	256.92	2.617			
11,050.00	10,888.32	10,861.98	10,860.32	16.47	241.07	-50.05	671.35	-233.25	630.34	373.07	257.27	2.450			
11,100.00	10,904.77	10,878.43	10,876.77	16.43	241.42	-59.13	671.35	-233.25	587.48	329.93	257.55	2.281			
11,150.00	10,917.05	10,890.71	10,889.05	16.40	241.68	-69.02	671.35	-233.25	544.23	286.48	257.75	2.111			
11,200.00	10,925.06	10,898.72	10,897.06	16.39	241.84	-78.79	671.35	-233.25	501.16	243.29	257.88	1.943	Collision Risk Procedures Req.		
11,250.00	10,928.74	10,900.00	10,898.27	16.39	241.87	-86.87	671.35	-233.25	458.94	201.09	257.85	1.780	Collision Risk Procedures Req.		
11,267.21	10,929.00	10,900.00	10,898.27	16.40	241.87	-89.39	671.35	-233.25	444.73	186.89	257.84	1.725	Collision Risk Procedures Req.		
11,300.00	10,929.00	10,900.00	10,898.27	16.41	241.87	-89.39	671.35	-233.25	418.28	160.45	257.83	1.622	Collision Risk Procedures Req.		
11,400.00	10,929.00	10,900.00	10,898.27	16.45	241.87	-89.39	671.35	-233.25	344.40	86.53	257.87	1.336	Collision Risk Procedures Req.		
11,500.00	10,929.00	10,900.00	10,898.27	16.56	241.87	-89.39	671.35	-233.25	286.82	28.70	258.12	1.111	Collision Risk Procedures Req.		
11,600.00	10,929.00	10,900.00	10,898.27	16.98	241.87	-89.39	671.35	-233.25	256.74	-1.95	258.69	0.992	Collision Risk Procedures Req.		
11,631.73	10,929.00	10,900.00	10,898.27	17.22	241.87	-89.39	671.35	-233.25	254.77	-4.15	258.92	0.984	Collision Risk Procedures Req., CC		
11,700.00	10,929.00	10,900.00	10,898.27	17.81	241.87	-89.39	671.35	-233.25	263.76	4.42	259.34	1.017	Collision Risk Procedures Req.		
11,800.00	10,929.00	10,900.00	10,898.27	18.80	241.87	-89.39	671.35	-233.25	305.33	45.67	259.65	1.176	Collision Risk Procedures Req.		
11,900.00	10,929.00	10,900.00	10,898.27	19.85	241.87	-89.39	671.35	-233.25	369.97	110.28	259.69	1.425	Collision Risk Procedures Req.		
12,000.00	10,929.00	10,900.00	10,898.27	20.97	241.87	-89.39	671.35	-233.25	447.81	188.18	259.63	1.725	Collision Risk Procedures Req.		
12,100.00	10,929.00	10,900.00	10,898.27	22.12	241.87	-89.39	671.35	-233.25	533.09	273.53	259.56	2.054			
12,200.00	10,929.00	10,900.00	10,898.27	23.31	241.87	-89.39	671.35	-233.25	622.77	363.27	259.50	2.400			
12,300.00	10,929.00	10,900.00	10,898.27	24.52	241.87	-89.39	671.35	-233.25	715.19	455.73	259.46	2.756			
12,400.00	10,929.00	10,900.00	10,898.27	25.76	241.87	-89.39	671.35	-233.25	809.41	549.98	259.43	3.120			
12,500.00	10,929.00	10,900.00	10,898.27	27.03	241.87	-89.39	671.35	-233.25	904.87	645.46	259.42	3.488			



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - State HQ #007 (P&A) - OH - OH

Survey Program: 333-INC-ONLY										Offset Site Error: 0.00 usft	
Reference: 333-INC-ONLY										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)	Distance Between Centres (usft)	Minimum Separation (usft)	Warning
11,700.00	10,929.00	10,900.00	10,898.28	17.81	233.44	-89.17	1,660.85	-245.38	956.89	250.13	3.826
11,800.00	10,929.00	10,900.00	10,898.28	18.80	233.44	-89.17	1,660.85	-245.38	861.03	250.29	3.440
11,900.00	10,929.00	10,900.00	10,898.28	19.85	233.44	-89.17	1,660.85	-245.38	766.23	250.53	3.058
12,000.00	10,929.00	10,900.00	10,898.28	20.97	233.44	-89.17	1,660.85	-245.38	672.94	250.90	2.682
12,100.00	10,929.00	10,900.00	10,898.28	22.12	233.44	-89.17	1,660.85	-245.38	581.89	251.46	2.314
12,200.00	10,929.00	10,900.00	10,898.28	23.31	233.44	-89.17	1,660.85	-245.38	494.30	252.35	1.959 Collision Risk Procedures Req.
12,300.00	10,929.00	10,900.00	10,898.28	24.52	233.44	-89.17	1,660.85	-245.38	412.40	253.79	1.625 Collision Risk Procedures Req.
12,400.00	10,929.00	10,900.00	10,898.28	25.76	233.44	-89.17	1,660.85	-245.38	340.32	256.04	1.329 Collision Risk Procedures Req.
12,500.00	10,929.00	10,900.00	10,898.28	27.03	233.44	-89.17	1,660.85	-245.38	285.59	259.05	1.102 Collision Risk Procedures Req.
12,600.00	10,929.00	10,900.00	10,898.28	28.31	233.44	-89.17	1,660.85	-245.38	259.42	261.68	0.991 Collision Risk Procedures Req.
12,621.29	10,929.00	10,900.00	10,898.28	28.58	233.44	-89.17	1,660.85	-245.38	258.55	261.98	0.987 Collision Risk Procedures Req., CC
12,700.00	10,929.00	10,900.00	10,898.28	29.60	233.44	-89.17	1,660.85	-245.38	270.26	262.03	1.031 Collision Risk Procedures Req.
12,800.00	10,929.00	10,900.00	10,898.28	30.91	233.44	-89.17	1,660.85	-245.38	314.30	260.38	1.207 Collision Risk Procedures Req.
12,900.00	10,929.00	10,900.00	10,898.28	32.23	233.44	-89.17	1,660.85	-245.38	380.16	258.36	1.471 Collision Risk Procedures Req.
13,000.00	10,929.00	10,900.00	10,898.28	33.57	233.44	-89.17	1,660.85	-245.38	458.55	256.72	1.786 Collision Risk Procedures Req.
13,100.00	10,929.00	10,900.00	10,898.28	34.91	233.44	-89.17	1,660.85	-245.38	544.06	255.54	2.129
13,200.00	10,929.00	10,900.00	10,898.28	36.26	233.44	-89.17	1,660.85	-245.38	633.84	254.69	2.489
13,300.00	10,929.00	10,900.00	10,898.28	37.62	233.44	-89.17	1,660.85	-245.38	726.28	254.10	2.858
13,400.00	10,929.00	10,900.00	10,898.28	38.98	233.44	-89.17	1,660.85	-245.38	820.51	253.66	3.235
13,500.00	10,929.00	10,900.00	10,898.28	40.35	233.44	-89.17	1,660.85	-245.38	915.95	253.35	3.615

