

Form 3160-3
(June 2015)FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☐ DRILL ☐ REENTER 1b. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Other 1c. Type of Completion: ☐ Hydraulic Fracturing ☐ Single Zone ☐ Multiple Zone		5. Lease Serial No. 6. If Indian, Allottee or Tribe Name 7. If Unit or CA Agreement, Name and No. 8. Lease Name and Well No. [332687]
2. Name of Operator [373910]		9. API Well No. 30-025-49860
3a. Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
13. State		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be requested by the BLM. |
|---|---|

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title		
Office		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
 Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NGMP Rec 03/08/2022

SL

(Continued on page 2)



Approval Date: 03/07/2022

KZ
03/14/2022

*(Instructions on page 2)

INSTRUCTIONS

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM I: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

ITEM 24: If the proposal will involve hydraulic fracturing operations, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts.

ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM connects this information to an evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Connection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Operator Remarks

Location of Well

0. SHL: TR A / 210 FNL / 1087 FEL / TWSP: 26S / RANGE: 35E / SECTION: 1 / LAT: 32.078996 / LONG: -103.316231 (TVD: 0 feet, MD: 0 feet)

PPP: TR P / 0 FNL / 780 FEL / TWSP: 26S / RANGE: 35E / SECTION: 12 / LAT: 32.054153 / LONG: -103.315227 (TVD: 12740 feet, MD: 21700 feet)

PPP: TR A / 0 FNL / 780 FEL / TWSP: 26S / RANGE: 35E / SECTION: 12 / LAT: 32.065043 / LONG: -103.315233 (TVD: 12740 feet, MD: 17700 feet)

PPP: TR A / 623 FNL / 781 FEL / TWSP: 26S / RANGE: 35E / SECTION: 1 / LAT: 32.077861 / LONG: -103.315241 (TVD: 12740 feet, MD: 13079 feet)

BHL: TR P / 150 FSL / 780 FEL / TWSP: 26S / RANGE: 35E / SECTION: 12 / LAT: 32.050938 / LONG: -103.315225 (TVD: 12740 feet, MD: 22874 feet)

BLM Point of Contact

Name: TENILLE ORTIZ

Title: Legal Instruments Examiner

Phone: (575) 234-2224

Email: tortiz@blm.gov

CONFIDENTIAL

Review and Appeal Rights

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.

CONFIDENTIAL

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-49860		² Pool Code 98228		³ Pool Name WC-025 G-09 S253536D; UPR WOLFCAMP	
⁴ Property Code 332687		⁵ Property Name PF FED COM			⁶ Well Number 805H
⁷ OGRID No. 373910		⁸ Operator Name FRANKLIN MOUNTAIN ENERGY LLC			⁹ Elevation 3031.8'

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
A	1	26S	35E		210	NORTH	1087	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

UL or lot no. P	Section 12	Township 26S	Range 35E	Lot Idn	Feet from the 150	North/South line SOUTH	Feet from the 780	East/West line EAST	County LEA
¹² Dedicated Acres 640		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.

16

- = SURFACE HOLE LOCATION
- ◇ = KICK OFF POINT/PPP/FTP
- = LAST TAKE POINT/
BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°04'44.38" (32.078996°)	
LONGITUDE = 103°18'58.43" (103.316231°)	
NAD 27 (SURFACE HOLE LOCATION)	
LATITUDE = 32°04'43.93" (32.078869°)	
LONGITUDE = 103°18'56.78" (103.315771°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 393960.90' E: 856363.63'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 393902.95' E: 815175.91'	

NAD 83 (KICK OFF POINT)	
LATITUDE = 32°04'45.97" (32.079436°)	
LONGITUDE = 103°18'54.87" (103.315241°)	
NAD 27 (KICK OFF POINT)	
LATITUDE = 32°04'45.51" (32.079309°)	
LONGITUDE = 103°18'53.21" (103.314781°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 394124.03' E: 856668.73'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 394066.06' E: 815481.02'	

NAD 83 (PPP #1/FTP)	
LATITUDE = 32°04'40.30" (32.077861°)	
LONGITUDE = 103°18'54.87" (103.315241°)	
NAD 27 (PPP #1/FTP)	
LATITUDE = 32°04'39.84" (32.077734°)	
LONGITUDE = 103°18'53.21" (103.314780°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 393551.09' E: 856674.42'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 393493.15' E: 815486.68'	

NAD 83 (PPP #2)	
LATITUDE = 32°03'54.15" (32.065043°)	
LONGITUDE = 103°18'54.84" (103.315233°)	
NAD 27 (PPP #2)	
LATITUDE = 32°03'53.70" (32.064916°)	
LONGITUDE = 103°18'53.18" (103.314773°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 388887.84' E: 856720.70'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 388830.02' E: 815532.79'	

NAD 83 (PPP #3)	
LATITUDE = 32°03'14.95" (32.054153°)	
LONGITUDE = 103°18'54.82" (103.315227°)	
NAD 27 (PPP #3)	
LATITUDE = 32°03'14.49" (32.054026°)	
LONGITUDE = 103°18'53.16" (103.314768°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 384926.09' E: 856760.03'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 384868.38' E: 815571.96'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°03'03.38" (32.050938°)	
LONGITUDE = 103°18'54.81" (103.315225°)	
NAD 27 (LTP/BHL)	
LATITUDE = 32°03'02.92" (32.050811°)	
LONGITUDE = 103°18'53.16" (103.314766°)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 383756.55' E: 856771.64'	
STATE PLANE NAD 27 (N.M. EAST)	
N: 383698.87' E: 815583.52'	

Detail "A"
No Scale

LINE TABLE

LINE	DIRECTION	LENGTH
L1	S89°42'17"W	2642.13'
L2	N62°06'30"E	346.03'
L3	S00°19'47"E	1169.77'

SCALE
DRAWN BY: C.C. 05-07-21
REV: 1 Z.T. 07-27-21
(ADD KOP, PPP'S & LEASE INFO)

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

¹⁷ OPERATOR CERTIFICATION <i>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.</i> Signature	8/2/2021 Date
Shelly Albrecht Printed Name	
salbrecht@fmellc.com E-mail Address	
¹⁸ SURVEYOR CERTIFICATION <i>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.</i> April 28, 2021 Date of Survey Signature and Seal of Professional Surveyor: 	
Certificate Number:	

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Franklin Mountain Energy, LLC **OGRID:** 373910 **Date:** 03/08/2022

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: Paul Foster CTB: (f#) fAPP2125739207 [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

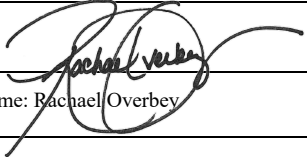
1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(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: 3/8/2022
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
PF Fed Com 101H	TBD	D-1-26S-35E	650 FNL 1268 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 102H	TBD	C-1-26S-35E	650 FNL 1343 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 501H	TBD	D-1-26S-35E	650 FNL 1293 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 502H	TBD	D-1-26S-35E	650 FNL 1318 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 801H	TBD	D-1-26S-35E	575 FNL 1281 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 802H	TBD	D-1-26S-35E	575 FNL 1306 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 803H	TBD	C-1-26S-35E	575 FNL 1331 FWL	800 +/-	700 +/-	600 +/-
PF Fed Com 103H	TBD	A-1-26S-35E	285 FNL 1125 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 104H	TBD	A-1-26S-35E	285 FNL 1050 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 503H	TBD	A-1-26S-35E	285 FNL 1100 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 504H	TBD	A-1-26S-35E	285 FNL 1075 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 804H	TBD	A-1-26S-35E	210 FNL 1112 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 805H	TBD 30-025-49860	A-1-26S-35E	210 FNL 1087 FEL	800 +/-	700 +/-	600 +/-
PF Fed Com 806H	TBD	A-1-26S-35E	210 FNL 1062 FEL	800 +/-	700 +/-	600 +/-

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
PF Fed Com 101H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 102H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 501H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 502H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 801H	TBD	10/20/2022	12/20/2022	1/5/2023	1/25/2023	1/27/2023
PF Fed Com 802H	TBD	10/20/2022	12/20/2022	1/5/2023	1/25/2023	1/27/2023
PF Fed Com 803H	TBD	10/20/2022	12/20/2022	1/5/2023	1/25/2023	1/27/2023
PF Fed Com 103H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 104H	TBD	9/28/2022	10/20/2022	12/20/2022	1/1/2023	1/3/2023
PF Fed Com 503H	TBD	TBD	TBD	TBD	TBD	TBD
PF Fed Com 504H	TBD	9/6/2022	9/27/2022	12/20/2022	1/1/2023	1/3/2023
PF Fed Com 804H	TBD	7/5/2022	9/5/2022	12/20/2022	1/1/2023	1/3/2023
PF Fed Com 805H	TBD 30-025-49860	7/5/2022	9/5/2022	12/20/2022	1/1/2023	1/3/2023
PF Fed Com 806H	TBD	7/5/2022	9/5/2022	12/20/2022	1/1/2023	1/3/2023



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 high pressure 2-phase separator to remove bulk gas, liquid from the 2-phase separator is sent to a 3-phase separator where additional gas is separated. Gas from the 2 Phase and 3 Phase separators are then sent through a gas scrubber before being route to treatment and/or sales. As production declines the 2-phase separator may be removed.
- 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.



PF Fed Com 805H

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)	3,031'	30'	30'	0	Sand/Gravels/unconsolidated
Rustler	2,162'	899'			Carbonates
Salado	1,669'	1,392'			Salt, Carbonate & Clastics
Base Salt	-270'	3,331'			Shaley Carbonate & Shale
Lamar	-1,935'	4,996'			Carbonate & Clastics
Bell Canyon	-2,033'	5,094'			Sandstone - oil/gas/water
Cherry Canyon	-2,859'	5,920'			Sandstone - oil/gas/water
Brushy Canyon	-4,268'	7,329'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-5,459'	8,520'			Shale/Carbonates - oil/gas
Avalon	-5,505'	8,566'			Shale/Carbonates - oil/gas
Chert Zone	-5,658'	8,719'			Carbonate/Chert
First Bone Spring Sand	-6,774'	9,835'			Sandstone - oil/gas/water
Second Bone Spring Carbonates	-6,854'	9,915'			Shale/Carbonates - oil/gas
Second Bone Spring Sand	-7,234'	10,295'			Sandstone - oil/gas/water
Third Bone Spring Carbonates	-7,853'	10,914'			Shale/Carbonates - oil/gas
Third Bone Spring Sand	-8,752'	11,813'			Sandstone - oil/gas/water
Wolfcamp	-8,789'	11,850'			Overpressure shale/sand- Oil/Gas
Wolfcamp A	-8,854'	11,915'			Overpressure Shale - Oil/Gas
Wolfcamp B	-9,233'	12,294'			Overpressure Shale - Oil/Gas
HZ Target	-9,402'	12,463'			Overpressure Shale - Oil/Gas
Wolfcamp C	-9,451'	12,512'			Overpressure Shale - Oil/Gas

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

Upper Permian Sands	0- 400'	Fresh Water
Delaware Sands	5,094'	Oil
Bone Spring	1,835'	Oil
Wolfcamp	11,850'	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 1,300' and circulating cement back to surface.

4. Casing Program:

All casing strings will be run new. Safety factors calculated assuming the well is vertical.

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 909	1300	1.18	1.67	4.99	5.32
Intermediate 9 5/8"	40	HCL-80	7430	4230	916	BTC 1042	5025	1.81	1.80	3.04	3.46
Intermediate 7 5/8"	29.7	HCP-110	8280	7150	827	Stinger 564	11800	1.12	1.29	1.84	1.25
Long string 5 1/2"	23	P-110	14520	14520	729	Eagle 606 TVD	22874 12740	1.32	1.36	1.16	0.97 1.54



7 5/8" casing will be set at 11,800' MD/11,787' TVD at 0° Inc. Stress calculations on 5 1/2" casing performed assuming 22,874' depth. Actual max vertical depth is 12,740'.

Cementing Program:

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

String Type	Hole Size	Casing Size	Setting Depth	Sacks	Type of cmt	Lead Yield ft ³ /sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Tail Yield ft ³ /sk	Water gal/sk	TOC	Excess
Surf	17.5	13.375	1300	795	Extenda Cem, 12.8 ppg Class C, 3lb/sk Kol-Seal	1.747	9.06	0	334	Tail, 14.8 ppg, Class C,	1.349	6.51	1000	100%
Int1	12.25	9.625	5025	1462	0.125pps Poly-E-Flake					1% CaCl ₂ , 0.125pps Celo-Flake				
					Lead, 12.8 ppg, Class C 5% Salt,	1.79	9.74	0	154	Tail, 14.8 ppg, Class C,	1.33	6.37	4725	100%
					0.125 pps Poly-E-Flake, 3lb/sk Kol-Seal					0.1% HR 800 .125 pps Poly-E-Flake				
Int2	8.75	7.625	11800	364	Lite Fill, 9.5 ppg, Class C 3lb/sk	2.13	5.97	4025	94	NeoCem 14.8 ppg, Class C	1.33	6.29	10800	50%
					Bridgemaker Gel, 5% Salt, 5pps LCM, 0.25pps Cello-Flake					0.25 pps Cello-Flake, 2% CaCl ₂				
Prod	6.75	5.5	22874	901	Tail, 14.5 ppg, Gas Migration Control	1.34	6.22	10800						20%

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 1/2" 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 second 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. The second intermediate casing will be tested to 2000 psi for 30 minutes prior to drillout.

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 – 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' – 11,800'	Brine	8.8-10.2	28-34	N/c
11,800' – 22,874' Lateral	Oil Base	10.0-12.0	58-68	3 - 6

The highest mud weight needed to balance formation is expected to be 11-12 ppg. In order to maintain hole stability, mud weights up to 13 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 12,740' TVD (deepest point of the well) is 195F with an estimated maximum bottom-hole pressure (BHP) at the same point of 8,612 psig (based on 13 ppg MW). Hydrogen sulfate 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.

Franklin Mountain Energy has conducted a review of offset operated wells to determine if an H2S contingency plan is required for the proposed well. 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 BLM 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, as per Onshore Order No. 2

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

After running the 2nd intermediate casing, and before drilling out, the wellhead, BOP, and related equipment will be tested to 10,000/250 psig.

The multi-bowl wellhead will be installed by vendor's representative(s). A copy of the installation instructions for the Cactus Multi-Bowl WH system has been sent to the BLM office in Carlsbad.

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 strings. After installation of the first intermediate string the pack-off and lower flanges will be pressure tested to 5000 psi. After installation of the second intermediate string, the pack-off and upper flange will be pressure tested to 10,000 psi.

Both the surface and intermediate casing strings will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1500 psi, whichever is greater.

14. Additional variance requests**A. Casing.**

In order to minimize potential environmental and technical hazards, this well is planned with two intermediate strings of casing.

1. Variance is requested to wave the centralizer requirements for the 7 5/8" casing due to the tight clearance with 9 5/8" string.
2. Variance is requested to wave/reduce the centralizer requirements for the 5 1/2" casing due to the tight clearance with 6 3/4" hole and 5 1/2" casing due to tight clearances.

Released to Imaging: 3/15/2022 1:08:33 PM

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: PF Fed Com
Well: Paul Foster Fed Com 805H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.54°
Magnetic North: 5.86°

Magnetic Field
Strength: 47427.4nT
Dip Angle: 59.80°
Date: 7/16/2021
Model: IGRF2020

PROJECT DETAILS: Lea County, NM (NAD83)

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



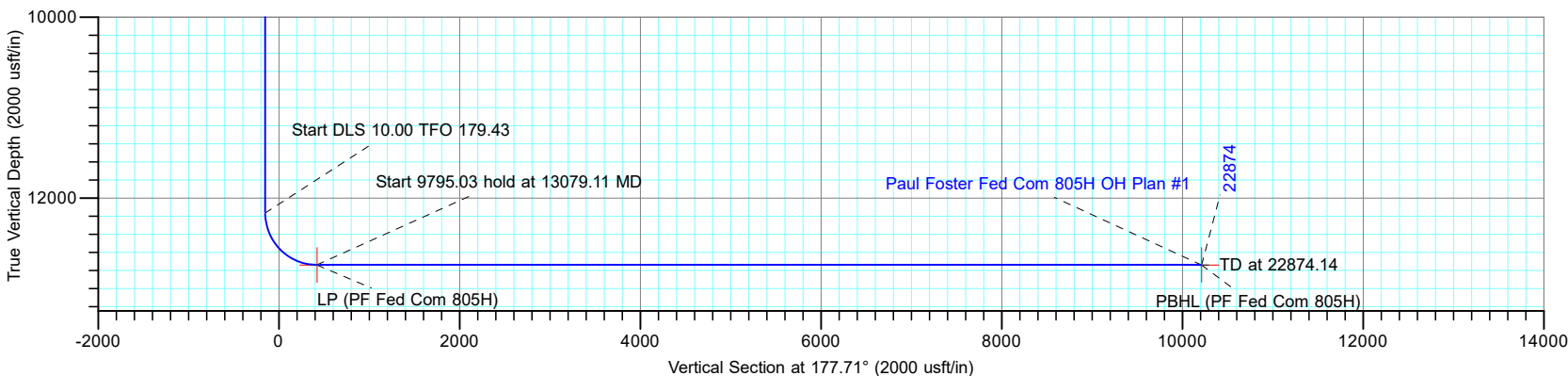
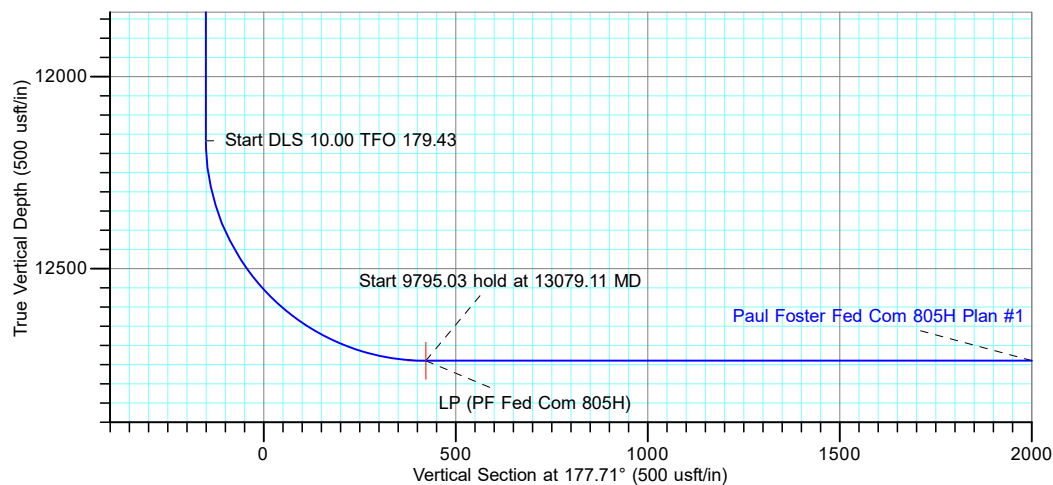
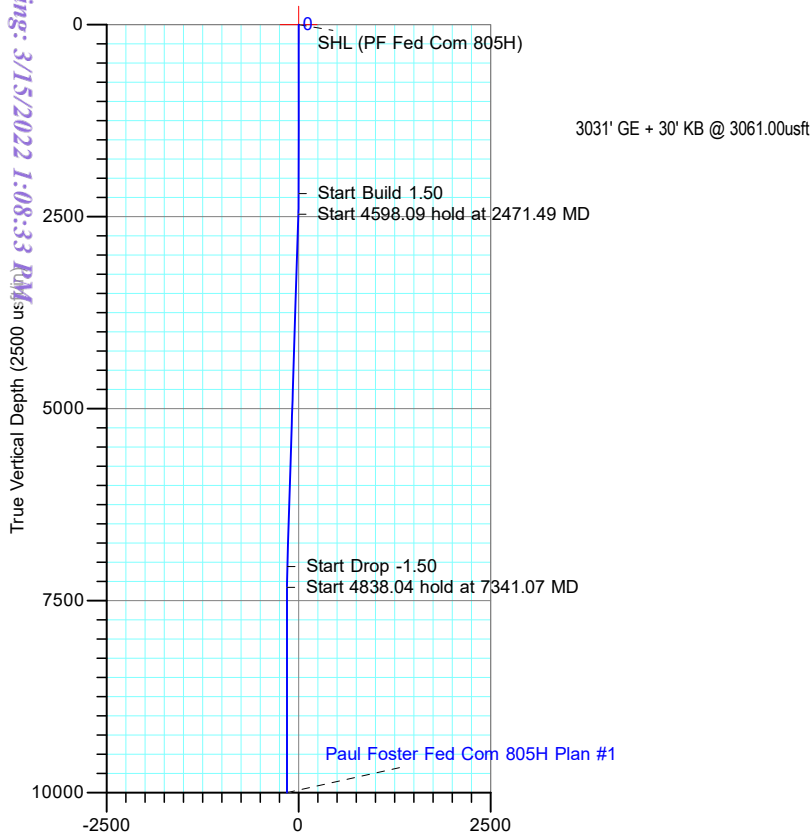
Received by OCD: 3/8/2022 5:36:01 PM

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	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
2471.49	4.07	61.88	2471.26	4.55	8.51	1.50	61.88	-4.20	Start 4598.09 hold at 2471.49 MD
7069.58	4.07	61.88	7057.74	158.45	296.49	0.00	0.00	-146.49	Start Drop -1.50
7341.07	0.00	0.00	7329.00	163.00	305.00	1.50	180.00	-150.69	Start 4838.04 hold at 7341.07 MD
12179.11	0.00	0.00	12167.04	163.00	305.00	0.00	0.00	-150.69	Start DLS 10.00 TFO 179.43
13079.11	90.00	179.43	12740.00	-409.93	310.69	10.00	179.43	422.01	Start 9795.03 hold at 13079.11 MD
22874.14	90.00	179.43	12740.00	-10204.48	407.90	0.00	0.00	10212.63	TD at 22874.14

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
LP (PF Fed Com 805H)	12740.00	-409.93	310.69	32.077861	-103.315241
PBHL (PF Fed Com 805H)	12740.00	-10204.48	407.90	32.050938	-103.315225
SHL (PF Fed Com 805H)	0.00	0.00	0.00	32.078996	-103.316231



TOTAL DIRECTIONAL SERVICES LLC
671 Academy Ct, Windsor, CO 80550
Phone: (970) 460-9402

Plan: Plan #1 (Paul Foster Fed Com 805H/OH)
Created By: Dustin Ault
Date: 0:25, July 17 2021
Approved: _____
Date: _____

Page 18 of 175

Released to Imaging: 3/15/2022 1:08:33 PM

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: PF Fed Com
Well: Paul Foster Fed Com 805H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.54°
Magnetic North: 5.86°
Magnetic Field
Strength: 47427.4nT
Dip Angle: 59.80°
Date: 7/16/2021
Model: IGRF2020



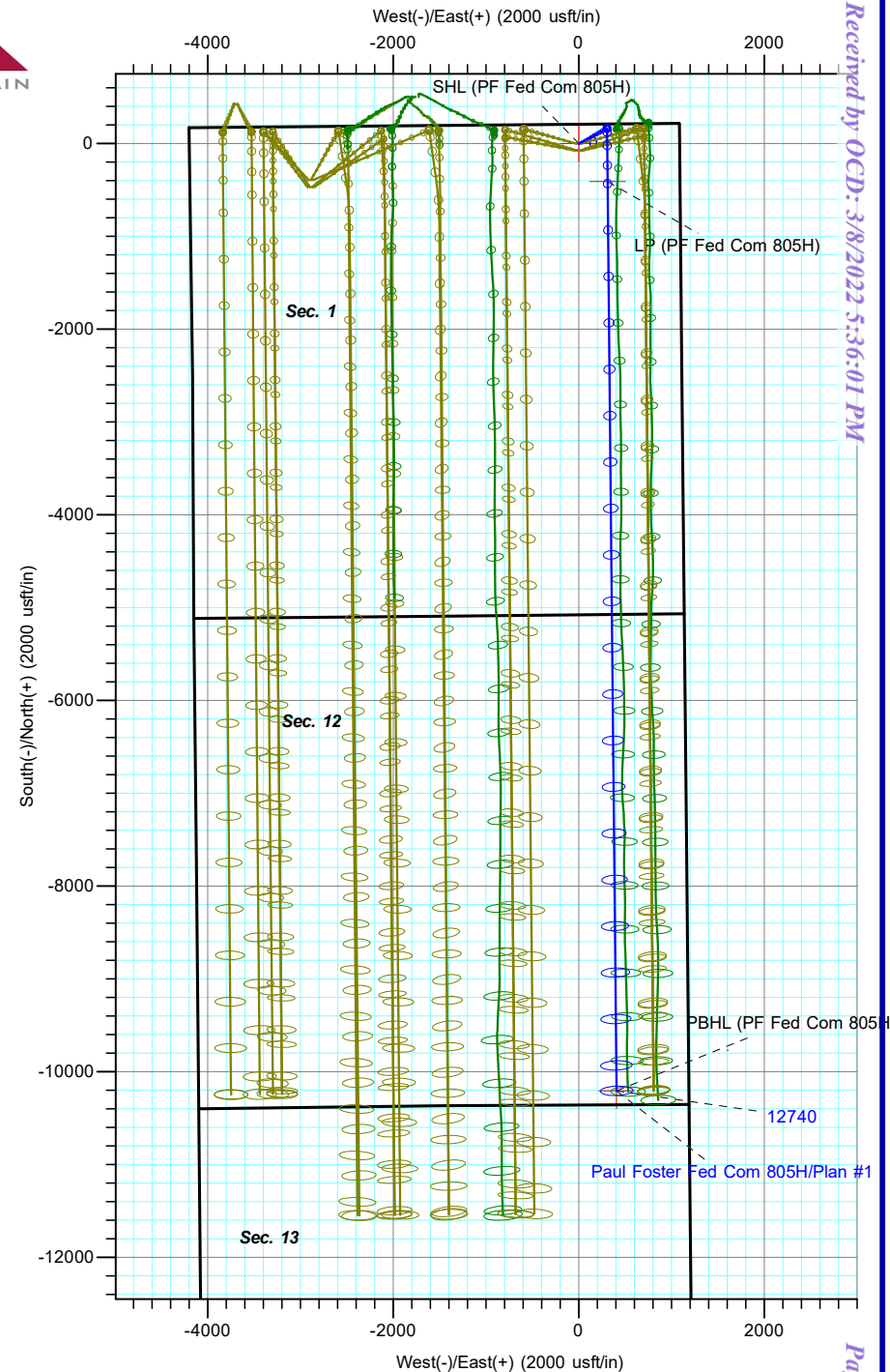
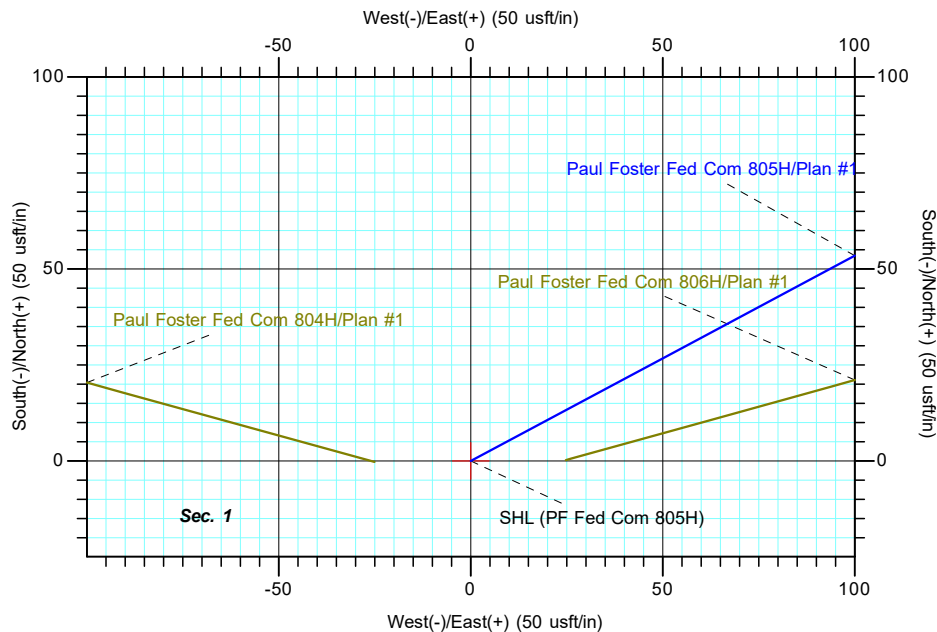
PROJECT DETAILS: Lea County, NM (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LP (PF Fed Com 805H)	12740.00	-409.93	310.69	393551.09	856674.42	32.077861	-103.315241
PBHL (PF Fed Com 805H)	12740.00	-10204.48	407.90	383756.55	856771.64	32.050938	-103.315225
SHL (PF Fed Com 805H)	0.00	0.00	0.00	393961.02	856363.73	32.078996	-103.316231

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	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
2471.49	4.07	61.88	2471.26	4.55	8.51	1.50	61.88	-4.20	Start 4598.09 hold at 2471.49 MD
7069.58	4.07	61.88	7057.74	158.45	296.49	0.00	0.00	-146.49	Start Drop -1.50
7341.07	0.00	0.00	7329.00	163.00	305.00	1.50	180.00	-150.69	Start 4838.04 hold at 7341.07 MD
12179.11	0.00	0.00	12167.04	163.00	305.00	0.00	0.00	-150.69	Start DLS 10.00 TFO 179.43
13079.11	90.00	179.43	12740.00	-409.93	310.69	10.00	179.43	422.01	Start 9795.03 hold at 13079.11 MD
22874.14	90.00	179.43	12740.00-10204.48	407.90	0.00	0.00	10212.63		TD at 22874.14



TOTAL DIRECTIONAL SERVICES LLC
671 Academy Ct, Windsor, CO 80550
Phone: (970) 460-9402

Plan: Plan #1 (Paul Foster Fed Com 805H/OH)
PF Fed Com
Created By: Dustin Ault
Date: 0:26, July 17 2021
Approved: _____
Date: _____

Received by OCD: 3/8/2022 5:36:01 PM

Page 19 of 175



Franklin Mountain Energy

Lea County, NM (NAD83)

PF Fed Com

Paul Foster Fed Com 805H

OH

Plan: Plan #1

Standard Planning Report

17 July, 2021





Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	PF Fed Com				
Site Position:		Northing:	393,493.72 usft	Latitude:	32.077787
From:	Lat/Long	Easting:	853,440.15 usft	Longitude:	-103.325683
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.54

Well	Paul Foster Fed Com 805H					
Well Position	+N/-S	467.31 usft	Northing:	393,961.02 usft	Latitude:	32.078996
	+E/-W	2,923.58 usft	Easting:	856,363.73 usft	Longitude:	-103.316231
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,031.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/16/2021	6.41	59.80	47,427.41136823

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	177.71

Plan Survey Tool Program	Date	7/17/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	22,874.14 Plan #1 (OH)	OWSG (Rev2) MWD	
			OWSG MWD - Standard	

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	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,471.49	4.07	61.88	2,471.26	4.55	8.51	1.50	1.50	0.00	61.88	
7,069.58	4.07	61.88	7,057.74	158.45	296.49	0.00	0.00	0.00	0.00	
7,341.07	0.00	0.00	7,329.00	163.00	305.00	1.50	-1.50	0.00	180.00	
12,179.11	0.00	0.00	12,167.04	163.00	305.00	0.00	0.00	0.00	0.00	
13,079.11	90.00	179.43	12,740.00	-409.93	310.69	10.00	10.00	19.94	179.43	
22,874.14	90.00	179.43	12,740.00	-10,204.48	407.90	0.00	0.00	0.00	0.00	PBHL (PF Fed Com 8



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	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
SHL (PF Fed Com 805H)									
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
1,900.00	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
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.50									
2,300.00	1.50	61.88	2,299.99	0.62	1.15	-0.57	1.50	1.50	0.00
2,400.00	3.00	61.88	2,399.91	2.47	4.62	-2.28	1.50	1.50	0.00
2,471.49	4.07	61.88	2,471.26	4.55	8.51	-4.20	1.50	1.50	0.00
Start 4598.09 hold at 2471.49 MD									
2,500.00	4.07	61.88	2,499.70	5.50	10.29	-5.08	0.00	0.00	0.00
2,600.00	4.07	61.88	2,599.45	8.85	16.55	-8.18	0.00	0.00	0.00
2,700.00	4.07	61.88	2,699.19	12.19	22.82	-11.27	0.00	0.00	0.00
2,800.00	4.07	61.88	2,798.94	15.54	29.08	-14.37	0.00	0.00	0.00
2,900.00	4.07	61.88	2,898.69	18.89	35.34	-17.46	0.00	0.00	0.00
3,000.00	4.07	61.88	2,998.44	22.24	41.61	-20.56	0.00	0.00	0.00
3,100.00	4.07	61.88	3,098.18	25.58	47.87	-23.65	0.00	0.00	0.00
3,200.00	4.07	61.88	3,197.93	28.93	54.13	-26.75	0.00	0.00	0.00
3,300.00	4.07	61.88	3,297.68	32.28	60.40	-29.84	0.00	0.00	0.00
3,400.00	4.07	61.88	3,397.43	35.63	66.66	-32.93	0.00	0.00	0.00
3,500.00	4.07	61.88	3,497.17	38.97	72.92	-36.03	0.00	0.00	0.00
3,600.00	4.07	61.88	3,596.92	42.32	79.19	-39.12	0.00	0.00	0.00
3,700.00	4.07	61.88	3,696.67	45.67	85.45	-42.22	0.00	0.00	0.00
3,800.00	4.07	61.88	3,796.42	49.01	91.71	-45.31	0.00	0.00	0.00
3,900.00	4.07	61.88	3,896.16	52.36	97.98	-48.41	0.00	0.00	0.00
4,000.00	4.07	61.88	3,995.91	55.71	104.24	-51.50	0.00	0.00	0.00
4,100.00	4.07	61.88	4,095.66	59.06	110.50	-54.59	0.00	0.00	0.00
4,200.00	4.07	61.88	4,195.41	62.40	116.77	-57.69	0.00	0.00	0.00
4,300.00	4.07	61.88	4,295.15	65.75	123.03	-60.78	0.00	0.00	0.00
4,400.00	4.07	61.88	4,394.90	69.10	129.29	-63.88	0.00	0.00	0.00
4,500.00	4.07	61.88	4,494.65	72.44	135.56	-66.97	0.00	0.00	0.00
4,600.00	4.07	61.88	4,594.40	75.79	141.82	-70.07	0.00	0.00	0.00
4,700.00	4.07	61.88	4,694.15	79.14	148.08	-73.16	0.00	0.00	0.00
4,800.00	4.07	61.88	4,793.89	82.49	154.35	-76.26	0.00	0.00	0.00