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - State HQ #008 - OH - OH

Survey Program: 312-INC-ONLY										Rule Assigned:			Offset Site Error:
Reference										Distance			Offset Well Error:
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
13,000.00	10,929.00	10,900.00	10,897.38	33.57	244.96	-88.76	2,982.09	-257.64	977.71	714.01	263.70	3.708	
13,100.00	10,929.00	10,900.00	10,897.38	34.91	244.96	-88.76	2,982.09	-257.64	881.70	617.38	264.32	3.336	
13,200.00	10,929.00	10,900.00	10,897.38	36.26	244.96	-88.76	2,982.09	-257.64	786.68	521.52	265.17	2.967	
13,300.00	10,929.00	10,900.00	10,897.38	37.62	244.96	-88.76	2,982.09	-257.64	693.07	426.74	266.33	2.602	
13,400.00	10,929.00	10,900.00	10,897.38	38.98	244.96	-88.76	2,982.09	-257.64	601.53	333.54	267.99	2.245	
13,500.00	10,929.00	10,900.00	10,897.38	40.35	244.96	-88.76	2,982.09	-257.64	513.14	242.77	270.37	1.898	Collision Risk Procedures Req.
13,600.00	10,929.00	10,900.00	10,897.38	41.73	244.96	-88.76	2,982.09	-257.64	429.88	156.05	273.83	1.570	Collision Risk Procedures Req.
13,700.00	10,929.00	10,900.00	10,897.38	43.11	244.96	-88.76	2,982.09	-257.64	355.35	76.63	278.73	1.275	Collision Risk Procedures Req.
13,800.00	10,929.00	10,900.00	10,897.38	44.49	244.96	-88.76	2,982.09	-257.64	296.24	11.34	284.90	1.040	Collision Risk Procedures Req.
13,900.00	10,929.00	10,900.00	10,897.38	45.88	244.96	-88.76	2,982.09	-257.64	263.13	-27.15	290.28	0.906	Collision Risk Procedures Req.
13,942.60	10,929.00	10,900.00	10,897.38	46.47	244.96	-88.76	2,982.09	-257.64	259.66	-31.70	291.35	0.891	Collision Risk Procedures Req., CC
14,000.00	10,929.00	10,900.00	10,897.38	47.27	244.96	-88.76	2,982.09	-257.64	265.93	-25.22	291.15	0.913	Collision Risk Procedures Req.
14,100.00	10,929.00	10,900.00	10,897.38	48.67	244.96	-88.76	2,982.09	-257.64	303.64	16.24	287.40	1.057	Collision Risk Procedures Req.
14,200.00	10,929.00	10,900.00	10,897.38	50.07	244.96	-88.76	2,982.09	-257.64	365.62	83.16	282.46	1.294	Collision Risk Procedures Req.
14,300.00	10,929.00	10,900.00	10,897.38	51.47	244.96	-88.76	2,982.09	-257.64	441.77	163.48	278.29	1.587	Collision Risk Procedures Req.
14,400.00	10,929.00	10,900.00	10,897.38	52.88	244.96	-88.76	2,982.09	-257.64	525.97	250.79	275.18	1.911	Collision Risk Procedures Req.
14,500.00	10,929.00	10,900.00	10,897.38	54.28	244.96	-88.76	2,982.09	-257.64	614.92	341.99	272.92	2.253	
14,600.00	10,929.00	10,900.00	10,897.38	55.69	244.96	-88.76	2,982.09	-257.64	706.83	435.54	271.28	2.605	
14,700.00	10,929.00	10,900.00	10,897.38	57.10	244.96	-88.76	2,982.09	-257.64	800.68	530.60	270.07	2.965	
14,800.00	10,929.00	10,900.00	10,897.38	58.52	244.96	-88.76	2,982.09	-257.64	895.86	626.69	269.17	3.328	
14,900.00	10,929.00	10,900.00	10,897.38	59.93	244.96	-88.76	2,982.09	-257.64	991.99	723.50	268.49	3.695	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Offsets - Tin Cup 36 State Com 2H - OH - OH													Offset Site Error: 0.00 usft
Survey Program: 96-MWD													Offset Well Error: 0.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,300.00	9,288.83	15,105.77	9,823.52	16.96	134.83	-178.49	-1,022.76	9.46	944.06	814.01	130.06	7.259	
9,400.00	9,388.83	15,101.95	9,823.69	17.02	134.73	-178.78	-1,022.74	13.27	888.25	752.49	135.75	6.543	
9,500.00	9,488.83	15,097.79	9,823.87	17.07	134.63	-179.09	-1,022.72	17.42	840.64	699.47	141.17	5.955	
9,600.00	9,588.83	15,093.26	9,824.09	17.13	134.52	-179.43	-1,022.69	21.95	802.70	656.81	145.88	5.502	
9,700.00	9,688.83	15,088.30	9,824.33	17.18	134.40	-179.81	-1,022.65	26.91	775.84	626.45	149.39	5.193	
9,800.00	9,788.83	15,082.95	9,824.61	17.23	134.27	-179.79	-1,022.61	32.25	761.23	610.00	151.23	5.034	
9,862.57	9,851.40	15,079.35	9,824.80	17.27	134.18	-179.52	-1,022.58	35.84	758.67	607.26	151.41	5.011	CC, ES, SF
9,900.00	9,888.83	15,077.10	9,824.92	17.29	134.13	-179.35	-1,022.56	38.09	759.59	608.45	151.14	5.026	
10,000.00	9,988.83	15,070.68	9,825.29	17.34	133.97	-178.86	-1,022.50	44.50	770.97	621.87	149.10	5.171	
10,100.00	10,088.83	15,063.58	9,825.71	17.40	133.80	-178.33	-1,022.43	51.58	794.82	649.40	145.43	5.465	
10,200.00	10,188.83	15,055.71	9,826.20	17.46	133.61	-177.73	-1,022.35	59.44	830.06	689.48	140.58	5.905	
10,300.00	10,288.83	15,046.92	9,826.79	17.51	133.40	-177.07	-1,022.25	68.21	875.30	740.22	135.08	6.480	
10,367.21	10,356.04	15,040.41	9,827.24	17.54	133.24	-176.58	-1,022.17	74.70	910.59	779.36	131.23	6.939	
10,400.00	10,388.81	15,037.04	9,827.48	17.52	133.16	-176.68	-1,022.13	78.06	929.83	800.45	129.38	7.187	
10,450.00	10,438.54	15,031.62	9,827.88	17.46	133.02	-175.95	-1,022.05	83.47	963.27	836.53	126.74	7.600	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 301H - 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	-89.31	0.60	-49.99	49.99			
100.00	100.00	100.00	100.00	0.79	0.79	-89.31	0.60	-49.99	49.99	48.41	1.58	31.558
200.00	200.00	200.00	200.00	1.45	1.45	-89.31	0.60	-49.99	49.99	47.09	2.90	17.244
300.00	300.00	300.00	300.00	1.89	1.89	-89.31	0.60	-49.99	49.99	46.20	3.79	13.195
400.00	400.00	400.00	400.00	2.26	2.26	-89.31	0.60	-49.99	49.99	45.48	4.51	11.080
500.00	500.00	500.00	500.00	2.57	2.57	-89.31	0.60	-49.99	49.99	44.85	5.14	9.727
600.00	600.00	600.00	600.00	2.85	2.85	-89.31	0.60	-49.99	49.99	44.29	5.70	8.766
700.00	700.00	700.00	700.00	3.11	3.11	-89.31	0.60	-49.99	49.99	43.77	6.22	8.038
800.00	800.00	800.00	800.00	3.35	3.35	-89.31	0.60	-49.99	49.99	43.29	6.70	7.461
900.00	900.00	900.00	900.00	3.58	3.58	-89.31	0.60	-49.99	49.99	42.84	7.15	6.989
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-89.31	0.60	-49.99	49.99	42.41	7.58	6.593
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	-89.31	0.60	-49.99	49.99	42.00	7.99	6.256
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-89.31	0.60	-49.99	49.99	41.61	8.38	5.963
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-89.31	0.60	-49.99	49.99	41.23	8.76	5.706
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-89.31	0.60	-49.99	49.99	40.87	9.13	5.477
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-89.31	0.60	-49.99	49.99	40.51	9.48	5.273
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-89.31	0.60	-49.99	49.99	40.17	9.83	5.088
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-89.31	0.60	-49.99	49.99	39.83	10.16	4.920
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-89.31	0.60	-49.99	49.99	39.51	10.49	4.767
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-89.31	0.60	-49.99	49.99	39.19	10.81	4.626
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-89.31	0.60	-49.99	49.99	38.87	11.12	4.496 CC, ES
2,100.00	2,100.00	2,098.86	2,098.85	5.71	5.73	-90.04	-0.04	-51.10	51.11	39.68	11.43	4.471 SF
2,200.00	2,199.99	2,197.61	2,197.52	5.88	5.89	95.63	-1.94	-54.43	54.63	42.93	11.70	4.668
2,300.00	2,299.91	2,296.13	2,295.83	6.02	6.07	96.25	-5.10	-59.95	60.67	48.71	11.96	5.073
2,400.00	2,399.69	2,394.31	2,393.61	6.19	6.27	97.78	-9.50	-67.64	69.25	57.03	12.22	5.667
2,433.22	2,432.80	2,426.83	2,425.94	6.22	6.33	98.40	-11.23	-70.67	72.67	60.41	12.26	5.926
2,500.00	2,499.32	2,492.50	2,491.14	6.29	6.42	99.50	-15.10	-77.44	80.27	67.91	12.37	6.491
2,600.00	2,598.94	2,591.80	2,589.70	6.47	6.63	100.70	-21.11	-87.94	91.95	79.30	12.65	7.268
2,700.00	2,698.56	2,691.09	2,688.26	6.66	6.86	101.63	-27.12	-98.44	103.67	90.71	12.96	7.998
2,800.00	2,798.18	2,790.39	2,786.82	6.87	7.11	102.37	-33.13	-108.94	115.40	102.12	13.29	8.687
2,900.00	2,897.80	2,889.69	2,885.38	7.10	7.37	102.97	-39.14	-119.45	127.15	113.53	13.62	9.334
3,000.00	2,997.42	2,988.99	2,983.94	7.34	7.65	103.47	-45.14	-129.95	138.92	124.94	13.97	9.942
3,100.00	3,097.04	3,088.29	3,082.50	7.59	7.94	103.90	-51.15	-140.45	150.69	136.35	14.33	10.513
3,200.00	3,196.66	3,187.59	3,181.06	7.85	8.24	104.26	-57.16	-150.96	162.46	147.76	14.71	11.048
3,300.00	3,296.28	3,286.89	3,279.62	8.12	8.56	104.57	-63.17	-161.46	174.25	159.16	15.09	11.549
3,400.00	3,395.90	3,386.19	3,378.18	8.41	8.87	104.85	-69.18	-171.96	186.03	170.56	15.48	12.019
3,500.00	3,495.52	3,485.49	3,476.73	8.70	9.20	105.09	-75.19	-182.47	197.83	181.95	15.88	12.460
3,600.00	3,595.14	3,584.79	3,575.29	8.99	9.54	105.30	-81.20	-192.97	209.62	193.34	16.28	12.873
3,700.00	3,694.76	3,684.09	3,673.85	9.30	9.88	105.49	-87.20	-203.47	221.42	204.72	16.70	13.261
3,800.00	3,794.38	3,783.38	3,772.41	9.61	10.22	105.66	-93.21	-213.97	233.22	216.10	17.12	13.625
3,900.00	3,894.00	3,882.68	3,870.97	9.92	10.58	105.82	-99.22	-224.48	245.02	227.48	17.54	13.967
4,000.00	3,993.62	3,981.98	3,969.53	10.24	10.93	105.96	-105.23	-234.98	256.82	238.85	17.97	14.288
4,100.00	4,093.24	4,081.28	4,068.09	10.57	11.29	106.09	-111.24	-245.48	268.63	250.21	18.41	14.590
4,200.00	4,192.86	4,180.58	4,166.65	10.90	11.66	106.21	-117.25	-255.99	280.43	261.58	18.85	14.875
4,300.00	4,292.48	4,279.88	4,265.21	11.23	12.02	106.31	-123.26	-266.49	292.24	272.94	19.30	15.143
4,400.00	4,392.10	4,379.18	4,363.77	11.57	12.40	106.41	-129.26	-276.99	304.04	284.30	19.75	15.395
4,500.00	4,491.72	4,478.48	4,462.33	11.91	12.77	106.51	-135.27	-287.50	315.85	295.65	20.20	15.634
4,600.00	4,591.34	4,577.78	4,560.89	12.25	13.15	106.59	-141.28	-298.00	327.66	307.00	20.66	15.859
4,700.00	4,690.96	4,677.08	4,659.44	12.60	13.52	106.67	-147.29	-308.50	339.47	318.35	21.12	16.072
4,800.00	4,790.58	4,776.38	4,758.00	12.94	13.90	106.75	-153.30	-319.00	351.28	329.70	21.59	16.273
4,900.00	4,890.20	4,875.68	4,856.56	13.29	14.29	106.82	-159.31	-329.51	363.09	341.04	22.05	16.464
5,000.00	4,989.82	4,974.97	4,955.12	13.65	14.67	106.88	-165.32	-340.01	374.90	352.38	22.52	16.645

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 301H - 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					
5,100.00	5,089.44	5,074.27	5,053.68	14.00	15.06	106.94	-171.32	-350.51	386.72	363.72	23.00	16.817						
5,147.95	5,137.20	5,121.88	5,100.94	14.15	15.25	106.97	-174.21	-355.55	392.38	369.18	23.20	16.911						
5,200.00	5,189.09	5,173.58	5,152.25	14.32	15.45	107.04	-177.33	-361.02	398.42	375.00	23.43	17.007						
5,300.00	5,288.90	5,272.95	5,250.87	14.67	15.84	106.89	-183.35	-371.53	409.46	385.56	23.90	17.132						
5,400.00	5,388.84	5,372.31	5,349.49	14.97	16.23	106.41	-189.36	-382.04	419.78	395.41	24.37	17.226						
5,481.17	5,470.00	5,452.91	5,429.49	15.09	16.55	-80.58	-194.24	-390.56	427.66	402.95	24.71	17.305						
5,500.00	5,488.83	5,471.60	5,448.04	15.09	16.62	-80.77	-195.37	-392.54	429.45	404.67	24.78	17.330						
5,600.00	5,588.83	5,570.85	5,546.56	15.15	17.02	-81.77	-201.37	-403.04	439.01	413.79	25.23	17.404						
5,700.00	5,688.83	5,670.11	5,645.07	15.19	17.41	-82.72	-207.38	-413.54	448.71	423.04	25.66	17.485						
5,800.00	5,788.83	5,769.36	5,743.59	15.24	17.81	-83.64	-213.38	-424.03	458.52	432.41	26.11	17.563						
5,900.00	5,888.83	5,868.62	5,842.10	15.28	18.20	-84.52	-219.39	-434.53	468.44	441.88	26.56	17.638						
6,000.00	5,988.83	5,967.87	5,940.62	15.33	18.60	-85.36	-225.40	-445.03	478.46	451.45	27.02	17.710						
6,100.00	6,088.83	6,067.13	6,039.13	15.37	19.00	-86.16	-231.40	-455.53	488.59	461.11	27.48	17.779						
6,200.00	6,188.83	6,166.38	6,137.65	15.42	19.40	-86.93	-237.41	-466.03	498.80	470.86	27.95	17.847						
6,300.00	6,288.83	6,265.64	6,236.17	15.46	19.80	-87.68	-243.41	-476.53	509.11	480.69	28.42	17.912						
6,400.00	6,388.83	6,366.24	6,336.02	15.51	20.19	-88.40	-249.49	-487.15	519.48	490.59	28.89	17.981						
6,500.00	6,488.83	6,478.96	6,448.13	15.56	20.63	-89.06	-255.33	-497.34	528.42	499.03	29.39	17.978						
6,600.00	6,588.83	6,592.29	6,561.13	15.60	21.05	-89.53	-259.53	-504.69	534.87	505.01	29.85	17.916						
6,700.00	6,688.83	6,706.02	6,674.75	15.65	21.43	-89.80	-262.07	-509.14	538.76	508.51	30.25	17.809						
6,800.00	6,788.83	6,819.96	6,788.67	15.70	21.70	-89.89	-262.94	-510.65	540.09	509.57	30.52	17.695						
6,900.00	6,888.83	6,920.13	6,888.83	15.74	21.73	-89.89	-262.94	-510.65	540.09	509.47	30.62	17.638						
7,000.00	6,988.83	7,020.13	6,988.83	15.79	21.76	-89.89	-262.94	-510.65	540.09	509.37	30.72	17.580						
7,100.00	7,088.83	7,120.13	7,088.83	15.84	21.79	-89.89	-262.94	-510.65	540.09	509.26	30.83	17.521						
7,200.00	7,188.83	7,220.13	7,188.83	15.89	21.83	-89.89	-262.94	-510.65	540.09	509.16	30.93	17.462						
7,300.00	7,288.83	7,320.13	7,288.83	15.94	21.86	-89.89	-262.94	-510.65	540.09	509.05	31.03	17.403						
7,400.00	7,388.83	7,420.13	7,388.83	15.99	21.89	-89.89	-262.94	-510.65	540.09	508.95	31.14	17.345						
7,500.00	7,488.83	7,520.13	7,488.83	16.04	21.93	-89.89	-262.94	-510.65	540.09	508.84	31.24	17.287						
7,600.00	7,588.83	7,620.13	7,588.83	16.08	21.96	-89.89	-262.94	-510.65	540.09	508.74	31.35	17.229						
7,700.00	7,688.83	7,720.13	7,688.83	16.13	22.00	-89.89	-262.94	-510.65	540.09	508.63	31.45	17.171						
7,800.00	7,788.83	7,820.13	7,788.83	16.18	22.03	-89.89	-262.94	-510.65	540.09	508.53	31.56	17.113						
7,900.00	7,888.83	7,920.13	7,888.83	16.23	22.07	-89.89	-262.94	-510.65	540.09	508.42	31.67	17.055						
8,000.00	7,988.83	8,020.13	7,988.83	16.29	22.10	-89.89	-262.94	-510.65	540.09	508.31	31.77	16.998						
8,100.00	8,088.83	8,120.13	8,088.83	16.34	22.14	-89.89	-262.94	-510.65	540.09	508.21	31.88	16.941						
8,200.00	8,188.83	8,220.13	8,188.83	16.39	22.18	-89.89	-262.94	-510.65	540.09	508.10	31.99	16.883						
8,300.00	8,288.83	8,320.13	8,288.83	16.44	22.21	-89.89	-262.94	-510.65	540.09	507.99	32.10	16.826						
8,400.00	8,388.83	8,420.13	8,388.83	16.49	22.25	-89.89	-262.94	-510.65	540.09	507.88	32.21	16.770						
8,500.00	8,488.83	8,520.13	8,488.83	16.54	22.29	-89.89	-262.94	-510.65	540.09	507.77	32.32	16.713						
8,600.00	8,588.83	8,620.13	8,588.83	16.59	22.32	-89.89	-262.94	-510.65	540.09	507.67	32.42	16.659						
8,610.00	8,598.83	8,630.13	8,598.83	16.60	22.32	-89.89	-262.94	-510.65	540.09	507.66	32.43	16.654						
8,700.00	8,688.83	8,718.97	8,687.47	16.65	22.26	-89.38	-258.08	-510.69	540.16	507.69	32.47	16.635						
8,800.00	8,788.83	8,813.36	8,779.62	16.70	22.12	-87.27	-238.19	-510.86	540.99	508.60	32.39	16.705						
8,900.00	8,888.83	8,900.00	8,860.31	16.75	21.98	-83.97	-206.84	-511.12	544.32	512.06	32.26	16.875						
9,000.00	8,988.83	8,974.40	8,925.15	16.80	21.87	-80.20	-170.47	-511.43	552.57	520.38	32.18	17.170						
9,100.00	9,088.83	9,038.68	8,976.98	16.86	21.78	-76.35	-132.51	-511.75	568.04	535.83	32.21	17.634						
9,200.00	9,188.83	9,100.00	9,022.17	16.91	21.72	-72.30	-91.10	-512.10	592.38	560.05	32.33	18.325						
9,300.00	9,288.83	9,138.68	9,048.30	16.96	21.69	-69.61	-62.59	-512.34	626.04	593.39	32.65	19.176						
9,400.00	9,388.83	9,177.21	9,072.35	17.02	21.68	-66.88	-32.50	-512.60	668.97	635.96	33.02	20.262						
9,500.00	9,488.83	9,200.00	9,085.61	17.07	21.68	-65.25	-13.97	-512.75	720.45	686.96	33.48	21.516						
9,600.00	9,588.83	9,250.00	9,112.05	17.13	21.69	-61.68	28.45	-513.11	779.21	745.36	33.85	23.020						
9,700.00	9,688.83	9,250.00	9,112.05	17.18	21.69	-61.68	28.45	-513.11	844.12	809.72	34.40	24.542						
9,800.00	9,788.83	9,282.35	9,127.14	17.23	21.71	-59.40	57.06	-513.35	914.05	879.23	34.82	26.250						
9,900.00	9,888.83	9,300.00	9,134.69	17.29	21.73	-58.18	73.01	-513.49	988.45	953.18	35.27	28.023						

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 601H - OH - Plan 1

Survey Program: 0-MWD+HDGM											Offset Site Error: 0.00 usft	
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		Distance Between Centres (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)				
0.00	0.00	0.00	0.00	0.00	0.00	-89.31	0.30	-24.99	24.99			
100.00	100.00	100.00	100.00	0.79	0.79	-89.31	0.30	-24.99	24.99	23.41	1.58	15.776
200.00	200.00	200.00	200.00	1.45	1.45	-89.31	0.30	-24.99	24.99	22.09	2.90	8.620
300.00	300.00	300.00	300.00	1.89	1.89	-89.31	0.30	-24.99	24.99	21.20	3.79	6.596
400.00	400.00	400.00	400.00	2.26	2.26	-89.31	0.30	-24.99	24.99	20.48	4.51	5.539
500.00	500.00	500.00	500.00	2.57	2.57	-89.31	0.30	-24.99	24.99	19.85	5.14	4.863
600.00	600.00	600.00	600.00	2.85	2.85	-89.31	0.30	-24.99	24.99	19.29	5.70	4.382
700.00	700.00	700.00	700.00	3.11	3.11	-89.31	0.30	-24.99	24.99	18.77	6.22	4.018
800.00	800.00	800.00	800.00	3.35	3.35	-89.31	0.30	-24.99	24.99	18.29	6.70	3.730
900.00	900.00	900.00	900.00	3.58	3.58	-89.31	0.30	-24.99	24.99	17.84	7.15	3.494
1,000.00	1,000.00	1,000.00	1,000.00	3.79	3.79	-89.31	0.30	-24.99	24.99	17.41	7.58	3.296
1,100.00	1,100.00	1,100.00	1,100.00	4.00	4.00	-89.31	0.30	-24.99	24.99	17.00	7.99	3.127
1,200.00	1,200.00	1,200.00	1,200.00	4.19	4.19	-89.31	0.30	-24.99	24.99	16.61	8.38	2.981
1,300.00	1,300.00	1,300.00	1,300.00	4.38	4.38	-89.31	0.30	-24.99	24.99	16.23	8.76	2.852
1,400.00	1,400.00	1,400.00	1,400.00	4.56	4.56	-89.31	0.30	-24.99	24.99	15.86	9.13	2.738
1,500.00	1,500.00	1,500.00	1,500.00	4.74	4.74	-89.31	0.30	-24.99	24.99	15.51	9.48	2.636
1,600.00	1,600.00	1,600.00	1,600.00	4.91	4.91	-89.31	0.30	-24.99	24.99	15.17	9.83	2.544
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	-89.31	0.30	-24.99	24.99	14.83	10.16	2.460
1,800.00	1,800.00	1,800.00	1,800.00	5.24	5.24	-89.31	0.30	-24.99	24.99	14.50	10.49	2.383
1,900.00	1,900.00	1,900.00	1,900.00	5.40	5.40	-89.31	0.30	-24.99	24.99	14.19	10.81	2.313
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	-89.31	0.30	-24.99	24.99	13.87	11.12	2.248
2,100.00	2,100.00	2,100.00	2,100.00	5.71	5.71	-89.31	0.30	-24.99	24.99	13.57	11.43	2.187 CC, ES, SF
2,200.00	2,199.99	2,199.45	2,199.44	5.88	5.88	98.23	-0.43	-26.06	26.22	14.52	11.70	2.241
2,300.00	2,299.91	2,298.79	2,298.70	6.02	6.04	101.18	-2.62	-29.26	29.98	18.04	11.94	2.511
2,400.00	2,399.69	2,397.92	2,397.62	6.19	6.21	104.71	-6.25	-34.58	36.36	24.18	12.18	2.985
2,433.22	2,432.80	2,430.78	2,430.37	6.22	6.28	105.84	-7.77	-36.81	39.07	26.84	12.23	3.194
2,500.00	2,499.32	2,496.75	2,496.04	6.29	6.41	107.34	-11.31	-41.99	45.25	32.89	12.37	3.659
2,600.00	2,598.94	2,596.23	2,594.97	6.47	6.60	108.23	-17.17	-50.57	55.19	42.57	12.63	4.371
2,700.00	2,698.56	2,695.73	2,693.93	6.66	6.80	108.85	-23.04	-59.16	65.15	52.25	12.90	5.050
2,800.00	2,798.18	2,795.23	2,792.88	6.87	7.02	109.31	-28.90	-67.75	75.11	61.92	13.19	5.695
2,900.00	2,897.80	2,894.73	2,891.84	7.10	7.26	109.65	-34.77	-76.33	85.07	71.58	13.49	6.306
3,000.00	2,997.42	2,994.23	2,990.80	7.34	7.51	109.93	-40.63	-84.92	95.03	81.23	13.80	6.885
3,100.00	3,097.04	3,093.73	3,089.75	7.59	7.77	110.15	-46.50	-93.50	105.00	90.88	14.13	7.433
3,200.00	3,196.66	3,193.23	3,188.71	7.85	8.04	110.34	-52.36	-102.09	114.97	100.51	14.46	7.951
3,300.00	3,296.28	3,292.74	3,287.67	8.12	8.33	110.49	-58.23	-110.68	124.94	110.14	14.80	8.441
3,400.00	3,395.90	3,392.24	3,386.62	8.41	8.62	110.63	-64.09	-119.26	134.91	119.75	15.15	8.903
3,500.00	3,495.52	3,491.74	3,485.58	8.70	8.93	110.74	-69.96	-127.85	144.88	129.37	15.51	9.339
3,600.00	3,595.14	3,591.24	3,584.53	8.99	9.24	110.84	-75.82	-136.44	154.85	138.97	15.88	9.751
3,700.00	3,694.76	3,690.74	3,683.49	9.30	9.56	110.93	-81.69	-145.02	164.82	148.57	16.25	10.140
3,800.00	3,794.38	3,790.24	3,782.45	9.61	9.88	111.00	-87.55	-153.61	174.79	158.16	16.64	10.507
3,900.00	3,894.00	3,889.74	3,881.40	9.92	10.21	111.07	-93.42	-162.19	184.76	167.74	17.02	10.855
4,000.00	3,993.62	3,989.25	3,980.36	10.24	10.55	111.14	-99.28	-170.78	194.74	177.32	17.41	11.183
4,100.00	4,093.24	4,088.75	4,079.32	10.57	10.88	111.19	-105.15	-179.37	204.71	186.90	17.81	11.493
4,200.00	4,192.86	4,188.25	4,178.27	10.90	11.23	111.24	-111.01	-187.95	214.68	196.47	18.21	11.786
4,300.00	4,292.48	4,287.75	4,277.23	11.23	11.58	111.29	-116.88	-196.54	224.65	206.03	18.62	12.064
4,400.00	4,392.10	4,387.25	4,376.19	11.57	11.93	111.33	-122.74	-205.13	234.63	215.59	19.03	12.327
4,500.00	4,491.72	4,486.75	4,475.14	11.91	12.28	111.37	-128.60	-213.71	244.60	225.15	19.45	12.577
4,600.00	4,591.34	4,586.25	4,574.10	12.25	12.64	111.41	-134.47	-222.30	254.57	234.71	19.87	12.813
4,700.00	4,690.96	4,685.75	4,673.06	12.60	13.00	111.44	-140.33	-230.88	264.55	244.26	20.29	13.038
4,800.00	4,790.58	4,785.26	4,772.01	12.94	13.36	111.47	-146.20	-239.47	274.52	253.80	20.72	13.251
4,900.00	4,890.20	4,884.76	4,870.97	13.29	13.73	111.50	-152.06	-248.06	284.49	263.35	21.15	13.453
5,000.00	4,989.82	4,984.26	4,969.93	13.65	14.09	111.52	-157.93	-256.64	294.47	272.89	21.58	13.646