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.00	4.07	61.88	4,893.64	85.83	160.61	-79.35	0.00	0.00	0.00
5,000.00	4.07	61.88	4,993.39	89.18	166.87	-82.44	0.00	0.00	0.00
5,100.00	4.07	61.88	5,093.14	92.53	173.14	-85.54	0.00	0.00	0.00
5,200.00	4.07	61.88	5,192.88	95.88	179.40	-88.63	0.00	0.00	0.00
5,300.00	4.07	61.88	5,292.63	99.22	185.66	-91.73	0.00	0.00	0.00
5,400.00	4.07	61.88	5,392.38	102.57	191.92	-94.82	0.00	0.00	0.00
5,500.00	4.07	61.88	5,492.13	105.92	198.19	-97.92	0.00	0.00	0.00
5,600.00	4.07	61.88	5,591.87	109.26	204.45	-101.01	0.00	0.00	0.00
5,700.00	4.07	61.88	5,691.62	112.61	210.71	-104.11	0.00	0.00	0.00
5,800.00	4.07	61.88	5,791.37	115.96	216.98	-107.20	0.00	0.00	0.00
5,900.00	4.07	61.88	5,891.12	119.31	223.24	-110.29	0.00	0.00	0.00
6,000.00	4.07	61.88	5,990.86	122.65	229.50	-113.39	0.00	0.00	0.00
6,100.00	4.07	61.88	6,090.61	126.00	235.77	-116.48	0.00	0.00	0.00
6,200.00	4.07	61.88	6,190.36	129.35	242.03	-119.58	0.00	0.00	0.00
6,300.00	4.07	61.88	6,290.11	132.69	248.29	-122.67	0.00	0.00	0.00
6,400.00	4.07	61.88	6,389.85	136.04	254.56	-125.77	0.00	0.00	0.00
6,500.00	4.07	61.88	6,489.60	139.39	260.82	-128.86	0.00	0.00	0.00
6,600.00	4.07	61.88	6,589.35	142.74	267.08	-131.96	0.00	0.00	0.00
6,700.00	4.07	61.88	6,689.10	146.08	273.35	-135.05	0.00	0.00	0.00
6,800.00	4.07	61.88	6,788.84	149.43	279.61	-138.14	0.00	0.00	0.00
6,900.00	4.07	61.88	6,888.59	152.78	285.87	-141.24	0.00	0.00	0.00
7,000.00	4.07	61.88	6,988.34	156.13	292.14	-144.33	0.00	0.00	0.00
7,069.58	4.07	61.88	7,057.74	158.45	296.49	-146.49	0.00	0.00	0.00
Start Drop -1.50									
7,100.00	3.62	61.88	7,088.09	159.42	298.29	-147.37	1.50	-1.50	0.00
7,200.00	2.12	61.88	7,187.97	161.77	302.70	-149.55	1.50	-1.50	0.00
7,300.00	0.62	61.88	7,287.93	162.90	304.81	-150.59	1.50	-1.50	0.00
7,341.07	0.00	0.00	7,329.00	163.00	305.00	-150.69	1.50	-1.50	0.00
Start 4838.04 hold at 7341.07 MD									
7,400.00	0.00	0.00	7,387.93	163.00	305.00	-150.69	0.00	0.00	0.00
7,500.00	0.00	0.00	7,487.93	163.00	305.00	-150.69	0.00	0.00	0.00
7,600.00	0.00	0.00	7,587.93	163.00	305.00	-150.69	0.00	0.00	0.00
7,700.00	0.00	0.00	7,687.93	163.00	305.00	-150.69	0.00	0.00	0.00
7,800.00	0.00	0.00	7,787.93	163.00	305.00	-150.69	0.00	0.00	0.00
7,900.00	0.00	0.00	7,887.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,000.00	0.00	0.00	7,987.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,100.00	0.00	0.00	8,087.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,200.00	0.00	0.00	8,187.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,300.00	0.00	0.00	8,287.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,400.00	0.00	0.00	8,387.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,500.00	0.00	0.00	8,487.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,600.00	0.00	0.00	8,587.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,700.00	0.00	0.00	8,687.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,800.00	0.00	0.00	8,787.93	163.00	305.00	-150.69	0.00	0.00	0.00
8,900.00	0.00	0.00	8,887.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,000.00	0.00	0.00	8,987.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,100.00	0.00	0.00	9,087.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,200.00	0.00	0.00	9,187.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,300.00	0.00	0.00	9,287.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,400.00	0.00	0.00	9,387.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,500.00	0.00	0.00	9,487.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,600.00	0.00	0.00	9,587.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,700.00	0.00	0.00	9,687.93	163.00	305.00	-150.69	0.00	0.00	0.00
9,800.00	0.00	0.00	9,787.93	163.00	305.00	-150.69	0.00	0.00	0.00



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	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)
9,900.00	0.00	0.00	9,887.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,000.00	0.00	0.00	9,987.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,100.00	0.00	0.00	10,087.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,200.00	0.00	0.00	10,187.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,300.00	0.00	0.00	10,287.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,400.00	0.00	0.00	10,387.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,500.00	0.00	0.00	10,487.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,600.00	0.00	0.00	10,587.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,700.00	0.00	0.00	10,687.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,800.00	0.00	0.00	10,787.93	163.00	305.00	-150.69	0.00	0.00	0.00
10,900.00	0.00	0.00	10,887.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,000.00	0.00	0.00	10,987.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,100.00	0.00	0.00	11,087.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,200.00	0.00	0.00	11,187.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,300.00	0.00	0.00	11,287.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,400.00	0.00	0.00	11,387.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,500.00	0.00	0.00	11,487.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,600.00	0.00	0.00	11,587.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,700.00	0.00	0.00	11,687.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,800.00	0.00	0.00	11,787.93	163.00	305.00	-150.69	0.00	0.00	0.00
11,900.00	0.00	0.00	11,887.93	163.00	305.00	-150.69	0.00	0.00	0.00
12,000.00	0.00	0.00	11,987.93	163.00	305.00	-150.69	0.00	0.00	0.00
12,100.00	0.00	0.00	12,087.93	163.00	305.00	-150.69	0.00	0.00	0.00
12,179.11	0.00	0.00	12,167.04	163.00	305.00	-150.69	0.00	0.00	0.00
Start DLS 10.00 TFO 179.43									
12,200.00	2.09	179.43	12,187.93	162.62	305.00	-150.31	10.00	10.00	0.00
12,250.00	7.09	179.43	12,237.75	158.62	305.04	-146.31	10.00	10.00	0.00
12,300.00	12.09	179.43	12,287.04	150.29	305.13	-137.99	10.00	10.00	0.00
12,350.00	17.09	179.43	12,335.41	137.70	305.25	-125.40	10.00	10.00	0.00
12,400.00	22.09	179.43	12,382.50	120.95	305.42	-108.65	10.00	10.00	0.00
12,450.00	27.09	179.43	12,427.95	100.15	305.62	-87.86	10.00	10.00	0.00
12,500.00	32.09	179.43	12,471.42	75.47	305.87	-63.19	10.00	10.00	0.00
12,550.00	37.09	179.43	12,512.57	47.09	306.15	-34.83	10.00	10.00	0.00
12,600.00	42.09	179.43	12,551.09	15.24	306.47	-2.99	10.00	10.00	0.00
12,650.00	47.09	179.43	12,586.68	-19.85	306.81	32.09	10.00	10.00	0.00
12,700.00	52.09	179.43	12,619.09	-57.90	307.19	70.13	10.00	10.00	0.00
12,750.00	57.09	179.43	12,648.05	-98.64	307.60	110.85	10.00	10.00	0.00
12,800.00	62.09	179.43	12,673.35	-141.74	308.02	153.93	10.00	10.00	0.00
12,850.00	67.09	179.43	12,694.80	-186.89	308.47	199.06	10.00	10.00	0.00
12,900.00	72.09	179.43	12,712.23	-233.73	308.94	245.89	10.00	10.00	0.00
12,950.00	77.09	179.43	12,725.51	-281.92	309.42	294.05	10.00	10.00	0.00
13,000.00	82.09	179.43	12,734.55	-331.08	309.90	343.19	10.00	10.00	0.00
13,050.00	87.09	179.43	12,739.26	-380.84	310.40	392.93	10.00	10.00	0.00
13,079.11	90.00	179.43	12,740.00	-409.93	310.69	422.01	10.00	10.00	0.00
Start 9795.03 hold at 13079.11 MD - LP (PF Fed Com 805H)									
13,100.00	90.00	179.43	12,740.00	-430.82	310.89	442.90	0.00	0.00	0.00
13,200.00	90.00	179.43	12,740.00	-530.82	311.89	542.85	0.00	0.00	0.00
13,300.00	90.00	179.43	12,740.00	-630.81	312.88	642.81	0.00	0.00	0.00
13,400.00	90.00	179.43	12,740.00	-730.81	313.87	742.76	0.00	0.00	0.00
13,500.00	90.00	179.43	12,740.00	-830.80	314.86	842.72	0.00	0.00	0.00
13,600.00	90.00	179.43	12,740.00	-930.80	315.86	942.67	0.00	0.00	0.00
13,700.00	90.00	179.43	12,740.00	-1,030.79	316.85	1,042.63	0.00	0.00	0.00
13,800.00	90.00	179.43	12,740.00	-1,130.79	317.84	1,142.58	0.00	0.00	0.00
13,900.00	90.00	179.43	12,740.00	-1,230.78	318.83	1,242.54	0.00	0.00	0.00



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	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)
14,000.00	90.00	179.43	12,740.00	-1,330.78	319.83	1,342.49	0.00	0.00	0.00
14,100.00	90.00	179.43	12,740.00	-1,430.77	320.82	1,442.45	0.00	0.00	0.00
14,200.00	90.00	179.43	12,740.00	-1,530.77	321.81	1,542.40	0.00	0.00	0.00
14,300.00	90.00	179.43	12,740.00	-1,630.76	322.80	1,642.36	0.00	0.00	0.00
14,400.00	90.00	179.43	12,740.00	-1,730.76	323.80	1,742.31	0.00	0.00	0.00
14,500.00	90.00	179.43	12,740.00	-1,830.75	324.79	1,842.26	0.00	0.00	0.00
14,600.00	90.00	179.43	12,740.00	-1,930.75	325.78	1,942.22	0.00	0.00	0.00
14,700.00	90.00	179.43	12,740.00	-2,030.74	326.77	2,042.17	0.00	0.00	0.00
14,800.00	90.00	179.43	12,740.00	-2,130.74	327.77	2,142.13	0.00	0.00	0.00
14,900.00	90.00	179.43	12,740.00	-2,230.73	328.76	2,242.08	0.00	0.00	0.00
15,000.00	90.00	179.43	12,740.00	-2,330.73	329.75	2,342.04	0.00	0.00	0.00
15,100.00	90.00	179.43	12,740.00	-2,430.72	330.74	2,441.99	0.00	0.00	0.00
15,200.00	90.00	179.43	12,740.00	-2,530.72	331.74	2,541.95	0.00	0.00	0.00
15,300.00	90.00	179.43	12,740.00	-2,630.71	332.73	2,641.90	0.00	0.00	0.00
15,400.00	90.00	179.43	12,740.00	-2,730.71	333.72	2,741.86	0.00	0.00	0.00
15,500.00	90.00	179.43	12,740.00	-2,830.70	334.71	2,841.81	0.00	0.00	0.00
15,600.00	90.00	179.43	12,740.00	-2,930.70	335.71	2,941.77	0.00	0.00	0.00
15,700.00	90.00	179.43	12,740.00	-3,030.69	336.70	3,041.72	0.00	0.00	0.00
15,800.00	90.00	179.43	12,740.00	-3,130.69	337.69	3,141.68	0.00	0.00	0.00
15,900.00	90.00	179.43	12,740.00	-3,230.68	338.68	3,241.63	0.00	0.00	0.00
16,000.00	90.00	179.43	12,740.00	-3,330.68	339.68	3,341.59	0.00	0.00	0.00
16,100.00	90.00	179.43	12,740.00	-3,430.67	340.67	3,441.54	0.00	0.00	0.00
16,200.00	90.00	179.43	12,740.00	-3,530.67	341.66	3,541.50	0.00	0.00	0.00
16,300.00	90.00	179.43	12,740.00	-3,630.66	342.65	3,641.45	0.00	0.00	0.00
16,400.00	90.00	179.43	12,740.00	-3,730.66	343.65	3,741.41	0.00	0.00	0.00
16,500.00	90.00	179.43	12,740.00	-3,830.65	344.64	3,841.36	0.00	0.00	0.00
16,600.00	90.00	179.43	12,740.00	-3,930.65	345.63	3,941.32	0.00	0.00	0.00
16,700.00	90.00	179.43	12,740.00	-4,030.65	346.62	4,041.27	0.00	0.00	0.00
16,800.00	90.00	179.43	12,740.00	-4,130.64	347.62	4,141.23	0.00	0.00	0.00
16,900.00	90.00	179.43	12,740.00	-4,230.64	348.61	4,241.18	0.00	0.00	0.00
17,000.00	90.00	179.43	12,740.00	-4,330.63	349.60	4,341.14	0.00	0.00	0.00
17,100.00	90.00	179.43	12,740.00	-4,430.63	350.59	4,441.09	0.00	0.00	0.00
17,200.00	90.00	179.43	12,740.00	-4,530.62	351.59	4,541.05	0.00	0.00	0.00
17,300.00	90.00	179.43	12,740.00	-4,630.62	352.58	4,641.00	0.00	0.00	0.00
17,400.00	90.00	179.43	12,740.00	-4,730.61	353.57	4,740.96	0.00	0.00	0.00
17,500.00	90.00	179.43	12,740.00	-4,830.61	354.56	4,840.91	0.00	0.00	0.00
17,600.00	90.00	179.43	12,740.00	-4,930.60	355.56	4,940.87	0.00	0.00	0.00
17,700.00	90.00	179.43	12,740.00	-5,030.60	356.55	5,040.82	0.00	0.00	0.00
17,800.00	90.00	179.43	12,740.00	-5,130.59	357.54	5,140.78	0.00	0.00	0.00
17,900.00	90.00	179.43	12,740.00	-5,230.59	358.53	5,240.73	0.00	0.00	0.00
18,000.00	90.00	179.43	12,740.00	-5,330.58	359.53	5,340.69	0.00	0.00	0.00
18,100.00	90.00	179.43	12,740.00	-5,430.58	360.52	5,440.64	0.00	0.00	0.00
18,200.00	90.00	179.43	12,740.00	-5,530.57	361.51	5,540.60	0.00	0.00	0.00
18,300.00	90.00	179.43	12,740.00	-5,630.57	362.50	5,640.55	0.00	0.00	0.00
18,400.00	90.00	179.43	12,740.00	-5,730.56	363.50	5,740.51	0.00	0.00	0.00
18,500.00	90.00	179.43	12,740.00	-5,830.56	364.49	5,840.46	0.00	0.00	0.00
18,600.00	90.00	179.43	12,740.00	-5,930.55	365.48	5,940.42	0.00	0.00	0.00
18,700.00	90.00	179.43	12,740.00	-6,030.55	366.47	6,040.37	0.00	0.00	0.00
18,800.00	90.00	179.43	12,740.00	-6,130.54	367.47	6,140.33	0.00	0.00	0.00
18,900.00	90.00	179.43	12,740.00	-6,230.54	368.46	6,240.28	0.00	0.00	0.00
19,000.00	90.00	179.43	12,740.00	-6,330.53	369.45	6,340.24	0.00	0.00	0.00
19,100.00	90.00	179.43	12,740.00	-6,430.53	370.44	6,440.19	0.00	0.00	0.00
19,200.00	90.00	179.43	12,740.00	-6,530.52	371.44	6,540.15	0.00	0.00	0.00
19,300.00	90.00	179.43	12,740.00	-6,630.52	372.43	6,640.10	0.00	0.00	0.00



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	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)	
19,400.00	90.00	179.43	12,740.00	-6,730.51	373.42	6,740.06	0.00	0.00	0.00	
19,500.00	90.00	179.43	12,740.00	-6,830.51	374.41	6,840.01	0.00	0.00	0.00	
19,600.00	90.00	179.43	12,740.00	-6,930.50	375.41	6,939.97	0.00	0.00	0.00	
19,700.00	90.00	179.43	12,740.00	-7,030.50	376.40	7,039.92	0.00	0.00	0.00	
19,800.00	90.00	179.43	12,740.00	-7,130.49	377.39	7,139.88	0.00	0.00	0.00	
19,900.00	90.00	179.43	12,740.00	-7,230.49	378.38	7,239.83	0.00	0.00	0.00	
20,000.00	90.00	179.43	12,740.00	-7,330.48	379.38	7,339.79	0.00	0.00	0.00	
20,100.00	90.00	179.43	12,740.00	-7,430.48	380.37	7,439.74	0.00	0.00	0.00	
20,200.00	90.00	179.43	12,740.00	-7,530.47	381.36	7,539.70	0.00	0.00	0.00	
20,300.00	90.00	179.43	12,740.00	-7,630.47	382.35	7,639.65	0.00	0.00	0.00	
20,400.00	90.00	179.43	12,740.00	-7,730.46	383.35	7,739.61	0.00	0.00	0.00	
20,500.00	90.00	179.43	12,740.00	-7,830.46	384.34	7,839.56	0.00	0.00	0.00	
20,600.00	90.00	179.43	12,740.00	-7,930.45	385.33	7,939.52	0.00	0.00	0.00	
20,700.00	90.00	179.43	12,740.00	-8,030.45	386.32	8,039.47	0.00	0.00	0.00	
20,800.00	90.00	179.43	12,740.00	-8,130.44	387.32	8,139.43	0.00	0.00	0.00	
20,900.00	90.00	179.43	12,740.00	-8,230.44	388.31	8,239.38	0.00	0.00	0.00	
21,000.00	90.00	179.43	12,740.00	-8,330.43	389.30	8,339.34	0.00	0.00	0.00	
21,100.00	90.00	179.43	12,740.00	-8,430.43	390.29	8,439.29	0.00	0.00	0.00	
21,200.00	90.00	179.43	12,740.00	-8,530.42	391.29	8,539.24	0.00	0.00	0.00	
21,300.00	90.00	179.43	12,740.00	-8,630.42	392.28	8,639.20	0.00	0.00	0.00	
21,400.00	90.00	179.43	12,740.00	-8,730.41	393.27	8,739.15	0.00	0.00	0.00	
21,500.00	90.00	179.43	12,740.00	-8,830.41	394.26	8,839.11	0.00	0.00	0.00	
21,600.00	90.00	179.43	12,740.00	-8,930.40	395.26	8,939.06	0.00	0.00	0.00	
21,700.00	90.00	179.43	12,740.00	-9,030.40	396.25	9,039.02	0.00	0.00	0.00	
21,800.00	90.00	179.43	12,740.00	-9,130.39	397.24	9,138.97	0.00	0.00	0.00	
21,900.00	90.00	179.43	12,740.00	-9,230.39	398.23	9,238.93	0.00	0.00	0.00	
22,000.00	90.00	179.43	12,740.00	-9,330.38	399.23	9,338.88	0.00	0.00	0.00	
22,100.00	90.00	179.43	12,740.00	-9,430.38	400.22	9,438.84	0.00	0.00	0.00	
22,200.00	90.00	179.43	12,740.00	-9,530.37	401.21	9,538.79	0.00	0.00	0.00	
22,300.00	90.00	179.43	12,740.00	-9,630.37	402.20	9,638.75	0.00	0.00	0.00	
22,400.00	90.00	179.43	12,740.00	-9,730.36	403.20	9,738.70	0.00	0.00	0.00	
22,500.00	90.00	179.43	12,740.00	-9,830.36	404.19	9,838.66	0.00	0.00	0.00	
22,600.00	90.00	179.43	12,740.00	-9,930.35	405.18	9,938.61	0.00	0.00	0.00	
22,700.00	90.00	179.43	12,740.00	-10,030.35	406.17	10,038.57	0.00	0.00	0.00	
22,800.00	90.00	179.43	12,740.00	-10,130.34	407.17	10,138.52	0.00	0.00	0.00	
22,874.14	90.00	179.43	12,740.00	-10,204.48	407.90	10,212.63	0.00	0.00	0.00	
TD at 22874.14 - PBHL (PF Fed Com 805H)										



Total Directional Services

Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Company:	Franklin Mountain Energy	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Project:	Lea County, NM (NAD83)	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site:	PF Fed Com	North Reference:	Grid
Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (PF Fed Com 805H - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	393,961.02	856,363.73	32.078996	-103.316231
LP (PF Fed Com 805H) - plan hits target center - Point	0.00	0.00	12,740.00	-409.93	310.69	393,551.09	856,674.42	32.077861	-103.315241
PBHL (PF Fed Com 805 - plan hits target center - Point	0.00	0.00	12,740.00	-10,204.48	407.90	383,756.54	856,771.63	32.050938	-103.315225

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,200.00	2,200.00	0.00	0.00	Start Build 1.50
2,471.49	2,471.26	4.55	8.51	Start 4598.09 hold at 2471.49 MD
7,069.58	7,057.74	158.45	296.49	Start Drop -1.50
7,341.07	7,329.00	163.00	305.00	Start 4838.04 hold at 7341.07 MD
12,179.11	12,167.04	163.00	305.00	Start DLS 10.00 TFO 179.43
13,079.11	12,740.00	-409.93	310.69	Start 9795.03 hold at 13079.11 MD
22,874.14	12,740.00	-10,204.48	407.90	TD at 22874.14



Franklin Mountain Energy

Lea County, NM (NAD83)
PF Fed Com
Paul Foster Fed Com 805H

OH
Plan #1

Anticollision Report

17 July, 2021





Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
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
Depth Range:	Unlimited
Results Limited by:	Maximum ellipse separation of 1,000.00 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Combined Separation
Casing Method:	Not applied

Survey Tool Program	Date	7/17/2021
From (usft)	To (usft)	Survey (Wellbore)
0.00	22,874.14	Plan #1 (OH)
		Tool Name
		OWSG (Rev2) MWD
		Description
		OWSG MWD - Standard

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						
Bus Driver/Kaston Fed Com						
Bus Driver Fed Com 602H - OH - OH	0.00	26.22	1,864.07			
Bus Driver Fed Com 602H - OH - OH	1,400.00	1,425.00	1,867.23	1,860.54	279.018	ES
Bus Driver Fed Com 602H - OH - OH	17,800.00	16,643.00	2,491.34	2,361.54	19.193	SF
Bus Driver Fed Com 602H - OH - Plan #6	0.00	26.22	1,864.07			
Bus Driver Fed Com 602H - OH - Plan #6	1,400.00	1,425.00	1,867.23	1,860.54	279.018	ES
Bus Driver Fed Com 602H - OH - Plan #6	22,874.14	22,034.07	2,410.58	2,164.11	9.780	SF
Bus Driver Fed Com 702H - OH - OH	0.00	16.00	1,897.60			
Bus Driver Fed Com 702H - OH - OH	12,179.11	11,985.00	2,825.34	2,767.68	48.998	SF
Bus Driver Fed Com 702H - OH - Plan #5	0.00	16.00	1,897.60			
Bus Driver Fed Com 702H - OH - Plan #5	22,874.14	22,235.65	2,865.19	2,618.08	11.595	SF
Kaston Fed Com 603H - OH - OH	8,392.71	8,490.39	1,207.68	1,167.51	30.067	CC
Kaston Fed Com 603H - OH - OH	11,100.00	11,193.72	1,215.60	1,162.50	22.892	ES
Kaston Fed Com 603H - OH - OH	22,874.14	22,046.56	1,425.82	1,200.30	6.323	SF
Kaston Fed Com 703H - OH - OH	6,184.91	6,338.52	1,751.92	1,722.86	60.291	CC
Kaston Fed Com 703H - OH - OH	6,200.00	6,350.05	1,751.94	1,722.81	60.146	ES
Kaston Fed Com 703H - OH - OH	11,900.00	11,873.34	1,814.81	1,758.21	32.065	SF
Kaston Fed Com 703H - OH - Plan #9	6,185.06	6,338.63	1,751.82	1,722.70	60.158	CC
Kaston Fed Com 703H - OH - Plan #9	22,874.14	22,190.45	1,954.37	1,718.34	8.280	ES, SF
Judge Baylor Fed Com						
Judge Baylor Fed Com 601H - OH - Plan #5	2,200.00	2,239.00	3,739.38	3,728.45	342.346	CC, ES
Judge Baylor Fed Com 601H - OH - Plan #5	22,874.14	22,101.01	4,216.03	3,967.68	16.976	SF
Judge Baylor Fed Com 701H - OH - Plan #5	2,200.00	2,239.00	3,704.65	3,693.73	339.167	CC
Judge Baylor Fed Com 701H - OH - Plan #5	22,874.14	22,390.61	3,868.38	3,618.18	15.461	ES, SF
LHS Wildcat Fed Com						
LHS Wildcat Fed Com 604H - OH - OH	7,337.34	7,338.88	86.76	52.39	2.525	CC
LHS Wildcat Fed Com 604H - OH - OH	7,400.00	7,401.33	86.89	52.21	2.506	ES
LHS Wildcat Fed Com 604H - OH - OH	9,600.00	9,601.11	110.29	65.17	2.444	SF
LHS Wildcat Fed Com 705H - OH - OH	7,333.95	7,333.63	426.85	392.78	12.528	CC
LHS Wildcat Fed Com 705H - OH - OH	11,115.82	11,117.42	444.59	391.91	8.440	ES
LHS Wildcat Fed Com 705H - OH - OH	22,800.00	22,011.86	690.78	518.79	4.016	SF

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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						
PF Fed Com						
Paul Foster Fed Com 103H - OH - Plan #1	2,000.00	2,000.00	83.80	73.99	8.542	CC
Paul Foster Fed Com 103H - OH - Plan #1	2,100.00	2,099.42	84.14	73.83	8.161	ES
Paul Foster Fed Com 103H - OH - Plan #1	2,300.00	2,297.63	88.67	77.38	7.850	SF
Paul Foster Fed Com 104H - OH - Plan #1	2,100.00	2,100.00	83.80	73.48	8.122	CC
Paul Foster Fed Com 104H - OH - Plan #1	2,200.00	2,199.47	84.11	73.29	7.776	ES
Paul Foster Fed Com 104H - OH - Plan #1	2,600.00	2,596.44	92.63	79.85	7.246	SF
Paul Foster Fed Com 503H - OH - Plan #1	2,218.86	2,219.12	75.84	64.92	6.949	CC, ES
Paul Foster Fed Com 503H - OH - Plan #1	2,400.00	2,399.74	79.33	67.52	6.717	SF
Paul Foster Fed Com 504H - OH - Plan #1	2,200.00	2,200.00	75.96	65.14	7.018	CC
Paul Foster Fed Com 504H - OH - Plan #1	2,300.00	2,300.32	76.16	64.84	6.726	ES
Paul Foster Fed Com 504H - OH - Plan #1	3,000.00	3,000.20	84.78	69.93	5.711	SF
Paul Foster Fed Com 804H - OH - Plan #1	2,000.00	2,000.00	25.09	15.28	2.558	CC, ES
Paul Foster Fed Com 804H - OH - Plan #1	2,100.00	2,099.35	26.34	16.04	2.556	SF
Paul Foster Fed Com 806H - OH - Plan #1	2,100.00	2,100.00	24.78	14.46	2.402	CC, ES, SF
PF Fed Com 101H - OH - Plan #1	1,907.27	1,929.27	2,960.70	2,951.30	315.122	CC
PF Fed Com 101H - OH - Plan #1	2,000.00	2,016.21	2,960.72	2,950.87	300.565	ES
PF Fed Com 101H - OH - Plan #1	9,000.00	8,600.00	3,661.22	3,617.45	83.646	SF
PF Fed Com 102H - OH - Plan #1	8,004.76	8,100.08	2,406.12	2,365.00	58.504	CC
PF Fed Com 102H - OH - Plan #1	8,100.00	8,190.07	2,406.17	2,364.60	57.889	ES
PF Fed Com 102H - OH - Plan #1	22,874.14	18,764.40	4,770.20	4,614.81	30.699	SF
PF Fed Com 501H - OH - Plan #1	2,007.27	2,029.27	2,936.19	2,926.29	296.515	CC
PF Fed Com 501H - OH - Plan #1	2,100.00	2,116.65	2,936.21	2,925.85	283.457	ES
PF Fed Com 501H - OH - Plan #1	22,874.14	20,792.10	4,194.50	3,978.46	19.416	SF
PF Fed Com 502H - OH - Plan #1	10,274.22	10,408.32	2,432.05	2,379.91	46.642	CC
PF Fed Com 502H - OH - Plan #1	10,300.00	10,428.32	2,432.10	2,379.90	46.588	ES
PF Fed Com 502H - OH - Plan #1	22,874.14	20,732.36	3,294.75	3,103.89	17.263	SF
PF Fed Com 801H - OH - Plan #1	1,907.26	1,929.26	2,938.20	2,928.80	312.727	CC
PF Fed Com 801H - OH - Plan #1	2,000.00	2,000.00	2,938.28	2,928.47	299.538	ES
PF Fed Com 801H - OH - Plan #1	22,874.14	22,715.49	3,712.23	3,468.60	15.237	SF
PF Fed Com 802H - OH - Plan #1	13,476.08	13,217.18	2,802.95	2,738.10	43.225	CC
PF Fed Com 802H - OH - Plan #1	22,874.14	22,614.99	2,803.77	2,561.26	11.562	ES, SF
PF Fed Com 803H - OH - Plan #1	13,443.82	13,387.80	1,835.37	1,770.82	28.433	CC
PF Fed Com 803H - OH - Plan #1	22,874.14	22,817.96	1,836.17	1,594.89	7.610	ES, SF