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 601H - 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					
5,100.00	5,089.44	5,083.76	5,068.88	14.00	14.46	111.55	-163.79	-265.23	304.44	282.43	22.01	13.829						
5,147.95	5,137.20	5,131.47	5,116.33	14.15	14.64	111.56	-166.61	-269.35	309.22	287.02	22.20	13.927						
5,200.00	5,189.09	5,183.27	5,167.85	14.32	14.83	111.58	-169.66	-273.82	314.28	291.88	22.41	14.025						
5,300.00	5,288.90	5,282.84	5,266.87	14.67	15.20	111.29	-175.53	-282.41	323.29	300.45	22.84	14.153						
5,400.00	5,388.84	5,382.40	5,365.88	14.97	15.58	110.59	-181.40	-291.00	331.39	308.12	23.27	14.242						
5,481.17	5,470.00	5,463.16	5,446.20	15.09	15.88	-76.64	-186.16	-297.97	337.36	313.78	23.57	14.311						
5,500.00	5,488.83	5,481.89	5,464.83	15.09	15.95	-76.88	-187.26	-299.58	338.69	315.06	23.63	14.332						
5,600.00	5,588.83	5,581.34	5,563.74	15.15	16.33	-78.15	-193.12	-308.17	345.86	321.84	24.03	14.395						
5,700.00	5,688.83	5,680.79	5,662.64	15.19	16.71	-79.37	-198.98	-316.75	353.20	328.78	24.42	14.464						
5,800.00	5,788.83	5,780.24	5,761.55	15.24	17.09	-80.54	-204.85	-325.33	360.69	335.86	24.82	14.530						
5,900.00	5,888.83	5,879.69	5,860.46	15.28	17.47	-81.67	-210.71	-333.91	368.32	343.08	25.24	14.593						
6,000.00	5,988.83	5,979.15	5,959.37	15.33	17.85	-82.74	-216.57	-342.49	376.09	350.43	25.66	14.654						
6,100.00	6,088.83	6,078.60	6,058.28	15.37	18.23	-83.77	-222.43	-351.08	383.99	357.89	26.10	14.712						
6,200.00	6,188.83	6,178.05	6,157.18	15.42	18.61	-84.77	-228.29	-359.66	392.00	365.46	26.54	14.769						
6,300.00	6,288.83	6,277.50	6,256.09	15.46	19.00	-85.72	-234.15	-368.24	400.13	373.14	26.99	14.823						
6,400.00	6,388.83	6,376.96	6,355.00	15.51	19.38	-86.63	-240.02	-376.82	408.37	380.92	27.45	14.876						
6,500.00	6,488.83	6,476.41	6,453.91	15.56	19.77	-87.51	-245.88	-385.41	416.70	388.79	27.91	14.928						
6,600.00	6,588.83	6,576.56	6,553.51	15.60	20.14	-88.35	-251.78	-394.04	425.12	396.75	28.37	14.985						
6,700.00	6,688.83	6,686.19	6,662.71	15.65	20.55	-89.11	-257.23	-402.03	432.30	403.46	28.84	14.987						
6,800.00	6,788.83	6,796.29	6,772.61	15.70	20.94	-89.61	-260.93	-407.44	437.18	407.91	29.27	14.935						
6,900.00	6,888.83	6,906.68	6,882.94	15.74	21.27	-89.86	-262.84	-410.24	439.71	410.10	29.61	14.848						
7,000.00	6,988.83	7,012.57	6,988.83	15.79	21.36	-89.89	-263.12	-410.65	440.09	410.34	29.75	14.794						
7,100.00	7,088.83	7,112.57	7,088.83	15.84	21.39	-89.89	-263.12	-410.65	440.09	410.24	29.85	14.743						
7,200.00	7,188.83	7,212.57	7,188.83	15.89	21.43	-89.89	-263.12	-410.65	440.09	410.13	29.95	14.692						
7,300.00	7,288.83	7,312.57	7,288.83	15.94	21.46	-89.89	-263.12	-410.65	440.09	410.03	30.06	14.641						
7,400.00	7,388.83	7,412.57	7,388.83	15.99	21.49	-89.89	-263.12	-410.65	440.09	409.92	30.16	14.590						
7,500.00	7,488.83	7,512.57	7,488.83	16.04	21.53	-89.89	-263.12	-410.65	440.09	409.82	30.27	14.539						
7,600.00	7,588.83	7,612.57	7,588.83	16.08	21.56	-89.89	-263.12	-410.65	440.09	409.71	30.38	14.488						
7,700.00	7,688.83	7,712.57	7,688.83	16.13	21.59	-89.89	-263.12	-410.65	440.09	409.61	30.48	14.438						
7,800.00	7,788.83	7,812.57	7,788.83	16.18	21.63	-89.89	-263.12	-410.65	440.09	409.50	30.59	14.388						
7,900.00	7,888.83	7,912.57	7,888.83	16.23	21.66	-89.89	-263.12	-410.65	440.09	409.39	30.70	14.337						
8,000.00	7,988.83	8,012.57	7,988.83	16.29	21.70	-89.89	-263.12	-410.65	440.09	409.28	30.80	14.287						
8,100.00	8,088.83	8,112.57	8,088.83	16.34	21.73	-89.89	-263.12	-410.65	440.09	409.18	30.91	14.237						
8,200.00	8,188.83	8,212.57	8,188.83	16.39	21.77	-89.89	-263.12	-410.65	440.09	409.07	31.02	14.188						
8,300.00	8,288.83	8,312.57	8,288.83	16.44	21.81	-89.89	-263.12	-410.65	440.09	408.96	31.13	14.138						
8,400.00	8,388.83	8,412.57	8,388.83	16.49	21.84	-89.89	-263.12	-410.65	440.09	408.85	31.24	14.088						
8,500.00	8,488.83	8,512.57	8,488.83	16.54	21.88	-89.89	-263.12	-410.65	440.09	408.74	31.35	14.039						
8,600.00	8,588.83	8,612.57	8,588.83	16.59	21.91	-89.89	-263.12	-410.65	440.09	408.63	31.46	13.990						
8,700.00	8,688.83	8,712.57	8,688.83	16.65	21.95	-89.89	-263.12	-410.65	440.09	408.52	31.57	13.941						
8,800.00	8,788.83	8,812.57	8,788.83	16.70	21.99	-89.89	-263.12	-410.65	440.09	408.41	31.68	13.892						
8,900.00	8,888.83	8,912.57	8,888.83	16.75	22.03	-89.89	-263.12	-410.65	440.09	408.30	31.79	13.844						
9,000.00	8,988.83	9,012.57	8,988.83	16.80	22.06	-89.89	-263.12	-410.65	440.09	408.19	31.90	13.795						
9,100.00	9,088.83	9,112.57	9,088.83	16.86	22.10	-89.89	-263.12	-410.65	440.09	408.07	32.01	13.747						
9,200.00	9,188.83	9,212.57	9,188.83	16.91	22.14	-89.89	-263.12	-410.65	440.09	407.96	32.13	13.699						
9,300.00	9,288.83	9,312.57	9,288.83	16.96	22.18	-89.89	-263.12	-410.65	440.09	407.85	32.24	13.651						
9,400.00	9,388.83	9,412.57	9,388.83	17.02	22.22	-89.89	-263.12	-410.65	440.09	407.74	32.35	13.603						
9,500.00	9,488.83	9,512.57	9,488.83	17.07	22.25	-89.89	-263.12	-410.65	440.09	407.62	32.47	13.555						
9,600.00	9,588.83	9,612.57	9,588.83	17.13	22.29	-89.89	-263.12	-410.65	440.09	407.51	32.58	13.508						
9,700.00	9,688.83	9,712.57	9,688.83	17.18	22.33	-89.89	-263.12	-410.65	440.09	407.39	32.69	13.461						
9,800.00	9,788.83	9,812.57	9,788.83	17.23	22.37	-89.89	-263.12	-410.65	440.09	407.28	32.81	13.414						
9,900.00	9,888.83	9,912.57	9,888.83	17.29	22.41	-89.89	-263.12	-410.65	440.09	407.17	32.92	13.367						
9,910.00	9,898.83	9,922.57	9,898.83	17.30	22.41	-89.89	-263.12	-410.65	440.09	407.16	32.93	13.363						

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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:Gold Rush Pad - Gold State Com 601H - OH - Plan 1													Offset Site Error:	0.00 usft	
Survey Program:		0-MWD+HDGM		Offset			Semi Major Axis		Offset Wellbore Centre		Rule Assigned:			Offset Well Error:	0.00 usft
Reference	Offset	Reference	Offset	Reference	Offset	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	(usft)	(usft)										
10,000.00	9,988.83	10,008.69	9,984.93	17.34	22.41	-89.76	-262.07	-410.80	440.26	407.24	33.02	13.333			
10,100.00	10,088.83	10,096.93	10,072.24	17.40	22.31	-88.20	-250.07	-412.51	442.47	409.45	33.03	13.397			
10,200.00	10,188.83	10,179.64	10,151.50	17.46	22.20	-85.24	-226.90	-415.81	448.34	415.37	32.97	13.599			
10,300.00	10,288.83	10,250.00	10,215.69	17.51	22.10	-81.71	-198.47	-419.85	459.89	426.85	33.04	13.920			
10,367.21	10,356.04	10,300.00	10,258.92	17.54	22.04	-78.72	-173.64	-423.39	471.84	438.74	33.10	14.253			
10,400.00	10,388.81	10,320.28	10,275.80	17.52	22.01	-76.29	-162.52	-424.97	478.90	445.69	33.21	14.420			
10,450.00	10,438.54	10,350.00	10,299.80	17.46	21.98	-73.45	-145.17	-427.44	490.57	457.13	33.45	14.668			
10,500.00	10,487.65	10,382.80	10,325.19	17.39	21.95	-70.57	-124.62	-430.36	503.05	469.36	33.70	14.928			
10,550.00	10,535.75	10,413.50	10,347.85	17.30	21.93	-67.94	-104.12	-433.28	516.07	482.04	34.03	15.165			
10,600.00	10,582.48	10,450.00	10,373.29	17.20	21.91	-65.27	-78.21	-436.97	529.40	495.08	34.32	15.426			
10,650.00	10,627.49	10,474.00	10,389.10	17.11	21.91	-63.25	-60.33	-439.51	542.67	507.83	34.84	15.577			
10,700.00	10,670.43	10,500.00	10,405.34	17.01	21.90	-61.30	-40.24	-442.37	555.84	520.49	35.35	15.722			
10,750.00	10,710.98	10,533.56	10,424.92	16.91	21.91	-59.36	-13.25	-446.21	568.63	532.85	35.78	15.891			
10,800.00	10,748.83	10,563.07	10,440.79	16.82	21.93	-57.73	11.36	-449.72	580.94	544.64	36.29	16.007			
10,850.00	10,783.69	10,600.00	10,458.82	16.73	21.96	-56.20	43.27	-454.26	592.70	555.98	36.71	16.144			
10,900.00	10,815.30	10,621.63	10,468.41	16.65	21.98	-55.06	62.47	-456.99	603.55	566.20	37.36	16.156			
10,950.00	10,843.41	10,650.00	10,479.85	16.58	22.02	-54.01	88.16	-460.65	613.66	575.74	37.91	16.187			
11,000.00	10,867.81	10,679.76	10,490.46	16.52	22.08	-53.15	115.69	-464.56	622.84	584.39	38.45	16.198			
11,050.00	10,888.32	10,700.00	10,496.85	16.47	22.12	-52.45	134.70	-467.27	631.16	592.07	39.09	16.146			
11,100.00	10,904.77	10,737.62	10,506.89	16.43	22.22	-51.95	170.58	-472.38	638.25	598.71	39.54	16.141			
11,150.00	10,917.05	10,766.48	10,512.98	16.40	22.30	-51.60	198.51	-476.35	644.39	604.31	40.08	16.078			
11,200.00	10,925.06	10,800.00	10,518.25	16.39	22.41	-51.46	231.28	-481.01	649.47	608.90	40.57	16.009			
11,250.00	10,928.74	10,824.19	10,520.85	16.39	22.50	-51.40	255.08	-484.40	653.41	612.29	41.11	15.893			
11,267.21	10,929.00	10,834.12	10,521.63	16.40	22.54	-51.42	264.89	-485.80	654.52	613.24	41.28	15.857			
11,300.00	10,929.00	10,850.00	10,522.50	16.41	22.60	-51.60	280.58	-488.03	656.87	615.26	41.61	15.788			
11,400.00	10,929.00	10,951.95	10,523.00	16.45	23.08	-52.30	381.65	-501.34	666.24	623.72	42.52	15.670			
11,500.00	10,929.00	11,074.35	10,523.00	16.56	23.76	-52.84	503.52	-512.67	672.93	629.42	43.51	15.465			
11,600.00	10,929.00	11,197.42	10,523.00	16.98	24.51	-53.10	626.42	-518.81	676.24	631.60	44.64	15.150			
11,700.00	10,929.00	11,308.29	10,523.00	17.81	25.23	-53.13	737.28	-520.31	676.60	630.68	45.92	14.734			
11,800.00	10,929.00	11,408.29	10,523.00	18.80	25.94	-53.12	837.28	-521.13	676.59	629.21	47.38	14.281			
11,900.00	10,929.00	11,508.29	10,523.00	19.85	26.70	-53.12	937.28	-521.96	676.57	627.66	48.92	13.831			
12,000.00	10,929.00	11,608.29	10,523.00	20.97	27.51	-53.12	1,037.27	-522.79	676.56	626.03	50.54	13.388			
12,100.00	10,929.00	11,708.29	10,523.00	22.12	28.38	-53.12	1,137.27	-523.62	676.55	624.32	52.23	12.954			
12,200.00	10,929.00	11,808.29	10,523.00	23.31	29.29	-53.12	1,237.27	-524.45	676.53	622.55	53.98	12.533			
12,300.00	10,929.00	11,908.29	10,523.00	24.52	30.24	-53.12	1,337.26	-525.28	676.52	620.73	55.79	12.126			
12,400.00	10,929.00	12,008.29	10,523.00	25.76	31.22	-53.12	1,437.26	-526.11	676.51	618.85	57.66	11.733			
12,500.00	10,929.00	12,108.29	10,523.00	27.03	32.25	-53.12	1,537.25	-526.94	676.49	616.92	59.57	11.356			
12,600.00	10,929.00	12,208.29	10,523.00	28.31	33.30	-53.12	1,637.25	-527.77	676.48	614.96	61.53	10.995			
12,700.00	10,929.00	12,308.29	10,523.00	29.60	34.39	-53.12	1,737.25	-528.60	676.47	612.95	63.52	10.650			
12,800.00	10,929.00	12,408.29	10,523.00	30.91	35.50	-53.12	1,837.24	-529.43	676.45	610.91	65.55	10.320			
12,900.00	10,929.00	12,508.29	10,523.00	32.23	36.64	-53.12	1,937.24	-530.26	676.44	608.83	67.61	10.005			
13,000.00	10,929.00	12,608.29	10,523.00	33.57	37.80	-53.11	2,037.24	-531.09	676.43	606.73	69.70	9.705			
13,100.00	10,929.00	12,708.29	10,523.00	34.91	38.98	-53.11	2,137.23	-531.92	676.41	604.60	71.81	9.419			
13,200.00	10,929.00	12,808.29	10,523.00	36.26	40.17	-53.11	2,237.23	-532.75	676.40	602.45	73.96	9.146			
13,300.00	10,929.00	12,908.29	10,523.00	37.62	41.39	-53.11	2,337.23	-533.58	676.39	600.27	76.12	8.886			
13,400.00	10,929.00	13,008.29	10,523.00	38.98	42.62	-53.11	2,437.22	-534.41	676.37	598.07	78.30	8.638			
13,500.00	10,929.00	13,108.29	10,523.00	40.35	43.86	-53.11	2,537.22	-535.23	676.36	595.86	80.50	8.402			
13,600.00	10,929.00	13,208.29	10,523.00	41.73	45.12	-53.11	2,637.22	-536.06	676.35	593.63	82.72	8.176			
13,700.00	10,929.00	13,308.29	10,523.00	43.11	46.38	-53.11	2,737.21	-536.89	676.33	591.38	84.95	7.961			
13,800.00	10,929.00	13,408.29	10,523.00	44.49	47.66	-53.11	2,837.21	-537.72	676.32	589.12	87.20	7.756			
13,900.00	10,929.00	13,508.29	10,523.00	45.88	48.95	-53.11	2,937.21	-538.55	676.31	586.84	89.46	7.559			
14,000.00	10,929.00	13,608.29	10,523.00	47.27	50.25	-53.11	3,037.20	-539.38	676.29	584.55	91.74	7.372			