Offset Design													Offset Site Error:	0.00 usft
Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - OH													Offset Well Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD														
Reference		Offset		Semi Major Axis		Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	26.22	26.22	0.00	0.03	-74.28	505.07	-1,794.34	1,864.07					
100.00	100.00	125.50	125.50	0.13	0.19	-74.27	505.29	-1,794.32	1,864.11	1,863.88	0.23	8,081.039		
200.00	200.00	221.83	221.83	0.48	0.53	-74.27	505.40	-1,794.37	1,864.19	1,863.48	0.72	2,599.273		
300.00	300.00	300.77	300.77	0.84	0.81	-74.25	506.14	-1,794.85	1,865.03	1,863.86	1.17	1,594.939		
400.00	400.00	379.93	379.90	1.20	1.09	-74.22	507.51	-1,796.09	1,867.00	1,865.37	1.62	1,149.209		
500.00	500.00	479.56	479.49	1.56	1.45	-74.20	509.02	-1,798.52	1,869.75	1,867.63	2.13	878.444		
600.00	600.00	588.98	588.88	1.92	1.84	-74.22	508.97	-1,801.04	1,871.96	1,869.30	2.65	705.266		
700.00	700.00	685.55	685.39	2.28	2.18	-74.30	506.97	-1,803.49	1,873.84	1,870.69	3.15	595.558		
800.00	800.00	868.09	867.58	2.63	2.82	-74.63	496.38	-1,805.21	1,872.66	1,868.81	3.85	486.387		
900.00	900.00	941.34	940.59	2.99	3.07	-74.80	490.63	-1,805.99	1,871.50	1,867.21	4.29	436.491		
1,000.00	1,000.00	1,045.00	1,044.05	3.35	3.44	-75.00	484.11	-1,806.39	1,870.22	1,865.42	4.80	389.346		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
1,100.00	1,100.00	1,147.86	1,146.74	3.71	3.81	-75.17	478.33	-1,806.93	1,869.28	1,863.96	5.32	351.442		
1,200.00	1,200.00	1,242.68	1,241.44	4.07	4.15	-75.31	473.74	-1,806.92	1,868.05	1,862.23	5.81	321.337		
1,300.00	1,300.00	1,336.09	1,334.79	4.43	4.49	-75.41	470.34	-1,807.17	1,867.39	1,861.09	6.30	296.235		
1,397.18	1,397.18	1,425.00	1,423.68	4.78	4.68	-75.47	468.43	-1,807.52	1,867.23	1,860.55	6.68	279.319		
1,400.00	1,400.00	1,425.00	1,423.68	4.79	4.68	-75.47	468.43	-1,807.52	1,867.23	1,860.54	6.69	279.018 ES		
1,500.00	1,500.00	1,506.59	1,505.26	5.14	4.70	-75.50	467.51	-1,808.20	1,867.79	1,860.82	6.97	268.116		
1,600.00	1,600.00	1,601.61	1,600.27	5.50	4.74	-75.50	468.05	-1,809.38	1,869.13	1,861.86	7.26	257.403		
1,700.00	1,700.00	1,699.62	1,698.26	5.86	4.80	-75.45	469.87	-1,810.39	1,870.58	1,863.01	7.58	246.880		
1,800.00	1,800.00	1,800.36	1,798.97	6.22	4.89	-75.39	472.15	-1,811.35	1,872.08	1,864.17	7.91	236.596		
1,900.00	1,900.00	1,903.84	1,902.42	6.58	5.01	-75.33	474.49	-1,812.23	1,873.48	1,865.21	8.27	226.569		
2,000.00	2,000.00	2,016.61	2,015.16	6.94	5.17	-75.25	477.07	-1,812.63	1,874.40	1,865.75	8.65	216.700		
2,100.00	2,100.00	2,123.86	2,122.37	7.29	5.34	-75.17	479.78	-1,812.35	1,874.78	1,865.74	9.04	207.391		
2,200.00	2,200.00	2,227.28	2,225.75	7.65	5.52	-75.08	482.69	-1,811.70	1,874.90	1,865.46	9.44	198.648		
2,300.00	2,299.99	2,327.27	2,325.69	8.01	5.72	-136.88	485.69	-1,810.91	1,875.87	1,866.03	9.84	190.648		
2,400.00	2,399.91	2,427.31	2,425.68	8.36	5.93	-136.83	488.93	-1,810.11	1,878.79	1,868.55	10.25	183.364		
2,471.49	2,471.26	2,511.04	2,509.37	8.61	6.12	-136.83	491.43	-1,809.29	1,881.91	1,871.35	10.56	178.243		
2,500.00	2,499.70	2,548.59	2,546.91	8.71	6.20	-136.86	492.18	-1,808.76	1,883.14	1,872.45	10.69	176.181		
2,600.00	2,599.45	2,651.00	2,649.29	9.06	6.45	-136.95	493.80	-1,806.86	1,886.95	1,875.83	11.11	169.767		
2,700.00	2,699.19	2,745.00	2,743.27	9.42	6.67	-137.06	494.39	-1,805.78	1,891.19	1,879.66	11.53	163.973		
2,800.00	2,798.94	2,828.37	2,826.64	9.78	6.88	-137.19	494.06	-1,805.72	1,896.17	1,884.23	11.94	158.812		
2,900.00	2,898.69	2,941.94	2,940.22	10.13	7.17	-137.35	494.01	-1,805.31	1,901.05	1,888.65	12.40	153.345		
3,000.00	2,998.44	3,068.19	3,066.43	10.49	7.51	-137.49	494.97	-1,803.01	1,904.68	1,891.80	12.88	147.836		
3,100.00	3,098.18	3,161.99	3,160.21	10.85	7.77	-137.60	495.47	-1,800.67	1,907.65	1,894.33	13.32	143.169		
3,200.00	3,197.93	3,243.71	3,241.91	11.22	8.00	-137.73	494.57	-1,799.85	1,911.64	1,897.90	13.75	139.057		
3,300.00	3,297.68	3,338.36	3,336.47	11.58	8.26	-137.99	490.54	-1,800.01	1,916.06	1,901.87	14.19	135.009		
3,400.00	3,397.43	3,406.00	3,403.95	11.94	8.46	-138.22	485.96	-1,800.89	1,921.19	1,906.60	14.59	131.653		
3,500.00	3,497.17	3,479.98	3,477.65	12.30	8.67	-138.51	479.98	-1,803.21	1,927.82	1,912.82	15.01	128.478		
3,600.00	3,596.92	3,547.90	3,545.22	12.67	8.88	-138.80	474.16	-1,806.85	1,936.43	1,921.02	15.40	125.703		
3,700.00	3,696.67	3,625.49	3,622.38	13.03	9.11	-139.12	467.87	-1,812.03	1,946.50	1,930.67	15.82	123.013		
3,800.00	3,796.42	3,714.23	3,710.70	13.40	9.38	-139.45	462.01	-1,818.23	1,957.31	1,941.04	16.27	120.324		
3,900.00	3,896.16	3,800.26	3,796.42	13.76	9.65	-139.72	457.96	-1,824.45	1,968.80	1,952.09	16.71	117.852		
4,000.00	3,995.91	3,895.08	3,890.80	14.13	9.95	-140.04	452.81	-1,831.93	1,980.85	1,963.68	17.17	115.386		
4,100.00	4,095.66	4,010.79	4,005.62	14.50	10.33	-140.55	442.09	-1,841.29	1,992.43	1,974.75	17.68	112.668		
4,200.00	4,195.41	4,117.40	4,111.29	14.86	10.69	-141.06	430.68	-1,849.65	2,003.66	1,985.47	18.18	110.189		
4,300.00	4,295.15	4,213.40	4,206.68	15.23	11.02	-141.45	422.35	-1,856.49	2,014.66	1,996.00	18.66	107.970		
4,400.00	4,394.90	4,361.71	4,354.30	15.60	11.52	-141.98	411.68	-1,865.89	2,025.49	2,006.23	19.26	105.152		
4,500.00	4,494.65	4,482.27	4,474.57	15.97	11.92	-142.34	404.92	-1,870.52	2,033.98	2,014.18	19.80	102.741		
4,600.00	4,594.40	4,584.79	4,576.86	16.34	12.27	-142.65	398.74	-1,873.64	2,041.65	2,021.35	20.29	100.611		
4,700.00	4,694.15	4,671.79	4,663.53	16.70	12.57	-142.96	391.88	-1,876.88	2,049.77	2,029.01	20.75	98.763		
4,800.00	4,793.89	4,761.75	4,753.14	17.07	12.88	-143.28	384.97	-1,880.73	2,058.53	2,037.31	21.22	96.989		
4,900.00	4,893.64	4,857.65	4,848.68	17.44	13.22	-143.60	377.81	-1,885.01	2,067.59	2,045.88	21.71	95.238		
5,000.00	4,993.39	4,949.66	4,940.31	17.81	13.54	-143.92	370.69	-1,889.34	2,076.92	2,054.73	22.19	93.611		
5,100.00	5,093.14	5,039.58	5,029.79	18.18	13.86	-144.25	363.27	-1,894.04	2,086.76	2,064.10	22.66	92.093		
5,200.00	5,192.88	5,133.46	5,123.25	18.55	14.20	-144.57	355.97	-1,899.20	2,097.01	2,073.87	23.14	90.611		
5,300.00	5,292.63	5,244.74	5,233.88	18.92	14.60	-144.99	345.73	-1,905.45	2,107.31	2,083.64	23.68	89.006		
5,400.00	5,392.38	5,358.18	5,346.37	19.29	15.02	-145.50	332.19	-1,911.01	2,116.68	2,092.46	24.22	87.394		
5,500.00	5,492.13	5,464.65	5,451.94	19.66	15.42	-145.98	319.32	-1,915.90	2,125.88	2,101.13	24.75	85.904		
5,600.00	5,591.87	5,579.44	5,565.87	20.03	15.85	-146.47	305.95	-1,920.42	2,134.60	2,109.30	25.30	84.381		
5,700.00	5,691.62	5,648.03	5,633.95	20.40	16.10	-146.75	298.20	-1,923.31	2,143.73	2,118.01	25.72	83.340		
5,800.00	5,791.37	5,731.49	5,716.78	20.77	16.42	-147.10	289.02	-1,927.78	2,154.10	2,127.92	26.19	82.259		
5,900.00	5,891.12	5,845.85	5,830.38	21.14	16.85	-147.54	277.27	-1,933.87	2,164.64	2,137.90	26.74	80.956		
6,000.00	5,990.86	5,959.13	5,943.06	21.52	17.27	-147.94	266.82	-1,938.76	2,174.33	2,147.04	27.29	79.689		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
6,100.00	6,090.61	6,058.99	6,042.45	21.89	17.64	-148.28	257.89	-1,942.76	2,183.79	2,156.00	27.79	78.570				
6,200.00	6,190.36	6,159.50	6,142.51	22.26	18.01	-148.61	249.28	-1,946.55	2,193.12	2,164.82	28.31	77.481				
6,300.00	6,290.11	6,238.00	6,220.63	22.63	18.31	-148.87	242.38	-1,950.05	2,203.17	2,174.42	28.75	76.621				
6,400.00	6,389.85	6,312.87	6,295.05	23.00	18.59	-149.13	235.32	-1,954.16	2,214.27	2,185.08	29.19	75.852				
6,500.00	6,489.60	6,410.13	6,391.67	23.37	18.96	-149.47	225.79	-1,960.01	2,225.99	2,196.30	29.70	74.958				
6,600.00	6,589.35	6,513.15	6,494.01	23.74	19.36	-149.83	215.65	-1,966.03	2,237.63	2,207.41	30.22	74.045				
6,700.00	6,689.10	6,617.27	6,597.45	24.12	19.76	-150.20	205.27	-1,971.89	2,249.12	2,218.37	30.75	73.149				
6,800.00	6,788.84	6,728.77	6,708.33	24.49	20.18	-150.56	195.05	-1,977.63	2,260.24	2,228.94	31.30	72.223				
6,900.00	6,888.59	6,827.72	6,806.81	24.86	20.55	-150.86	186.79	-1,982.42	2,271.13	2,239.32	31.80	71.410				
7,000.00	6,988.34	6,916.20	6,894.93	25.23	20.89	-151.11	180.10	-1,986.88	2,282.30	2,250.02	32.28	70.705				
7,069.58	7,057.74	6,972.23	6,950.76	25.49	21.09	-151.25	176.45	-1,990.02	2,290.48	2,257.88	32.59	70.279				
7,100.00	7,088.09	6,998.35	6,976.78	25.60	21.19	-151.34	174.95	-1,991.58	2,294.07	2,261.34	32.73	70.086				
7,200.00	7,187.97	7,106.50	7,084.60	25.97	21.59	-151.62	169.37	-1,997.90	2,304.28	2,271.02	33.26	69.279				
7,300.00	7,287.93	7,215.56	7,193.37	26.33	21.99	-151.83	164.05	-2,003.82	2,311.80	2,278.01	33.79	68.418				
7,341.07	7,329.00	7,259.79	7,237.50	26.47	22.15	-90.02	162.05	-2,006.10	2,314.12	2,280.11	34.00	68.056				
7,400.00	7,387.93	7,315.90	7,293.49	26.67	22.35	-90.08	159.68	-2,008.97	2,317.13	2,282.85	34.29	67.580				
7,500.00	7,487.93	7,425.13	7,402.48	27.02	22.75	-90.19	155.31	-2,014.67	2,322.38	2,287.57	34.81	66.715				
7,600.00	7,587.93	7,556.38	7,533.54	27.37	23.22	-90.30	150.77	-2,020.07	2,326.51	2,291.11	35.40	65.729				
7,700.00	7,687.93	7,730.84	7,707.95	27.72	23.80	-90.33	149.40	-2,023.18	2,328.23	2,292.16	36.07	64.551				
7,800.00	7,787.93	7,839.52	7,816.62	28.06	24.15	-90.32	150.08	-2,023.18	2,328.21	2,291.65	36.56	63.681				
7,900.00	7,887.93	7,953.98	7,931.09	28.41	24.51	-90.32	150.18	-2,022.72	2,327.82	2,290.75	37.07	62.800				
8,000.00	7,987.93	8,070.25	8,047.35	28.76	24.88	-90.32	149.84	-2,021.48	2,326.75	2,289.17	37.58	61.913				
8,100.00	8,087.93	8,178.81	8,155.89	29.11	25.23	-90.34	149.22	-2,019.67	2,325.08	2,287.00	38.08	61.060				
8,200.00	8,187.93	8,259.71	8,236.77	29.46	25.49	-90.35	148.75	-2,018.38	2,323.53	2,285.01	38.52	60.319				
8,274.63	8,262.56	8,312.00	8,289.07	29.72	25.67	-90.36	148.44	-2,018.16	2,323.20	2,284.37	38.83	59.826				
8,300.00	8,287.93	8,312.00	8,289.07	29.81	25.67	-90.36	148.44	-2,018.16	2,323.34	2,284.45	38.90	59.733				
8,400.00	8,387.93	8,407.00	8,384.06	30.16	25.99	-90.37	148.14	-2,019.31	2,324.55	2,285.18	39.37	59.041				
8,500.00	8,487.93	8,509.08	8,486.12	30.51	26.33	-90.36	148.20	-2,021.11	2,326.32	2,286.46	39.86	58.357				
8,600.00	8,587.93	8,624.10	8,601.13	30.86	26.71	-90.36	148.55	-2,022.05	2,327.14	2,286.75	40.38	57.625				
8,700.00	8,687.93	8,724.98	8,702.02	31.21	27.05	-90.35	148.95	-2,022.63	2,327.70	2,286.83	40.87	56.955				
8,800.00	8,787.93	8,822.61	8,799.64	31.56	27.37	-90.34	149.32	-2,023.14	2,328.22	2,286.87	41.35	56.308				
8,900.00	8,887.93	8,913.15	8,890.18	31.91	27.67	-90.33	149.61	-2,023.89	2,329.06	2,287.25	41.81	55.705				
9,000.00	8,987.93	9,005.20	8,982.22	32.26	27.98	-90.32	149.98	-2,025.04	2,330.30	2,288.02	42.28	55.118				
9,100.00	9,087.93	9,102.90	9,079.91	32.61	28.31	-90.30	150.69	-2,026.47	2,331.76	2,289.00	42.76	54.533				
9,200.00	9,187.93	9,203.23	9,180.22	32.96	28.64	-90.28	151.77	-2,027.94	2,333.22	2,289.97	43.24	53.954				
9,300.00	9,287.93	9,300.85	9,277.82	33.31	28.97	-90.24	153.03	-2,029.41	2,334.72	2,291.00	43.72	53.397				
9,400.00	9,387.93	9,396.25	9,373.19	33.66	29.28	-90.21	154.33	-2,031.00	2,336.38	2,292.18	44.20	52.863				
9,500.00	9,487.93	9,490.95	9,467.87	34.01	29.60	-90.18	155.70	-2,032.78	2,338.26	2,293.59	44.67	52.346				
9,600.00	9,587.93	9,590.86	9,567.75	34.36	29.94	-90.14	157.18	-2,034.83	2,340.31	2,295.15	45.16	51.827				
9,700.00	9,687.93	9,691.20	9,668.06	34.72	30.27	-90.11	158.45	-2,036.79	2,342.25	2,296.61	45.64	51.315				
9,800.00	9,787.93	9,779.61	9,756.45	35.07	30.57	-90.09	159.48	-2,038.69	2,344.41	2,298.31	46.10	50.852				
9,900.00	9,887.93	10,015.38	9,992.15	35.42	31.36	-90.09	159.26	-2,037.86	2,344.16	2,297.26	46.90	49.987				
10,000.00	9,987.93	10,110.87	10,087.59	35.77	31.67	-90.11	158.66	-2,034.84	2,340.99	2,293.62	47.37	49.418				
10,100.00	10,087.93	10,211.98	10,188.65	36.12	31.99	-90.11	158.51	-2,031.63	2,337.81	2,289.95	47.86	48.850				
10,200.00	10,187.93	10,293.00	10,269.63	36.48	32.25	-90.11	158.44	-2,029.19	2,334.85	2,286.54	48.30	48.336				
10,300.00	10,287.93	10,375.78	10,352.39	36.83	32.52	-90.11	158.35	-2,027.34	2,332.66	2,283.90	48.75	47.845				
10,400.00	10,387.93	10,482.40	10,458.99	37.18	32.87	-90.12	158.08	-2,025.57	2,331.00	2,281.74	49.25	47.326				
10,500.00	10,487.93	10,577.00	10,553.58	37.53	33.19	-90.14	157.41	-2,023.85	2,329.19	2,279.46	49.73	46.836				
10,600.00	10,587.93	10,671.00	10,647.56	37.89	33.50	-90.16	156.61	-2,022.40	2,327.64	2,277.44	50.21	46.361				
10,700.00	10,687.93	10,758.23	10,734.78	38.24	33.79	-90.17	155.91	-2,021.42	2,326.52	2,275.85	50.67	45.915				
10,800.00	10,787.93	10,858.61	10,835.16	38.59	34.13	-90.19	155.15	-2,020.55	2,325.65	2,274.49	51.16	45.457				
10,900.00	10,887.93	10,953.26	10,929.80	38.94	34.45	-90.21	154.40	-2,019.81	2,324.88	2,273.24	51.64	45.020				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - OH		Offset Site Error:	0.00 usft
Survey Program:		112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD											Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
11,000.00	10,987.93	11,048.00	11,024.53	39.30	34.78	-90.24	153.34	-2,019.02	2,324.06	2,271.94	52.12	44.588				
11,100.00	11,087.93	11,142.00	11,118.51	39.65	35.10	-90.28	151.48	-2,018.64	2,323.67	2,271.07	52.60	44.172				
11,104.08	11,092.02	11,142.00	11,118.51	39.67	35.10	-90.28	151.48	-2,018.64	2,323.67	2,271.06	52.62	44.164				
11,200.00	11,187.93	11,228.80	11,205.27	40.00	35.41	-90.35	149.00	-2,018.85	2,323.91	2,270.84	53.07	43.788				
11,300.00	11,287.93	11,411.25	11,385.12	40.36	36.09	-91.02	121.58	-2,014.68	2,321.12	2,267.34	53.78	43.156				
11,400.00	11,387.93	11,506.73	11,475.24	40.71	36.48	-91.79	90.51	-2,011.38	2,318.31	2,264.00	54.31	42.686				
11,500.00	11,487.93	11,577.87	11,538.58	41.07	36.79	-92.59	58.27	-2,008.80	2,316.29	2,261.51	54.78	42.280				
11,538.71	11,526.65	11,594.78	11,553.14	41.20	36.87	-92.80	49.70	-2,008.32	2,316.09	2,261.16	54.94	42.160				
11,600.00	11,587.93	11,612.00	11,567.79	41.42	36.94	-93.03	40.65	-2,007.94	2,316.64	2,261.50	55.14	42.016				
11,700.00	11,687.93	11,659.00	11,606.56	41.77	37.16	-93.68	14.11	-2,007.73	2,320.03	2,264.52	55.51	41.795				
11,800.00	11,787.93	11,732.46	11,663.40	42.13	37.53	-94.83	-32.38	-2,007.63	2,325.78	2,269.81	55.97	41.558				
11,900.00	11,887.93	11,775.33	11,693.71	42.48	37.75	-95.57	-62.66	-2,007.20	2,333.65	2,277.37	56.28	41.464				
12,000.00	11,987.93	11,801.00	11,710.68	42.83	37.88	-96.05	-81.92	-2,007.10	2,344.79	2,288.31	56.49	41.509				
12,100.00	12,087.93	11,823.90	11,724.80	43.19	38.01	-96.49	-99.95	-2,007.17	2,359.47	2,302.83	56.64	41.658				
12,179.11	12,167.04	11,848.00	11,738.32	43.47	38.14	-96.97	-119.89	-2,007.47	2,373.76	2,317.01	56.75	41.826				
12,200.00	12,187.93	11,848.00	11,738.32	43.54	38.14	83.18	-119.89	-2,007.47	2,377.82	2,321.07	56.75	41.902				
12,250.00	12,237.75	11,848.00	11,738.32	43.70	38.14	82.17	-119.89	-2,007.47	2,387.86	2,331.15	56.71	42.103				
12,300.00	12,287.04	11,848.00	11,738.32	43.85	38.14	81.11	-119.89	-2,007.47	2,398.33	2,341.66	56.67	42.321				
12,350.00	12,335.41	11,871.47	11,750.34	44.00	38.27	79.64	-140.04	-2,007.97	2,408.76	2,352.03	56.74	42.456				
12,400.00	12,382.50	11,895.00	11,761.43	44.14	38.40	78.22	-160.78	-2,008.67	2,419.45	2,362.65	56.79	42.600				
12,450.00	12,427.95	11,895.00	11,761.43	44.27	38.40	77.17	-160.78	-2,008.67	2,429.88	2,373.15	56.73	42.835				
12,500.00	12,471.42	11,910.63	11,768.35	44.39	38.50	75.95	-174.78	-2,009.25	2,440.22	2,383.48	56.74	43.008				
12,550.00	12,512.57	11,926.54	11,775.13	44.50	38.59	74.78	-189.16	-2,009.92	2,450.23	2,393.48	56.75	43.175				
12,600.00	12,551.09	11,945.23	11,782.75	44.59	38.70	73.66	-206.20	-2,010.82	2,459.80	2,403.02	56.78	43.321				
12,650.00	12,586.68	11,998.62	11,801.58	44.68	39.02	72.33	-256.11	-2,012.36	2,468.42	2,411.43	56.99	43.310				
12,700.00	12,619.09	12,036.00	11,812.25	44.76	39.25	71.27	-291.93	-2,012.54	2,475.96	2,418.83	57.13	43.342				
12,750.00	12,648.05	12,069.08	11,819.82	44.84	39.46	70.38	-324.13	-2,012.12	2,482.44	2,425.20	57.24	43.368				
12,800.00	12,673.35	12,083.00	11,822.40	44.93	39.54	69.75	-337.80	-2,011.76	2,487.92	2,430.64	57.28	43.437				
12,850.00	12,694.80	12,132.00	11,829.44	45.04	39.86	69.01	-386.25	-2,010.01	2,492.09	2,434.60	57.48	43.354				
12,900.00	12,712.23	12,162.70	11,832.41	45.16	40.05	68.54	-416.77	-2,008.64	2,495.21	2,437.59	57.62	43.307				
12,950.00	12,725.51	12,195.00	11,834.32	45.28	40.26	68.21	-448.97	-2,006.97	2,497.14	2,439.37	57.77	43.224				
13,000.00	12,734.55	12,219.52	11,835.07	45.41	40.43	68.05	-473.45	-2,005.65	2,497.90	2,439.98	57.92	43.127				
13,050.00	12,739.26	12,245.46	11,835.38	45.54	40.60	68.03	-499.35	-2,004.31	2,497.51	2,439.41	58.09	42.992				
13,079.11	12,740.00	12,260.60	11,835.32	45.62	40.71	68.09	-514.46	-2,003.56	2,496.75	2,438.55	58.20	42.899				
13,100.00	12,740.00	12,290.00	11,834.72	45.68	40.91	68.07	-543.83	-2,002.17	2,496.24	2,437.89	58.35	42.777				
13,200.00	12,740.00	12,290.00	11,834.72	45.98	40.91	68.07	-543.83	-2,002.17	2,494.64	2,436.07	58.56	42.598				
13,220.64	12,740.00	12,320.66	11,833.59	46.06	41.13	68.04	-574.45	-2,001.04	2,494.28	2,435.54	58.74	42.461				
13,300.00	12,740.00	12,349.29	11,832.23	46.34	41.34	68.01	-603.04	-2,000.52	2,495.09	2,436.03	59.06	42.249				
13,400.00	12,740.00	12,384.00	11,830.18	46.75	41.60	67.97	-637.69	-2,000.57	2,498.40	2,438.92	59.48	42.002				
13,500.00	12,740.00	12,451.26	11,827.02	47.22	42.13	67.92	-704.84	-2,002.42	2,503.65	2,443.55	60.11	41.653				
13,600.00	12,740.00	12,522.14	11,825.99	47.73	42.70	67.94	-775.60	-2,006.35	2,510.23	2,449.42	60.81	41.279				
13,700.00	12,740.00	12,773.20	11,831.27	48.30	44.92	68.18	-1,026.20	-2,019.36	2,516.46	2,453.82	62.64	40.175				
13,800.00	12,740.00	12,856.00	11,833.60	48.92	45.71	68.25	-1,108.96	-2,020.50	2,517.67	2,454.09	63.57	39.604				
13,900.00	12,740.00	12,926.47	11,834.84	49.58	46.40	68.29	-1,179.40	-2,021.88	2,519.84	2,455.36	64.47	39.083				
14,000.00	12,740.00	13,116.79	11,841.05	50.29	48.36	68.46	-1,369.56	-2,024.31	2,520.50	2,454.26	66.24	38.050				
14,100.00	12,740.00	13,223.32	11,845.43	51.04	49.51	68.56	-1,476.00	-2,024.15	2,519.78	2,452.26	67.52	37.319				
14,200.00	12,740.00	13,316.14	11,848.64	51.83	50.55	68.63	-1,568.77	-2,023.73	2,519.02	2,450.28	68.75	36.643				
14,300.00	12,740.00	13,408.94	11,851.29	52.66	51.60	68.69	-1,661.53	-2,023.41	2,518.59	2,448.58	70.01	35.973				
14,400.00	12,740.00	13,593.30	11,857.70	53.53	53.77	68.81	-1,845.72	-2,019.57	2,516.05	2,444.03	72.02	34.936				
14,500.00	12,740.00	13,652.45	11,858.33	54.44	54.48	68.81	-1,904.82	-2,017.22	2,513.01	2,439.90	73.12	34.371				
14,600.00	12,740.00	13,707.00	11,857.60	55.38	55.14	68.79	-1,959.35	-2,015.92	2,512.07	2,437.88	74.19	33.861				
14,700.00	12,740.00	13,897.00	11,859.23	56.35	57.50	68.81	-2,149.27	-2,012.14	2,511.51	2,435.15	76.36	32.889				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
14,800.00	12,740.00	13,972.84	11,861.09	57.35	58.46	68.83	-2,225.03	-2,009.25	2,508.05	2,430.35	77.70	32.280				
14,900.00	12,740.00	14,053.78	11,862.34	58.39	59.50	68.84	-2,305.92	-2,006.87	2,505.66	2,426.57	79.09	31.681				
15,000.00	12,740.00	14,119.26	11,863.10	59.45	60.35	68.85	-2,371.38	-2,005.38	2,504.12	2,423.74	80.38	31.155				
15,037.00	12,740.00	14,138.79	11,863.14	59.85	60.60	68.85	-2,390.91	-2,005.13	2,503.99	2,423.17	80.82	30.983				
15,100.00	12,740.00	14,182.00	11,862.84	60.54	61.17	68.85	-2,434.12	-2,004.94	2,504.40	2,422.75	81.65	30.672				
15,200.00	12,740.00	14,325.03	11,863.77	61.65	63.06	68.88	-2,577.12	-2,004.89	2,505.37	2,421.72	83.65	29.950				
15,300.00	12,740.00	14,465.00	11,868.91	62.79	64.94	68.98	-2,716.95	-2,001.84	2,502.66	2,416.98	85.68	29.208				
15,400.00	12,740.00	14,560.00	11,872.11	63.94	66.24	69.03	-2,811.87	-1,999.59	2,500.17	2,412.82	87.35	28.623				
15,500.00	12,740.00	14,664.58	11,875.26	65.12	67.68	69.09	-2,916.37	-1,997.24	2,497.93	2,408.82	89.11	28.030				
15,600.00	12,740.00	14,749.00	11,877.84	66.32	68.85	69.13	-3,000.72	-1,995.03	2,495.39	2,404.67	90.73	27.505				
15,700.00	12,740.00	14,818.80	11,879.47	67.54	69.83	69.16	-3,070.49	-1,993.70	2,493.83	2,401.61	92.22	27.044				
15,800.00	12,740.00	14,905.74	11,880.45	68.78	71.05	69.19	-3,157.43	-1,993.11	2,493.68	2,399.81	93.87	26.566				
15,900.00	12,740.00	15,015.79	11,881.90	70.04	72.60	69.22	-3,267.45	-1,992.16	2,493.33	2,397.58	95.76	26.039				
16,000.00	12,740.00	15,116.13	11,884.96	71.31	74.03	69.29	-3,367.75	-1,991.70	2,492.75	2,395.16	97.59	25.543				
16,081.95	12,740.00	15,184.17	11,886.62	72.36	75.01	69.33	-3,435.77	-1,991.42	2,492.49	2,393.52	98.97	25.185				
16,100.00	12,740.00	15,198.68	11,886.84	72.59	75.22	69.33	-3,450.28	-1,991.36	2,492.50	2,393.24	99.26	25.110				
16,200.00	12,740.00	15,273.57	11,887.87	73.89	76.29	69.36	-3,525.16	-1,991.49	2,493.11	2,392.25	100.86	24.717				
16,300.00	12,740.00	15,371.47	11,891.38	75.21	77.71	69.46	-3,622.98	-1,993.41	2,494.61	2,391.88	102.74	24.282				
16,400.00	12,740.00	15,464.07	11,896.07	76.53	79.06	69.59	-3,715.44	-1,995.34	2,495.74	2,391.16	104.58	23.864				
16,500.00	12,740.00	15,580.69	11,901.80	77.87	80.76	69.74	-3,831.88	-1,997.83	2,496.97	2,390.27	106.70	23.402				
16,600.00	12,740.00	15,728.21	11,909.46	79.22	82.94	69.92	-3,979.20	-1,997.96	2,495.86	2,386.71	109.14	22.867				
16,700.00	12,740.00	15,805.49	11,912.68	80.59	84.08	69.99	-4,056.41	-1,998.02	2,495.40	2,384.52	110.87	22.507				
16,800.00	12,740.00	15,919.48	11,917.53	81.96	85.78	70.11	-4,170.30	-1,998.22	2,495.05	2,382.06	112.99	22.083				
16,900.00	12,740.00	16,031.21	11,923.19	83.34	87.45	70.24	-4,281.89	-1,998.02	2,494.08	2,378.98	115.10	21.669				
17,000.00	12,740.00	16,164.51	11,931.86	84.74	89.45	70.43	-4,414.90	-1,997.53	2,492.54	2,375.08	117.46	21.220				
17,100.00	12,740.00	16,242.23	11,937.08	86.14	90.62	70.54	-4,492.44	-1,996.92	2,490.50	2,371.22	119.28	20.880				
17,200.00	12,740.00	16,398.65	11,945.60	87.55	92.99	70.73	-4,648.59	-1,995.55	2,489.35	2,367.48	121.86	20.428				
17,300.00	12,740.00	16,548.00	11,954.14	88.97	95.26	70.88	-4,797.53	-1,989.00	2,484.11	2,359.77	124.34	19.979				
17,400.00	12,740.00	16,581.18	11,954.85	90.39	95.77	70.89	-4,830.66	-1,987.58	2,479.87	2,354.11	125.77	19.718				
17,500.00	12,740.00	16,643.00	11,955.45	91.83	96.71	70.89	-4,892.46	-1,986.02	2,477.89	2,350.49	127.41	19.449				
17,538.62	12,740.00	16,643.00	11,955.45	92.39	96.71	70.89	-4,892.46	-1,986.02	2,477.59	2,349.80	127.80	19.387				
17,600.00	12,740.00	16,643.00	11,955.45	93.27	96.71	70.89	-4,892.46	-1,986.02	2,478.35	2,349.99	128.37	19.307				
17,700.00	12,740.00	16,643.00	11,955.45	94.72	96.71	70.89	-4,892.46	-1,986.02	2,482.84	2,353.67	129.17	19.222				
17,800.00	12,740.00	16,643.00	11,955.45	96.17	96.71	70.89	-4,892.46	-1,986.02	2,491.34	2,361.54	129.80	19.193 SF				
17,900.00	12,740.00	16,643.00	11,955.45	97.64	96.71	70.89	-4,892.46	-1,986.02	2,503.81	2,373.54	130.27	19.220				
18,000.00	12,740.00	16,643.00	11,955.45	99.10	96.71	70.89	-4,892.46	-1,986.02	2,520.18	2,389.61	130.57	19.301				
18,100.00	12,740.00	16,643.00	11,955.45	100.58	96.71	70.89	-4,892.46	-1,986.02	2,540.39	2,409.68	130.72	19.434				
18,200.00	12,740.00	16,643.00	11,955.45	102.05	96.71	70.89	-4,892.46	-1,986.02	2,564.35	2,433.64	130.71	19.618				
18,300.00	12,740.00	16,643.00	11,955.45	103.54	96.71	70.89	-4,892.46	-1,986.02	2,591.94	2,461.38	130.56	19.852				
18,400.00	12,740.00	16,643.00	11,955.45	105.03	96.71	70.89	-4,892.46	-1,986.02	2,623.06	2,492.78	130.28	20.134				
18,500.00	12,740.00	16,643.00	11,955.45	106.52	96.71	70.89	-4,892.46	-1,986.02	2,657.58	2,527.70	129.87	20.463				
18,600.00	12,740.00	16,643.00	11,955.45	108.02	96.71	70.89	-4,892.46	-1,986.02	2,695.36	2,566.01	129.36	20.837				
18,700.00	12,740.00	16,643.00	11,955.45	109.52	96.71	70.89	-4,892.46	-1,986.02	2,736.29	2,607.54	128.75	21.254				
18,800.00	12,740.00	16,643.00	11,955.45	111.03	96.71	70.89	-4,892.46	-1,986.02	2,780.20	2,652.15	128.05	21.711				
18,900.00	12,740.00	16,643.00	11,955.45	112.54	96.71	70.89	-4,892.46	-1,986.02	2,826.98	2,699.70	127.28	22.211				
19,000.00	12,740.00	16,643.00	11,955.45	114.05	96.71	70.89	-4,892.46	-1,986.02	2,876.47	2,750.02	126.45	22.749				
19,100.00	12,740.00	16,643.00	11,955.45	115.57	96.71	70.89	-4,892.46	-1,986.02	2,928.54	2,802.98	125.57	23.323				
19,200.00	12,740.00	16,643.00	11,955.45	117.09	96.71	70.89	-4,892.46	-1,986.02	2,983.06	2,858.41	124.65	23.932				
19,300.00	12,740.00	16,643.00	11,955.45	118.62	96.71	70.89	-4,892.46	-1,986.02	3,039.89	2,916.19	123.69	24.576				
19,400.00	12,740.00	16,643.00	11,955.45	120.15	96.71	70.89	-4,892.46	-1,986.02	3,098.90	2,976.18	122.72	25.252				
19,500.00	12,740.00	16,643.00	11,955.45	121.68	96.71	70.89	-4,892.46	-1,986.02	3,159.98	3,038.25	121.73	25.960				
19,600.00	12,740.00	16,643.00	11,955.45	123.21	96.71	70.89	-4,892.46	-1,986.02	3,223.00	3,102.28	120.73	26.697				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - OH		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1352-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
19,700.00	12,740.00	16,643.00	11,955.45	124.75	96.71	70.89	-4,892.46	-1,986.02	3,287.86	3,168.13	119.72	27.462				
19,800.00	12,740.00	16,643.00	11,955.45	126.29	96.71	70.89	-4,892.46	-1,986.02	3,354.44	3,235.72	118.73	28.253				
19,900.00	12,740.00	16,643.00	11,955.45	127.84	96.71	70.89	-4,892.46	-1,986.02	3,422.65	3,304.92	117.73	29.071				
20,000.00	12,740.00	16,643.00	11,955.45	129.38	96.71	70.89	-4,892.46	-1,986.02	3,492.40	3,375.65	116.75	29.914				
20,100.00	12,740.00	16,643.00	11,955.45	130.93	96.71	70.89	-4,892.46	-1,986.02	3,563.58	3,447.80	115.78	30.780				
20,200.00	12,740.00	16,643.00	11,955.45	132.48	96.71	70.89	-4,892.46	-1,986.02	3,636.12	3,521.30	114.82	31.667				
20,300.00	12,740.00	16,643.00	11,955.45	134.04	96.71	70.89	-4,892.46	-1,986.02	3,709.94	3,596.05	113.89	32.576				
20,400.00	12,740.00	16,643.00	11,955.45	135.59	96.71	70.89	-4,892.46	-1,986.02	3,784.96	3,671.99	112.97	33.504				
20,500.00	12,740.00	16,643.00	11,955.45	137.15	96.71	70.89	-4,892.46	-1,986.02	3,861.12	3,749.04	112.08	34.451				
20,600.00	12,740.00	16,643.00	11,955.45	138.71	96.71	70.89	-4,892.46	-1,986.02	3,938.34	3,827.13	111.20	35.416				
20,700.00	12,740.00	16,643.00	11,955.45	140.27	96.71	70.89	-4,892.46	-1,986.02	4,016.56	3,906.21	110.35	36.397				
20,800.00	12,740.00	16,643.00	11,955.45	141.84	96.71	70.89	-4,892.46	-1,986.02	4,095.73	3,986.21	109.53	37.394				
20,900.00	12,740.00	16,643.00	11,955.45	143.41	96.71	70.89	-4,892.46	-1,986.02	4,175.80	4,067.08	108.73	38.407				
21,000.00	12,740.00	16,643.00	11,955.45	144.97	96.71	70.89	-4,892.46	-1,986.02	4,256.71	4,148.76	107.95	39.433				
21,100.00	12,740.00	16,643.00	11,955.45	146.54	96.71	70.89	-4,892.46	-1,986.02	4,338.42	4,231.22	107.19	40.473				
21,200.00	12,740.00	16,643.00	11,955.45	148.12	96.71	70.89	-4,892.46	-1,986.02	4,420.88	4,314.41	106.46	41.525				
21,300.00	12,740.00	16,643.00	11,955.45	149.69	96.71	70.89	-4,892.46	-1,986.02	4,504.04	4,398.29	105.75	42.590				
21,400.00	12,740.00	16,643.00	11,955.45	151.26	96.71	70.89	-4,892.46	-1,986.02	4,587.89	4,482.82	105.07	43.666				
21,500.00	12,740.00	16,643.00	11,955.45	152.84	96.71	70.89	-4,892.46	-1,986.02	4,672.36	4,567.96	104.40	44.753				
21,600.00	12,740.00	16,643.00	11,955.45	154.42	96.71	70.89	-4,892.46	-1,986.02	4,757.44	4,653.68	103.76	45.850				
21,700.00	12,740.00	16,643.00	11,955.45	156.00	96.71	70.89	-4,892.46	-1,986.02	4,843.09	4,739.95	103.14	46.957				
21,800.00	12,740.00	16,643.00	11,955.45	157.58	96.71	70.89	-4,892.46	-1,986.02	4,929.28	4,826.74	102.54	48.073				