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 601H - 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	
14,100.00	10,929.00	13,708.29	10,523.00	48.67	51.56	-53.11	3,137.20	-540.21	676.28	582.25	94.02	7.193		
14,200.00	10,929.00	13,808.29	10,523.00	50.07	52.87	-53.10	3,237.20	-541.04	676.27	579.94	96.32	7.021		
14,300.00	10,929.00	13,908.29	10,523.00	51.47	54.19	-53.10	3,337.19	-541.87	676.25	577.62	98.63	6.857		
14,400.00	10,929.00	14,008.29	10,523.00	52.88	55.52	-53.10	3,437.19	-542.70	676.24	575.30	100.94	6.699		
14,500.00	10,929.00	14,108.29	10,523.00	54.28	56.85	-53.10	3,537.19	-543.53	676.23	572.96	103.27	6.548		
14,600.00	10,929.00	14,208.29	10,523.00	55.69	58.19	-53.10	3,637.18	-544.36	676.21	570.61	105.60	6.403		
14,700.00	10,929.00	14,308.29	10,523.00	57.10	59.54	-53.10	3,737.18	-545.19	676.20	568.26	107.94	6.265		
14,800.00	10,929.00	14,408.29	10,523.00	58.52	60.89	-53.10	3,837.18	-546.02	676.19	565.90	110.29	6.131		
14,900.00	10,929.00	14,508.29	10,523.00	59.93	62.24	-53.10	3,937.17	-546.85	676.17	563.53	112.64	6.003		
15,000.00	10,929.00	14,608.29	10,523.00	61.35	63.60	-53.10	4,037.17	-547.68	676.16	561.16	115.00	5.880		
15,100.00	10,929.00	14,708.29	10,523.00	62.76	64.97	-53.10	4,137.17	-548.51	676.15	558.78	117.37	5.761		
15,200.00	10,929.00	14,808.29	10,523.00	64.18	66.33	-53.10	4,237.16	-549.34	676.13	556.40	119.74	5.647		
15,300.00	10,929.00	14,908.29	10,523.00	65.60	67.71	-53.10	4,337.16	-550.16	676.12	554.01	122.11	5.537		
15,400.00	10,929.00	15,008.29	10,523.00	67.03	69.08	-53.09	4,437.16	-550.99	676.11	551.61	124.49	5.431		
15,500.00	10,929.00	15,108.29	10,523.00	68.45	70.46	-53.09	4,537.15	-551.82	676.09	549.21	126.88	5.329		
15,600.00	10,929.00	15,208.29	10,523.00	69.87	71.84	-53.09	4,637.15	-552.65	676.08	546.81	129.27	5.230		
15,700.00	10,929.00	15,308.29	10,523.00	71.30	73.22	-53.09	4,737.14	-553.48	676.07	544.40	131.66	5.135		
15,800.00	10,929.00	15,408.29	10,523.00	72.73	74.60	-53.09	4,837.14	-554.31	676.05	541.99	134.06	5.043		
15,900.00	10,929.00	15,508.29	10,523.00	74.15	75.99	-53.09	4,937.14	-555.14	676.04	539.58	136.46	4.954		
16,000.00	10,929.00	15,608.29	10,523.00	75.58	77.38	-53.09	5,037.13	-555.97	676.03	537.16	138.87	4.868		
16,100.00	10,929.00	15,708.29	10,523.00	77.01	78.78	-53.09	5,137.13	-556.80	676.01	534.74	141.28	4.785		
16,200.00	10,929.00	15,808.29	10,523.00	78.44	80.17	-53.09	5,237.13	-557.63	676.00	532.31	143.69	4.705		
16,300.00	10,929.00	15,908.29	10,523.00	79.87	81.57	-53.09	5,337.12	-558.46	675.99	529.88	146.10	4.627		
16,400.00	10,929.00	16,008.29	10,523.00	81.30	82.97	-53.09	5,437.12	-559.29	675.97	527.45	148.52	4.551		
16,500.00	10,929.00	16,108.29	10,523.00	82.73	84.37	-53.08	5,537.12	-560.12	675.96	525.02	150.94	4.478		
16,600.00	10,929.00	16,208.29	10,523.00	84.16	85.77	-53.08	5,637.11	-560.95	675.95	522.58	153.36	4.408		
16,700.00	10,929.00	16,308.29	10,523.00	85.60	87.17	-53.08	5,737.11	-561.78	675.93	520.15	155.79	4.339		
16,800.00	10,929.00	16,408.29	10,523.00	87.03	88.58	-53.08	5,837.11	-562.61	675.92	517.71	158.21	4.272		
16,900.00	10,929.00	16,508.29	10,523.00	88.46	89.98	-53.08	5,937.10	-563.44	675.91	515.26	160.64	4.208		
17,000.00	10,929.00	16,608.29	10,523.00	89.90	91.39	-53.08	6,037.10	-564.27	675.89	512.82	163.07	4.145		
17,100.00	10,929.00	16,708.29	10,523.00	91.33	92.80	-53.08	6,137.10	-565.09	675.88	510.37	165.51	4.084		
17,200.00	10,929.00	16,808.29	10,523.00	92.77	94.21	-53.08	6,237.09	-565.92	675.87	507.92	167.94	4.024		
17,300.00	10,929.00	16,908.29	10,523.00	94.21	95.62	-53.08	6,337.09	-566.75	675.85	505.47	170.38	3.967		
17,400.00	10,929.00	17,008.29	10,523.00	95.64	97.03	-53.08	6,437.09	-567.58	675.84	503.02	172.82	3.911		
17,500.00	10,929.00	17,108.29	10,523.00	97.08	98.45	-53.08	6,537.08	-568.41	675.82	500.56	175.26	3.856		
17,600.00	10,929.00	17,208.29	10,523.00	98.52	99.86	-53.08	6,637.08	-569.24	675.81	498.11	177.70	3.803		
17,700.00	10,929.00	17,308.29	10,523.00	99.95	101.28	-53.07	6,737.08	-570.07	675.80	495.65	180.15	3.751		
17,800.00	10,929.00	17,408.29	10,523.00	101.39	102.70	-53.07	6,837.07	-570.90	675.78	493.19	182.59	3.701		
17,900.00	10,929.00	17,508.29	10,523.00	102.83	104.11	-53.07	6,937.07	-571.73	675.77	490.73	185.04	3.652		
18,000.00	10,929.00	17,608.29	10,523.00	104.27	105.53	-53.07	7,037.07	-572.56	675.76	488.27	187.49	3.604		
18,100.00	10,929.00	17,708.29	10,523.00	105.71	106.95	-53.07	7,137.06	-573.39	675.74	485.81	189.94	3.558		
18,200.00	10,929.00	17,808.29	10,523.00	107.14	108.37	-53.07	7,237.06	-574.22	675.73	483.34	192.39	3.512		
18,300.00	10,929.00	17,908.29	10,523.00	108.58	109.79	-53.07	7,337.06	-575.05	675.72	480.88	194.84	3.468		
18,400.00	10,929.00	18,008.29	10,523.00	110.02	111.22	-53.07	7,437.05	-575.88	675.70	478.41	197.29	3.425		
18,500.00	10,929.00	18,108.29	10,523.00	111.46	112.64	-53.07	7,537.05	-576.71	675.69	475.94	199.75	3.383		
18,600.00	10,929.00	18,208.29	10,523.00	112.90	114.06	-53.07	7,637.05	-577.54	675.68	473.48	202.20	3.342		
18,700.00	10,929.00	18,308.29	10,523.00	114.34	115.49	-53.07	7,737.04	-578.37	675.66	471.01	204.66	3.301		
18,800.00	10,929.00	18,408.29	10,523.00	115.78	116.91	-53.07	7,837.04	-579.19	675.65	468.53	207.12	3.262		
18,900.00	10,929.00	18,508.29	10,523.00	117.23	118.34	-53.06	7,937.03	-580.02	675.64	466.06	209.57	3.224		
19,000.00	10,929.00	18,608.29	10,523.00	118.67	119.76	-53.06	8,037.03	-580.85	675.62	463.59	212.03	3.186		
19,100.00	10,929.00	18,708.29	10,523.00	120.11	121.19	-53.06	8,137.03	-581.68	675.61	461.12	214.49	3.150		
19,200.00	10,929.00	18,808.29	10,523.00	121.55	122.62	-53.06	8,237.02	-582.51	675.60	458.64	216.96	3.114		

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 601H - 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		Distance		Rule Assigned:		Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
19,300.00	10,929.00	18,908.29	10,523.00	122.99	124.04	-53.06	8,337.02	-583.34	675.58	456.17	219.42	3.079	
19,400.00	10,929.00	19,008.29	10,523.00	124.43	125.47	-53.06	8,437.02	-584.17	675.57	453.69	221.88	3.045	
19,500.00	10,929.00	19,108.29	10,523.00	125.87	126.90	-53.06	8,537.01	-585.00	675.56	451.21	224.34	3.011	
19,600.00	10,929.00	19,208.29	10,523.00	127.32	128.33	-53.06	8,637.01	-585.83	675.54	448.74	226.81	2.978	
19,700.00	10,929.00	19,308.29	10,523.00	128.76	129.76	-53.06	8,737.01	-586.66	675.53	446.26	229.27	2.946	
19,740.72	10,929.00	19,349.01	10,523.00	129.35	130.34	-53.06	8,777.72	-587.00	675.53	445.25	230.28	2.934	



Altitude Energy Partners

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 801H - 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	90.69	-0.30	25.00	25.00						
100.00	100.00	100.00	100.00	0.79	0.79	90.69	-0.30	25.00	25.00	23.42	1.58	15.782			
200.00	200.00	200.00	200.00	1.45	1.45	90.69	-0.30	25.00	25.00	22.10	2.90	8.624			
300.00	300.00	300.00	300.00	1.89	1.89	90.69	-0.30	25.00	25.00	21.21	3.79	6.599			
400.00	400.00	400.00	400.00	2.26	2.26	90.69	-0.30	25.00	25.00	20.49	4.51	5.541			
500.00	500.00	500.00	500.00	2.57	2.57	90.69	-0.30	25.00	25.00	19.86	5.14	4.865			
600.00	600.00	600.00	600.00	2.85	2.85	90.69	-0.30	25.00	25.00	19.30	5.70	4.384			
700.00	700.00	700.00	700.00	3.11	3.11	90.69	-0.30	25.00	25.00	18.78	6.22	4.020			
800.00	800.00	800.00	800.00	3.35	3.35	90.69	-0.30	25.00	25.00	18.30	6.70	3.731			
900.00	900.00	900.00	900.00	3.58	3.58	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	25.00	25.00	15.18	9.83	2.545			
1,700.00	1,700.00	1,700.00	1,700.00	5.08	5.08	90.69	-0.30	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	90.69	-0.30	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	90.69	-0.30	25.00	25.00	14.20	10.81	2.314			
2,000.00	2,000.00	2,000.00	2,000.00	5.56	5.56	90.69	-0.30	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	90.69	-0.30	25.00	25.00	13.58	11.43	2.188			
2,200.00	2,199.99	2,199.99	2,199.99	5.88	5.86	-85.94	-0.30	25.00	24.88	13.17	11.70	2.126			
2,253.13	2,253.09	2,253.09	2,253.09	5.95	5.94	-90.00	-0.30	25.00	24.81	12.98	11.83	2.097 CC			
2,300.00	2,299.91	2,299.91	2,299.91	6.02	6.01	-94.98	-0.30	25.00	24.91	12.96	11.95	2.084 ES, SF			
2,400.00	2,399.69	2,399.69	2,399.69	6.19	6.16	-109.28	-0.30	25.00	26.30	14.08	12.21	2.153			
2,433.22	2,432.80	2,433.03	2,433.03	6.22	6.20	-114.70	-0.39	24.89	27.19	14.91	12.28	2.215			
2,500.00	2,499.32	2,500.09	2,500.08	6.29	6.31	-124.99	-1.11	23.97	28.93	16.48	12.46	2.323			
2,600.00	2,598.94	2,600.59	2,600.49	6.47	6.46	-138.85	-3.55	20.86	30.90	18.12	12.79	2.417			
2,700.00	2,698.56	2,701.05	2,700.73	6.66	6.62	-152.71	-7.61	15.67	32.12	18.97	13.15	2.442			
2,800.00	2,798.18	2,800.92	2,800.24	6.87	6.72	-167.19	-12.90	8.92	33.58	20.11	13.46	2.494			
2,900.00	2,897.80	2,900.56	2,899.50	7.10	6.89	-179.91	-18.25	2.09	36.86	23.06	13.80	2.671			
3,000.00	2,997.42	3,000.20	2,998.76	7.34	7.08	-169.85	-23.60	-4.74	41.65	27.54	14.11	2.952			
3,100.00	3,097.04	3,099.84	3,098.02	7.59	7.28	-161.91	-28.96	-11.57	47.47	33.08	14.39	3.298			
3,200.00	3,196.66	3,199.48	3,197.28	7.85	7.50	-155.79	-34.31	-18.40	54.00	39.33	14.67	3.681			
3,300.00	3,296.28	3,299.12	3,296.54	8.12	7.73	-151.03	-39.66	-25.24	61.02	46.07	14.95	4.082			
3,400.00	3,395.90	3,398.76	3,395.81	8.41	7.97	-147.27	-45.02	-32.07	68.36	53.13	15.24	4.487			
3,500.00	3,495.52	3,498.40	3,495.07	8.70	8.23	-144.25	-50.37	-38.90	75.94	60.41	15.53	4.890			
3,600.00	3,595.14	3,598.04	3,594.33	8.99	8.49	-141.78	-55.72	-45.73	83.70	67.86	15.83	5.287			
3,700.00	3,694.76	3,697.68	3,693.59	9.30	8.77	-139.73	-61.08	-52.56	91.58	75.43	16.14	5.673			
3,800.00	3,794.38	3,797.32	3,792.85	9.61	9.05	-138.01	-66.43	-59.40	99.56	83.09	16.46	6.048			
3,900.00	3,894.00	3,896.96	3,892.11	9.92	9.34	-136.54	-71.78	-66.23	107.61	90.82	16.79	6.410			
4,000.00	3,993.62	3,996.60	3,991.37	10.24	9.63	-135.28	-77.14	-73.06	115.73	98.61	17.12	6.759			
4,100.00	4,093.24	4,096.24	4,090.64	10.57	9.93	-134.19	-82.49	-79.89	123.89	106.43	17.46	7.095			
4,200.00	4,192.86	4,195.88	4,189.90	10.90	10.24	-133.23	-87.84	-86.72	132.10	114.29	17.81	7.418			
4,300.00	4,292.48	4,295.52	4,289.16	11.23	10.56	-132.38	-93.20	-93.56	140.33	122.17	18.16	7.727			
4,400.00	4,392.10	4,395.16	4,388.42	11.57	10.87	-131.63	-98.55	-100.39	148.60	130.08	18.52	8.024			
4,500.00	4,491.72	4,494.80	4,487.68	11.91	11.20	-130.95	-103.90	-107.22	156.88	138.00	18.88	8.309			
4,600.00	4,591.34	4,594.44	4,586.94	12.25	11.52	-130.35	-109.26	-114.05	165.19	145.94	19.25	8.582			
4,700.00	4,690.96	4,694.08	4,686.20	12.60	11.85	-129.80	-114.61	-120.88	173.51	153.89	19.62	8.843			
4,800.00	4,790.58	4,793.72	4,785.46	12.94	12.19	-129.30	-119.96	-127.72	181.85	161.85	20.00	9.094			
4,900.00	4,890.20	4,893.36	4,884.73	13.29	12.52	-128.85	-125.32	-134.55	190.19	169.82	20.38	9.334			