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

7/17/2021 12:24:44AM

Page 8

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - Plan #6		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1425-OWSG (Rev2) MWD, 12083-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
0.00	0.00	26.22	26.22	0.00	0.03	-74.28	505.07	-1,794.34	1,864.07							
100.00	100.00	125.50	125.50	0.13	0.19	-74.27	505.29	-1,794.32	1,864.11	1,863.88	0.23	8,081.039				
200.00	200.00	221.83	221.83	0.48	0.53	-74.27	505.40	-1,794.37	1,864.19	1,863.48	0.72	2,599.273				
300.00	300.00	300.77	300.77	0.84	0.81	-74.25	506.14	-1,794.85	1,865.03	1,863.86	1.17	1,594.939				
400.00	400.00	379.93	379.90	1.20	1.09	-74.22	507.51	-1,796.09	1,867.00	1,865.37	1.62	1,149.209				
500.00	500.00	479.56	479.49	1.56	1.45	-74.20	509.02	-1,798.52	1,869.75	1,867.63	2.13	878.444				
600.00	600.00	588.98	588.88	1.92	1.84	-74.22	508.97	-1,801.04	1,871.96	1,869.30	2.65	705.266				
700.00	700.00	685.55	685.39	2.28	2.18	-74.30	506.97	-1,803.49	1,873.84	1,870.69	3.15	595.558				
800.00	800.00	768.09	767.58	2.63	2.82	-74.63	496.38	-1,805.21	1,872.66	1,868.81	3.85	486.387				
900.00	900.00	841.34	840.59	2.99	3.07	-74.80	490.63	-1,805.99	1,871.50	1,867.21	4.29	436.491				
1,000.00	1,000.00	1,045.00	1,044.05	3.35	3.44	-75.00	484.11	-1,806.39	1,870.22	1,865.42	4.80	389.346				
1,100.00	1,100.00	1,147.86	1,146.74	3.71	3.81	-75.17	478.33	-1,806.93	1,869.28	1,863.96	5.32	351.442				
1,200.00	1,200.00	1,242.68	1,241.44	4.07	4.15	-75.31	473.74	-1,806.92	1,868.05	1,862.23	5.81	321.337				
1,300.00	1,300.00	1,336.09	1,334.79	4.43	4.49	-75.41	470.34	-1,807.17	1,867.39	1,861.09	6.30	296.235				
1,397.18	1,397.18	1,425.00	1,423.68	4.78	4.68	-75.47	468.43	-1,807.52	1,867.23	1,860.55	6.68	279.319				
1,400.00	1,400.00	1,425.00	1,423.68	4.79	4.68	-75.47	468.43	-1,807.52	1,867.23	1,860.54	6.69	279.018 ES				
1,500.00	1,500.00	1,506.59	1,505.26	5.14	4.70	-75.50	467.51	-1,808.20	1,867.79	1,860.82	6.97	268.116				
1,600.00	1,600.00	1,601.61	1,600.27	5.50	4.74	-75.50	468.05	-1,809.38	1,869.13	1,861.86	7.26	257.403				
1,700.00	1,700.00	1,699.62	1,698.26	5.86	4.80	-75.45	469.87	-1,810.39	1,870.58	1,863.01	7.58	246.880				
1,800.00	1,800.00	1,800.36	1,798.97	6.22	4.89	-75.39	472.15	-1,811.35	1,872.08	1,864.17	7.91	236.596				
1,900.00	1,900.00	1,903.84	1,902.42	6.58	5.01	-75.33	474.49	-1,812.23	1,873.48	1,865.21	8.27	226.569				
2,000.00	2,000.00	2,016.61	2,015.16	6.94	5.17	-75.25	477.07	-1,812.63	1,874.40	1,865.75	8.65	216.700				
2,100.00	2,100.00	2,123.86	2,122.37	7.29	5.34	-75.17	479.78	-1,812.35	1,874.78	1,865.74	9.04	207.391				
2,200.00	2,200.00	2,227.28	2,225.75	7.65	5.52	-75.08	482.69	-1,811.70	1,874.90	1,865.46	9.44	198.648				
2,300.00	2,299.99	2,327.27	2,325.69	8.01	5.72	-136.88	485.69	-1,810.91	1,875.87	1,866.03	9.84	190.648				
2,400.00	2,399.91	2,427.31	2,425.68	8.36	5.93	-136.83	488.93	-1,810.11	1,878.79	1,868.55	10.25	183.364				
2,471.49	2,471.26	2,511.04	2,509.37	8.61	6.12	-136.83	491.43	-1,809.29	1,881.91	1,871.35	10.56	178.243				
2,500.00	2,499.70	2,548.59	2,546.91	8.71	6.20	-136.86	492.18	-1,808.76	1,883.14	1,872.45	10.69	176.181				
2,600.00	2,599.45	2,651.00	2,649.29	9.06	6.45	-136.95	493.80	-1,806.86	1,886.95	1,875.83	11.11	169.767				
2,700.00	2,699.19	2,745.00	2,743.27	9.42	6.67	-137.06	494.39	-1,805.78	1,891.19	1,879.66	11.53	163.973				
2,800.00	2,798.94	2,828.37	2,826.64	9.78	6.88	-137.19	494.06	-1,805.72	1,896.17	1,884.23	11.94	158.812				
2,900.00	2,898.69	2,941.94	2,940.22	10.13	7.17	-137.35	494.01	-1,805.31	1,901.05	1,888.65	12.40	153.345				
3,000.00	2,998.44	3,068.19	3,066.43	10.49	7.51	-137.49	494.97	-1,803.01	1,904.68	1,891.80	12.88	147.836				
3,100.00	3,098.18	3,161.99	3,160.21	10.85	7.77	-137.60	495.47	-1,800.67	1,907.65	1,894.33	13.32	143.169				
3,200.00	3,197.93	3,243.71	3,241.91	11.22	8.00	-137.73	494.57	-1,799.85	1,911.64	1,897.90	13.75	139.057				
3,300.00	3,297.68	3,338.36	3,336.47	11.58	8.26	-137.99	490.54	-1,800.01	1,916.06	1,901.87	14.19	135.009				
3,400.00	3,397.43	3,406.00	3,403.95	11.94	8.46	-138.22	485.96	-1,800.89	1,921.19	1,906.60	14.59	131.653				
3,500.00	3,497.17	3,479.98	3,477.65	12.30	8.67	-138.51	479.98	-1,803.21	1,927.82	1,912.82	15.01	128.478				
3,600.00	3,596.92	3,547.90	3,545.22	12.67	8.88	-138.80	474.16	-1,806.85	1,936.43	1,921.02	15.40	125.703				
3,700.00	3,696.67	3,625.49	3,622.38	13.03	9.11	-139.12	467.87	-1,812.03	1,946.50	1,930.67	15.82	123.013				
3,800.00	3,796.42	3,714.23	3,710.70	13.40	9.38	-139.45	462.01	-1,818.23	1,957.31	1,941.04	16.27	120.324				
3,900.00	3,896.16	3,800.26	3,796.42	13.76	9.65	-139.72	457.96	-1,824.45	1,968.80	1,952.09	16.71	117.852				
4,000.00	3,995.91	3,895.08	3,890.80	14.13	9.95	-140.04	452.81	-1,831.93	1,980.85	1,963.68	17.17	115.386				
4,100.00	4,095.66	4,010.79	4,005.62	14.50	10.33	-140.55	442.09	-1,841.29	1,992.43	1,974.75	17.68	112.668				
4,200.00	4,195.41	4,117.40	4,111.29	14.86	10.69	-141.06	430.68	-1,849.65	2,003.66	1,985.47	18.18	110.189				
4,300.00	4,295.15	4,213.40	4,206.68	15.23	11.02	-141.45	422.35	-1,856.49	2,014.66	1,996.00	18.66	107.970				
4,400.00	4,394.90	4,361.71	4,354.30	15.60	11.52	-141.98	411.68	-1,865.89	2,025.49	2,006.23	19.26	105.152				
4,500.00	4,494.65	4,482.27	4,474.57	15.97	11.92	-142.34	404.92	-1,870.52	2,033.98	2,014.18	19.80	102.741				
4,600.00	4,594.40	4,584.79	4,576.86	16.34	12.27	-142.65	398.74	-1,873.64	2,041.65	2,021.35	20.29	100.611				
4,700.00	4,694.15	4,671.79	4,663.53	16.70	12.57	-142.96	391.88	-1,876.88	2,049.77	2,029.01	20.75	98.763				
4,800.00	4,793.89	4,761.75	4,753.14	17.07	12.88	-143.28	384.97	-1,880.73	2,058.53	2,037.31	21.22	96.989				
4,900.00	4,893.64	4,857.65	4,848.68	17.44	13.22	-143.60	377.81	-1,885.01	2,067.59	2,045.88	21.71	95.238				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - Plan #6		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1425-OWSG (Rev2) MWD, 12083-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
5,000.00	4,993.39	4,949.66	4,940.31	17.81	13.54	-143.92	370.69	-1,889.34	2,076.92	2,054.73	22.19	93.611				
5,100.00	5,093.14	5,039.58	5,029.79	18.18	13.86	-144.25	363.27	-1,894.04	2,086.76	2,064.10	22.66	92.093				
5,200.00	5,192.88	5,133.46	5,123.25	18.55	14.20	-144.57	355.97	-1,899.20	2,097.01	2,073.87	23.14	90.611				
5,300.00	5,292.63	5,244.74	5,233.88	18.92	14.60	-144.99	345.73	-1,905.45	2,107.31	2,083.64	23.68	89.006				
5,400.00	5,392.38	5,358.18	5,346.37	19.29	15.02	-145.50	332.19	-1,911.01	2,116.68	2,092.46	24.22	87.394				
5,500.00	5,492.13	5,464.65	5,451.94	19.66	15.42	-145.98	319.32	-1,915.90	2,125.88	2,101.13	24.75	85.904				
5,600.00	5,591.87	5,579.44	5,565.87	20.03	15.85	-146.47	305.95	-1,920.42	2,134.60	2,109.30	25.30	84.381				
5,700.00	5,691.62	5,648.03	5,633.95	20.40	16.10	-146.75	298.20	-1,923.31	2,143.73	2,118.01	25.72	83.340				
5,800.00	5,791.37	5,731.49	5,716.78	20.77	16.42	-147.10	289.02	-1,927.78	2,154.10	2,127.92	26.19	82.259				
5,900.00	5,891.12	5,845.85	5,830.38	21.14	16.85	-147.54	277.27	-1,933.87	2,164.64	2,137.90	26.74	80.956				
6,000.00	5,990.86	5,959.13	5,943.06	21.52	17.27	-147.94	266.82	-1,938.76	2,174.33	2,147.04	27.29	79.689				
6,100.00	6,090.61	6,058.99	6,042.45	21.89	17.64	-148.28	257.89	-1,942.76	2,183.79	2,156.00	27.79	78.570				
6,200.00	6,190.36	6,159.50	6,142.51	22.26	18.01	-148.61	249.28	-1,946.55	2,193.12	2,164.82	28.31	77.481				
6,300.00	6,290.11	6,238.00	6,220.63	22.63	18.31	-148.87	242.38	-1,950.05	2,203.17	2,174.42	28.75	76.621				
6,400.00	6,389.85	6,312.87	6,295.05	23.00	18.59	-149.13	235.32	-1,954.16	2,214.27	2,185.08	29.19	75.852				
6,500.00	6,489.60	6,410.13	6,391.67	23.37	18.96	-149.47	225.79	-1,960.01	2,225.99	2,196.30	29.70	74.958				
6,600.00	6,589.35	6,513.15	6,494.01	23.74	19.36	-149.83	215.65	-1,966.03	2,237.63	2,207.41	30.22	74.045				
6,700.00	6,689.10	6,617.27	6,597.45	24.12	19.76	-150.20	205.27	-1,971.89	2,249.12	2,218.37	30.75	73.149				
6,800.00	6,788.84	6,728.77	6,708.33	24.49	20.18	-150.56	195.05	-1,977.63	2,260.24	2,228.94	31.30	72.223				
6,900.00	6,888.59	6,827.72	6,806.81	24.86	20.55	-150.86	186.79	-1,982.42	2,271.13	2,239.32	31.80	71.410				
7,000.00	6,988.34	6,916.20	6,894.93	25.23	20.89	-151.11	180.10	-1,986.88	2,282.30	2,250.02	32.28	70.705				
7,069.58	7,057.74	6,972.23	6,950.76	25.49	21.09	-151.25	176.45	-1,990.02	2,290.48	2,257.88	32.59	70.279				
7,100.00	7,088.09	6,998.35	6,976.78	25.60	21.19	-151.34	174.95	-1,991.58	2,294.07	2,261.34	32.73	70.086				
7,200.00	7,187.97	7,106.50	7,084.60	25.97	21.59	-151.62	169.37	-1,997.90	2,304.28	2,271.02	33.26	69.279				
7,300.00	7,287.93	7,215.56	7,193.37	26.33	21.99	-151.83	164.05	-2,003.82	2,311.80	2,278.01	33.79	68.418				
7,341.07	7,329.00	7,259.79	7,237.50	26.47	22.15	-90.02	162.05	-2,006.10	2,314.12	2,280.11	34.00	68.056				
7,400.00	7,387.93	7,315.90	7,293.49	26.67	22.35	-90.08	159.68	-2,008.97	2,317.13	2,282.85	34.29	67.580				
7,500.00	7,487.93	7,425.13	7,402.48	27.02	22.75	-90.19	155.31	-2,014.67	2,322.38	2,287.57	34.81	66.715				
7,600.00	7,587.93	7,556.38	7,533.54	27.37	23.22	-90.30	150.77	-2,020.07	2,326.51	2,291.11	35.40	65.729				
7,700.00	7,687.93	7,730.84	7,707.95	27.72	23.80	-90.33	149.40	-2,023.18	2,328.23	2,292.16	36.07	64.551				
7,800.00	7,787.93	7,839.52	7,816.62	28.06	24.15	-90.32	150.08	-2,023.18	2,328.21	2,291.65	36.56	63.681				
7,900.00	7,887.93	7,953.98	7,931.09	28.41	24.51	-90.32	150.18	-2,022.72	2,327.82	2,290.75	37.07	62.800				
8,000.00	7,987.93	8,070.25	8,047.35	28.76	24.88	-90.32	149.84	-2,021.48	2,326.75	2,289.17	37.58	61.913				
8,100.00	8,087.93	8,178.81	8,155.89	29.11	25.23	-90.34	149.22	-2,019.67	2,325.08	2,287.00	38.08	61.060				
8,200.00	8,187.93	8,259.71	8,236.77	29.46	25.49	-90.35	148.75	-2,018.38	2,323.53	2,285.01	38.52	60.319				
8,274.63	8,262.56	8,312.00	8,289.07	29.72	25.67	-90.36	148.44	-2,018.16	2,323.20	2,284.37	38.83	59.826				
8,300.00	8,287.93	8,312.00	8,289.07	29.81	25.67	-90.36	148.44	-2,018.16	2,323.34	2,284.45	38.90	59.733				
8,400.00	8,387.93	8,407.00	8,384.06	30.16	25.99	-90.37	148.14	-2,019.31	2,324.55	2,285.18	39.37	59.041				
8,500.00	8,487.93	8,509.08	8,486.12	30.51	26.33	-90.36	148.20	-2,021.11	2,326.32	2,286.46	39.86	58.357				
8,600.00	8,587.93	8,624.10	8,601.13	30.86	26.71	-90.36	148.55	-2,022.05	2,327.14	2,286.75	40.38	57.625				
8,700.00	8,687.93	8,724.98	8,702.02	31.21	27.05	-90.35	148.95	-2,022.63	2,327.70	2,286.83	40.87	56.955				
8,800.00	8,787.93	8,822.61	8,799.64	31.56	27.37	-90.34	149.32	-2,023.14	2,328.22	2,286.87	41.35	56.308				
8,900.00	8,887.93	8,913.15	8,890.18	31.91	27.67	-90.33	149.61	-2,023.89	2,329.06	2,287.25	41.81	55.705				
9,000.00	8,987.93	9,005.20	8,982.22	32.26	27.98	-90.32	149.98	-2,025.04	2,330.30	2,288.02	42.28	55.118				
9,100.00	9,087.93	9,102.90	9,079.91	32.61	28.31	-90.30	150.69	-2,026.47	2,331.76	2,289.00	42.76	54.533				
9,200.00	9,187.93	9,203.23	9,180.22	32.96	28.64	-90.28	151.77	-2,027.94	2,333.22	2,289.97	43.24	53.954				
9,300.00	9,287.93	9,300.85	9,277.82	33.31	28.97	-90.24	153.03	-2,029.41	2,334.72	2,291.00	43.72	53.397				
9,400.00	9,387.93	9,396.25	9,373.19	33.66	29.28	-90.21	154.33	-2,031.00	2,336.38	2,292.18	44.20	52.863				
9,500.00	9,487.93	9,490.95	9,467.87	34.01	29.60	-90.18	155.70	-2,032.78	2,338.26	2,293.59	44.67	52.346				
9,600.00	9,587.93	9,590.86	9,567.75	34.36	29.94	-90.14	157.18	-2,034.83	2,340.31	2,295.15	45.16	51.827				
9,700.00	9,687.93	9,691.20	9,668.06	34.72	30.27	-90.11	158.45	-2,036.79	2,342.25	2,296.61	45.64	51.315				
9,800.00	9,787.93	9,779.61	9,756.45	35.07	30.57	-90.09	159.48	-2,038.69	2,344.41	2,298.31	46.10	50.852				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - Plan #6		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1425-OWSG (Rev2) MWD, 12083-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
9,900.00	9,887.93	10,015.38	9,992.15	35.42	31.36	-90.09	159.26	-2,037.86	2,344.16	2,297.26	46.90	49.987				
10,000.00	9,987.93	10,110.87	10,087.59	35.77	31.67	-90.11	158.66	-2,034.84	2,340.99	2,293.62	47.37	49.418				
10,100.00	10,087.93	10,211.98	10,188.65	36.12	31.99	-90.11	158.51	-2,031.63	2,337.81	2,289.95	47.86	48.850				
10,200.00	10,187.93	10,293.00	10,269.63	36.48	32.25	-90.11	158.44	-2,029.19	2,334.85	2,286.54	48.30	48.336				
10,300.00	10,287.93	10,375.78	10,352.39	36.83	32.52	-90.11	158.35	-2,027.34	2,332.66	2,283.90	48.75	47.845				
10,400.00	10,387.93	10,482.40	10,458.99	37.18	32.87	-90.12	158.08	-2,025.57	2,331.00	2,281.74	49.25	47.326				
10,500.00	10,487.93	10,577.00	10,553.58	37.53	33.19	-90.14	157.41	-2,023.85	2,329.19	2,279.46	49.73	46.836				
10,600.00	10,587.93	10,671.00	10,647.56	37.89	33.50	-90.16	156.61	-2,022.40	2,327.64	2,277.44	50.21	46.361				
10,700.00	10,687.93	10,758.23	10,734.78	38.24	33.79	-90.17	155.91	-2,021.42	2,326.52	2,275.85	50.67	45.915				
10,800.00	10,787.93	10,858.61	10,835.16	38.59	34.13	-90.19	155.15	-2,020.55	2,325.65	2,274.49	51.16	45.457				
10,900.00	10,887.93	10,953.26	10,929.80	38.94	34.45	-90.21	154.40	-2,019.81	2,324.88	2,273.24	51.64	45.020				
11,000.00	10,987.93	11,048.00	11,024.53	39.30	34.78	-90.24	153.34	-2,019.02	2,324.06	2,271.94	52.12	44.588				
11,100.00	11,087.93	11,142.00	11,118.51	39.65	35.10	-90.28	151.48	-2,018.64	2,323.67	2,271.07	52.60	44.172				
11,104.08	11,092.02	11,142.00	11,118.51	39.67	35.10	-90.28	151.48	-2,018.64	2,323.67	2,271.06	52.62	44.164				
11,200.00	11,187.93	11,228.80	11,205.27	40.00	35.41	-90.35	149.00	-2,018.85	2,323.91	2,270.84	53.07	43.788				
11,300.00	11,287.93	11,411.25	11,385.12	40.36	36.09	-91.02	121.58	-2,014.68	2,321.12	2,267.34	53.78	43.156				
11,400.00	11,387.93	11,506.73	11,475.24	40.71	36.48	-91.79	90.51	-2,011.38	2,318.31	2,264.00	54.31	42.686				
11,500.00	11,487.93	11,577.87	11,538.58	41.07	36.79	-92.59	58.27	-2,008.80	2,316.29	2,261.51	54.78	42.280				
11,538.71	11,526.65	11,594.78	11,553.14	41.20	36.87	-92.80	49.70	-2,008.32	2,316.09	2,261.16	54.94	42.160				
11,600.00	11,587.93	11,612.00	11,567.79	41.42	36.94	-93.03	40.65	-2,007.94	2,316.64	2,261.50	55.14	42.016				
11,700.00	11,687.93	11,659.00	11,606.56	41.77	37.16	-93.68	14.11	-2,007.73	2,320.03	2,264.52	55.51	41.795				
11,800.00	11,787.93	11,732.46	11,663.40	42.13	37.53	-94.83	-32.38	-2,007.63	2,325.78	2,269.81	55.97	41.558				
11,900.00	11,887.93	11,775.33	11,693.71	42.48	37.75	-95.57	-62.66	-2,007.20	2,333.65	2,277.37	56.28	41.464				
12,000.00	11,987.93	11,801.00	11,710.68	42.83	37.88	-96.05	-81.92	-2,007.10	2,344.79	2,288.31	56.49	41.509				
12,100.00	12,087.93	11,823.90	11,724.80	43.19	38.01	-96.49	-99.95	-2,007.17	2,359.47	2,302.83	56.64	41.658				
12,179.11	12,167.04	11,848.00	11,738.32	43.47	38.14	-96.97	-119.89	-2,007.47	2,373.76	2,317.01	56.75	41.826				
12,200.00	12,187.93	11,848.00	11,738.32	43.54	38.14	83.18	-119.89	-2,007.47	2,377.82	2,321.07	56.75	41.902				
12,250.00	12,237.75	11,848.00	11,738.32	43.70	38.14	82.17	-119.89	-2,007.47	2,387.86	2,331.15	56.71	42.103				
12,300.00	12,287.04	11,848.00	11,738.32	43.85	38.14	81.11	-119.89	-2,007.47	2,398.33	2,341.66	56.67	42.321				
12,350.00	12,335.41	11,871.47	11,750.34	44.00	38.27	79.64	-140.04	-2,007.97	2,408.76	2,352.03	56.74	42.456				
12,400.00	12,382.50	11,895.00	11,761.43	44.14	38.40	78.22	-160.78	-2,008.67	2,419.45	2,362.65	56.79	42.600				
12,450.00	12,427.95	11,895.00	11,761.43	44.27	38.40	77.17	-160.78	-2,008.67	2,429.88	2,373.15	56.73	42.835				
12,500.00	12,471.42	11,910.63	11,768.35	44.39	38.50	75.95	-174.78	-2,009.25	2,440.22	2,383.48	56.74	43.008				
12,550.00	12,512.57	11,926.54	11,775.13	44.50	38.59	74.78	-189.16	-2,009.92	2,450.23	2,393.48	56.75	43.175				
12,600.00	12,551.09	11,945.23	11,782.75	44.59	38.70	73.66	-206.20	-2,010.82	2,459.80	2,403.02	56.78	43.321				
12,650.00	12,586.68	11,998.62	11,801.58	44.68	39.02	72.33	-256.11	-2,012.36	2,468.42	2,411.43	56.99	43.310				
12,700.00	12,619.09	12,036.00	11,812.25	44.76	39.25	71.27	-291.93	-2,012.54	2,475.96	2,418.83	57.13	43.342				
12,750.00	12,648.05	12,069.08	11,819.82	44.84	39.46	70.38	-324.13	-2,012.12	2,482.44	2,425.20	57.24	43.368				
12,800.00	12,673.35	12,109.89	11,826.41	44.93	39.71	69.55	-364.37	-2,010.71	2,487.76	2,430.37	57.39	43.346				
12,850.00	12,694.80	12,140.00	11,829.40	45.04	39.90	68.94	-394.27	-2,008.97	2,491.80	2,434.29	57.51	43.331				
12,900.00	12,712.23	12,173.88	11,831.76	45.16	40.12	68.44	-428.00	-2,006.86	2,494.64	2,436.99	57.65	43.272				
12,950.00	12,725.51	12,200.00	11,833.42	45.28	40.29	68.15	-454.03	-2,005.45	2,496.40	2,438.62	57.78	43.203				
13,000.00	12,734.55	12,227.16	11,835.00	45.41	40.48	68.02	-481.12	-2,004.19	2,497.02	2,439.07	57.95	43.092				
13,050.00	12,739.26	12,254.17	11,836.42	45.54	40.66	68.04	-508.06	-2,003.15	2,496.46	2,438.33	58.13	42.946				
13,079.11	12,740.00	12,269.90	11,837.19	45.62	40.77	68.12	-523.77	-2,002.63	2,495.60	2,437.35	58.25	42.845				
13,100.00	12,740.00	12,300.00	11,838.51	45.68	40.98	68.15	-553.83	-2,001.85	2,495.01	2,436.60	58.42	42.710				
13,200.00	12,740.00	12,335.27	11,839.83	45.98	41.24	68.17	-589.07	-2,001.27	2,492.54	2,433.75	58.79	42.397				
13,276.59	12,740.00	12,376.72	11,841.06	46.26	41.55	68.20	-630.51	-2,001.03	2,492.00	2,432.83	59.17	42.113				
13,300.00	12,740.00	12,400.00	11,841.61	46.34	41.72	68.21	-653.77	-2,001.11	2,492.09	2,432.75	59.34	41.997				
13,400.00	12,740.00	12,443.52	11,842.33	46.75	42.06	68.24	-697.29	-2,001.69	2,493.40	2,433.56	59.84	41.669				
13,500.00	12,740.00	12,500.00	11,842.69	47.22	42.51	68.26	-753.74	-2,003.23	2,496.58	2,436.15	60.43	41.311				
13,600.00	12,740.00	12,551.64	11,842.47	47.73	42.94	68.28	-805.33	-2,005.44	2,501.60	2,440.55	61.05	40.976				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1425-OWSG (Rev2) MWD, 12083-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,700.00	12,740.00	12,636.23	11,841.40	48.30	43.66	68.31	-889.79	-2,010.08	2,508.04	2,446.15	61.89	40.525		
13,800.00	12,740.00	12,915.60	11,842.35	48.92	46.27	68.40	-1,168.99	-2,016.34	2,510.76	2,446.79	63.97	39.249		
13,900.00	12,740.00	13,015.58	11,844.27	49.58	47.28	68.44	-1,268.95	-2,015.46	2,510.16	2,445.09	65.08	38.573		
14,000.00	12,740.00	13,115.56	11,846.18	50.29	48.32	68.49	-1,368.91	-2,014.58	2,509.56	2,443.33	66.24	37.888		
14,100.00	12,740.00	13,215.54	11,848.09	51.04	49.40	68.53	-1,468.87	-2,013.70	2,508.97	2,441.52	67.45	37.198		
14,200.00	12,740.00	13,315.52	11,850.00	51.83	50.51	68.57	-1,568.83	-2,012.83	2,508.37	2,439.66	68.71	36.505		
14,300.00	12,740.00	13,415.51	11,851.91	52.66	51.65	68.61	-1,668.79	-2,011.95	2,507.78	2,437.76	70.03	35.813		
14,400.00	12,740.00	13,515.49	11,853.83	53.53	52.81	68.65	-1,768.75	-2,011.07	2,507.19	2,435.81	71.38	35.123		
14,500.00	12,740.00	13,615.47	11,855.74	54.44	54.00	68.69	-1,868.71	-2,010.19	2,506.60	2,433.82	72.78	34.440		
14,600.00	12,740.00	13,715.45	11,857.65	55.38	55.21	68.74	-1,968.67	-2,009.31	2,506.01	2,431.79	74.22	33.763		
14,700.00	12,740.00	13,815.43	11,859.56	56.35	56.45	68.78	-2,068.63	-2,008.43	2,505.42	2,429.72	75.70	33.096		
14,800.00	12,740.00	13,915.41	11,861.47	57.35	57.70	68.82	-2,168.59	-2,007.55	2,504.84	2,427.62	77.22	32.439		
14,900.00	12,740.00	14,015.40	11,863.39	58.39	58.98	68.86	-2,268.55	-2,006.67	2,504.25	2,425.49	78.77	31.793		
15,000.00	12,740.00	14,115.38	11,865.30	59.45	60.27	68.90	-2,368.51	-2,005.79	2,503.67	2,423.32	80.35	31.160		
15,100.00	12,740.00	14,215.36	11,867.21	60.54	61.59	68.94	-2,468.47	-2,004.91	2,503.09	2,421.13	81.96	30.541		
15,200.00	12,740.00	14,315.34	11,869.12	61.65	62.91	68.99	-2,568.43	-2,004.03	2,502.51	2,418.91	83.60	29.934		
15,300.00	12,740.00	14,415.32	11,871.03	62.79	64.25	69.03	-2,668.38	-2,003.15	2,501.93	2,416.66	85.27	29.343		
15,400.00	12,740.00	14,515.30	11,872.94	63.94	65.61	69.07	-2,768.34	-2,002.28	2,501.35	2,414.39	86.96	28.765		
15,500.00	12,740.00	14,615.29	11,874.86	65.12	66.98	69.11	-2,868.30	-2,001.40	2,500.77	2,412.10	88.67	28.202		
15,600.00	12,740.00	14,715.27	11,876.77	66.32	68.36	69.15	-2,968.26	-2,000.52	2,500.20	2,409.78	90.41	27.653		
15,700.00	12,740.00	14,815.25	11,878.68	67.54	69.76	69.20	-3,068.22	-1,999.64	2,499.62	2,407.45	92.18	27.118		
15,800.00	12,740.00	14,915.23	11,880.59	68.78	71.16	69.24	-3,168.18	-1,998.76	2,499.05	2,405.09	93.96	26.598		
15,900.00	12,740.00	15,015.21	11,882.50	70.04	72.58	69.28	-3,268.14	-1,997.88	2,498.48	2,402.72	95.76	26.091		
16,000.00	12,740.00	15,115.19	11,884.42	71.31	74.00	69.32	-3,368.10	-1,997.00	2,497.91	2,400.33	97.58	25.599		
16,100.00	12,740.00	15,215.17	11,886.33	72.59	75.43	69.36	-3,468.06	-1,996.12	2,497.34	2,397.92	99.42	25.120		
16,200.00	12,740.00	15,325.21	11,888.68	73.89	77.04	69.41	-3,579.06	-1,995.15	2,496.71	2,395.34	101.38	24.628		
16,300.00	12,740.00	15,433.64	11,892.90	75.21	78.60	69.51	-3,686.41	-1,994.20	2,495.43	2,392.09	103.34	24.147		
16,400.00	12,740.00	15,533.56	11,896.92	76.53	80.06	69.59	-3,786.24	-1,993.32	2,494.13	2,388.88	105.25	23.697		
16,500.00	12,740.00	15,633.48	11,900.95	77.87	81.53	69.68	-3,886.08	-1,992.45	2,492.84	2,385.66	107.18	23.259		
16,600.00	12,740.00	15,733.40	11,904.97	79.22	83.01	69.77	-3,985.91	-1,991.57	2,491.55	2,382.43	109.11	22.834		
16,700.00	12,740.00	15,833.32	11,908.99	80.59	84.49	69.86	-4,085.75	-1,990.69	2,490.26	2,379.20	111.07	22.421		
16,800.00	12,740.00	15,933.24	11,913.02	81.96	85.98	69.94	-4,185.58	-1,989.82	2,488.98	2,375.95	113.03	22.020		
16,900.00	12,740.00	16,033.16	11,917.04	83.34	87.47	70.03	-4,285.41	-1,988.94	2,487.71	2,372.70	115.01	21.631		
17,000.00	12,740.00	16,133.07	11,921.07	84.74	88.97	70.12	-4,385.25	-1,988.06	2,486.44	2,369.45	117.00	21.252		
17,100.00	12,740.00	16,232.99	11,925.09	86.14	90.48	70.21	-4,485.08	-1,987.18	2,485.18	2,366.19	119.00	20.884		
17,200.00	12,740.00	16,332.91	11,929.11	87.55	91.99	70.30	-4,584.92	-1,986.31	2,483.93	2,362.92	121.01	20.527		
17,300.00	12,740.00	16,432.83	11,933.14	88.97	93.50	70.39	-4,684.75	-1,985.43	2,482.68	2,359.65	123.03	20.179		
17,400.00	12,740.00	16,532.75	11,937.16	90.39	95.02	70.47	-4,784.58	-1,984.55	2,481.44	2,356.37	125.06	19.841		
17,500.00	12,740.00	16,632.67	11,941.18	91.83	96.55	70.56	-4,884.42	-1,983.67	2,480.20	2,353.09	127.11	19.513		
17,600.00	12,740.00	16,732.59	11,945.21	93.27	98.07	70.65	-4,984.25	-1,982.80	2,478.97	2,349.81	129.16	19.193		
17,700.00	12,740.00	16,832.51	11,949.23	94.72	99.61	70.74	-5,084.09	-1,981.92	2,477.75	2,346.53	131.22	18.883		
17,800.00	12,740.00	16,932.42	11,953.26	96.17	101.14	70.83	-5,183.92	-1,981.04	2,476.53	2,343.24	133.29	18.580		
17,900.00	12,740.00	17,032.34	11,957.28	97.64	102.68	70.92	-5,283.75	-1,980.17	2,475.31	2,339.95	135.36	18.286		
18,000.00	12,740.00	17,132.26	11,961.30	99.10	104.22	71.01	-5,383.59	-1,979.29	2,474.11	2,336.66	137.45	18.000		
18,100.00	12,740.00	17,232.18	11,965.33	100.58	105.77	71.09	-5,483.42	-1,978.41	2,472.91	2,333.37	139.54	17.722		
18,200.00	12,740.00	17,332.10	11,969.35	102.05	107.32	71.18	-5,583.26	-1,977.53	2,471.71	2,330.07	141.64	17.451		
18,300.00	12,740.00	17,432.02	11,973.37	103.54	108.87	71.27	-5,683.09	-1,976.66	2,470.52	2,326.78	143.74	17.187		
18,400.00	12,740.00	17,531.94	11,977.40	105.03	110.42	71.36	-5,782.92	-1,975.78	2,469.34	2,323.48	145.86	16.930		
18,500.00	12,740.00	17,631.86	11,981.42	106.52	111.98	71.45	-5,882.76	-1,974.90	2,468.16	2,320.18	147.98	16.679		
18,600.00	12,740.00	17,731.78	11,985.45	108.02	113.54	71.54	-5,982.59	-1,974.02	2,466.99	2,316.89	150.10	16.435		
18,700.00	12,740.00	17,831.69	11,989.47	109.52	115.10	71.63	-6,082.42	-1,973.15	2,465.82	2,313.59	152.24	16.197		
18,800.00	12,740.00	17,931.61	11,993.49	111.03	116.67	71.72	-6,182.26	-1,972.27	2,464.67	2,310.29	154.37	15.965		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 602H - OH - Plan #6		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1425-OWSG (Rev2) MWD, 12083-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
18,900.00	12,740.00	18,031.53	11,997.52	112.54	118.23	71.81	-6,282.09	-1,971.39	2,463.51	2,306.99	156.52	15.739				
19,000.00	12,740.00	18,131.45	12,001.54	114.05	119.80	71.90	-6,381.93	-1,970.51	2,462.37	2,303.70	158.67	15.519				
19,100.00	12,740.00	18,231.37	12,005.57	115.57	121.37	71.99	-6,481.76	-1,969.64	2,461.22	2,300.40	160.83	15.304				