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 801H - 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	4,989.82	4,993.00	4,983.99	13.65	12.86	128.43	-130.67	-141.38	198.55	177.79	20.76	9.564			
5,100.00	5,089.44	5,092.64	5,083.25	14.00	13.20	128.05	-136.02	-148.21	206.92	185.78	21.15	9.785			
5,147.95	5,137.20	5,140.41	5,130.84	14.15	13.37	127.88	-138.59	-151.49	210.94	189.62	21.31	9.896			
5,200.00	5,189.09	5,192.29	5,182.52	14.32	13.55	127.67	-141.38	-155.04	215.08	193.59	21.49	10.006			
5,300.00	5,288.90	5,292.00	5,281.86	14.67	13.89	126.88	-146.74	-161.88	221.86	200.01	21.86	10.151			
5,400.00	5,388.84	5,391.72	5,381.19	14.97	14.24	125.59	-152.09	-168.72	227.17	204.98	22.18	10.241			
5,481.17	5,470.00	5,472.61	5,461.78	15.09	14.53	-62.18	-156.44	-174.27	230.47	208.11	22.37	10.304			
5,500.00	5,488.83	5,491.37	5,480.47	15.09	14.59	-62.55	-157.45	-175.55	231.15	208.76	22.39	10.323			
5,600.00	5,588.83	5,590.99	5,579.71	15.15	14.94	-64.48	-162.80	-182.38	234.90	212.29	22.61	10.388			
5,700.00	5,688.83	5,690.61	5,678.95	15.19	15.30	-66.34	-168.15	-189.21	238.91	216.07	22.85	10.458			
5,800.00	5,788.83	5,790.23	5,778.19	15.24	15.65	-68.15	-173.50	-196.04	243.17	220.07	23.10	10.525			
5,900.00	5,888.83	5,889.85	5,877.43	15.28	16.01	-69.88	-178.86	-202.87	247.66	224.27	23.39	10.589			
6,000.00	5,988.83	5,989.47	5,976.67	15.33	16.37	-71.56	-184.21	-209.70	252.37	228.68	23.69	10.652			
6,100.00	6,088.83	6,089.09	6,075.91	15.37	16.73	-73.18	-189.56	-216.54	257.29	233.27	24.02	10.711			
6,200.00	6,188.83	6,188.71	6,175.15	15.42	17.09	-74.73	-194.91	-223.37	262.41	238.04	24.37	10.769			
6,300.00	6,288.83	6,288.33	6,274.40	15.46	17.45	-76.22	-200.27	-230.20	267.72	242.98	24.73	10.824			
6,400.00	6,388.83	6,387.95	6,373.64	15.51	17.81	-77.65	-205.62	-237.03	273.19	248.08	25.11	10.878			
6,500.00	6,488.83	6,487.57	6,472.88	15.56	18.18	-79.03	-210.97	-243.86	278.84	253.32	25.51	10.930			
6,600.00	6,588.83	6,587.19	6,572.12	15.60	18.54	-80.35	-216.32	-250.69	284.63	258.71	25.92	10.981			
6,700.00	6,688.83	6,686.81	6,671.36	15.65	18.91	-81.62	-221.68	-257.52	290.58	264.23	26.34	11.030			
6,800.00	6,788.83	6,786.43	6,770.60	15.70	19.27	-82.84	-227.03	-264.35	296.66	269.88	26.78	11.078			
6,900.00	6,888.83	6,886.05	6,869.84	15.74	19.64	-84.01	-232.38	-271.18	302.86	275.64	27.22	11.126			
7,000.00	6,988.83	6,985.67	6,969.08	15.79	20.01	-85.13	-237.73	-278.01	309.19	281.52	27.67	11.173			
7,100.00	7,088.83	7,085.29	7,068.33	15.84	20.38	-86.20	-243.08	-284.84	315.63	287.50	28.13	11.220			
7,200.00	7,188.83	7,184.91	7,167.57	15.89	20.75	-87.24	-248.44	-291.67	322.18	293.59	28.60	11.266			
7,300.00	7,288.83	7,284.53	7,266.81	15.94	21.12	-88.23	-253.79	-298.50	328.83	299.77	29.07	11.313			
7,400.00	7,388.83	7,390.68	7,372.65	15.99	21.55	-89.11	-258.76	-304.84	334.71	305.12	29.59	11.311			
7,500.00	7,488.83	7,497.95	7,479.79	16.04	21.91	-89.66	-261.94	-308.90	338.47	308.46	30.00	11.282			
7,600.00	7,588.83	7,605.42	7,587.24	16.08	22.19	-89.89	-263.27	-310.60	340.04	309.73	30.30	11.221			
7,700.00	7,688.83	7,707.02	7,688.83	16.13	22.23	-89.89	-263.31	-310.65	340.09	309.68	30.40	11.185			
7,800.00	7,788.83	7,807.02	7,788.83	16.18	22.26	-89.89	-263.31	-310.65	340.09	309.58	30.51	11.147			
7,900.00	7,888.83	7,907.02	7,888.83	16.23	22.30	-89.89	-263.31	-310.65	340.09	309.48	30.61	11.109			
8,000.00	7,988.83	8,007.02	7,988.83	16.29	22.33	-89.89	-263.31	-310.65	340.09	309.37	30.72	11.072			
8,100.00	8,088.83	8,107.02	8,088.83	16.34	22.36	-89.89	-263.31	-310.65	340.09	309.27	30.82	11.034			
8,200.00	8,188.83	8,207.02	8,188.83	16.39	22.39	-89.89	-263.31	-310.65	340.09	309.16	30.93	10.996			
8,300.00	8,288.83	8,307.02	8,288.83	16.44	22.42	-89.89	-263.31	-310.65	340.09	309.05	31.03	10.959			
8,400.00	8,388.83	8,407.02	8,388.83	16.49	22.46	-89.89	-263.31	-310.65	340.09	308.95	31.14	10.921			
8,500.00	8,488.83	8,507.02	8,488.83	16.54	22.49	-89.89	-263.31	-310.65	340.09	308.84	31.25	10.884			
8,600.00	8,588.83	8,607.02	8,588.83	16.59	22.52	-89.89	-263.31	-310.65	340.09	308.73	31.35	10.847			
8,700.00	8,688.83	8,707.02	8,688.83	16.65	22.55	-89.89	-263.31	-310.65	340.09	308.63	31.46	10.809			
8,800.00	8,788.83	8,807.02	8,788.83	16.70	22.59	-89.89	-263.31	-310.65	340.09	308.52	31.57	10.772			
8,900.00	8,888.83	8,907.02	8,888.83	16.75	22.62	-89.89	-263.31	-310.65	340.09	308.41	31.68	10.736			
9,000.00	8,988.83	9,007.02	8,988.83	16.80	22.66	-89.89	-263.31	-310.65	340.09	308.30	31.79	10.699			
9,100.00	9,088.83	9,107.02	9,088.83	16.86	22.69	-89.89	-263.31	-310.65	340.09	308.19	31.90	10.662			
9,200.00	9,188.83	9,207.02	9,188.83	16.91	22.72	-89.89	-263.31	-310.65	340.09	308.08	32.01	10.626			
9,300.00	9,288.83	9,307.02	9,288.83	16.96	22.76	-89.89	-263.31	-310.65	340.09	307.97	32.12	10.589			
9,400.00	9,388.83	9,407.02	9,388.83	17.02	22.79	-89.89	-263.31	-310.65	340.09	307.86	32.23	10.553			
9,500.00	9,488.83	9,507.02	9,488.83	17.07	22.83	-89.89	-263.31	-310.65	340.09	307.75	32.34	10.517			
9,600.00	9,588.83	9,607.02	9,588.83	17.13	22.86	-89.89	-263.31	-310.65	340.09	307.64	32.45	10.481			
9,700.00	9,688.83	9,707.02	9,688.83	17.18	22.90	-89.89	-263.31	-310.65	340.09	307.53	32.56	10.445			
9,800.00	9,788.83	9,807.02	9,788.83	17.23	22.94	-89.89	-263.31	-310.65	340.09	307.42	32.67	10.409			
9,900.00	9,888.83	9,907.02	9,888.83	17.29	22.97	-89.89	-263.31	-310.65	340.09	307.30	32.78	10.373			

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 801H - 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	9,988.83	10,007.02	9,988.83	17.34	23.01	-89.89	-263.31	-310.65	340.09	307.19	32.90	10.338			
10,100.00	10,088.83	10,107.02	10,088.83	17.40	23.04	-89.89	-263.31	-310.65	340.09	307.08	33.01	10.302			
10,200.00	10,188.83	10,207.02	10,188.83	17.46	23.08	-89.89	-263.31	-310.65	340.09	306.96	33.12	10.267			
10,300.00	10,288.83	10,307.02	10,288.83	17.51	23.12	-89.89	-263.31	-310.65	340.09	306.85	33.24	10.232			
10,367.21	10,356.04	10,374.23	10,356.04	17.54	23.14	-89.89	-263.31	-310.65	340.09	306.79	33.30	10.213			
10,400.00	10,388.81	10,407.00	10,388.81	17.52	23.16	-89.57	-263.31	-310.65	340.08	306.74	33.34	10.201			
10,430.66	10,419.37	10,437.55	10,419.37	17.48	23.17	-90.00	-263.31	-310.65	340.07	306.66	33.41	10.180			
10,450.00	10,438.54	10,456.73	10,438.54	17.46	23.17	-90.41	-263.31	-310.65	340.08	306.61	33.47	10.162			
10,500.00	10,487.65	10,505.83	10,487.65	17.39	23.19	-91.94	-263.31	-310.65	340.27	306.60	33.67	10.106			
10,550.00	10,535.75	10,553.93	10,535.75	17.30	23.21	-94.06	-263.31	-310.65	341.02	307.06	33.96	10.043			
10,600.00	10,582.48	10,600.67	10,582.48	17.20	23.23	-96.65	-263.31	-310.65	342.79	308.48	34.32	9.989			
10,650.00	10,627.49	10,645.67	10,627.49	17.11	23.25	-99.54	-263.31	-310.65	346.20	311.45	34.75	9.963			
10,700.00	10,670.43	10,688.62	10,670.43	17.01	23.26	-102.54	-263.31	-310.65	351.89	316.66	35.24	9.987			
10,750.00	10,710.98	10,729.17	10,710.98	16.91	23.28	-105.44	-263.31	-310.65	360.51	324.76	35.75	10.084			
10,800.00	10,748.83	10,767.02	10,748.83	16.82	23.29	-108.06	-263.31	-310.65	372.62	336.36	36.26	10.276			
10,850.00	10,783.69	10,801.88	10,783.69	16.73	23.31	-110.21	-263.31	-310.65	388.65	351.91	36.73	10.581			
10,900.00	10,815.30	10,833.49	10,815.30	16.65	23.32	-111.75	-263.31	-310.65	408.80	371.66	37.14	11.008			
10,950.00	10,843.41	10,861.60	10,843.41	16.58	23.33	-112.52	-263.31	-310.65	433.10	395.65	37.45	11.563			
11,000.00	10,867.81	10,886.00	10,867.81	16.52	23.34	-112.41	-263.31	-310.65	461.39	423.70	37.68	12.243			
11,050.00	10,888.32	10,906.50	10,888.32	16.47	23.35	-111.25	-263.31	-310.65	493.34	455.51	37.83	13.040			
11,100.00	10,904.77	10,922.96	10,904.77	16.43	23.35	-108.90	-263.31	-310.65	528.54	490.62	37.92	13.940			
11,150.00	10,917.05	10,935.24	10,917.05	16.40	23.36	-105.14	-263.31	-310.65	566.49	528.54	37.95	14.929			
11,200.00	10,925.06	10,943.25	10,925.06	16.39	23.36	-99.81	-263.31	-310.65	606.67	568.73	37.94	15.990			
11,250.00	10,928.74	10,946.93	10,928.74	16.39	23.36	-92.79	-263.31	-310.65	648.55	610.64	37.91	17.106			
11,267.21	10,929.00	10,947.19	10,929.00	16.40	23.36	-90.00	-263.31	-310.65	663.26	625.36	37.90	17.500			
11,300.00	10,929.00	10,947.19	10,929.00	16.41	23.36	-90.00	-263.31	-310.65	691.62	653.75	37.87	18.261			
11,400.00	10,929.00	10,947.19	10,929.00	16.45	23.36	-90.00	-263.31	-310.65	780.25	742.48	37.77	20.657			
11,500.00	10,929.00	10,947.19	10,929.00	16.56	23.36	-90.00	-263.31	-310.65	871.34	833.68	37.66	23.139			
11,600.00	10,929.00	12,293.45	11,666.00	16.98	25.43	-144.92	571.36	-495.22	903.00	858.34	44.66	20.220			
11,700.00	10,929.00	12,415.32	11,666.00	17.81	26.25	-144.26	692.43	-509.09	909.13	863.79	45.34	20.050			
11,800.00	10,929.00	12,538.07	11,666.00	18.80	27.14	-143.86	814.86	-517.85	912.83	866.63	46.20	19.758			
11,900.00	10,929.00	12,661.26	11,666.00	19.85	28.06	-143.74	938.00	-521.36	914.01	866.81	47.20	19.366			
11,935.44	10,929.00	12,695.94	11,666.00	20.25	28.32	-143.74	972.67	-521.65	914.01	866.50	47.51	19.237			
12,000.00	10,929.00	12,760.50	11,666.00	20.97	28.83	-143.74	1,037.23	-522.19	914.01	865.88	48.13	18.992			
12,100.00	10,929.00	12,860.50	11,666.00	22.12	29.66	-143.74	1,137.23	-523.03	914.00	864.87	49.13	18.603			
12,200.00	10,929.00	12,960.50	11,666.00	23.31	30.53	-143.74	1,237.23	-523.86	914.00	863.79	50.21	18.205			
12,300.00	10,929.00	13,060.50	11,666.00	24.52	31.45	-143.74	1,337.22	-524.70	913.99	862.65	51.35	17.801			
12,400.00	10,929.00	13,160.50	11,666.00	25.76	32.40	-143.74	1,437.22	-525.54	913.99	861.44	52.55	17.394			
12,500.00	10,929.00	13,260.50	11,666.00	27.03	33.39	-143.74	1,537.22	-526.37	913.98	860.18	53.80	16.987			
12,600.00	10,929.00	13,360.50	11,666.00	28.31	34.41	-143.74	1,637.21	-527.21	913.98	858.86	55.12	16.583			
12,700.00	10,929.00	13,460.50	11,666.00	29.60	35.46	-143.74	1,737.21	-528.05	913.97	857.49	56.48	16.183			
12,800.00	10,929.00	13,560.50	11,666.00	30.91	36.54	-143.74	1,837.21	-528.89	913.97	856.08	57.88	15.790			
12,900.00	10,929.00	13,660.50	11,666.00	32.23	37.65	-143.74	1,937.20	-529.72	913.96	854.63	59.33	15.404			
13,000.00	10,929.00	13,760.50	11,666.00	33.57	38.78	-143.74	2,037.20	-530.56	913.95	853.13	60.82	15.027			
13,100.00	10,929.00	13,860.50	11,666.00	34.91	39.93	-143.74	2,137.20	-531.40	913.95	851.60	62.35	14.659			
13,200.00	10,929.00	13,960.50	11,666.00	36.26	41.11	-143.75	2,237.19	-532.24	913.94	850.03	63.91	14.300			
13,300.00	10,929.00	14,060.50	11,666.00	37.62	42.30	-143.75	2,337.19	-533.07	913.94	848.43	65.50	13.952			
13,400.00	10,929.00	14,160.50	11,666.00	38.98	43.50	-143.75	2,437.19	-533.91	913.93	846.81	67.13	13.615			
13,500.00	10,929.00	14,260.50	11,666.00	40.35	44.72	-143.75	2,537.18	-534.75	913.93	845.15	68.78	13.288			
13,600.00	10,929.00	14,360.50	11,666.00	41.73	45.96	-143.75	2,637.18	-535.58	913.92	843.47	70.46	12.972			
13,700.00	10,929.00	14,460.50	11,666.00	43.11	47.21	-143.75	2,737.17	-536.42	913.92	841.76	72.16	12.666			
13,800.00	10,929.00	14,560.50	11,666.00	44.49	48.47	-143.75	2,837.17	-537.26	913.91	840.03	73.88	12.370			

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 801H - 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
13,900.00	10,929.00	14,660.50	11,666.00	45.88	49.74	-143.75	2,937.17	-538.10	913.91	838.28	75.62	12.085	
14,000.00	10,929.00	14,760.50	11,666.00	47.27	51.02	-143.75	3,037.16	-538.93	913.90	836.51	77.39	11.809	
14,100.00	10,929.00	14,860.50	11,666.00	48.67	52.31	-143.75	3,137.16	-539.77	913.90	834.73	79.17	11.544	
14,200.00	10,929.00	14,960.50	11,666.00	50.07	53.61	-143.75	3,237.16	-540.61	913.89	832.92	80.97	11.287	
14,300.00	10,929.00	15,060.50	11,666.00	51.47	54.92	-143.75	3,337.15	-541.45	913.89	831.10	82.78	11.040	
14,400.00	10,929.00	15,160.50	11,666.00	52.88	56.23	-143.75	3,437.15	-542.28	913.88	829.27	84.61	10.801	
14,500.00	10,929.00	15,260.50	11,666.00	54.28	57.56	-143.75	3,537.15	-543.12	913.88	827.42	86.46	10.570	
14,600.00	10,929.00	15,360.50	11,666.00	55.69	58.88	-143.75	3,637.14	-543.96	913.87	825.56	88.31	10.348	
14,700.00	10,929.00	15,460.50	11,666.00	57.10	60.22	-143.75	3,737.14	-544.79	913.87	823.68	90.18	10.134	
14,800.00	10,929.00	15,560.50	11,666.00	58.52	61.56	-143.75	3,837.14	-545.63	913.86	821.80	92.06	9.927	
14,900.00	10,929.00	15,660.50	11,666.00	59.93	62.90	-143.75	3,937.13	-546.47	913.85	819.90	93.95	9.727	
15,000.00	10,929.00	15,760.50	11,666.00	61.35	64.25	-143.75	4,037.13	-547.31	913.85	818.00	95.85	9.534	
15,100.00	10,929.00	15,860.50	11,666.00	62.76	65.60	-143.75	4,137.13	-548.14	913.84	816.08	97.76	9.348	
15,200.00	10,929.00	15,960.50	11,666.00	64.18	66.96	-143.75	4,237.12	-548.98	913.84	814.16	99.68	9.167	
15,300.00	10,929.00	16,060.50	11,666.00	65.60	68.32	-143.75	4,337.12	-549.82	913.83	812.22	101.61	8.993	
15,400.00	10,929.00	16,160.50	11,666.00	67.03	69.69	-143.75	4,437.12	-550.65	913.83	810.28	103.55	8.825	
15,500.00	10,929.00	16,260.50	11,666.00	68.45	71.06	-143.76	4,537.11	-551.49	913.82	808.33	105.49	8.663	
15,600.00	10,929.00	16,360.50	11,666.00	69.87	72.43	-143.76	4,637.11	-552.33	913.82	806.38	107.44	8.505	
15,700.00	10,929.00	16,460.50	11,666.00	71.30	73.81	-143.76	4,737.10	-553.17	913.81	804.41	109.40	8.353	
15,800.00	10,929.00	16,560.50	11,666.00	72.73	75.19	-143.76	4,837.10	-554.00	913.81	802.44	111.36	8.206	
15,900.00	10,929.00	16,660.50	11,666.00	74.15	76.57	-143.76	4,937.10	-554.84	913.80	800.47	113.33	8.063	
16,000.00	10,929.00	16,760.50	11,666.00	75.58	77.95	-143.76	5,037.09	-555.68	913.80	798.49	115.31	7.925	
16,100.00	10,929.00	16,860.50	11,666.00	77.01	79.34	-143.76	5,137.09	-556.52	913.79	796.50	117.29	7.791	
16,200.00	10,929.00	16,960.50	11,666.00	78.44	80.72	-143.76	5,237.09	-557.35	913.79	794.51	119.28	7.661	
16,300.00	10,929.00	17,060.50	11,666.00	79.87	82.12	-143.76	5,337.08	-558.19	913.78	792.51	121.27	7.535	
16,400.00	10,929.00	17,160.50	11,666.00	81.30	83.51	-143.76	5,437.08	-559.03	913.78	790.51	123.26	7.413	
16,500.00	10,929.00	17,260.50	11,666.00	82.73	84.90	-143.76	5,537.08	-559.86	913.77	788.51	125.27	7.295	
16,600.00	10,929.00	17,360.50	11,666.00	84.16	86.30	-143.76	5,637.07	-560.70	913.77	786.50	127.27	7.180	
16,700.00	10,929.00	17,460.50	11,666.00	85.60	87.70	-143.76	5,737.07	-561.54	913.76	784.48	129.28	7.068	
16,800.00	10,929.00	17,560.50	11,666.00	87.03	89.10	-143.76	5,837.07	-562.38	913.76	782.46	131.29	6.960	
16,900.00	10,929.00	17,660.50	11,666.00	88.46	90.50	-143.76	5,937.06	-563.21	913.75	780.44	133.31	6.854	
17,000.00	10,929.00	17,760.50	11,666.00	89.90	91.90	-143.76	6,037.06	-564.05	913.74	778.42	135.33	6.752	
17,100.00	10,929.00	17,860.50	11,666.00	91.33	93.31	-143.76	6,137.06	-564.89	913.74	776.39	137.35	6.653	
17,200.00	10,929.00	17,960.50	11,666.00	92.77	94.71	-143.76	6,237.05	-565.73	913.73	774.36	139.38	6.556	
17,300.00	10,929.00	18,060.50	11,666.00	94.21	96.12	-143.76	6,337.05	-566.56	913.73	772.32	141.41	6.462	
17,400.00	10,929.00	18,160.50	11,666.00	95.64	97.53	-143.76	6,437.05	-567.40	913.72	770.28	143.44	6.370	
17,500.00	10,929.00	18,260.50	11,666.00	97.08	98.94	-143.76	6,537.04	-568.24	913.72	768.24	145.48	6.281	
17,600.00	10,929.00	18,360.50	11,666.00	98.52	100.35	-143.76	6,637.04	-569.07	913.71	766.20	147.51	6.194	
17,700.00	10,929.00	18,460.50	11,666.00	99.95	101.76	-143.77	6,737.03	-569.91	913.71	764.15	149.55	6.110	
17,800.00	10,929.00	18,560.50	11,666.00	101.39	103.18	-143.77	6,837.03	-570.75	913.70	762.11	151.60	6.027	
17,900.00	10,929.00	18,660.50	11,666.00	102.83	104.59	-143.77	6,937.03	-571.59	913.70	760.05	153.64	5.947	
18,000.00	10,929.00	18,760.50	11,666.00	104.27	106.01	-143.77	7,037.02	-572.42	913.69	758.00	155.69	5.869	
18,100.00	10,929.00	18,860.50	11,666.00	105.71	107.42	-143.77	7,137.02	-573.26	913.69	755.95	157.74	5.792	
18,200.00	10,929.00	18,960.50	11,666.00	107.14	108.84	-143.77	7,237.02	-574.10	913.68	753.89	159.79	5.718	
18,300.00	10,929.00	19,060.50	11,666.00	108.58	110.26	-143.77	7,337.01	-574.93	913.68	751.83	161.85	5.645	
18,400.00	10,929.00	19,160.50	11,666.00	110.02	111.68	-143.77	7,437.01	-575.77	913.67	749.77	163.90	5.574	
18,500.00	10,929.00	19,260.50	11,666.00	111.46	113.10	-143.77	7,537.01	-576.61	913.67	747.70	165.96	5.505	
18,600.00	10,929.00	19,360.50	11,666.00	112.90	114.52	-143.77	7,637.00	-577.45	913.66	745.64	168.02	5.438	
18,700.00	10,929.00	19,460.50	11,666.00	114.34	115.94	-143.77	7,737.00	-578.28	913.66	743.57	170.08	5.372	
18,800.00	10,929.00	19,560.50	11,666.00	115.78	117.36	-143.77	7,837.00	-579.12	913.65	741.50	172.15	5.307	
18,900.00	10,929.00	19,660.50	11,666.00	117.23	118.78	-143.77	7,936.99	-579.96	913.65	739.43	174.21	5.244	
19,000.00	10,929.00	19,760.50	11,666.00	118.67	120.21	-143.77	8,036.99	-580.80	913.64	737.36	176.28	5.183	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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: Gold Rush Pad - Gold State Com 801H - 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			
19,100.00	10,929.00	19,860.50	11,666.00	120.11	121.63	-143.77	8,136.99	-581.63	913.63	735.29	178.35	5.123				
19,200.00	10,929.00	19,960.50	11,666.00	121.55	123.06	-143.77	8,236.98	-582.47	913.63	733.21	180.42	5.064				
19,300.00	10,929.00	20,060.50	11,666.00	122.99	124.48	-143.77	8,336.98	-583.31	913.62	731.14	182.49	5.007				
19,400.00	10,929.00	20,160.50	11,666.00	124.43	125.91	-143.77	8,436.98	-584.14	913.62	729.06	184.56	4.950				
19,500.00	10,929.00	20,260.50	11,666.00	125.87	127.33	-143.77	8,536.97	-584.98	913.61	726.98	186.63	4.895				
19,600.00	10,929.00	20,360.50	11,666.00	127.32	128.76	-143.77	8,636.97	-585.82	913.61	724.90	188.71	4.841				
19,700.00	10,929.00	20,460.50	11,666.00	128.76	130.19	-143.77	8,736.96	-586.66	913.60	722.82	190.78	4.789				
19,740.72	10,929.00	20,501.22	11,666.00	129.35	130.77	-143.77	8,777.68	-587.00	913.60	721.97	191.63	4.768				