19,200.00	12,740.00	18,331.29	12,009.59	117.09	122.95	72.08	-6,581.59	-1,968.76	2,460.09	2,297.10	162.99	15.094				
19,300.00	12,740.00	18,431.21	12,013.61	118.62	124.52	72.17	-6,681.43	-1,967.88	2,458.96	2,293.81	165.15	14.889				
19,400.00	12,740.00	18,531.13	12,017.64	120.15	126.10	72.26	-6,781.26	-1,967.01	2,457.84	2,290.52	167.32	14.689				
19,500.00	12,740.00	18,631.04	12,021.66	121.68	127.68	72.35	-6,881.10	-1,966.13	2,456.72	2,287.22	169.50	14.494				
19,600.00	12,740.00	18,730.96	12,025.68	123.21	129.26	72.44	-6,980.93	-1,965.25	2,455.61	2,283.93	171.68	14.303				
19,700.00	12,740.00	18,830.88	12,029.71	124.75	130.84	72.53	-7,080.76	-1,964.37	2,454.51	2,280.64	173.87	14.117				
19,800.00	12,740.00	18,930.80	12,033.73	126.29	132.43	72.62	-7,180.60	-1,963.50	2,453.41	2,277.35	176.06	13.935				
19,900.00	12,740.00	19,040.72	12,038.53	127.84	134.17	72.73	-7,290.41	-1,962.53	2,452.23	2,273.86	178.36	13.749				
20,000.00	12,740.00	19,140.57	12,043.92	129.38	135.76	72.85	-7,390.11	-1,961.65	2,450.74	2,270.15	180.58	13.571				
20,100.00	12,740.00	19,240.43	12,049.31	130.93	137.35	72.97	-7,489.82	-1,960.78	2,449.26	2,266.44	182.81	13.398				
20,200.00	12,740.00	19,340.28	12,054.70	132.48	138.94	73.09	-7,589.52	-1,959.90	2,447.79	2,262.75	185.04	13.228				
20,300.00	12,740.00	19,440.14	12,060.09	134.04	140.53	73.21	-7,689.22	-1,959.03	2,446.33	2,259.05	187.28	13.063				
20,400.00	12,740.00	19,539.99	12,065.48	135.59	142.12	73.34	-7,788.93	-1,958.15	2,444.88	2,255.37	189.52	12.901				
20,500.00	12,740.00	19,639.84	12,070.87	137.15	143.72	73.46	-7,888.63	-1,957.27	2,443.45	2,251.69	191.76	12.742				
20,600.00	12,740.00	19,739.70	12,076.25	138.71	145.31	73.58	-7,988.34	-1,956.40	2,442.03	2,248.02	194.01	12.587				
20,700.00	12,740.00	19,839.55	12,081.64	140.27	146.91	73.70	-8,088.04	-1,955.52	2,440.61	2,244.35	196.26	12.436				
20,800.00	12,740.00	19,939.41	12,087.03	141.84	148.50	73.82	-8,187.75	-1,954.65	2,439.21	2,240.69	198.52	12.287				
20,900.00	12,740.00	20,039.26	12,092.42	143.41	150.10	73.95	-8,287.45	-1,953.77	2,437.82	2,237.04	200.78	12.142				
21,000.00	12,740.00	20,139.12	12,097.81	144.97	151.70	74.07	-8,387.16	-1,952.89	2,436.44	2,233.40	203.04	12.000				
21,100.00	12,740.00	20,238.97	12,103.20	146.54	153.30	74.19	-8,486.86	-1,952.02	2,435.07	2,229.77	205.31	11.861				
21,200.00	12,740.00	20,338.82	12,108.59	148.12	154.91	74.31	-8,586.57	-1,951.14	2,433.71	2,226.14	207.58	11.724				
21,300.00	12,740.00	20,438.68	12,113.98	149.69	156.51	74.44	-8,686.27	-1,950.26	2,432.37	2,222.52	209.85	11.591				
21,400.00	12,740.00	20,538.53	12,119.37	151.26	158.11	74.56	-8,785.98	-1,949.39	2,431.03	2,218.91	212.13	11.460				
21,500.00	12,740.00	20,638.39	12,124.76	152.84	159.72	74.68	-8,885.68	-1,948.51	2,429.71	2,215.30	214.41	11.332				
21,600.00	12,740.00	20,738.24	12,130.15	154.42	161.32	74.81	-8,985.39	-1,947.64	2,428.40	2,211.71	216.69	11.207				
21,700.00	12,740.00	20,838.09	12,135.53	156.00	162.93	74.93	-9,085.09	-1,946.76	2,427.10	2,208.12	218.98	11.084				
21,800.00	12,740.00	20,937.95	12,140.92	157.58	164.53	75.05	-9,184.80	-1,945.88	2,425.81	2,204.54	221.27	10.963				
21,900.00	12,740.00	21,037.80	12,146.31	159.16	166.14	75.18	-9,284.50	-1,945.01	2,424.53	2,200.97	223.56	10.845				
22,000.00	12,740.00	21,137.66	12,151.70	160.75	167.75	75.30	-9,384.21	-1,944.13	2,423.26	2,197.41	225.86	10.729				
22,100.00	12,740.00	21,237.51	12,157.09	162.33	169.36	75.43	-9,483.91	-1,943.26	2,422.01	2,193.85	228.15	10.616				
22,200.00	12,740.00	21,337.37	12,162.48	163.92	170.97	75.55	-9,583.62	-1,942.38	2,420.76	2,190.31	230.46	10.504				
22,300.00	12,740.00	21,437.22	12,167.87	165.51	172.58	75.67	-9,683.32	-1,941.50	2,419.53	2,186.77	232.76	10.395				
22,400.00	12,740.00	21,537.07	12,173.26	167.10	174.19	75.80	-9,783.03	-1,940.63	2,418.31	2,183.24	235.07	10.288				
22,500.00	12,740.00	21,636.93	12,178.65	168.69	175.80	75.92	-9,882.73	-1,939.75	2,417.10	2,179.72	237.38	10.183				
22,600.00	12,740.00	21,736.78	12,184.04	170.28	177.42	76.05	-9,982.44	-1,938.87	2,415.90	2,176.21	239.69	10.079				
22,700.00	12,740.00	21,836.90	12,192.75	171.87	179.39	76.25	-10,104.23	-1,937.80	2,414.31	2,172.03	242.28	9.965				
22,800.00	12,740.00	21,960.27	12,202.43	173.47	181.03	76.47	-10,205.13	-1,936.92	2,412.16	2,167.46	244.69	9.858				
22,874.14	12,740.00	22,034.07	12,209.49	174.65	182.22	76.64	-10,278.59	-1,936.27	2,410.58	2,164.11	246.47	9.780 SF				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	16.00	16.00	0.00	0.00	-74.57	504.74	-1,829.21	1,897.60					
100.00	100.00	100.00	99.98	0.13	0.16	-74.56	505.60	-1,830.04	1,898.78	1,898.59	0.19	N/A		
200.00	200.00	203.30	203.26	0.48	0.50	-74.53	506.75	-1,831.43	1,900.39	1,899.70	0.69	2,737.460		
300.00	300.00	300.00	299.95	0.84	0.84	-74.53	507.28	-1,832.75	1,901.84	1,900.65	1.19	1,597.798		
400.00	400.00	383.39	383.32	1.20	1.14	-74.55	507.06	-1,834.38	1,903.67	1,902.01	1.65	1,150.810		
500.00	500.00	473.57	473.47	1.56	1.46	-74.57	507.05	-1,836.68	1,906.13	1,903.99	2.14	892.324		
600.00	600.00	551.00	550.84	1.92	1.74	-74.60	506.73	-1,839.62	1,909.63	1,907.04	2.59	737.946		
700.00	700.00	647.09	646.85	2.28	2.09	-74.64	506.41	-1,843.63	1,913.57	1,910.49	3.08	620.336		
800.00	800.00	782.96	782.63	2.63	2.58	-74.70	505.85	-1,848.60	1,917.06	1,913.38	3.68	520.857		
900.00	900.00	884.48	884.10	2.99	2.95	-74.74	505.03	-1,851.38	1,919.49	1,915.30	4.19	457.979		
1,000.00	1,000.00	995.13	994.72	3.35	3.35	-74.80	503.69	-1,853.89	1,921.36	1,916.63	4.72	406.706		
1,100.00	1,100.00	1,092.03	1,091.58	3.71	3.69	-74.86	502.26	-1,855.91	1,922.99	1,917.77	5.22	368.222		
1,200.00	1,200.00	1,194.09	1,193.60	4.07	4.06	-74.92	500.62	-1,858.42	1,924.95	1,919.22	5.73	335.683		
1,300.00	1,300.00	1,300.67	1,300.16	4.43	4.44	-74.96	499.70	-1,860.35	1,926.47	1,920.21	6.26	307.838		
1,400.00	1,400.00	1,406.86	1,406.33	4.79	4.65	-74.99	499.19	-1,861.86	1,927.72	1,921.06	6.66	289.538		
1,500.00	1,500.00	1,513.07	1,512.54	5.14	4.71	-75.00	499.19	-1,862.82	1,928.60	1,921.64	6.96	277.154		
1,600.00	1,600.00	1,616.83	1,616.30	5.50	4.76	-75.01	499.07	-1,863.53	1,929.22	1,921.96	7.26	265.580		
1,700.00	1,700.00	1,721.86	1,721.33	5.86	4.85	-75.01	498.96	-1,863.97	1,929.61	1,922.01	7.59	254.092		
1,800.00	1,800.00	1,822.33	1,821.79	6.22	4.96	-75.02	498.97	-1,864.22	1,929.85	1,921.91	7.94	243.039		
1,900.00	1,900.00	1,921.96	1,921.42	6.58	5.09	-75.01	499.09	-1,864.48	1,930.13	1,921.82	8.30	232.476		
2,000.00	2,000.00	2,023.74	2,023.20	6.94	5.24	-75.01	499.15	-1,864.66	1,930.32	1,921.64	8.68	222.377		
2,100.00	2,100.00	2,123.35	2,122.81	7.29	5.41	-75.00	499.51	-1,864.76	1,930.51	1,921.44	9.07	212.916		
2,200.00	2,200.00	2,224.86	2,224.33	7.65	5.59	-74.99	500.04	-1,864.79	1,930.67	1,921.21	9.47	203.976		
2,300.00	2,299.99	2,326.71	2,326.17	8.01	5.79	-136.87	500.64	-1,864.69	1,931.69	1,921.82	9.87	195.729		
2,400.00	2,399.91	2,427.81	2,427.27	8.36	6.00	-136.89	501.51	-1,864.44	1,934.54	1,924.26	10.28	188.233		
2,471.49	2,471.26	2,500.38	2,499.83	8.61	6.16	-136.93	502.16	-1,864.22	1,937.71	1,927.14	10.57	183.240		
2,500.00	2,499.70	2,529.48	2,528.93	8.71	6.23	-136.96	502.44	-1,864.11	1,939.16	1,928.46	10.69	181.321		
2,600.00	2,599.45	2,614.45	2,613.90	9.06	6.43	-137.07	503.01	-1,864.05	1,944.48	1,933.39	11.10	175.235		
2,700.00	2,699.19	2,691.03	2,690.47	9.42	6.62	-137.20	502.46	-1,865.13	1,950.88	1,939.39	11.49	169.779		
2,800.00	2,798.94	2,773.06	2,772.46	9.78	6.83	-137.37	501.16	-1,867.51	1,958.49	1,946.60	11.90	164.627		
2,900.00	2,898.69	2,881.99	2,881.32	10.13	7.11	-137.59	499.64	-1,870.80	1,966.32	1,953.97	12.35	159.205		
3,000.00	2,998.44	2,978.26	2,977.56	10.49	7.38	-137.78	498.19	-1,873.17	1,973.62	1,960.83	12.79	154.311		
3,100.00	3,098.18	3,050.59	3,049.81	10.85	7.58	-137.95	496.28	-1,875.86	1,981.89	1,968.70	13.19	150.253		
3,200.00	3,197.93	3,122.00	3,121.03	11.22	7.78	-138.16	493.42	-1,880.09	1,991.90	1,978.31	13.59	146.576		
3,300.00	3,297.68	3,172.93	3,171.72	11.58	7.94	-138.33	490.74	-1,884.24	2,003.76	1,989.81	13.95	143.665		
3,400.00	3,397.43	3,233.25	3,231.59	11.94	8.12	-138.56	486.88	-1,890.46	2,017.66	2,003.34	14.32	140.898		
3,500.00	3,497.17	3,311.00	3,308.51	12.30	8.37	-138.90	480.94	-1,900.14	2,033.37	2,018.64	14.73	138.033		
3,600.00	3,596.92	3,380.80	3,377.38	12.67	8.60	-139.21	474.98	-1,909.79	2,050.30	2,035.18	15.12	135.560		
3,700.00	3,696.67	3,493.27	3,488.37	13.03	8.98	-139.71	465.53	-1,925.33	2,067.53	2,051.90	15.63	132.307		
3,800.00	3,796.42	3,583.48	3,577.52	13.40	9.29	-140.08	458.68	-1,937.29	2,084.45	2,068.37	16.08	129.658		
3,900.00	3,896.16	3,640.74	3,634.00	13.76	9.49	-140.32	454.15	-1,945.51	2,102.52	2,086.08	16.44	127.892		
4,000.00	3,995.91	3,689.00	3,681.42	14.13	9.67	-140.54	450.03	-1,953.50	2,122.74	2,105.97	16.77	126.570		
4,100.00	4,095.66	3,751.52	3,742.60	14.50	9.90	-140.82	444.51	-1,965.08	2,144.92	2,127.78	17.14	125.136		
4,200.00	4,195.41	3,816.15	3,805.63	14.86	10.15	-141.12	438.85	-1,978.23	2,168.88	2,151.36	17.51	123.840		
4,300.00	4,295.15	3,891.32	3,878.80	15.23	10.45	-141.45	432.66	-1,994.29	2,194.03	2,176.11	17.92	122.443		
4,400.00	4,394.90	3,977.05	3,962.18	15.60	10.81	-141.82	425.98	-2,013.10	2,219.93	2,201.57	18.36	120.912		
4,500.00	4,494.65	4,102.31	4,084.06	15.97	11.33	-142.34	416.23	-2,040.27	2,245.77	2,226.83	18.94	118.579		
4,600.00	4,594.40	4,454.01	4,429.82	16.34	12.75	-143.73	385.21	-2,094.98	2,266.16	2,245.95	20.21	112.122		
4,700.00	4,694.15	4,544.57	4,519.79	16.70	13.09	-144.00	379.70	-2,103.72	2,280.63	2,259.95	20.68	110.274		
4,800.00	4,793.89	4,641.08	4,615.72	17.07	13.45	-144.25	374.70	-2,113.06	2,295.30	2,274.14	21.17	108.436		
4,900.00	4,893.64	4,771.30	4,745.34	17.44	13.93	-144.56	369.09	-2,124.18	2,308.91	2,287.17	21.74	106.187		
5,000.00	4,993.39	4,858.19	4,831.83	17.81	14.25	-144.77	365.13	-2,131.45	2,322.45	2,300.25	22.20	104.594		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
5,100.00	5,093.14	4,957.74	4,930.85	18.18	14.62	-145.02	360.09	-2,140.43	2,336.62	2,313.92	22.70	102.931				
5,200.00	5,192.88	5,048.63	5,021.29	18.55	14.96	-145.25	355.49	-2,148.22	2,350.42	2,327.24	23.17	101.420				
5,300.00	5,292.63	5,105.00	5,077.29	18.92	15.17	-145.41	351.95	-2,153.60	2,365.27	2,341.72	23.55	100.441				
5,400.00	5,392.38	5,171.18	5,142.85	19.29	15.43	-145.61	346.89	-2,161.03	2,381.65	2,357.70	23.95	99.440				
5,500.00	5,492.13	5,225.62	5,196.57	19.66	15.66	-145.81	341.95	-2,168.36	2,399.99	2,375.68	24.31	98.719				
5,600.00	5,591.87	5,294.00	5,263.79	20.03	15.95	-146.06	335.18	-2,178.90	2,420.15	2,395.43	24.71	97.923				
5,700.00	5,691.62	5,359.70	5,328.21	20.40	16.24	-146.31	328.32	-2,189.85	2,441.57	2,416.46	25.11	97.245				
5,800.00	5,791.37	5,451.10	5,417.74	20.77	16.64	-146.66	318.53	-2,205.41	2,463.55	2,437.96	25.59	96.266				
5,900.00	5,891.12	5,556.20	5,520.68	21.14	17.11	-147.06	307.11	-2,223.24	2,485.58	2,459.46	26.13	95.138				
6,000.00	5,990.86	5,647.48	5,610.12	21.52	17.51	-147.41	297.12	-2,238.55	2,507.50	2,480.89	26.61	94.227				
6,100.00	6,090.61	5,741.22	5,701.90	21.89	17.93	-147.76	286.73	-2,254.51	2,529.77	2,502.66	27.11	93.328				
6,200.00	6,190.36	5,882.75	5,840.70	22.26	18.56	-148.27	271.49	-2,277.55	2,551.46	2,523.69	27.78	91.857				
6,300.00	6,290.11	6,019.65	5,975.46	22.63	19.16	-148.72	257.67	-2,297.29	2,571.38	2,542.96	28.42	90.466				
6,400.00	6,389.85	6,132.00	6,086.15	23.00	19.64	-149.10	245.64	-2,312.31	2,590.33	2,561.35	28.98	89.372				
6,500.00	6,489.60	6,244.76	6,197.29	23.37	20.13	-149.48	233.21	-2,326.77	2,608.85	2,579.30	29.55	88.298				
6,600.00	6,589.35	6,339.03	6,290.22	23.74	20.53	-149.80	222.78	-2,338.65	2,627.22	2,597.18	30.04	87.444				
6,700.00	6,689.10	6,436.65	6,386.44	24.12	20.95	-150.13	211.89	-2,351.05	2,645.78	2,615.23	30.56	86.591				
6,800.00	6,788.84	6,551.52	6,499.89	24.49	21.43	-150.47	200.57	-2,365.01	2,663.86	2,632.74	31.12	85.593				
6,900.00	6,888.59	6,639.20	6,586.65	24.86	21.80	-150.69	193.75	-2,375.64	2,682.02	2,650.42	31.59	84.890				
7,000.00	6,988.34	6,729.37	6,675.90	25.23	22.17	-150.89	187.66	-2,386.96	2,700.64	2,668.57	32.07	84.204				
7,069.58	7,057.74	6,811.74	6,757.47	25.49	22.52	-151.07	182.28	-2,397.15	2,713.49	2,681.02	32.47	83.565				
7,100.00	7,088.09	6,855.57	6,800.90	25.60	22.70	-151.20	179.43	-2,402.33	2,718.85	2,686.18	32.67	83.216				
7,200.00	7,187.97	6,992.28	6,936.53	25.97	23.25	-151.57	170.76	-2,417.14	2,734.02	2,700.72	33.30	82.100				
7,300.00	7,287.93	7,111.02	7,054.52	26.33	23.72	-151.83	163.98	-2,428.58	2,745.71	2,711.85	33.87	81.077				
7,341.07	7,329.00	7,144.74	7,088.04	26.47	23.85	-90.01	162.32	-2,431.81	2,749.85	2,715.80	34.05	80.763				
7,400.00	7,387.93	7,195.65	7,138.66	26.67	24.05	-90.06	160.13	-2,436.85	2,755.68	2,721.36	34.32	80.298				
7,500.00	7,487.93	7,300.65	7,243.03	27.02	24.46	-90.15	155.68	-2,447.35	2,765.71	2,730.88	34.83	79.397				
7,600.00	7,587.93	7,454.72	7,396.35	27.37	25.05	-90.29	149.19	-2,461.05	2,774.66	2,739.17	35.50	78.163				
7,700.00	7,687.93	7,574.95	7,516.20	27.72	25.49	-90.35	145.91	-2,470.02	2,782.14	2,746.09	36.05	77.169				
7,800.00	7,787.93	7,713.57	7,654.51	28.06	25.99	-90.39	143.98	-2,479.05	2,788.70	2,752.05	36.65	76.088				
7,900.00	7,887.93	7,878.37	7,819.12	28.41	26.55	-90.43	142.26	-2,486.48	2,793.19	2,755.88	37.31	74.869				
8,000.00	7,987.93	8,032.47	7,973.18	28.76	27.06	-90.45	141.18	-2,490.35	2,795.74	2,757.82	37.92	73.724				
8,100.00	8,087.93	8,136.76	8,077.44	29.11	27.39	-90.42	142.27	-2,491.84	2,797.16	2,758.75	38.41	72.823				
8,200.00	8,187.93	8,242.46	8,183.13	29.46	27.72	-90.40	143.57	-2,493.18	2,798.42	2,759.52	38.90	71.936				
8,300.00	8,287.93	8,359.69	8,300.35	29.81	28.08	-90.38	144.48	-2,494.16	2,799.26	2,759.84	39.42	71.017				
8,400.00	8,387.93	8,479.22	8,419.88	30.16	28.44	-90.37	144.97	-2,494.34	2,799.40	2,759.47	39.93	70.107				
8,500.00	8,487.93	8,587.51	8,528.17	30.51	28.76	-90.36	145.34	-2,493.94	2,799.03	2,758.62	40.41	69.260				
8,600.00	8,587.93	8,697.16	8,637.81	30.86	29.07	-90.36	145.54	-2,493.24	2,798.39	2,757.49	40.90	68.423				
8,700.00	8,687.93	8,818.65	8,759.29	31.21	29.42	-90.37	145.18	-2,491.70	2,797.12	2,755.71	41.41	67.555				
8,800.00	8,787.93	8,927.89	8,868.52	31.56	29.73	-90.37	145.10	-2,489.74	2,795.32	2,753.43	41.89	66.730				
8,900.00	8,887.93	9,028.64	8,969.24	31.91	30.02	-90.35	145.80	-2,487.74	2,793.33	2,750.97	42.36	65.943				
9,000.00	8,987.93	9,128.18	9,068.76	32.26	30.30	-90.33	146.83	-2,485.82	2,791.39	2,748.57	42.83	65.178				
9,100.00	9,087.93	9,232.27	9,172.82	32.61	30.60	-90.30	148.26	-2,483.74	2,789.39	2,746.09	43.30	64.414				
9,200.00	9,187.93	9,341.04	9,281.55	32.96	30.92	-90.27	149.75	-2,481.31	2,787.15	2,743.36	43.79	63.650				
9,300.00	9,287.93	9,438.56	9,379.04	33.31	31.20	-90.25	151.03	-2,479.00	2,784.78	2,740.52	44.26	62.926				
9,400.00	9,387.93	9,536.00	9,476.44	33.66	31.48	-90.22	152.47	-2,476.77	2,782.48	2,737.76	44.72	62.217				
9,500.00	9,487.93	9,589.55	9,529.97	34.01	31.64	-90.20	153.24	-2,476.02	2,781.08	2,735.96	45.12	61.643				
9,533.00	9,520.93	9,607.01	9,547.44	34.13	31.70	-90.20	153.49	-2,475.97	2,780.98	2,735.74	45.24	61.468				
9,600.00	9,587.93	9,649.41	9,589.83	34.36	31.83	-90.18	154.09	-2,476.21	2,781.34	2,735.82	45.51	61.109				
9,700.00	9,687.93	9,738.57	9,678.98	34.72	32.12	-90.15	155.49	-2,477.25	2,782.48	2,736.51	45.98	60.520				
9,800.00	9,787.93	9,871.41	9,811.80	35.07	32.54	-90.11	157.42	-2,478.28	2,783.29	2,736.76	46.53	59.818				
9,900.00	9,887.93	9,977.51	9,917.89	35.42	32.87	-90.09	158.75	-2,478.03	2,783.04	2,736.02	47.02	59.186				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,942.83	9,930.77	10,016.44	9,956.82	35.57	32.99	-90.08	159.32	-2,478.02	2,783.02	2,735.80	47.22	58.937		
10,000.00	9,987.93	10,075.04	10,015.40	35.77	33.17	-90.06	160.13	-2,478.02	2,783.02	2,735.52	47.50	58.592		
10,049.67	10,037.61	10,123.74	10,064.11	35.95	33.33	-90.05	160.64	-2,478.00	2,783.00	2,735.26	47.74	58.299		
10,100.00	10,087.93	10,170.36	10,110.73	36.12	33.48	-90.05	160.55	-2,478.03	2,783.03	2,735.06	47.97	58.012		
10,200.00	10,187.93	10,251.42	10,191.77	36.48	33.74	-90.08	159.18	-2,478.35	2,783.45	2,735.02	48.42	57.482		
10,300.00	10,287.93	10,333.22	10,273.54	36.83	34.02	-90.11	157.45	-2,479.33	2,784.64	2,735.76	48.88	56.974		
10,400.00	10,387.93	10,433.31	10,373.59	37.18	34.36	-90.17	154.97	-2,480.93	2,786.24	2,736.87	49.37	56.434		
10,500.00	10,487.93	10,545.96	10,486.20	37.53	34.74	-90.22	152.18	-2,482.27	2,787.44	2,737.54	49.90	55.865		
10,600.00	10,587.93	10,653.49	10,593.70	37.89	35.10	-90.27	150.09	-2,483.20	2,788.31	2,737.90	50.41	55.315		
10,700.00	10,687.93	10,735.08	10,675.29	38.24	35.38	-90.28	149.42	-2,484.01	2,789.32	2,738.45	50.86	54.842		
10,800.00	10,787.93	10,820.34	10,760.53	38.59	35.67	-90.30	148.63	-2,485.48	2,791.03	2,739.71	51.32	54.382		
10,900.00	10,887.93	10,894.88	10,835.04	38.94	35.93	-90.32	147.47	-2,487.14	2,793.31	2,741.55	51.76	53.969		
11,000.00	10,987.93	10,952.00	10,892.13	39.30	36.13	-90.33	147.05	-2,489.09	2,796.81	2,744.66	52.14	53.636		
11,100.00	11,087.93	11,023.56	10,963.60	39.65	36.38	-90.35	146.08	-2,492.43	2,801.55	2,748.98	52.57	53.297		
11,200.00	11,187.93	11,175.27	11,115.07	40.00	36.93	-90.45	141.21	-2,499.52	2,806.36	2,753.15	53.21	52.743		
11,300.00	11,287.93	11,312.64	11,252.25	40.36	37.42	-90.57	135.24	-2,503.43	2,809.25	2,755.45	53.80	52.212		
11,400.00	11,387.93	11,437.88	11,377.26	40.71	37.86	-90.71	128.20	-2,505.50	2,810.96	2,756.60	54.37	51.705		
11,500.00	11,487.93	11,705.00	11,638.20	41.07	38.80	-91.75	77.26	-2,498.86	2,807.90	2,752.68	55.22	50.849		
11,600.00	11,587.93	11,770.48	11,696.66	41.42	39.04	-92.21	54.92	-2,496.35	2,804.73	2,749.05	55.67	50.377		
11,700.00	11,687.93	11,846.00	11,767.60	41.77	39.33	-92.88	22.33	-2,492.90	2,801.94	2,745.79	56.15	49.900		
11,778.43	11,766.37	11,862.06	11,781.47	42.05	39.40	-93.04	14.26	-2,492.44	2,801.41	2,744.99	56.42	49.654		
11,800.00	11,787.93	11,868.25	11,786.79	42.13	39.42	-93.11	11.09	-2,492.30	2,801.56	2,745.07	56.49	49.591		
11,900.00	11,887.93	11,894.00	11,808.69	42.48	39.53	-93.39	-2.46	-2,492.02	2,803.91	2,747.09	56.82	49.349		
12,000.00	11,987.93	11,894.00	11,808.69	42.83	39.53	-93.39	-2.46	-2,492.02	2,809.45	2,752.42	57.03	49.261		
12,100.00	12,087.93	11,948.04	11,852.29	43.19	39.77	-94.03	-34.32	-2,492.68	2,816.85	2,759.45	57.40	49.070		
12,179.11	12,167.04	11,985.00	11,879.58	43.47	39.94	-94.54	-59.18	-2,494.04	2,825.34	2,767.68	57.66	48.998 SF		
12,200.00	12,187.93	11,985.00	11,879.58	43.54	39.94	85.79	-59.18	-2,494.04	2,827.71	2,770.02	57.69	49.015		
12,250.00	12,237.75	11,985.00	11,879.58	43.70	39.94	85.18	-59.18	-2,494.04	2,833.77	2,776.03	57.74	49.075		
12,300.00	12,287.04	11,985.00	11,879.58	43.85	39.94	84.52	-59.18	-2,494.04	2,840.34	2,782.55	57.79	49.152		
12,350.00	12,335.41	11,985.00	11,879.58	44.00	39.94	83.82	-59.18	-2,494.04	2,847.35	2,789.53	57.82	49.245		
12,400.00	12,382.50	11,985.00	11,879.58	44.14	39.94	83.07	-59.18	-2,494.04	2,854.76	2,796.92	57.84	49.354		
12,450.00	12,427.95	11,985.00	11,879.58	44.27	39.94	82.30	-59.18	-2,494.04	2,862.51	2,804.65	57.86	49.475		
12,500.00	12,471.42	11,985.00	11,879.58	44.39	39.94	81.49	-59.18	-2,494.04	2,870.53	2,812.66	57.87	49.604		
12,550.00	12,512.57	11,985.00	11,879.58	44.50	39.94	80.67	-59.18	-2,494.04	2,878.76	2,820.88	57.88	49.741		
12,600.00	12,551.09	11,985.00	11,879.58	44.59	39.94	79.83	-59.18	-2,494.04	2,887.14	2,829.26	57.88	49.881		
12,650.00	12,586.68	11,985.00	11,879.58	44.68	39.94	78.99	-59.18	-2,494.04	2,895.60	2,837.71	57.89	50.022		
12,700.00	12,619.09	11,985.00	11,879.58	44.76	39.94	78.14	-59.18	-2,494.04	2,904.07	2,846.18	57.90	50.159		
12,750.00	12,648.05	11,985.00	11,879.58	44.84	39.94	77.31	-59.18	-2,494.04	2,912.50	2,854.59	57.91	50.291		
12,800.00	12,673.35	11,985.00	11,879.58	44.93	39.94	76.49	-59.18	-2,494.04	2,920.82	2,862.88	57.94	50.413		
12,850.00	12,694.80	11,985.00	11,879.58	45.04	39.94	75.69	-59.18	-2,494.04	2,928.97	2,870.99	57.97	50.523		
12,900.00	12,712.23	11,985.00	11,879.58	45.16	39.94	74.91	-59.18	-2,494.04	2,936.88	2,878.86	58.02	50.619		
12,950.00	12,725.51	11,985.00	11,879.58	45.28	39.94	74.17	-59.18	-2,494.04	2,944.50	2,886.42	58.08	50.699		
13,000.00	12,734.55	11,985.00	11,879.58	45.41	39.94	73.46	-59.18	-2,494.04	2,951.78	2,893.63	58.15	50.760		
13,050.00	12,739.26	11,985.00	11,879.58	45.54	39.94	72.80	-59.18	-2,494.04	2,958.65	2,900.41	58.24	50.803		
13,079.11	12,740.00	11,985.00	11,879.58	45.62	39.94	72.43	-59.18	-2,494.04	2,962.45	2,904.16	58.29	50.819		
13,100.00	12,740.00	11,985.00	11,879.58	45.68	39.94	72.43	-59.18	-2,494.04	2,965.19	2,906.86	58.34	50.829		
13,200.00	12,740.00	11,985.00	11,879.58	45.98	39.94	72.43	-59.18	-2,494.04	2,980.31	2,921.75	58.57	50.888		
13,300.00	12,740.00	11,985.00	11,879.58	46.34	39.94	72.43	-59.18	-2,494.04	2,998.69	2,939.86	58.83	50.975		
13,400.00	12,740.00	11,985.00	11,879.58	46.75	39.94	72.43	-59.18	-2,494.04	3,020.27	2,961.15	59.12	51.089		
13,500.00	12,740.00	11,985.00	11,879.58	47.22	39.94	72.43	-59.18	-2,494.04	3,044.99	2,985.55	59.43	51.233		
13,600.00	12,740.00	11,985.00	11,879.58	47.73	39.94	72.43	-59.18	-2,494.04	3,072.76	3,012.98	59.77	51.407		
13,700.00	12,740.00	11,985.00	11,879.58	48.30	39.94	72.43	-59.18	-2,494.04	3,103.50	3,043.37	60.13	51.612		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - OH		Offset Site Error:	0.00 usft
Survey Program:													16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Minimum Separation	Separation Factor				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)					
13,800.00	12,740.00	11,985.00	11,879.58	48.92	39.94	72.43	-59.18	-2,494.04	3,137.13	3,076.63	60.50	51.850				
13,900.00	12,740.00	11,985.00	11,879.58	49.58	39.94	72.43	-59.18	-2,494.04	3,173.56	3,112.68	60.89	52.121				
14,000.00	12,740.00	11,985.00	11,879.58	50.29	39.94	72.43	-59.18	-2,494.04	3,212.69	3,151.41	61.28	52.425				
14,100.00	12,740.00	11,985.00	11,879.58	51.04	39.94	72.43	-59.18	-2,494.04	3,254.43	3,192.75	61.68	52.763				
14,200.00	12,740.00	11,985.00	11,879.58	51.83	39.94	72.43	-59.18	-2,494.04	3,298.66	3,236.58	62.08	53.135				
14,300.00	12,740.00	11,985.00	11,879.58	52.66	39.94	72.43	-59.18	-2,494.04	3,345.31	3,282.82	62.48	53.540				
14,400.00	12,740.00	11,985.00	11,879.58	53.53	39.94	72.43	-59.18	-2,494.04	3,394.26	3,331.38	62.88	53.980				
14,500.00	12,740.00	11,985.00	11,879.58	54.44	39.94	72.43	-59.18	-2,494.04	3,445.41	3,382.14	63.27	54.452				
14,600.00	12,740.00	11,985.00	11,879.58	55.38	39.94	72.43	-59.18	-2,494.04	3,498.68	3,435.02	63.66	54.956				
14,700.00	12,740.00	11,985.00	11,879.58	56.35	39.94	72.43	-59.18	-2,494.04	3,553.96	3,489.92	64.04	55.492				
14,800.00	12,740.00	11,985.00	11,879.58	57.35	39.94	72.43	-59.18	-2,494.04	3,611.17	3,546.75	64.42	56.059				
14,900.00	12,740.00	11,985.00	11,879.58	58.39	39.94	72.43	-59.18	-2,494.04	3,670.21	3,605.43	64.78	56.656				
15,000.00	12,740.00	11,985.00	11,879.58	59.45	39.94	72.43	-59.18	-2,494.04	3,731.00	3,665.86	65.14	57.281				
15,100.00	12,740.00	11,985.00	11,879.58	60.54	39.94	72.43	-59.18	-2,494.04	3,793.44	3,727.96	65.48	57.933				
15,200.00	12,740.00	11,985.00	11,879.58	61.65	39.94	72.43	-59.18	-2,494.04	3,857.47	3,791.66	65.81	58.611				
15,300.00	12,740.00	11,985.00	11,879.58	62.79	39.94	72.43	-59.18	-2,494.04	3,923.01	3,856.87	66.14	59.315				
15,400.00	12,740.00	11,985.00	11,879.58	63.94	39.94	72.43	-59.18	-2,494.04	3,989.97	3,923.52	66.45	60.043				
15,500.00	12,740.00	11,985.00	11,879.58	65.12	39.94	72.43	-59.18	-2,494.04	4,058.30	3,991.54	66.76	60.794				
15,600.00	12,740.00	11,985.00	11,879.58	66.32	39.94	72.43	-59.18	-2,494.04	4,127.91	4,060.87	67.05	61.566				
15,700.00	12,740.00	11,985.00	11,879.58	67.54	39.94	72.43	-59.18	-2,494.04	4,198.76	4,131.43	67.33	62.360				
15,800.00	12,740.00	11,985.00	11,879.58	68.78	39.94	72.43	-59.18	-2,494.04	4,270.77	4,203.17	67.60	63.174				
15,900.00	12,740.00	11,985.00	11,879.58	70.04	39.94	72.43	-59.18	-2,494.04	4,343.89	4,276.02	67.87	64.007				
16,000.00	12,740.00	11,985.00	11,879.58	71.31	39.94	72.43	-59.18	-2,494.04	4,418.06	4,349.94	68.12	64.858				
16,100.00	12,740.00	11,985.00	11,879.58	72.59	39.94	72.43	-59.18	-2,494.04	4,493.23	4,424.87	68.36	65.726				