Altitude Energy Partners

Anticollision Report

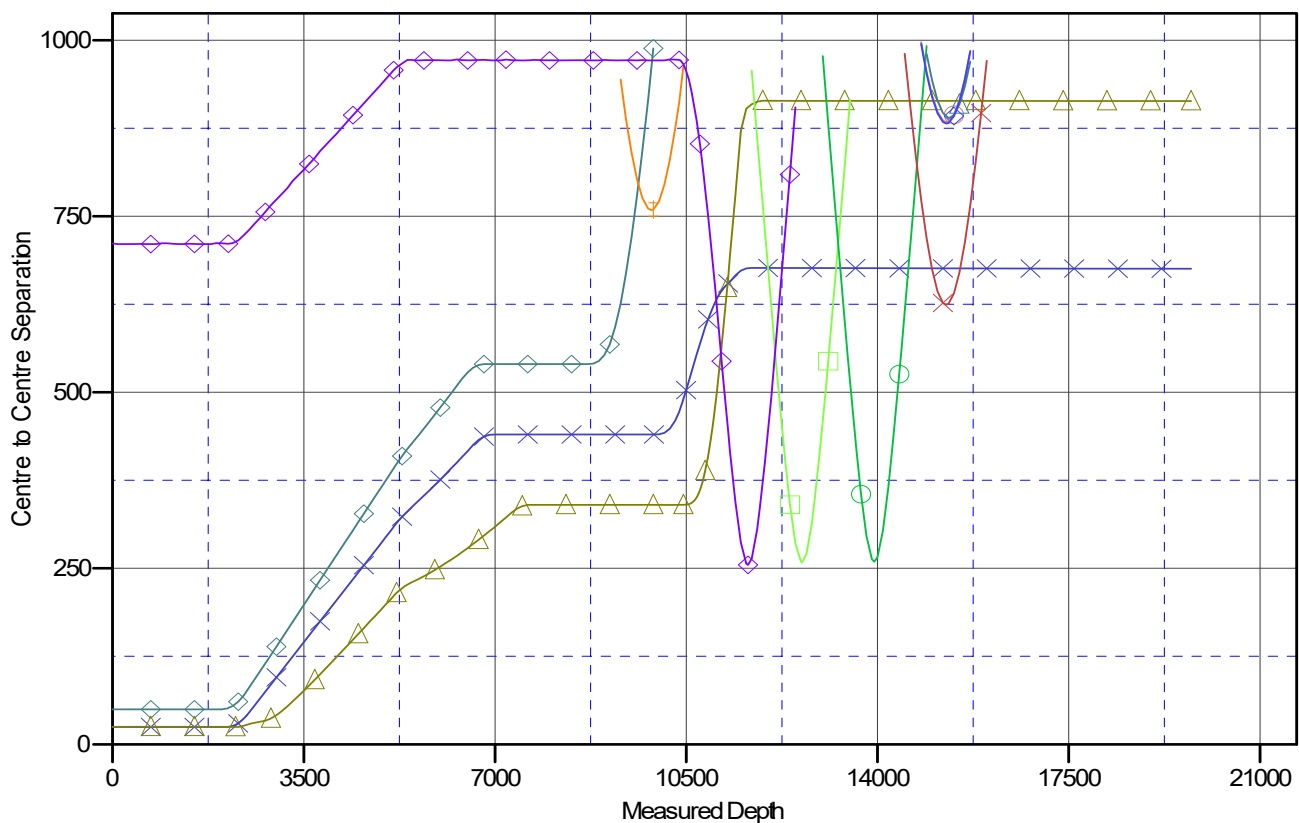


Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	Survey 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 @ 4020.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is -104.333334

Coordinates are relative to: Gold State Com 701H
 Coordinate System is US State Plane 1983, New Mexico Eastern Zone
 Grid Convergence at Surface is: 0.43°

Ladder Plot



LEGEND

Gold State Com 301H, OH, Plan 1 V0	State HQ #008 OH, OH V0	Maggie State #1 OH, Franklin Mountain Surveys V0
Gold State Com 801H, OH, Plan 1 V0	Tin Cup 36 State Com 2H, OH, OH V0	Maggie State #1 Halliburton Curve Lateral, Halliburton Curve Lateral V0
Gold State Com 801H, OH, Plan 1 V0	Sherry M State #001 (P&A), OH, OH V0	Maggie State #1 State Pason Lateral, State Pason Lateral V0
State HQ #007(P&A), OH, OH V0	Maggie State #1 State Pason Pilot, State Pason Pilot V0	

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 Gold State Com 701H
Project:	Lea Co., NM (NAD-83)	TVD Reference:	KB=30 @ 4020.00usft
Reference Site:	Gold Rush Pad	MD Reference:	KB=30 @ 4020.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Gold State Com 701H	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 @ 4020.00usft

Offset Depths are relative to Offset Datum

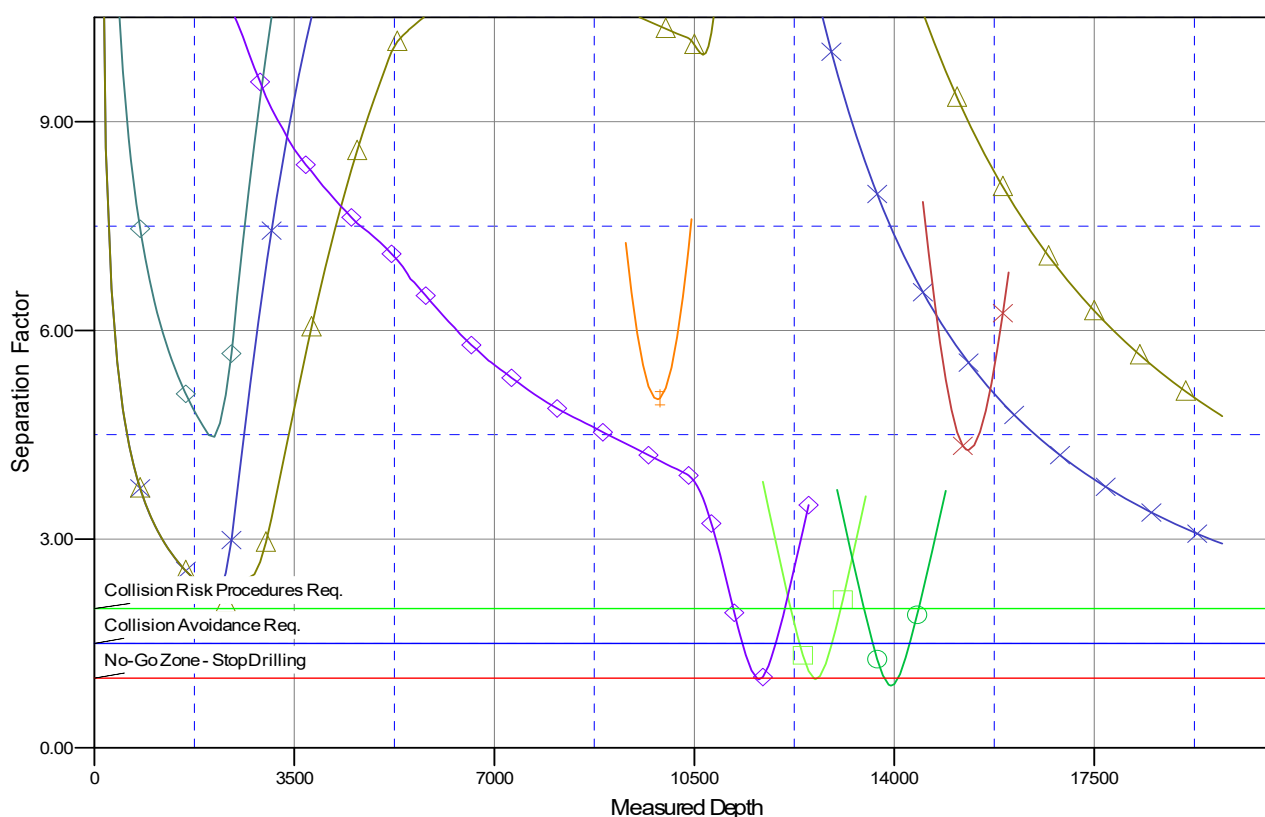
Central Meridian is -104.333334

Coordinates are relative to: Gold State Com 701H

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

Grid Convergence at Surface is: 0.43°

Separation Factor Plot



LEGEND

Gold State Com 301H, OH, Plan 1 V0	State HQ #008 OH, OH V0	Maggie State #1 OH, Franklin Mountain Surveys V0
Gold State Com 801H, OH, Plan 1 V0	Tin Cup 36 State Com 2H, OH, OH V0	Maggie State #1 Halliburton Curve Lateral, Halliburton Curve Lateral V0
Gold State Com 801H, OH, Plan 1 V0	Sherry M State #001 (P&A), OH, OH V0	Maggie State #1 State Pason Lateral, State Pason Lateral V0
State HQ #007 (P&A), OH, OH V0	Maggie State #1 State Pason Pilot, State Pason Pilot V0	

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

5/25/2023 1:37:44PM

Page 27

COMPASS 5000.17 Build

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: Gold Rush 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

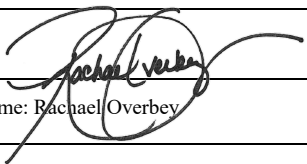
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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: 6/20/2023
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
Gold State Com 301H	TBD	D-35-18S-34E	1025 FNL 825 FWL	800 +/-	700 +/-	2500 +/-
Gold State Com 601H	TBD	D-35-18S-34E	1025 FNL 850 FWL	800 +/-	700 +/-	2500 +/-
Gold State Com 701H	TBD	D-35-18S-34E	1025 FNL 875 FWL	800 +/-	700 +/-	2500 +/-
Gold State Com 801H	TBD	D-35-18S-34E	1025 FNL 900 FWL	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
Gold State Com 301H	TBD	8/1/2023	10/16/2023	11/10/2023	11/20/2023	11/22/2023
Gold State Com 601H	TBD	8/3/2023	10/18/2023	11/12/2023	11/22/2023	11/24/2023
Gold State Com 701H	TBD	8/5/2023	10/20/2023	11/14/2023	11/24/2023	11/26/2023
Gold State Com 801H	TBD	8/7/2023	10/22/2023	11/16/2023	11/26/2023	11/28/2023



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.