16,200.00	12,740.00	11,985.00	11,879.58	73.89	39.94	72.43	-59.18	-2,494.04	4,569.36	4,500.76	68.60	66.610				
16,300.00	12,740.00	11,985.00	11,879.58	75.21	39.94	72.43	-59.18	-2,494.04	4,646.39	4,577.56	68.83	67.510				
16,400.00	12,740.00	11,985.00	11,879.58	76.53	39.94	72.43	-59.18	-2,494.04	4,724.28	4,655.24	69.04	68.424				
16,500.00	12,740.00	11,985.00	11,879.58	77.87	39.94	72.43	-59.18	-2,494.04	4,802.99	4,733.73	69.26	69.352				
16,600.00	12,740.00	11,985.00	11,879.58	79.22	39.94	72.43	-59.18	-2,494.04	4,882.48	4,813.02	69.46	70.293				
16,700.00	12,740.00	11,985.00	11,879.58	80.59	39.94	72.43	-59.18	-2,494.04	4,962.71	4,893.06	69.65	71.249				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - Plan #5		Offset Site Error:	0.00 usft
Survey Program:													16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD, 2745-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
0.00	0.00	16.00	16.00	0.00	0.00	-74.57	504.74	-1,829.21	1,897.60							
100.00	100.00	100.00	99.98	0.13	0.16	-74.56	505.60	-1,830.04	1,898.78	1,898.59	0.19	N/A				
200.00	200.00	203.30	203.26	0.48	0.50	-74.53	506.75	-1,831.43	1,900.39	1,899.70	0.69	2,737.460				
300.00	300.00	300.00	299.95	0.84	0.84	-74.53	507.28	-1,832.75	1,901.84	1,900.65	1.19	1,597.798				
400.00	400.00	383.39	383.32	1.20	1.14	-74.55	507.06	-1,834.38	1,903.67	1,902.01	1.65	1,150.810				
500.00	500.00	473.57	473.47	1.56	1.46	-74.57	507.05	-1,836.68	1,906.13	1,903.99	2.14	892.324				
600.00	600.00	551.00	550.84	1.92	1.74	-74.60	506.73	-1,839.62	1,909.63	1,907.04	2.59	737.946				
700.00	700.00	647.09	646.85	2.28	2.09	-74.64	506.41	-1,843.63	1,913.57	1,910.49	3.08	620.336				
800.00	800.00	782.96	782.63	2.63	2.58	-74.70	505.85	-1,848.60	1,917.06	1,913.38	3.68	520.857				
900.00	900.00	884.48	884.10	2.99	2.95	-74.74	505.03	-1,851.38	1,919.49	1,915.30	4.19	457.979				
1,000.00	1,000.00	995.13	994.72	3.35	3.35	-74.80	503.69	-1,853.89	1,921.36	1,916.63	4.72	406.706				
1,100.00	1,100.00	1,092.03	1,091.58	3.71	3.69	-74.86	502.26	-1,855.91	1,922.99	1,917.77	5.22	368.222				
1,200.00	1,200.00	1,194.09	1,193.60	4.07	4.06	-74.92	500.62	-1,858.42	1,924.95	1,919.22	5.73	335.683				
1,300.00	1,300.00	1,300.67	1,300.16	4.43	4.44	-74.96	499.70	-1,860.35	1,926.47	1,920.21	6.26	307.838				
1,400.00	1,400.00	1,406.86	1,406.33	4.79	4.65	-74.99	499.19	-1,861.86	1,927.72	1,921.06	6.66	289.538				
1,500.00	1,500.00	1,513.07	1,512.54	5.14	4.71	-75.00	499.19	-1,862.82	1,928.60	1,921.64	6.96	277.154				
1,600.00	1,600.00	1,616.83	1,616.30	5.50	4.76	-75.01	499.07	-1,863.53	1,929.22	1,921.96	7.26	265.580				
1,700.00	1,700.00	1,721.86	1,721.33	5.86	4.85	-75.01	498.96	-1,863.97	1,929.61	1,922.01	7.59	254.092				
1,800.00	1,800.00	1,822.33	1,821.79	6.22	4.96	-75.02	498.97	-1,864.22	1,929.85	1,921.91	7.94	243.039				
1,900.00	1,900.00	1,921.96	1,921.42	6.58	5.09	-75.01	499.09	-1,864.48	1,930.13	1,921.82	8.30	232.476				
2,000.00	2,000.00	2,023.74	2,023.20	6.94	5.24	-75.01	499.15	-1,864.66	1,930.32	1,921.64	8.68	222.377				
2,100.00	2,100.00	2,123.35	2,122.81	7.29	5.41	-75.00	499.51	-1,864.76	1,930.51	1,921.44	9.07	212.916				
2,200.00	2,200.00	2,224.86	2,224.33	7.65	5.59	-74.99	500.04	-1,864.79	1,930.67	1,921.21	9.47	203.976				
2,300.00	2,299.99	2,326.71	2,326.17	8.01	5.79	-136.87	500.64	-1,864.69	1,931.69	1,921.82	9.87	195.729				
2,400.00	2,399.91	2,427.81	2,427.27	8.36	6.00	-136.89	501.51	-1,864.44	1,934.54	1,924.26	10.28	188.233				
2,471.49	2,471.26	2,500.38	2,499.83	8.61	6.16	-136.93	502.16	-1,864.22	1,937.71	1,927.14	10.57	183.240				
2,500.00	2,499.70	2,529.48	2,528.93	8.71	6.23	-136.96	502.44	-1,864.11	1,939.16	1,928.46	10.69	181.321				
2,600.00	2,599.45	2,614.45	2,613.90	9.06	6.43	-137.07	503.01	-1,864.05	1,944.48	1,933.39	11.10	175.235				
2,700.00	2,699.19	2,691.03	2,690.47	9.42	6.62	-137.20	502.46	-1,865.13	1,950.88	1,939.39	11.49	169.779				
2,800.00	2,798.94	2,772.46	2,771.86	9.78	6.82	-137.37	501.15	-1,867.50	1,958.50	1,946.60	11.90	164.645				
2,900.00	2,898.69	2,856.71	2,856.04	10.13	7.05	-137.56	499.50	-1,870.47	1,966.70	1,954.39	12.31	159.782				
3,000.00	2,998.44	2,929.35	2,928.56	10.49	7.25	-137.74	497.43	-1,874.13	1,976.14	1,963.44	12.70	155.545				
3,100.00	3,098.18	3,000.00	2,998.99	10.85	7.44	-137.95	494.73	-1,878.82	1,986.96	1,973.87	13.10	151.711				
3,200.00	3,197.93	3,073.44	3,072.10	11.22	7.66	-138.19	491.21	-1,884.88	1,999.17	1,985.67	13.50	148.124				
3,300.00	3,297.68	3,144.79	3,142.98	11.58	7.87	-138.45	487.10	-1,891.92	2,012.77	1,998.87	13.89	144.887				
3,400.00	3,397.43	3,215.62	3,213.18	11.94	8.09	-138.73	482.35	-1,900.03	2,027.77	2,013.48	14.29	141.943				
3,500.00	3,497.17	3,291.32	3,288.01	12.30	8.34	-139.05	476.55	-1,909.89	2,044.15	2,029.46	14.69	139.138				
3,600.00	3,596.92	3,388.72	3,384.21	12.67	8.66	-139.47	468.83	-1,923.03	2,061.07	2,045.91	15.15	136.016				
3,700.00	3,696.67	3,486.13	3,480.42	13.03	8.99	-139.89	461.10	-1,936.17	2,078.09	2,062.47	15.62	133.051				
3,800.00	3,796.42	3,583.54	3,576.63	13.40	9.33	-140.29	453.37	-1,949.31	2,095.22	2,079.13	16.09	130.233				
3,900.00	3,896.16	3,680.95	3,672.84	13.76	9.68	-140.69	445.64	-1,962.45	2,112.45	2,095.89	16.56	127.554				
4,000.00	3,995.91	3,778.36	3,769.05	14.13	10.03	-141.09	437.91	-1,975.59	2,129.78	2,112.74	17.04	125.006				
4,100.00	4,095.66	3,875.76	3,865.25	14.50	10.39	-141.48	430.19	-1,988.73	2,147.21	2,129.69	17.52	122.583				
4,200.00	4,195.41	3,973.17	3,961.46	14.86	10.76	-141.86	422.46	-2,001.87	2,164.74	2,146.74	18.00	120.278				
4,300.00	4,295.15	4,070.58	4,057.67	15.23	11.13	-142.23	414.73	-2,015.01	2,182.36	2,163.88	18.48	118.083				
4,400.00	4,394.90	4,167.99	4,153.88	15.60	11.50	-142.60	407.00	-2,028.15	2,200.07	2,181.10	18.97	115.992				
4,500.00	4,494.65	4,265.40	4,250.08	15.97	11.88	-142.97	399.27	-2,041.29	2,217.87	2,198.42	19.46	113.999				
4,600.00	4,594.40	4,362.80	4,346.29	16.34	12.26	-143.33	391.54	-2,054.43	2,235.76	2,215.81	19.94	112.098				
4,700.00	4,694.15	4,460.21	4,442.50	16.70	12.64	-143.68	383.82	-2,067.57	2,253.73	2,233.30	20.44	110.284				
4,800.00	4,793.89	4,557.62	4,538.71	17.07	13.03	-144.03	376.09	-2,080.71	2,271.79	2,250.86	20.93	108.552				
4,900.00	4,893.64	4,655.03	4,634.91	17.44	13.41	-144.37	368.36	-2,093.85	2,289.93	2,268.51	21.42	106.896				
5,000.00	4,993.39	4,752.44	4,731.12	17.81	13.80	-144.71	360.63	-2,106.99	2,308.14	2,286.23	21.92	105.314				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - Plan #5		Offset Site Error:	0.00 usft
Survey Program:													16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD, 2745-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
5,100.00	5,093.14	4,849.84	4,827.33	18.18	14.20	-145.04	352.90	-2,120.13	2,326.44	2,304.03	22.41	103.799				
5,200.00	5,192.88	4,947.25	4,923.54	18.55	14.59	-145.36	345.18	-2,133.27	2,344.81	2,321.90	22.91	102.350				
5,300.00	5,292.63	5,044.66	5,019.74	18.92	14.99	-145.69	337.45	-2,146.41	2,363.25	2,339.84	23.41	100.961				
5,400.00	5,392.38	5,142.07	5,115.95	19.29	15.39	-146.00	329.72	-2,159.55	2,381.77	2,357.86	23.91	99.629				
5,500.00	5,492.13	5,239.47	5,212.16	19.66	15.79	-146.31	321.99	-2,172.69	2,400.35	2,375.95	24.41	98.352				
5,600.00	5,591.87	5,336.88	5,308.37	20.03	16.19	-146.62	314.26	-2,185.83	2,419.01	2,394.10	24.91	97.126				
5,700.00	5,691.62	5,434.29	5,404.58	20.40	16.59	-146.92	306.53	-2,198.97	2,437.73	2,412.32	25.41	95.949				
5,800.00	5,791.37	5,531.70	5,500.78	20.77	17.00	-147.22	298.81	-2,212.11	2,456.51	2,430.61	25.91	94.818				
5,900.00	5,891.12	5,629.11	5,596.99	21.14	17.40	-147.51	291.08	-2,225.25	2,475.37	2,448.96	26.41	93.730				
6,000.00	5,990.86	5,726.51	5,693.20	21.52	17.81	-147.80	283.35	-2,238.40	2,494.28	2,467.37	26.91	92.683				
6,100.00	6,090.61	5,823.92	5,789.41	21.89	18.22	-148.09	275.62	-2,251.54	2,513.26	2,485.84	27.41	91.675				
6,200.00	6,190.36	5,921.33	5,885.61	22.26	18.63	-148.37	267.89	-2,264.68	2,532.29	2,504.37	27.92	90.705				
6,300.00	6,290.11	6,018.74	5,981.82	22.63	19.04	-148.65	260.16	-2,277.82	2,551.38	2,522.96	28.42	89.770				
6,400.00	6,389.85	6,116.15	6,078.03	23.00	19.45	-148.92	252.44	-2,290.96	2,570.53	2,541.61	28.93	88.868				
6,500.00	6,489.60	6,213.55	6,174.24	23.37	19.86	-149.19	244.71	-2,304.10	2,589.74	2,560.31	29.43	87.998				
6,600.00	6,589.35	6,310.96	6,270.44	23.74	20.27	-149.45	236.98	-2,317.24	2,609.00	2,579.07	29.93	87.158				
6,700.00	6,689.10	6,408.37	6,366.65	24.12	20.68	-149.71	229.25	-2,330.38	2,628.32	2,597.88	30.44	86.347				
6,800.00	6,788.84	6,505.78	6,462.86	24.49	21.09	-149.97	221.52	-2,343.52	2,647.69	2,616.74	30.94	85.563				
6,900.00	6,888.59	6,603.19	6,559.07	24.86	21.51	-150.22	213.80	-2,356.66	2,667.10	2,635.66	31.45	84.806				
7,000.00	6,988.34	6,700.59	6,655.28	25.23	21.92	-150.47	206.07	-2,369.80	2,686.57	2,654.62	31.96	84.073				
7,069.58	7,057.74	6,768.37	6,722.22	25.49	22.21	-150.64	200.69	-2,378.94	2,700.15	2,667.84	32.31	83.577				
7,100.00	7,088.09	6,798.03	6,751.51	25.60	22.34	-150.76	198.34	-2,382.94	2,705.99	2,673.53	32.46	83.361				
7,200.00	7,187.97	6,895.89	6,848.16	25.97	22.75	-151.11	190.57	-2,396.14	2,723.74	2,690.78	32.97	82.620				
7,300.00	7,287.93	6,994.25	6,945.32	26.33	23.17	-151.42	182.77	-2,409.41	2,739.27	2,705.80	33.47	81.833				
7,341.07	7,329.00	7,034.78	6,985.34	26.47	23.35	-89.65	179.55	-2,414.88	2,745.00	2,711.32	33.68	81.499				
7,400.00	7,387.93	7,092.99	7,042.83	26.67	23.60	-89.75	174.94	-2,422.73	2,752.95	2,718.97	33.98	81.019				
7,500.00	7,487.93	7,191.75	7,140.38	27.02	24.02	-89.91	167.10	-2,436.06	2,766.46	2,731.98	34.48	80.224				
7,600.00	7,587.93	7,317.60	7,264.72	27.37	24.55	-90.12	157.24	-2,452.83	2,779.92	2,744.83	35.09	79.232				
7,700.00	7,687.93	7,587.18	7,532.60	27.72	25.61	-90.43	142.15	-2,478.47	2,789.48	2,753.36	36.13	77.217				
7,800.00	7,787.93	7,859.66	7,804.80	28.06	26.54	-90.54	136.68	-2,487.78	2,792.92	2,755.88	37.04	75.413				
7,900.00	7,887.93	7,969.29	7,914.43	28.41	26.86	-90.54	136.67	-2,487.80	2,792.93	2,755.40	37.52	74.430				
8,000.00	7,987.93	8,069.29	8,014.43	28.76	27.15	-90.54	136.67	-2,487.80	2,792.93	2,754.93	37.99	73.508				
8,100.00	8,087.93	8,169.29	8,114.43	29.11	27.45	-90.54	136.67	-2,487.80	2,792.93	2,754.46	38.47	72.608				
8,200.00	8,187.93	8,269.29	8,214.43	29.46	27.75	-90.54	136.67	-2,487.80	2,792.93	2,753.99	38.94	71.727				
8,300.00	8,287.93	8,369.29	8,314.43	29.81	28.05	-90.54	136.67	-2,487.80	2,792.93	2,753.52	39.41	70.866				
8,400.00	8,387.93	8,469.29	8,414.43	30.16	28.35	-90.54	136.67	-2,487.80	2,792.93	2,753.04	39.89	70.024				
8,500.00	8,487.93	8,569.29	8,514.43	30.51	28.65	-90.54	136.67	-2,487.80	2,792.93	2,752.57	40.36	69.201				
8,600.00	8,587.93	8,669.29	8,614.43	30.86	28.95	-90.54	136.67	-2,487.80	2,792.93	2,752.09	40.84	68.395				
8,700.00	8,687.93	8,769.29	8,714.43	31.21	29.25	-90.54	136.67	-2,487.80	2,792.93	2,751.62	41.31	67.607				
8,800.00	8,787.93	8,869.29	8,814.43	31.56	29.56	-90.54	136.67	-2,487.80	2,792.93	2,751.14	41.79	66.835				
8,900.00	8,887.93	8,969.29	8,914.43	31.91	29.87	-90.54	136.67	-2,487.80	2,792.93	2,750.66	42.27	66.080				
9,000.00	8,987.93	9,069.29	9,014.43	32.26	30.17	-90.54	136.67	-2,487.80	2,792.93	2,750.18	42.74	65.341				
9,100.00	9,087.93	9,169.29	9,114.43	32.61	30.48	-90.54	136.67	-2,487.80	2,792.93	2,749.70	43.22	64.617				
9,200.00	9,187.93	9,269.29	9,214.43	32.96	30.79	-90.54	136.67	-2,487.80	2,792.93	2,749.22	43.70	63.908				
9,300.00	9,287.93	9,369.29	9,314.43	33.31	31.10	-90.54	136.67	-2,487.80	2,792.93	2,748.74	44.18	63.213				
9,400.00	9,387.93	9,469.29	9,414.43	33.66	31.41	-90.54	136.67	-2,487.80	2,792.93	2,748.26	44.66	62.533				
9,500.00	9,487.93	9,569.29	9,514.43	34.01	31.73	-90.54	136.67	-2,487.80	2,792.93	2,747.78	45.14	61.866				
9,600.00	9,587.93	9,669.29	9,614.43	34.36	32.04	-90.54	136.67	-2,487.80	2,792.93	2,747.30	45.63	61.213				
9,700.00	9,687.93	9,769.29	9,714.43	34.72	32.36	-90.54	136.67	-2,487.80	2,792.93	2,746.82	46.11	60.572				
9,800.00	9,787.93	9,869.29	9,814.43	35.07	32.67	-90.54	136.67	-2,487.80	2,792.93	2,746.33	46.59	59.944				
9,900.00	9,887.93	9,969.29	9,914.43	35.42	32.99	-90.54	136.67	-2,487.80	2,792.93	2,745.85	47.08	59.329				
10,000.00	9,987.93	10,069.29	10,014.43	35.77	33.31	-90.54	136.67	-2,487.80	2,792.93	2,745.37	47.56	58.725				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD, 2745-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
10,100.00	10,087.93	10,169.29	10,114.43	36.12	33.62	-90.54	136.67	-2,487.80	2,792.93	2,744.88	48.04	58.133		
10,200.00	10,187.93	10,269.29	10,214.43	36.48	33.94	-90.54	136.67	-2,487.80	2,792.93	2,744.40	48.53	57.552		
10,300.00	10,287.93	10,369.29	10,314.43	36.83	34.26	-90.54	136.67	-2,487.80	2,792.93	2,743.91	49.01	56.982		
10,400.00	10,387.93	10,469.29	10,414.43	37.18	34.58	-90.54	136.67	-2,487.80	2,792.93	2,743.43	49.50	56.423		
10,500.00	10,487.93	10,569.29	10,514.43	37.53	34.90	-90.54	136.67	-2,487.80	2,792.93	2,742.94	49.99	55.874		
10,600.00	10,587.93	10,669.29	10,614.43	37.89	35.23	-90.54	136.67	-2,487.80	2,792.93	2,742.45	50.47	55.335		
10,700.00	10,687.93	10,769.29	10,714.43	38.24	35.55	-90.54	136.67	-2,487.80	2,792.93	2,741.97	50.96	54.807		
10,800.00	10,787.93	10,869.29	10,814.43	38.59	35.87	-90.54	136.67	-2,487.80	2,792.93	2,741.48	51.45	54.287		
10,900.00	10,887.93	10,969.29	10,914.43	38.94	36.20	-90.54	136.67	-2,487.80	2,792.93	2,740.99	51.93	53.778		
11,000.00	10,987.93	11,069.29	11,014.43	39.30	36.52	-90.54	136.67	-2,487.80	2,792.93	2,740.50	52.42	53.277		
11,100.00	11,087.93	11,169.29	11,114.43	39.65	36.85	-90.54	136.67	-2,487.80	2,792.93	2,740.02	52.91	52.785		
11,200.00	11,187.93	11,269.29	11,214.43	40.00	37.17	-90.54	136.67	-2,487.80	2,792.93	2,739.53	53.40	52.302		
11,300.00	11,287.93	11,369.29	11,314.43	40.36	37.50	-90.54	136.67	-2,487.80	2,792.93	2,739.04	53.89	51.827		
11,400.00	11,387.93	11,469.29	11,414.43	40.71	37.83	-90.54	136.67	-2,487.80	2,792.93	2,738.55	54.38	51.361		
11,403.24	11,391.17	11,472.53	11,417.67	40.72	37.84	-90.54	136.67	-2,487.80	2,792.93	2,738.53	54.39	51.346		
11,500.00	11,487.93	11,569.14	11,514.26	41.07	38.15	-90.56	135.58	-2,487.79	2,792.93	2,738.06	54.87	50.902		
11,600.00	11,587.93	11,666.46	11,610.42	41.42	38.49	-90.85	121.39	-2,487.67	2,792.98	2,737.62	55.36	50.448		
11,700.00	11,687.93	11,756.62	11,696.19	41.77	38.83	-91.42	93.91	-2,487.43	2,793.34	2,737.49	55.85	50.013		
11,800.00	11,787.93	11,836.55	11,767.81	42.13	39.14	-92.14	58.55	-2,487.12	2,794.46	2,738.14	56.32	49.616		
11,900.00	11,887.93	11,905.35	11,825.00	42.48	39.42	-92.92	20.40	-2,486.78	2,796.85	2,740.09	56.76	49.274		
12,000.00	11,987.93	11,963.59	11,869.56	42.83	39.66	-93.69	-17.06	-2,486.45	2,801.00	2,743.84	57.16	49.001		
12,100.00	12,087.93	12,012.57	11,903.93	43.19	39.87	-94.40	-51.95	-2,486.14	2,807.31	2,749.79	57.52	48.805		
12,179.11	12,167.04	12,050.00	11,928.11	43.47	40.03	-94.99	-80.50	-2,485.89	2,814.04	2,756.25	57.79	48.697		
12,200.00	12,187.93	12,050.00	11,928.11	43.54	40.03	85.38	-80.50	-2,485.89	2,816.06	2,758.24	57.82	48.705		
12,250.00	12,237.75	12,073.94	11,942.58	43.70	40.14	84.51	-99.57	-2,485.73	2,821.09	2,763.12	57.97	48.667		
12,300.00	12,287.04	12,100.00	11,957.41	43.85	40.26	83.61	-121.00	-2,485.54	2,826.35	2,768.23	58.12	48.633		
12,350.00	12,335.41	12,114.92	11,965.46	44.00	40.33	82.87	-133.56	-2,485.43	2,831.72	2,773.50	58.22	48.639		
12,400.00	12,382.50	12,135.83	11,976.18	44.14	40.42	82.06	-151.51	-2,485.27	2,837.16	2,778.83	58.34	48.634		
12,450.00	12,427.95	12,150.00	11,983.07	44.27	40.49	81.35	-163.89	-2,485.16	2,842.60	2,784.18	58.43	48.653		
12,500.00	12,471.42	12,178.31	11,995.91	44.39	40.63	80.50	-189.12	-2,484.94	2,847.92	2,789.35	58.56	48.630		
12,550.00	12,512.57	12,200.00	12,004.89	44.50	40.74	79.77	-208.86	-2,484.76	2,853.08	2,794.41	58.67	48.627		
12,600.00	12,551.09	12,221.47	12,013.04	44.59	40.84	79.08	-228.72	-2,484.59	2,858.01	2,799.23	58.78	48.620		
12,650.00	12,586.68	12,250.00	12,022.71	44.68	40.99	78.39	-255.56	-2,484.35	2,862.66	2,803.74	58.92	48.586		
12,700.00	12,619.09	12,265.14	12,027.29	44.76	41.07	77.86	-269.98	-2,484.23	2,866.93	2,807.92	59.01	48.583		
12,750.00	12,648.05	12,300.00	12,036.39	44.84	41.26	77.25	-303.63	-2,483.93	2,870.87	2,811.69	59.18	48.510		
12,800.00	12,673.35	12,300.00	12,036.39	44.93	41.26	76.92	-303.63	-2,483.93	2,874.27	2,815.04	59.23	48.529		
12,850.00	12,694.80	12,331.28	12,042.80	45.04	41.43	76.48	-334.24	-2,483.66	2,877.17	2,817.77	59.40	48.437		
12,900.00	12,712.23	12,350.00	12,045.83	45.16	41.53	76.18	-352.71	-2,483.50	2,879.58	2,820.04	59.53	48.368		
12,950.00	12,725.51	12,375.64	12,049.00	45.28	41.67	75.92	-378.16	-2,483.28	2,881.43	2,821.72	59.71	48.261		
13,000.00	12,734.55	12,400.00	12,050.96	45.41	41.81	75.75	-402.43	-2,483.06	2,882.70	2,822.82	59.88	48.140		
13,050.00	12,739.26	12,426.34	12,051.91	45.54	41.96	75.66	-428.75	-2,482.83	2,883.40	2,823.33	60.07	47.997		
13,079.11	12,740.00	12,441.47	12,052.11	45.62	42.05	75.66	-443.88	-2,482.70	2,883.49	2,823.29	60.19	47.903		
13,100.00	12,740.00	12,462.36	12,052.38	45.68	42.18	75.66	-464.77	-2,482.51	2,883.44	2,823.13	60.32	47.804		
13,200.00	12,740.00	12,562.35	12,053.69	45.98	42.81	75.69	-564.74	-2,481.63	2,883.23	2,822.27	60.96	47.300		
13,300.00	12,740.00	12,662.34	12,055.01	46.34	43.49	75.71	-664.72	-2,480.76	2,883.01	2,821.34	61.67	46.748		
13,400.00	12,740.00	12,762.33	12,056.32	46.75	44.22	75.74	-764.70	-2,479.88	2,882.80	2,820.34	62.46	46.153		
13,500.00	12,740.00	12,862.32	12,057.63	47.22	45.00	75.76	-864.68	-2,479.00	2,882.59	2,819.26	63.32	45.521		
13,600.00	12,740.00	12,962.32	12,058.95	47.73	45.83	75.79	-964.66	-2,478.12	2,882.37	2,818.12	64.26	44.858		
13,700.00	12,740.00	13,062.31	12,060.26	48.30	46.70	75.82	-1,064.64	-2,477.24	2,882.16	2,816.91	65.25	44.168		
13,800.00	12,740.00	13,162.30	12,061.57	48.92	47.61	75.84	-1,164.62	-2,476.36	2,881.95	2,815.63	66.32	43.457		
13,900.00	12,740.00	13,262.29	12,062.89	49.58	48.56	75.87	-1,264.60	-2,475.48	2,881.74	2,814.30	67.44	42.731		
14,000.00	12,740.00	13,362.28	12,064.20	50.29	49.55	75.89	-1,364.57	-2,474.60	2,881.53	2,812.91	68.62	41.993		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - Plan #5													Offset Well Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD, 2745-OWSG (Rev2) MWD														
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
14,100.00	12,740.00	13,462.27	12,065.51	51.04	50.57	75.92	-1,464.55	-2,473.72	2,881.32	2,811.46	69.86	41.247		
14,200.00	12,740.00	13,562.26	12,066.83	51.83	51.63	75.95	-1,564.53	-2,472.84	2,881.11	2,809.96	71.14	40.497		
14,300.00	12,740.00	13,662.25	12,068.14	52.66	52.72	75.97	-1,664.51	-2,471.96	2,880.90	2,808.42	72.48	39.748		
14,400.00	12,740.00	13,762.25	12,069.45	53.53	53.83	76.00	-1,764.49	-2,471.08	2,880.69	2,806.83	73.86	39.000		
14,500.00	12,740.00	13,862.24	12,070.76	54.44	54.97	76.02	-1,864.47	-2,470.21	2,880.48	2,805.19	75.29	38.258		
14,600.00	12,740.00	13,962.23	12,072.08	55.38	56.14	76.05	-1,964.45	-2,469.33	2,880.28	2,803.52	76.76	37.523		
14,700.00	12,740.00	14,062.22	12,073.39	56.35	57.33	76.07	-2,064.43	-2,468.45	2,880.07	2,801.80	78.27	36.797		
14,800.00	12,740.00	14,162.21	12,074.70	57.35	58.54	76.10	-2,164.41	-2,467.57	2,879.86	2,800.05	79.81	36.082		
14,900.00	12,740.00	14,262.20	12,076.02	58.39	59.77	76.13	-2,264.38	-2,466.69	2,879.66	2,798.26	81.39	35.379		
15,000.00	12,740.00	14,362.19	12,077.33	59.45	61.03	76.15	-2,364.36	-2,465.81	2,879.45	2,796.44	83.01	34.689		
15,100.00	12,740.00	14,462.18	12,078.64	60.54	62.30	76.18	-2,464.34	-2,464.93	2,879.25	2,794.60	84.65	34.012		
15,200.00	12,740.00	14,562.18	12,079.96	61.65	63.59	76.20	-2,564.32	-2,464.05	2,879.04	2,792.72	86.33	33.350		
15,300.00	12,740.00	14,662.17	12,081.27	62.79	64.89	76.23	-2,664.30	-2,463.17	2,878.84	2,790.81	88.03	32.703		
15,400.00	12,740.00	14,762.16	12,082.58	63.94	66.22	76.26	-2,764.28	-2,462.29	2,878.64	2,788.88	89.76	32.071		
15,500.00	12,740.00	14,862.15	12,083.90	65.12	67.55	76.28	-2,864.26	-2,461.41	2,878.44	2,786.93	91.51	31.454		
15,600.00	12,740.00	14,962.14	12,085.21	66.32	68.90	76.31	-2,964.24	-2,460.53	2,878.24	2,784.95	93.29	30.853		
15,700.00	12,740.00	15,062.13	12,086.52	67.54	70.26	76.33	-3,064.21	-2,459.66	2,878.04	2,782.95	95.09	30.267		
15,800.00	12,740.00	15,162.12	12,087.84	68.78	71.64	76.36	-3,164.19	-2,458.78	2,877.84	2,780.93	96.91	29.696		
15,900.00	12,740.00	15,262.12	12,089.15	70.04	73.02	76.39	-3,264.17	-2,457.90	2,877.64	2,778.89	98.75	29.141		
16,000.00	12,740.00	15,362.11	12,090.46	71.31	74.42	76.41	-3,364.15	-2,457.02	2,877.44	2,776.83	100.61	28.601		
16,100.00	12,740.00	15,462.10	12,091.77	72.59	75.83	76.44	-3,464.13	-2,456.14	2,877.24	2,774.76	102.48	28.076		
16,200.00	12,740.00	15,562.09	12,093.09	73.89	77.24	76.46	-3,564.11	-2,455.26	2,877.04	2,772.67	104.37	27.565		
16,300.00	12,740.00	15,662.08	12,094.40	75.21	78.67	76.49	-3,664.09	-2,454.38	2,876.84	2,770.56	106.28	27.068		
16,400.00	12,740.00	15,762.07	12,095.71	76.53	80.10	76.52	-3,764.07	-2,453.50	2,876.65	2,768.44	108.20	26.585		
16,500.00	12,740.00	15,862.06	12,097.03	77.87	81.55	76.54	-3,864.05	-2,452.62	2,876.45	2,766.31	110.14	26.116		
16,600.00	12,740.00	15,962.05	12,098.34	79.22	83.00	76.57	-3,964.02	-2,451.74	2,876.26	2,764.16	112.09	25.659		
16,700.00	12,740.00	16,062.05	12,099.65	80.59	84.46	76.59	-4,064.00	-2,450.86	2,876.06	2,762.00	114.06	25.216		
16,800.00	12,740.00	16,162.04	12,100.97	81.96	85.92	76.62	-4,163.98	-2,449.98	2,875.87	2,759.83	116.04	24.784		
16,900.00	12,740.00	16,262.03	12,102.28	83.34	87.39	76.65	-4,263.96	-2,449.11	2,875.67	2,757.65	118.02	24.365		
17,000.00	12,740.00	16,362.02	12,103.59	84.74	88.87	76.67	-4,363.94	-2,448.23	2,875.48	2,755.46	120.02	23.958		
17,100.00	12,740.00	16,462.01	12,104.91	86.14	90.35	76.70	-4,463.92	-2,447.35	2,875.29	2,753.26	122.03	23.561		
17,200.00	12,740.00	16,562.00	12,106.22	87.55	91.84	76.72	-4,563.90	-2,446.47	2,875.10	2,751.04	124.05	23.176		
17,300.00	12,740.00	16,661.99	12,107.53	88.97	93.34	76.75	-4,663.88	-2,445.59	2,874.91	2,748.82	126.08	22.802		
17,400.00	12,740.00	16,761.99	12,108.84	90.39	94.84	76.78	-4,763.85	-2,444.71	2,874.72	2,746.59	128.12	22.437		
17,500.00	12,740.00	16,861.98	12,110.16	91.83	96.34	76.80	-4,863.83	-2,443.83	2,874.53	2,744.36	130.17	22.083		
17,600.00	12,740.00	16,961.97	12,111.47	93.27	97.85	76.83	-4,963.81	-2,442.95	2,874.34	2,742.11	132.23	21.738		
17,700.00	12,740.00	17,061.96	12,112.78	94.72	99.37	76.85	-5,063.79	-2,442.07	2,874.15	2,739.86	134.29	21.403		
17,800.00	12,740.00	17,161.95	12,114.10	96.17	100.89	76.88	-5,163.77	-2,441.19	2,873.96	2,737.60	136.36	21.076		
17,900.00	12,740.00	17,261.94	12,115.41	97.64	102.41	76.91	-5,263.75	-2,440.31	2,873.77	2,735.33	138.44	20.758		
18,000.00	12,740.00	17,361.93	12,116.72	99.10	103.93	76.93	-5,363.73	-2,439.43	2,873.59	2,733.06	140.52	20.449		
18,100.00	12,740.00	17,461.92	12,118.04	100.58	105.46	76.96	-5,463.71	-2,438.56	2,873.40	2,730.78	142.62	20.148		
18,200.00	12,740.00	17,561.92	12,119.35	102.05	107.00	76.98	-5,563.69	-2,437.68	2,873.21	2,728.50	144.72	19.854		
18,300.00	12,740.00	17,661.91	12,120.66	103.54	108.54	77.01	-5,663.66	-2,436.80	2,873.03	2,726.21	146.82	19.568		
18,400.00	12,740.00	17,761.90	12,121.98	105.03	110.08	77.04	-5,763.64	-2,435.92	2,872.84	2,723.91	148.93	19.290		
18,500.00	12,740.00	17,861.89	12,123.29	106.52	111.62	77.06	-5,863.62	-2,435.04	2,872.66	2,721.61	151.05	19.018		
18,600.00	12,740.00	17,961.88	12,124.60	108.02	113.17	77.09	-5,963.60	-2,434.16	2,872.48	2,719.30	153.17	18.753		
18,700.00	12,740.00	18,061.87	12,125.91	109.52	114.72	77.11	-6,063.58	-2,433.28	2,872.29	2,716.99	155.30	18.495		
18,800.00	12,740.00	18,161.86	12,127.23	111.03	116.27	77.14	-6,163.56	-2,432.40	2,872.11	2,714.68	157.43	18.243		
18,900.00	12,740.00	18,261.85	12,128.54	112.54	117.83	77.17	-6,263.54	-2,431.52	2,871.93	2,712.36	159.57	17.998		
19,000.00	12,740.00	18,361.85	12,129.85	114.05	119.38	77.19	-6,363.52	-2,430.64	2,871.75	2,710.03	161.72	17.758		
19,100.00	12,740.00	18,461.84	12,131.17	115.57	120.94	77.22	-6,463.49	-2,429.76	2,871.57	2,707.70	163.86	17.524		
19,200.00	12,740.00	18,561.83	12,132.48	117.09	122.51	77.24	-6,563.47	-2,428.88	2,871.39	2,705.37	166.01	17.296		

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

7/17/2021 12:24:44AM

Page 21

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Bus Driver Fed Com 702H - OH - Plan #5		Offset Site Error:	0.00 usft
Survey Program: 16-OWSG (Rev2) MWD, 1424-OWSG (Rev2) MWD, 2745-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
19,300.00	12,740.00	18,661.82	12,133.79	118.62	124.07	77.27	-6,663.45	-2,428.01	2,871.21	2,703.04	168.17	17.073				
19,400.00	12,740.00	18,761.81	12,135.11	120.15	125.64	77.30	-6,763.43	-2,427.13	2,871.03	2,700.70	170.33	16.856				
19,500.00	12,740.00	18,861.80	12,136.42	121.68	127.21	77.32	-6,863.41	-2,426.25	2,870.85	2,698.36	172.49	16.643				
19,600.00	12,740.00	18,961.79	12,137.73	123.21	128.78	77.35	-6,963.39	-2,425.37	2,870.67	2,696.02	174.66	16.436				
19,700.00	12,740.00	19,061.79	12,139.05	124.75	130.35	77.37	-7,063.37	-2,424.49	2,870.50	2,693.67	176.83	16.233				
19,800.00	12,740.00	19,161.78	12,140.36	126.29	131.93	77.40	-7,163.35	-2,423.61	2,870.32	2,691.32	179.00	16.035				
19,900.00	12,740.00	19,261.77	12,141.67	127.84	133.51	77.43	-7,263.33	-2,422.73	2,870.15	2,688.96	181.18	15.841				
20,000.00	12,740.00	19,361.76	12,142.98	129.38	135.08	77.45	-7,363.30	-2,421.85	2,869.97	2,686.61	183.36	15.652				
20,100.00	12,740.00	19,461.75	12,144.30	130.93	136.67	77.48	-7,463.28	-2,420.97	2,869.80	2,684.25	185.55	15.467				
20,200.00	12,740.00	19,561.74	12,145.61	132.48	138.25	77.50	-7,563.26	-2,420.09	2,869.62	2,681.89	187.73	15.286				
20,300.00	12,740.00	19,661.73	12,146.92	134.04	139.83	77.53	-7,663.24	-2,419.21	2,869.45	2,679.52	189.92	15.108				
20,400.00	12,740.00	19,761.72	12,148.24	135.59	141.42	77.56	-7,763.22	-2,418.33	2,869.28	2,677.16	192.12	14.935				
20,500.00	12,740.00	19,861.72	12,149.55	137.15	143.00	77.58	-7,863.20	-2,417.46	2,869.10	2,674.79	194.31	14.765				
20,600.00	12,740.00	19,961.71	12,150.86	138.71	144.59	77.61	-7,963.18	-2,416.58	2,868.93	2,672.42	196.51	14.599				
20,700.00	12,740.00	20,061.70	12,152.18	140.27	146.18	77.63	-8,063.16	-2,415.70	2,868.76	2,670.05	198.71	14.437				
20,800.00	12,740.00	20,161.69	12,153.49	141.84	147.77	77.66	-8,163.13	-2,414.82	2,868.59	2,667.67	200.92	14.277				
20,900.00	12,740.00	20,261.68	12,154.80	143.41	149.37	77.69	-8,263.11	-2,413.94	2,868.42	2,665.29	203.13	14.121				
21,000.00	12,740.00	20,361.67	12,156.12	144.97	150.96	77.71	-8,363.09	-2,413.06	2,868.25	2,662.92	205.33	13.969				
21,100.00	12,740.00	20,461.66	12,157.43	146.54	152.55	77.74	-8,463.07	-2,412.18	2,868.08	2,660.54	207.55	13.819				
21,200.00	12,740.00	20,561.66	12,158.74	148.12	154.15	77.77	-8,563.05	-2,411.30	2,867.91	2,658.16	209.76	13.672				
21,300.00	12,740.00	20,661.65	12,160.05	149.69	155.75	77.79	-8,663.03	-2,410.42	2,867.75	2,655.77	211.97	13.529				
21,400.00	12,740.00	20,761.64	12,161.37	151.26	157.35	77.82	-8,763.01	-2,409.54	2,867.58	2,653.39	214.19	13.388				
21,500.00	12,740.00	20,861.63	12,162.68	152.84	158.94	77.84	-8,862.99	-2,408.66	2,867.41	2,651.00	216.41	13.250				
21,600.00	12,740.00	20,961.62	12,163.99	154.42	160.55	77.87	-8,962.97	-2,407.78	2,867.25	2,648.61	218.63	13.114				
21,700.00	12,740.00	21,061.61	12,165.31	156.00	162.15	77.90	-9,062.94	-2,406.91	2,867.08	2,646.22	220.86	12.982				
21,800.00	12,740.00	21,161.60	12,166.62	157.58	163.75	77.92	-9,162.92	-2,406.03	2,866.92	2,643.83	223.09	12.851				
21,900.00	12,740.00	21,261.59	12,167.93	159.16	165.35	77.95	-9,262.90	-2,405.15	2,866.76	2,641.44	225.31	12.723				
22,000.00	12,740.00	21,361.59	12,169.25	160.75	166.96	77.97	-9,362.88	-2,404.27	2,866.59	2,639.05	227.54	12.598				
22,100.00	12,740.00	21,461.58	12,170.56	162.33	168.56	78.00	-9,462.86	-2,403.39	2,866.43	2,636.65	229.78	12.475				
22,200.00	12,740.00	21,561.57	12,171.87	163.92	170.17	78.03	-9,562.84	-2,402.51	2,866.27	2,634.26	232.01	12.354				
22,300.00	12,740.00	21,661.56	12,173.19	165.51	171.78	78.05	-9,662.82	-2,401.63	2,866.11	2,631.86	234.24	12.236				
22,400.00	12,740.00	21,761.55	12,174.50	167.10	173.38	78.08	-9,762.80	-2,400.75	2,865.95	2,629.46	236.48	12.119				
22,500.00	12,740.00	21,861.54	12,175.81	168.69	174.99	78.11	-9,862.78	-2,399.87	2,865.79	2,627.06	238.72	12.005				
22,600.00	12,740.00	21,961.53	12,177.12	170.28	176.60	78.13	-9,962.75	-2,398.99	2,865.63	2,624.66	240.96	11.892				
22,700.00	12,740.00	22,061.52	12,178.44	171.87	178.21	78.16	-10,062.73	-2,398.11	2,865.47	2,622.26	243.20	11.782				
22,800.00	12,740.00	22,161.52	12,179.75	173.47	179.82	78.18	-10,162.71	-2,397.23	2,865.31	2,619.86	245.45	11.674				
22,874.14	12,740.00	22,235.65	12,180.72	174.65	181.02	78.20	-10,236.83	-2,396.58	2,865.19	2,618.08	247.11	11.595 SF				

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

7/17/2021 12:24:44AM

Page 22

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 603H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 117-OWSG (Rev2) MWD, 1363-OWSG (Rev2) MWD, 23350-BLIND															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
0.00	0.00	23.50	23.50	0.00	0.03	-73.65	505.79	-1,724.35	1,797.00							
100.00	100.00	116.51	116.49	0.13	0.17	-73.60	507.54	-1,724.32	1,797.49	1,797.29	0.20	8,948.559				
200.00	200.00	209.45	209.37	0.48	0.50	-73.50	510.70	-1,724.25	1,798.37	1,797.68	0.69	2,603.291				
300.00	300.00	297.31	297.17	0.84	0.81	-73.39	514.22	-1,724.29	1,799.57	1,798.40	1.17	1,538.500				
400.00	400.00	394.63	394.37	1.20	1.17	-73.26	518.88	-1,724.67	1,801.32	1,799.64	1.67	1,076.445				
500.00	500.00	487.54	487.14	1.56	1.51	-73.10	524.01	-1,725.03	1,803.29	1,801.12	2.17	832.023				
600.00	600.00	570.32	569.74	1.92	1.81	-72.95	529.30	-1,725.92	1,806.15	1,803.51	2.64	685.027				
700.00	700.00	743.71	743.01	2.28	2.44	-72.78	534.97	-1,726.52	1,807.57	1,804.24	3.33	542.711				
800.00	800.00	856.39	855.68	2.63	2.82	-72.75	535.62	-1,724.91	1,806.40	1,802.54	3.86	468.010				
900.00	900.00	956.11	955.38	2.99	3.17	-72.72	536.02	-1,723.15	1,804.83	1,800.47	4.36	414.309				
1,000.00	1,000.00	1,066.76	1,066.01	3.35	3.55	-72.70	535.92	-1,720.94	1,802.89	1,798.01	4.88	369.504				
1,100.00	1,100.00	1,173.51	1,172.73	3.71	3.92	-72.68	535.94	-1,718.28	1,800.51	1,795.12	5.40	333.728				
1,200.00	1,200.00	1,273.62	1,272.79	4.07	4.27	-72.63	536.50	-1,715.15	1,797.70	1,791.80	5.90	304.814				
1,300.00	1,300.00	1,352.81	1,351.95	4.43	4.55	-72.60	536.99	-1,713.33	1,795.69	1,789.34	6.35	282.818				
1,400.00	1,400.00	1,439.81	1,438.94	4.79	4.68	-72.58	537.28	-1,712.45	1,794.80	1,788.11	6.69	268.239				
1,500.00	1,500.00	1,540.69	1,539.81	5.14	4.71	-72.57	537.47	-1,711.63	1,794.08	1,787.11	6.97	257.330				
1,600.00	1,600.00	1,640.43	1,639.55	5.50	4.76	-72.55	537.65	-1,710.79	1,793.33	1,786.05	7.28	246.448				
1,700.00	1,700.00	1,738.70	1,737.82	5.86	4.84	-72.55	537.46	-1,710.14	1,792.65	1,785.05	7.60	235.828				
1,800.00	1,800.00	1,835.59	1,834.71	6.22	4.94	-72.56	537.19	-1,709.67	1,792.09	1,784.15	7.94	225.606				
1,900.00	1,900.00	1,929.87	1,928.99	6.58	5.06	-72.56	537.02	-1,709.41	1,791.78	1,783.48	8.30	215.911				
2,000.00	2,000.00	2,028.34	2,027.46	6.94	5.20	-72.56	537.07	-1,709.33	1,791.72	1,783.05	8.67	206.649				
2,100.00	2,100.00	2,152.76	2,151.88	7.29	5.41	-72.56	536.88	-1,708.61	1,791.16	1,782.08	9.08	197.230				
2,200.00	2,200.00	2,323.56	2,322.57	7.65	5.75	-72.54	535.57	-1,703.10	1,787.91	1,778.35	9.56	187.053				
2,300.00	2,299.99	2,554.82	2,552.65	8.01	6.28	-134.70	525.47	-1,682.88	1,778.36	1,768.26	10.10	176.043				
2,400.00	2,399.91	2,658.33	2,655.27	8.36	6.55	-134.98	519.04	-1,670.93	1,768.24	1,757.72	10.53	167.967				
2,471.49	2,471.26	2,739.95	2,736.17	8.61	6.78	-135.23	514.17	-1,661.26	1,762.01	1,751.16	10.85	162.458				
2,500.00	2,499.70	2,779.94	2,775.76	8.71	6.89	-135.32	511.73	-1,656.21	1,759.48	1,748.50	10.98	160.228				
2,600.00	2,599.45	2,929.80	2,923.75	9.06	7.35	-135.68	501.67	-1,634.89	1,748.95	1,737.48	11.47	152.472				
2,700.00	2,699.19	3,047.49	3,039.46	9.42	7.74	-136.02	491.57	-1,615.94	1,736.02	1,724.08	11.94	145.426				
2,800.00	2,798.94	3,138.31	3,128.73	9.78	8.05	-136.31	483.20	-1,601.47	1,723.19	1,710.80	12.39	139.126				
2,900.00	2,898.69	3,223.76	3,212.83	10.13	8.35	-136.56	475.91	-1,588.23	1,711.02	1,698.19	12.83	133.327				
3,000.00	2,998.44	3,317.80	3,305.54	10.49	8.69	-136.83	468.67	-1,574.18	1,699.65	1,686.36	13.29	127.852				
3,100.00	3,098.18	3,485.44	3,470.19	10.85	9.32	-137.37	453.32	-1,546.78	1,686.78	1,672.95	13.83	121.936				
3,200.00	3,197.93	3,600.07	3,582.02	11.22	9.78	-137.79	440.68	-1,525.05	1,670.70	1,656.37	14.33	116.621				
3,300.00	3,297.68	3,688.94	3,668.75	11.58	10.15	-138.11	431.34	-1,508.02	1,654.66	1,639.86	14.80	111.807				
3,400.00	3,397.43	3,769.69	3,747.71	11.94	10.49	-138.38	423.61	-1,493.04	1,639.53	1,624.26	15.27	107.386				
3,500.00	3,497.17	3,850.13	3,826.61	12.30	10.82	-138.64	416.60	-1,478.99	1,625.68	1,609.94	15.74	103.304				
3,600.00	3,596.92	3,964.77	3,938.99	12.67	11.30	-139.04	405.93	-1,459.08	1,611.85	1,595.61	16.24	99.226				
3,700.00	3,696.67	4,070.08	4,041.97	13.03	11.76	-139.47	394.48	-1,440.22	1,597.18	1,580.43	16.75	95.373				
3,800.00	3,796.42	4,169.22	4,138.91	13.40	12.19	-139.88	383.56	-1,422.56	1,582.65	1,565.41	17.25	91.768				
3,900.00	3,896.16	4,272.46	4,239.82	13.76	12.65	-140.30	372.71	-1,403.67	1,567.85	1,550.10	17.75	88.318				
4,000.00	3,995.91	4,375.02	4,340.11	14.13	13.11	-140.68	363.10	-1,384.43	1,552.92	1,534.66	18.26	85.051				
4,100.00	4,095.66	4,473.53	4,436.48	14.50	13.55	-140.96	356.17	-1,365.24	1,537.82	1,519.06	18.76	81.974				
4,200.00	4,195.41	4,553.07	4,514.41	14.86	13.90	-141.13	352.12	-1,349.83	1,523.29	1,504.04	19.24	79.158				
4,300.00	4,295.15	4,623.07	4,583.19	15.23	14.20	-141.32	348.06	-1,337.54	1,510.42	1,490.70	19.72	76.606				
4,400.00	4,394.90	4,688.00	4,647.19	15.60	14.48	-141.54	343.14	-1,327.76	1,499.69	1,479.51	20.18	74.314				
4,500.00	4,494.65	4,763.48	4,721.76	15.97	14.79	-141.84	336.78	-1,317.98	1,490.94	1,470.28	20.65	72.184				
4,600.00	4,494.40	4,861.83	4,819.09	16.34	15.19	-142.23	328.99	-1,306.20	1,483.29	1,462.13	21.16	70.094				
4,700.00	4,694.15	4,979.00	4,935.00	16.70	15.67	-142.62	321.17	-1,290.94	1,474.90	1,453.20	21.69	67.984				
4,800.00	4,793.89	5,067.71	5,022.77	17.07	16.03	-142.89	316.35	-1,279.03	1,466.36	1,444.17	22.19	66.091				
4,900.00	4,893.64	5,254.17	5,206.74	17.44	16.82	-143.58	302.44	-1,252.34	1,457.90	1,435.10	22.80	63.950				
5,000.00	4,993.39	5,384.05	5,333.28	17.81	17.44	-144.23	287.87	-1,227.01	1,442.43	1,419.09	23.35	61.784				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 603H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 117-OWSG (Rev2) MWD, 1363-OWSG (Rev2) MWD, 23350-BLIND													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
5,100.00	5,093.14	5,483.08	5,429.61	18.18	17.93	-144.73	276.85	-1,206.89	1,426.37	1,402.49	23.87	59.746				
5,200.00	5,192.88	5,580.88	5,524.79	18.55	18.40	-145.21	266.54	-1,186.87	1,410.35	1,385.95	24.40	57.799				
5,300.00	5,292.63	5,679.82	5,621.13	18.92	18.89	-145.68	256.76	-1,166.57	1,394.47	1,369.54	24.93	55.936				
5,400.00	5,392.38	5,772.79	5,711.69	19.29	19.34	-146.11	248.06	-1,147.41	1,378.67	1,353.21	25.46	54.159				
5,500.00	5,492.13	5,856.40	5,793.30	19.66	19.74	-146.47	241.01	-1,130.73	1,363.71	1,337.74	25.98	52.499				
5,600.00	5,591.87	5,944.75	5,879.78	20.03	20.16	-146.86	233.78	-1,114.14	1,350.01	1,323.51	26.50	50.948				
5,700.00	5,691.62	6,048.99	5,981.82	20.40	20.65	-147.30	225.81	-1,094.39	1,336.28	1,309.25	27.03	49.438				
5,800.00	5,791.37	6,150.66	6,081.32	20.77	21.13	-147.72	218.38	-1,074.82	1,322.36	1,294.80	27.56	47.981				
5,900.00	5,891.12	6,234.70	6,163.57	21.14	21.52	-148.08	212.26	-1,058.71	1,308.64	1,280.56	28.08	46.602				
6,000.00	5,990.86	6,310.75	6,238.25	21.52	21.87	-148.42	206.43	-1,045.63	1,296.84	1,268.24	28.60	45.352				
6,100.00	6,090.61	6,406.27	6,332.22	21.89	22.31	-148.87	199.07	-1,030.07	1,286.06	1,256.94	29.13	44.157				
6,200.00	6,190.36	6,512.45	6,436.59	22.26	22.79	-149.38	190.68	-1,012.46	1,275.07	1,245.40	29.67	42.979				
6,300.00	6,290.11	6,615.25	6,537.58	22.63	23.26	-149.88	182.66	-995.00	1,263.77	1,233.56	30.21	41.836				
6,400.00	6,389.85	6,698.24	6,619.10	23.00	23.64	-150.29	176.16	-980.92	1,252.65	1,221.91	30.73	40.761				
6,500.00	6,489.60	6,760.00	6,679.99	23.37	23.91	-150.61	171.06	-971.92	1,243.99	1,212.77	31.22	39.844				
6,600.00	6,589.35	6,842.93	6,762.02	23.74	24.26	-151.03	164.64	-961.59	1,237.53	1,205.80	31.73	39.002				
6,700.00	6,689.10	6,908.31	6,826.89	24.12	24.52	-151.34	160.23	-954.78	1,233.24	1,201.05	32.19	38.311				
6,800.00	6,788.84	6,979.55	6,897.78	24.49	24.79	-151.66	155.56	-949.44	1,231.82	1,199.18	32.65	37.733				
6,835.37	6,824.12	7,009.61	6,927.71	24.62	24.90	-151.80	153.65	-947.50	1,231.74	1,198.93	32.82	37.534				
6,900.00	6,888.59	7,069.15	6,987.04	24.86	25.11	-152.06	150.08	-943.98	1,231.96	1,198.82	33.14	37.174				
7,000.00	6,988.34	7,170.63	7,088.26	25.23	25.47	-152.39	146.20	-937.93	1,232.29	1,198.63	33.66	36.610				
7,069.58	7,057.74	7,238.52	7,156.02	25.49	25.70	-152.57	144.61	-933.91	1,232.57	1,198.56	34.01	36.241				
7,100.00	7,088.09	7,267.65	7,185.09	25.60	25.80	-152.65	143.99	-932.22	1,232.63	1,198.47	34.16	36.083				
7,200.00	7,187.97	7,365.33	7,282.59	25.97	26.14	-152.85	141.71	-926.74	1,231.49	1,196.83	34.66	35.530				
7,300.00	7,287.93	7,463.28	7,380.36	26.33	26.48	-152.99	139.50	-921.31	1,228.11	1,192.95	35.16	34.933				
7,341.07	7,329.00	7,502.22	7,419.24	26.47	26.61	-91.13	138.77	-919.23	1,226.13	1,190.78	35.35	34.681				
7,400.00	7,387.93	7,548.09	7,465.06	26.67	26.76	-91.17	138.09	-917.03	1,223.33	1,187.73	35.60	34.359				
7,500.00	7,487.93	7,623.82	7,540.74	27.02	27.00	-91.19	137.72	-914.72	1,220.26	1,184.25	36.01	33.887				
7,600.00	7,587.93	7,711.40	7,628.31	27.37	27.26	-91.14	138.73	-913.35	1,218.67	1,182.23	36.44	33.446				
7,700.00	7,687.93	7,813.82	7,730.70	27.72	27.56	-91.04	140.82	-912.13	1,217.44	1,180.53	36.91	32.985				
7,800.00	7,787.93	7,916.89	7,833.75	28.06	27.86	-90.97	142.36	-910.63	1,215.95	1,178.57	37.39	32.522				
7,900.00	7,887.93	8,021.76	7,938.60	28.41	28.18	-90.93	143.21	-908.88	1,214.28	1,176.40	37.88	32.055				
8,000.00	7,987.93	8,130.41	8,047.21	28.76	28.52	-90.91	143.69	-906.23	1,211.83	1,173.44	38.39	31.565				
8,100.00	8,087.93	8,219.98	8,136.75	29.11	28.81	-90.92	143.55	-903.95	1,209.31	1,170.47	38.84	31.135				
8,200.00	8,187.93	8,303.35	8,220.12	29.46	29.07	-90.93	143.36	-903.08	1,208.25	1,168.99	39.26	30.774				
8,300.00	8,287.93	8,400.70	8,317.47	29.81	29.36	-90.96	142.69	-902.94	1,208.11	1,168.38	39.73	30.406				
8,392.71	8,380.65	8,490.39	8,407.15	30.13	29.62	-91.01	141.64	-902.49	1,207.68	1,167.51	40.17	30.067 CC				
8,400.00	8,387.93	8,496.05	8,412.81	30.16	29.64	-91.02	141.59	-902.49	1,207.68	1,167.49	40.19	30.046				
8,500.00	8,487.93	8,585.78	8,502.53	30.51	29.90	-91.03	141.29	-903.34	1,208.60	1,167.97	40.63	29.750				
8,600.00	8,587.93	8,687.76	8,604.49	30.86	30.19	-91.12	139.38	-903.88	1,209.15	1,168.04	41.11	29.413				
8,700.00	8,687.93	8,779.89	8,696.59	31.21	30.45	-91.21	137.45	-905.07	1,210.48	1,168.92	41.56	29.129				
8,800.00	8,787.93	8,881.14	8,797.79	31.56	30.75	-91.35	134.35	-906.41	1,211.86	1,169.82	42.04	28.824				
8,900.00	8,887.93	8,983.26	8,899.78	31.91	31.05	-91.58	129.58	-907.66	1,213.21	1,170.66	42.54	28.517				
9,000.00	8,987.93	9,081.81	8,998.18	32.26	31.35	-91.83	124.20	-908.66	1,214.39	1,171.35	43.03	28.220				
9,100.00	9,087.93	9,181.81	9,098.02	32.61	31.66	-92.09	118.64	-909.89	1,215.81	1,172.28	43.53	27.931				
9,200.00	9,187.93	9,286.67	9,202.71	32.96	31.99	-92.37	112.67	-910.89	1,216.99	1,172.94	44.05	27.628				
9,300.00	9,287.93	9,390.03	9,305.90	33.31	32.31	-92.64	106.90	-911.48	1,217.80	1,173.24	44.56	27.328				
9,400.00	9,387.93	9,495.01	9,410.73	33.66	32.64	-92.91	101.23	-911.74	1,218.31	1,173.23	45.08	27.023				
9,500.00	9,487.93	9,600.35	9,515.90	34.01	32.99	-93.18	95.35	-911.50	1,218.38	1,172.77	45.61	26.713				
9,600.00	9,587.93	9,701.41	9,616.78	34.36	33.32	-93.48	89.15	-911.00	1,218.24	1,172.12	46.12	26.414				
9,700.00	9,687.93	9,807.32	9,722.61	34.72	33.66	-93.65	85.46	-910.37	1,217.87	1,171.23	46.64	26.111				
9,800.00	9,787.93	9,918.27	9,833.55	35.07	34.01	-93.64	85.83	-909.15	1,216.75	1,169.59	47.16	25.798				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 117-OWSG (Rev2) MWD, 1363-OWSG (Rev2) MWD, 23350-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,900.00	9,887.93	10,007.47	9,922.73	35.42	34.28	-93.56	87.52	-907.87	1,215.25	1,167.65	47.60	25.530		
9,931.22	9,919.15	10,030.36	9,945.60	35.53	34.35	-93.52	88.33	-907.84	1,215.14	1,167.42	47.72	25.467		
10,000.00	9,987.93	10,087.63	10,002.80	35.77	34.52	-93.40	91.02	-908.39	1,215.58	1,167.59	47.99	25.331		
10,100.00	10,087.93	10,184.69	10,099.76	36.12	34.79	-93.19	95.26	-909.70	1,216.68	1,168.25	48.43	25.121		
10,200.00	10,187.93	10,280.10	10,195.11	36.48	35.06	-93.05	98.24	-911.12	1,218.00	1,169.12	48.87	24.922		
10,300.00	10,287.93	10,379.87	10,294.78	36.83	35.33	-92.87	102.02	-913.19	1,219.87	1,170.54	49.33	24.729		
10,400.00	10,387.93	10,496.15	10,410.81	37.18	35.66	-92.51	109.47	-914.55	1,220.73	1,170.88	49.85	24.489		
10,500.00	10,487.93	10,607.62	10,522.01	37.53	35.98	-92.15	117.25	-914.68	1,220.56	1,170.22	50.34	24.244		
10,600.00	10,587.93	10,716.18	10,630.33	37.89	36.30	-91.81	124.42	-913.87	1,219.58	1,168.75	50.83	23.992		
10,700.00	10,687.93	10,816.82	10,730.78	38.24	36.60	-91.53	130.44	-912.70	1,218.25	1,166.95	51.30	23.748		
10,800.00	10,787.93	10,916.32	10,830.10	38.59	36.90	-91.26	136.31	-911.52	1,216.92	1,165.15	51.76	23.509		
10,900.00	10,887.93	11,010.54	10,924.19	38.94	37.19	-91.02	141.25	-910.63	1,215.87	1,163.65	52.21	23.286		
11,000.00	10,987.93	11,102.89	11,016.49	39.30	37.47	-90.89	144.09	-910.23	1,215.38	1,162.72	52.66	23.080		
11,021.96	11,009.89	11,122.79	11,036.39	39.38	37.53	-90.88	144.41	-910.22	1,215.36	1,162.60	52.76	23.037		
11,100.00	11,087.93	11,193.72	11,107.32	39.65	37.75	-90.84	145.09	-910.44	1,215.60	1,162.50	53.10	22.892 ES		
11,200.00	11,187.93	11,274.81	11,188.40	40.00	37.99	-90.85	144.87	-911.30	1,216.71	1,163.21	53.50	22.742		
11,300.00	11,287.93	11,334.00	11,247.43	40.36	38.17	-91.01	141.50	-913.38	1,220.41	1,166.63	53.79	22.689		
11,400.00	11,387.93	11,403.06	11,315.59	40.71	38.39	-91.48	131.37	-917.70	1,227.09	1,172.97	54.12	22.675		
11,500.00	11,487.93	11,491.02	11,399.48	41.07	38.68	-92.64	106.27	-924.51	1,236.17	1,181.60	54.57	22.652		
11,600.00	11,587.93	11,578.37	11,477.30	41.42	38.99	-94.44	67.14	-929.68	1,245.96	1,190.92	55.04	22.638		
11,700.00	11,687.93	11,676.14	11,558.68	41.77	39.36	-96.89	13.22	-934.62	1,258.31	1,202.72	55.60	22.634		
11,800.00	11,787.93	11,758.96	11,622.57	42.13	39.71	-99.26	-39.37	-935.99	1,271.93	1,215.90	56.03	22.700		
11,900.00	11,887.93	11,851.24	11,685.41	42.48	40.14	-102.28	-106.81	-934.21	1,288.76	1,232.23	56.53	22.797		
12,000.00	11,987.93	11,900.00	11,714.59	42.83	40.40	-104.02	-145.76	-931.49	1,309.26	1,252.68	56.58	23.142		
12,100.00	12,087.93	11,917.11	11,724.06	43.19	40.49	-104.65	-159.99	-930.58	1,335.43	1,279.23	56.20	23.762		
12,179.11	12,167.04	11,947.00	11,739.56	43.47	40.65	-105.77	-185.51	-929.38	1,360.60	1,304.59	56.01	24.293		
12,200.00	12,187.93	11,947.00	11,739.56	43.54	40.65	74.08	-185.51	-929.38	1,367.62	1,311.76	55.86	24.482		
12,250.00	12,237.75	11,947.00	11,739.56	43.70	40.65	72.34	-185.51	-929.38	1,384.74	1,329.26	55.48	24.959		
12,300.00	12,287.04	11,947.00	11,739.56	43.85	40.65	70.57	-185.51	-929.38	1,402.22	1,347.14	55.07	25.461		
12,350.00	12,335.41	11,964.81	11,748.19	44.00	40.74	68.30	-201.08	-929.03	1,419.47	1,364.62	54.85	25.881		
12,400.00	12,382.50	11,974.39	11,752.64	44.14	40.80	66.36	-209.56	-929.02	1,436.62	1,382.11	54.51	26.353		
12,450.00	12,427.95	11,994.00	11,761.37	44.27	40.90	64.29	-227.12	-929.41	1,453.54	1,399.25	54.29	26.774		
12,500.00	12,471.42	11,994.00	11,761.37	44.39	40.90	62.77	-227.12	-929.41	1,469.68	1,415.84	53.84	27.297		
12,550.00	12,512.57	11,994.00	11,761.37	44.50	40.90	61.30	-227.12	-929.41	1,485.47	1,432.07	53.40	27.817		
12,600.00	12,551.09	12,019.98	11,772.11	44.59	41.03	59.57	-250.73	-930.63	1,499.98	1,446.72	53.26	28.163		
12,650.00	12,586.68	12,042.00	11,780.50	44.68	41.15	58.11	-271.03	-932.23	1,513.83	1,460.74	53.09	28.514		
12,700.00	12,619.09	12,042.00	11,780.50	44.76	41.15	57.01	-271.03	-932.23	1,526.42	1,473.71	52.71	28.960		
12,750.00	12,648.05	12,063.67	11,787.94	44.84	41.26	55.89	-291.30	-934.04	1,537.81	1,485.23	52.58	29.247		
12,800.00	12,673.35	12,089.00	11,795.41	44.93	41.39	54.93	-315.41	-936.12	1,547.92	1,495.42	52.51	29.480		
12,850.00	12,694.80	12,089.00	11,795.41	45.04	41.39	54.21	-315.41	-936.12	1,556.53	1,504.30	52.23	29.802		
12,900.00	12,712.23	12,117.27	11,802.11	45.16	41.54	53.58	-342.79	-938.24	1,563.53	1,511.28	52.24	29.928		
12,950.00	12,725.51	12,136.00	11,805.56	45.28	41.64	53.12	-361.16	-939.46	1,568.99	1,516.79	52.20	30.056		
13,000.00	12,734.55	12,136.00	11,805.56	45.41	41.64	52.79	-361.16	-939.46	1,573.13	1,521.07	52.07	30.213		
13,050.00	12,739.26	12,185.56	11,812.28	45.54	41.92	52.74	-410.17	-942.41	1,574.65	1,522.31	52.33	30.089		
13,079.11	12,740.00	12,199.85	11,813.70	45.62	42.00	52.77	-424.36	-943.24	1,574.92	1,522.52	52.40	30.056		
13,082.97	12,740.00	12,201.74	11,813.87	45.63	42.02	52.78	-426.24	-943.35	1,574.92	1,522.51	52.41	30.050		
13,100.00	12,740.00	12,210.10	11,814.57	45.68	42.06	52.81	-434.56	-943.83	1,574.96	1,522.51	52.45	30.026		
13,200.00	12,740.00	12,262.00	11,817.18	45.98	42.37	52.96	-486.30	-946.76	1,577.14	1,524.41	52.73	29.908		
13,300.00	12,740.00	12,347.84	11,818.33	46.34	42.92	53.12	-572.01	-951.31	1,581.34	1,528.12	53.23	29.708		
13,400.00	12,740.00	12,437.34	11,817.58	46.75	43.53	53.20	-661.41	-955.27	1,586.18	1,532.41	53.78	29.496		
13,500.00	12,740.00	12,600.92	11,813.90	47.22	44.79	53.16	-824.93	-956.55	1,588.70	1,533.90	54.80	28.992		
13,600.00	12,740.00	12,764.36	11,811.34	47.73	46.20	53.01	-988.25	-951.65	1,588.15	1,532.21	55.94	28.391		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 603H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 117-OWSG (Rev2) MWD, 1363-OWSG (Rev2) MWD, 23350-BLIND													Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
13,700.00	12,740.00	12,868.60	11,812.11	48.30	47.16	52.96	-1,092.39	-947.18	1,585.06	1,528.30	56.76	27.923				
13,800.00	12,740.00	12,962.51	11,812.46	48.92	48.07	52.90	-1,186.22	-943.07	1,582.14	1,524.58	57.56	27.488				
13,900.00	12,740.00	13,049.73	11,811.33	49.58	48.94	52.79	-1,273.31	-938.70	1,579.73	1,521.42	58.32	27.089				
14,000.00	12,740.00	13,191.28	11,808.22	50.29	50.42	52.56	-1,414.62	-931.15	1,578.06	1,518.50	59.56	26.495				
14,100.00	12,740.00	13,283.63	11,807.95	51.04	51.42	52.43	-1,506.74	-924.58	1,573.40	1,512.95	60.45	26.029				
14,200.00	12,740.00	13,343.38	11,807.01	51.83	52.08	52.34	-1,566.37	-921.00	1,570.50	1,509.43	61.07	25.716				
14,250.72	12,740.00	13,370.85	11,806.33	52.25	52.38	52.30	-1,593.81	-919.95	1,570.13	1,508.75	61.38	25.582				
14,300.00	12,740.00	13,396.00	11,805.56	52.66	52.66	52.27	-1,618.94	-919.32	1,570.48	1,508.82	61.66	25.471				
14,400.00	12,740.00	13,491.00	11,801.99	53.53	53.74	52.15	-1,713.86	-917.51	1,572.07	1,509.41	62.66	25.088				
14,500.00	12,740.00	13,580.01	11,798.43	54.44	54.76	52.04	-1,802.78	-916.31	1,574.25	1,510.61	63.64	24.735				
14,600.00	12,740.00	13,673.47	11,795.55	55.38	55.85	51.98	-1,896.20	-916.43	1,577.03	1,512.30	64.73	24.364				
14,700.00	12,740.00	13,767.30	11,792.97	56.35	56.96	51.94	-1,989.99	-917.25	1,580.20	1,514.34	65.86	23.993				
14,800.00	12,740.00	13,891.44	11,791.47	57.35	58.45	51.96	-2,114.10	-918.85	1,582.72	1,515.33	67.39	23.485				
14,900.00	12,740.00	13,984.54	11,791.47	58.39	59.59	52.01	-2,207.19	-920.09	1,584.56	1,515.94	68.63	23.089				
15,000.00	12,740.00	14,059.00	11,789.91	59.45	60.51	52.01	-2,281.62	-921.24	1,587.80	1,518.16	69.64	22.799				
15,100.00	12,740.00	14,202.83	11,788.27	60.54	62.33	52.03	-2,425.42	-922.85	1,590.11	1,518.60	71.52	22.234				
15,200.00	12,740.00	14,327.41	11,788.02	61.65	63.93	52.04	-2,549.99	-922.12	1,590.58	1,517.40	73.18	21.734				
15,300.00	12,740.00	14,446.53	11,788.03	62.79	65.50	52.00	-2,669.09	-919.51	1,589.65	1,514.86	74.79	21.254				
15,400.00	12,740.00	14,596.42	11,791.03	63.94	67.53	51.97	-2,818.78	-912.51	1,585.05	1,508.26	76.80	20.640				
15,500.00	12,740.00	14,663.81	11,792.80	65.12	68.45	51.97	-2,886.09	-909.73	1,581.07	1,503.20	77.87	20.303				
15,600.00	12,740.00	14,722.00	11,792.84	66.32	69.25	51.95	-2,944.25	-908.22	1,579.74	1,500.92	78.82	20.043				
15,601.20	12,740.00	14,722.00	11,792.84	66.34	69.25	51.95	-2,944.25	-908.22	1,579.74	1,500.91	78.82	20.042				
15,700.00	12,740.00	14,798.79	11,791.24	67.54	70.30	51.89	-3,021.01	-906.96	1,580.48	1,500.51	79.97	19.764				
15,800.00	12,740.00	14,882.65	11,788.00	68.78	71.46	51.79	-3,104.80	-905.65	1,582.41	1,501.23	81.18	19.492				
15,900.00	12,740.00	14,962.05	11,783.47	70.04	72.56	51.65	-3,184.06	-904.31	1,585.42	1,503.11	82.31	19.261				
16,000.00	12,740.00	15,067.47	11,776.86	71.31	74.04	51.47	-3,289.27	-903.47	1,589.49	1,505.72	83.77	18.974				
16,100.00	12,740.00	15,210.67	11,772.73	72.59	76.05	51.36	-3,432.37	-902.31	1,591.41	1,505.60	85.80	18.547				
16,200.00	12,740.00	15,317.50	11,774.75	73.89	77.56	51.46	-3,539.17	-903.33	1,591.75	1,504.21	87.54	18.184				
16,300.00	12,740.00	15,418.48	11,777.34	75.21	79.00	51.59	-3,640.11	-904.86	1,592.11	1,502.88	89.23	17.843				
16,400.00	12,740.00	15,533.25	11,781.74	76.53	80.64	51.78	-3,754.78	-906.74	1,591.79	1,500.62	91.18	17.458				
16,500.00	12,740.00	15,677.29	11,789.86	77.87	82.72	52.08	-3,898.57	-908.27	1,590.04	1,496.44	93.60	16.988				
16,600.00	12,740.00	15,781.03	11,795.78	79.22	84.24	52.24	-4,002.14	-907.08	1,586.40	1,490.98	95.42	16.625				
16,700.00	12,740.00	15,857.00	11,798.45	80.59	85.36	52.29	-4,078.03	-905.15	1,583.13	1,486.32	96.80	16.354				
16,800.00	12,740.00	15,938.98	11,799.44	81.96	86.57	52.29	-4,159.98	-902.97	1,581.15	1,482.94	98.21	16.099				
16,900.00	12,740.00	16,029.64	11,799.44	83.34	87.91	52.27	-4,250.62	-901.32	1,580.48	1,480.75	99.73	15.847				
16,951.97	12,740.00	16,074.04	11,799.78	84.07	88.56	52.29	-4,295.01	-900.97	1,580.33	1,479.83	100.50	15.724				
17,000.00	12,740.00	16,112.66	11,800.15	84.74	89.13	52.31	-4,333.63	-901.01	1,580.47	1,479.28	101.19	15.619				
17,100.00	12,740.00	16,243.68	11,803.33	86.14	91.07	52.45	-4,464.60	-902.27	1,580.67	1,477.24	103.43	15.282				
17,200.00	12,740.00	16,339.59	11,807.32	87.55	92.50	52.61	-4,560.43	-903.00	1,579.53	1,474.32	105.21	15.013				
17,300.00	12,740.00	16,454.89	11,812.01	88.97	94.22	52.78	-4,675.63	-903.80	1,578.47	1,471.18	107.29	14.712				
17,400.00	12,740.00	16,601.91	11,821.46	90.39	96.44	53.05	-4,822.32	-901.79	1,573.99	1,464.13	109.86	14.327				
17,500.00	12,740.00	16,764.66	11,832.21	91.83	98.93	53.24	-4,984.55	-894.86	1,567.69	1,455.22	112.47	13.939				
17,600.00	12,740.00	16,873.31	11,841.11	93.27	100.61	53.35	-5,092.54	-886.89	1,557.64	1,443.23	114.41	13.615				
17,700.00	12,740.00	16,953.35	11,846.63	94.72	101.85	53.41	-5,172.20	-881.23	1,548.65	1,432.63	116.01	13.349				
17,800.00	12,740.00	17,028.98	11,851.33	96.17	103.02	53.47	-5,247.54	-876.76	1,541.01	1,423.44	117.57	13.108				
17,900.00	12,740.00	17,089.00	11,854.09	97.64	103.95	53.50	-5,307.42	-873.71	1,535.19	1,416.31	118.88	12.913				
18,000.00	12,740.00	17,169.41	11,857.44	99.10	105.19	53.56	-5,387.72	-871.30	1,531.20	1,410.74	120.46	12.711				
18,100.00	12,740.00	17,275.36	11,862.26	100.58	106.82	53.70	-5,493.56	-870.00	1,528.33	1,405.86	122.46	12.480				
18,200.00	12,740.00	17,398.14	11,868.42	102.05	108.72	53.84	-5,616.12	-866.34	1,523.64	1,398.96	124.67	12.221				
18,300.00	12,740.00	17,468.00	11,872.41	103.54	109.80	53.95	-5,685.86	-865.28	1,519.84	1,393.64	126.20	12.043				
18,400.00	12,740.00	17,588.00	11,879.18	105.03	111.66	54.14	-5,805.65	-863.19	1,515.83	1,387.36	128.47	11.799				
18,500.00	12,740.00	17,656.00	11,882.97	106.52	112.71	54.25	-5,873.53	-862.47	1,512.59	1,382.61	129.97	11.638				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 117-OWSG (Rev2) MWD, 1363-OWSG (Rev2) MWD, 23350-BLIND												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		
18,599.70	12,740.00	17,724.98	11,886.02	108.01	113.77	54.37	-5,942.44	-862.94	1,511.42	1,379.96	131.46	11.497	
18,600.00	12,740.00	17,725.18	11,886.03	108.02	113.78	54.37	-5,942.64	-862.94	1,511.42	1,379.96	131.46	11.497	
18,700.00	12,740.00	17,850.78	11,891.21	109.52	115.71	54.61	-6,068.11	-865.11	1,511.40	1,377.47	133.93	11.285	
18,800.00	12,740.00	18,002.89	11,903.25	111.03	118.08	55.00	-6,219.73	-864.74	1,507.14	1,370.23	136.91	11.008	
18,900.00	12,740.00	18,103.34	11,911.49	112.54	119.65	55.25	-6,319.83	-863.15	1,501.96	1,362.92	139.04	10.802	
19,000.00	12,740.00	18,238.50	11,921.91	114.05	121.78	55.51	-6,454.51	-858.77	1,495.73	1,354.15	141.59	10.564	
19,100.00	12,740.00	18,321.05	11,926.73	115.57	123.08	55.59	-6,536.79	-854.36	1,488.85	1,345.51	143.34	10.387	
19,200.00	12,740.00	18,414.00	11,930.33	117.09	124.55	55.60	-6,629.51	-848.88	1,482.62	1,337.50	145.12	10.216	
19,300.00	12,740.00	18,485.16	11,932.61	118.62	125.68	55.61	-6,700.55	-845.39	1,477.62	1,330.98	146.64	10.077	
19,400.00	12,740.00	18,562.44	11,934.35	120.15	126.90	55.63	-6,777.77	-842.99	1,474.57	1,326.37	148.21	9.949	
19,500.00	12,740.00	18,678.18	11,937.86	121.68	128.72	55.72	-6,893.43	-840.83	1,472.22	1,321.82	150.39	9.789	
19,600.00	12,740.00	18,764.96	11,942.40	123.21	130.09	55.86	-6,980.08	-839.57	1,468.93	1,316.68	152.25	9.648	
19,700.00	12,740.00	18,844.65	11,947.26	124.75	131.34	56.05	-7,059.62	-840.31	1,467.10	1,313.03	154.08	9.522	
19,800.00	12,740.00	18,930.33	11,952.53	126.29	132.68	56.29	-7,145.11	-842.41	1,466.52	1,310.48	156.04	9.398	
19,900.00	12,740.00	19,087.90	11,964.27	127.84	135.14	56.78	-7,302.18	-846.18	1,465.69	1,306.26	159.43	9.193	
20,000.00	12,740.00	19,163.48	11,971.46	129.38	136.33	57.06	-7,377.39	-847.52	1,462.73	1,301.35	161.38	9.064	
20,100.00	12,740.00	19,295.24	11,980.89	130.93	138.42	57.38	-7,508.79	-846.54	1,458.98	1,294.85	164.13	8.889	
20,200.00	12,740.00	19,381.12	11,986.09	132.48	139.78	57.54	-7,594.50	-844.77	1,454.83	1,288.76	166.07	8.760	
20,300.00	12,740.00	19,456.00	11,990.54	134.04	140.97	57.69	-7,669.24	-844.44	1,452.11	1,284.26	167.85	8.651	
20,400.00	12,740.00	19,550.00	11,995.66	135.59	142.45	57.90	-7,763.10	-845.01	1,450.56	1,280.60	169.96	8.535	
20,462.95	12,740.00	19,592.57	11,997.75	136.57	143.13	57.99	-7,805.61	-845.60	1,450.16	1,279.19	170.97	8.482	
20,500.00	12,740.00	19,618.88	11,998.99	137.15	143.54	58.05	-7,831.88	-846.23	1,450.30	1,278.72	171.58	8.453	
20,600.00	12,740.00	19,720.26	12,003.61	138.71	145.14	58.29	-7,933.11	-849.38	1,451.38	1,277.51	173.88	8.347	
20,700.00	12,740.00	19,855.66	12,011.42	140.27	147.28	58.63	-8,068.26	-851.69	1,450.60	1,273.73	176.87	8.202	
20,800.00	12,740.00	19,943.99	12,016.84	141.84	148.68	58.85	-8,156.42	-852.67	1,449.22	1,270.27	178.95	8.098	
20,900.00	12,740.00	20,028.67	12,019.45	143.41	150.02	58.96	-8,241.05	-853.08	1,448.87	1,268.07	180.80	8.014	
20,933.90	12,740.00	20,078.34	12,020.13	143.94	150.81	58.99	-8,290.71	-852.75	1,448.73	1,266.97	181.76	7.971	
21,000.00	12,740.00	20,154.93	12,021.49	144.97	152.04	59.02	-8,367.28	-851.38	1,447.65	1,264.41	183.25	7.900	
21,100.00	12,740.00	20,251.89	12,024.54	146.54	153.58	59.13	-8,464.19	-850.54	1,446.14	1,260.83	185.30	7.804	
21,200.00	12,740.00	20,342.33	12,029.68	148.12	155.02	59.34	-8,554.48	-851.24	1,444.77	1,257.35	187.42	7.709	
21,249.12	12,740.00	20,379.79	12,031.45	148.89	155.62	59.41	-8,591.89	-851.74	1,444.57	1,256.27	188.30	7.672	
21,300.00	12,740.00	20,418.89	12,032.79	149.69	156.24	59.48	-8,630.96	-852.33	1,444.78	1,255.59	189.18	7.637	
21,400.00	12,740.00	20,497.00	12,033.93	151.26	157.48	59.56	-8,709.05	-853.67	1,446.37	1,255.53	190.84	7.579	
21,500.00	12,740.00	20,625.26	12,034.08	152.84	159.52	59.60	-8,837.30	-854.24	1,447.50	1,254.10	193.39	7.485	
21,600.00	12,740.00	20,754.73	12,036.88	154.42	161.59	59.72	-8,966.74	-854.19	1,447.34	1,251.32	196.02	7.384	
21,700.00	12,740.00	20,836.36	12,040.20	156.00	162.89	59.85	-9,048.30	-853.83	1,445.87	1,247.98	197.88	7.307	
21,716.57	12,740.00	20,847.30	12,040.69	156.26	163.07	59.87	-9,059.22	-853.99	1,445.84	1,247.69	198.15	7.297	
21,800.00	12,740.00	20,875.00	12,041.98	157.58	163.51	59.93	-9,086.89	-854.62	1,447.06	1,248.28	198.78	7.280	
21,900.00	12,740.00	20,944.56	12,043.66	159.16	164.61	60.06	-9,156.35	-857.70	1,450.98	1,250.75	200.23	7.246	
22,000.00	12,740.00	21,091.02	12,045.74	160.75	166.92	60.32	-9,302.54	-865.70	1,456.13	1,252.43	203.70	7.148	
22,100.00	12,740.00	21,200.83	12,050.63	162.33	168.66	60.62	-9,412.08	-871.54	1,459.51	1,253.13	206.38	7.072	
22,200.00	12,740.00	21,313.77	12,058.93	163.92	170.45	61.01	-9,524.63	-875.90	1,460.03	1,250.78	209.25	6.977	
22,300.00	12,740.00	21,530.65	12,076.86	165.51	173.93	61.68	-9,740.66	-876.72	1,457.20	1,243.31	213.88	6.813	
22,400.00	12,740.00	21,648.50	12,088.55	167.10	175.84	62.02	-9,857.81	-871.76	1,449.61	1,233.07	216.54	6.694	
22,500.00	12,740.00	21,727.00	12,093.82	168.69	177.11	62.14	-9,936.01	-867.35	1,442.38	1,223.79	218.60	6.598	
22,600.00	12,740.00	21,805.06	12,096.85	170.28	178.38	62.18	-10,013.88	-863.10	1,436.65	1,216.16	220.48	6.516	
22,700.00	12,740.00	21,904.78	12,099.31	171.87	180.00	62.19	-10,113.45	-858.03	1,431.88	1,209.38	222.50	6.435	
22,800.00	12,740.00	21,979.06	12,100.38	173.47	181.20	62.17	-10,187.63	-854.36	1,427.74	1,203.56	224.18	6.369	
22,874.14	12,740.00	22,046.56	12,100.28	174.65	182.30	62.13	-10,255.07	-851.68	1,425.82	1,200.30	225.51	6.323 SF	

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1431-OWSG (Rev2) MWD															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
0.00	0.00	25.07	25.07	0.00	0.03	-73.97	505.39	-1,759.36	1,830.51							
100.00	100.00	119.74	119.74	0.13	0.17	-73.97	505.43	-1,759.57	1,830.74	1,830.52	0.22	8,514.026				
200.00	200.00	196.79	196.78	0.48	0.45	-73.98	505.39	-1,760.28	1,831.63	1,830.97	0.66	2,775.606				
300.00	300.00	288.11	288.08	0.84	0.78	-74.02	504.61	-1,762.43	1,833.65	1,832.50	1.15	1,601.406				
400.00	400.00	372.42	372.34	1.20	1.08	-74.06	503.91	-1,764.86	1,836.18	1,834.57	1.61	1,137.433				
500.00	500.00	464.86	464.73	1.56	1.41	-74.11	503.32	-1,768.04	1,839.33	1,837.23	2.10	874.542				
600.00	600.00	564.39	564.19	1.92	1.78	-74.17	502.33	-1,771.79	1,842.67	1,840.06	2.61	706.113				
700.00	700.00	658.00	657.72	2.28	2.12	-74.23	501.39	-1,775.51	1,846.23	1,843.13	3.10	595.195				
800.00	800.00	816.00	815.57	2.63	2.68	-74.31	500.03	-1,779.77	1,848.71	1,844.96	3.75	493.297				
900.00	900.00	854.96	854.49	2.99	2.82	-74.33	499.64	-1,781.42	1,851.57	1,847.46	4.10	451.275				
1,000.00	1,000.00	948.97	948.41	3.35	3.16	-74.39	498.82	-1,785.65	1,855.66	1,851.07	4.60	403.749				
1,100.00	1,100.00	1,064.35	1,063.64	3.71	3.59	-74.51	496.34	-1,790.99	1,859.55	1,854.41	5.14	361.492				
1,200.00	1,200.00	1,152.30	1,151.45	4.07	3.91	-74.62	493.75	-1,795.05	1,863.23	1,857.61	5.62	331.347				
1,300.00	1,300.00	1,255.78	1,254.80	4.43	4.29	-74.72	491.69	-1,799.89	1,867.22	1,861.07	6.14	304.015				
1,400.00	1,400.00	1,320.00	1,318.93	4.79	4.52	-74.79	490.29	-1,802.94	1,871.51	1,864.95	6.56	285.320				
1,500.00	1,500.00	1,404.61	1,403.32	5.14	4.70	-74.91	487.69	-1,808.36	1,877.01	1,870.08	6.93	270.786				
1,600.00	1,600.00	1,499.00	1,497.21	5.50	4.89	-75.10	483.52	-1,817.16	1,884.83	1,877.51	7.32	257.510				
1,700.00	1,700.00	1,550.55	1,548.37	5.86	4.93	-75.22	480.79	-1,822.83	1,893.57	1,885.97	7.60	249.227				
1,800.00	1,800.00	1,742.66	1,739.29	6.22	5.12	-75.69	469.50	-1,840.66	1,901.60	1,893.61	7.99	237.996				
1,900.00	1,900.00	2,081.51	2,077.29	6.58	5.54	-76.20	451.11	-1,836.80	1,897.38	1,888.86	8.53	222.538				
2,000.00	2,000.00	2,193.98	2,189.36	6.94	5.71	-76.26	447.01	-1,828.25	1,889.14	1,880.23	8.91	211.941				
2,100.00	2,100.00	2,314.69	2,309.53	7.29	5.91	-76.35	441.64	-1,818.21	1,880.01	1,870.69	9.32	201.660				
2,200.00	2,200.00	2,408.61	2,402.96	7.65	6.09	-76.45	436.39	-1,810.14	1,870.34	1,860.62	9.72	192.335				
2,300.00	2,299.99	2,505.06	2,498.93	8.01	6.29	-138.54	431.05	-1,802.18	1,861.99	1,851.86	10.13	183.742				
2,400.00	2,399.91	2,605.80	2,599.13	8.36	6.52	-138.82	424.43	-1,794.15	1,855.65	1,845.10	10.55	175.816				
2,471.49	2,471.26	2,677.48	2,670.38	8.61	6.70	-139.07	418.87	-1,788.60	1,852.31	1,841.45	10.86	170.517				
2,500.00	2,499.70	2,706.02	2,698.73	8.71	6.77	-139.17	416.52	-1,786.42	1,851.18	1,840.19	10.99	168.499				
2,600.00	2,599.45	2,780.42	2,772.73	9.06	6.96	-139.42	410.77	-1,781.15	1,847.92	1,836.53	11.40	162.167				
2,700.00	2,699.19	2,863.95	2,855.92	9.42	7.19	-139.66	405.39	-1,776.00	1,845.89	1,834.07	11.82	156.202				
2,800.00	2,798.94	3,100.57	3,090.96	9.78	7.86	-140.28	391.26	-1,753.51	1,841.00	1,828.57	12.43	148.100				
2,900.00	2,898.69	3,178.00	3,167.58	10.13	8.09	-140.51	385.60	-1,743.91	1,832.75	1,819.88	12.86	142.478				
3,000.00	2,998.44	3,249.92	3,238.83	10.49	8.32	-140.74	379.66	-1,736.10	1,825.86	1,812.56	13.30	137.332				
3,100.00	3,098.18	3,356.19	3,344.07	10.85	8.67	-141.15	369.26	-1,725.55	1,819.69	1,805.91	13.78	132.068				
3,200.00	3,197.93	3,445.50	3,432.45	11.22	8.98	-141.51	360.10	-1,716.57	1,813.38	1,799.14	14.24	127.311				
3,300.00	3,297.68	3,519.29	3,505.59	11.58	9.23	-141.79	353.18	-1,709.74	1,808.11	1,793.42	14.69	123.106				
3,400.00	3,397.43	3,592.01	3,577.81	11.94	9.48	-142.06	346.74	-1,704.07	1,804.43	1,789.30	15.13	119.272				
3,500.00	3,497.17	3,649.00	3,634.46	12.30	9.67	-142.27	341.94	-1,700.30	1,802.33	1,786.79	15.54	115.973				
3,600.00	3,596.92	3,744.00	3,729.07	12.67	9.99	-142.60	334.59	-1,695.81	1,802.00	1,785.98	16.02	112.501				
3,603.99	3,600.90	3,744.00	3,729.07	12.68	9.99	-142.60	334.59	-1,695.81	1,802.00	1,785.97	16.03	112.415				
3,700.00	3,696.67	3,854.65	3,839.42	13.03	10.36	-142.93	328.28	-1,690.83	1,802.37	1,785.85	16.52	109.104				
3,800.00	3,796.42	4,008.12	3,992.10	13.40	10.89	-143.41	317.78	-1,679.61	1,799.57	1,782.47	17.10	105.241				
3,900.00	3,896.16	4,096.70	4,080.03	13.76	11.21	-143.75	309.64	-1,672.58	1,796.06	1,778.48	17.58	102.178				
4,000.00	3,995.91	4,228.74	4,211.24	14.13	11.69	-144.18	300.23	-1,661.41	1,792.48	1,774.35	18.13	98.893				
4,100.00	4,095.66	4,322.86	4,304.84	14.50	12.01	-144.39	296.34	-1,652.33	1,788.09	1,769.48	18.60	96.118				
4,200.00	4,195.41	4,444.86	4,426.11	14.86	12.44	-144.62	292.34	-1,639.68	1,783.16	1,764.04	19.12	93.251				
4,300.00	4,295.15	4,547.67	4,528.13	15.23	12.81	-144.88	287.09	-1,628.05	1,777.04	1,757.42	19.62	90.571				
4,400.00	4,394.90	4,626.17	4,606.00	15.60	13.11	-145.14	281.23	-1,620.01	1,771.76	1,751.67	20.09	88.199				
4,500.00	4,494.65	4,700.49	4,679.79	15.97	13.38	-145.40	275.33	-1,613.47	1,767.89	1,747.34	20.55	86.032				
4,600.00	4,594.40	4,778.00	4,756.90	16.34	13.67	-145.65	270.12	-1,607.67	1,765.50	1,744.48	21.01	84.025				
4,700.00	4,694.15	4,867.32	4,845.86	16.70	13.99	-145.92	264.71	-1,601.73	1,764.08	1,742.59	21.49	82.075				
4,800.00	4,793.89	4,953.61	4,931.80	17.07	14.31	-146.19	259.12	-1,596.49	1,763.25	1,741.28	21.97	80.255				
4,846.15	4,839.92	4,992.56	4,970.62	17.24	14.45	-146.32	256.56	-1,594.36	1,763.15	1,740.96	22.19	79.462				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - OH		Offset Site Error: 0.00 usft	
Survey Program: 112-OWSG (Rev2) MWD, 1431-OWSG (Rev2) MWD													Offset Well Error: 0.00 usft			
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
4,900.00	4,893.64	5,037.64	5,015.55	17.44	14.61	-146.46	253.74	-1,592.07	1,763.29	1,740.84	22.44	78.572				
5,000.00	4,993.39	5,133.10	5,110.75	17.81	14.95	-146.75	248.26	-1,587.63	1,764.04	1,741.10	22.94	76.913				
5,100.00	5,093.14	5,232.34	5,209.73	18.18	15.31	-147.03	242.88	-1,582.99	1,764.85	1,741.41	23.44	75.301				
5,200.00	5,192.88	5,340.10	5,317.20	18.55	15.69	-147.35	236.91	-1,577.78	1,765.54	1,741.59	23.96	73.693				
5,300.00	5,292.63	5,461.96	5,438.69	18.92	16.14	-147.70	230.21	-1,571.07	1,765.66	1,741.15	24.51	72.041				
5,400.00	5,392.38	5,591.00	5,567.04	19.29	16.62	-148.12	221.30	-1,561.09	1,763.27	1,738.19	25.08	70.314				
5,500.00	5,492.13	5,679.76	5,655.26	19.66	16.96	-148.44	214.28	-1,554.42	1,761.26	1,735.69	25.57	68.879				
5,600.00	5,591.87	5,774.13	5,749.06	20.03	17.32	-148.80	206.30	-1,547.78	1,759.77	1,733.70	26.08	67.485				
5,700.00	5,691.62	5,872.95	5,847.32	20.40	17.70	-149.17	198.35	-1,540.92	1,758.49	1,731.90	26.59	66.131				
5,800.00	5,791.37	5,976.66	5,950.47	20.77	18.09	-149.53	190.56	-1,533.61	1,757.19	1,730.07	27.12	64.804				
5,900.00	5,891.12	6,080.24	6,053.50	21.14	18.49	-149.89	182.99	-1,525.98	1,755.65	1,728.01	27.64	63.521				
6,000.00	5,990.86	6,185.61	6,158.28	21.52	18.89	-150.25	175.31	-1,517.96	1,753.93	1,725.76	28.17	62.269				
6,100.00	6,090.61	6,272.11	6,244.31	21.89	19.22	-150.55	168.99	-1,511.49	1,752.41	1,723.75	28.66	61.150				
6,184.91	6,175.30	6,338.52	6,310.39	22.20	19.47	-150.79	164.07	-1,507.11	1,751.92	1,722.86	29.06	60.291 CC				
6,200.00	6,190.36	6,350.05	6,321.87	22.26	19.52	-150.83	163.23	-1,506.43	1,751.94	1,722.81	29.13	60.146 ES				
6,300.00	6,290.11	6,426.16	6,397.69	22.63	19.80	-151.08	157.92	-1,502.48	1,752.83	1,723.25	29.59	59.240				
6,400.00	6,389.85	6,502.30	6,473.65	23.00	20.08	-151.31	153.54	-1,499.54	1,755.12	1,725.08	30.04	58.423				
6,500.00	6,489.60	6,579.80	6,551.06	23.37	20.35	-151.50	150.45	-1,497.56	1,758.76	1,728.27	30.49	57.684				
6,600.00	6,589.35	6,666.41	6,637.64	23.74	20.64	-151.64	148.98	-1,496.18	1,763.41	1,732.45	30.95	56.973				
6,700.00	6,689.10	6,766.53	6,737.76	24.12	20.98	-151.77	148.47	-1,494.93	1,768.42	1,736.97	31.44	56.239				
6,800.00	6,788.84	6,866.69	6,837.90	24.49	21.31	-151.89	147.93	-1,493.66	1,773.41	1,741.48	31.94	55.526				
6,900.00	6,888.59	6,965.21	6,936.41	24.86	21.64	-152.01	147.42	-1,492.45	1,778.46	1,746.03	32.43	54.843				
7,000.00	6,988.34	7,060.55	7,031.75	25.23	21.95	-152.14	146.84	-1,491.32	1,783.56	1,750.65	32.91	54.195				
7,069.58	7,057.74	7,114.89	7,086.09	25.49	22.13	-152.21	146.47	-1,491.03	1,787.56	1,754.35	33.21	53.825				
7,100.00	7,088.09	7,137.00	7,108.19	25.60	22.20	-152.25	146.31	-1,491.04	1,789.40	1,756.06	33.34	53.677				
7,200.00	7,187.97	7,217.12	7,188.31	25.97	22.46	-152.36	145.71	-1,491.72	1,794.68	1,760.92	33.76	53.157				
7,300.00	7,287.93	7,307.32	7,278.49	26.33	22.73	-152.44	144.94	-1,493.33	1,798.58	1,764.37	34.21	52.575				
7,341.07	7,329.00	7,349.85	7,321.01	26.47	22.86	-90.59	144.51	-1,494.18	1,799.61	1,765.20	34.41	52.300				
7,400.00	7,387.93	7,417.00	7,388.15	26.67	23.07	-90.61	143.77	-1,495.31	1,800.60	1,765.89	34.71	51.871				
7,500.00	7,487.93	7,530.73	7,501.86	27.02	23.43	-90.65	142.59	-1,496.47	1,801.63	1,766.40	35.23	51.139				
7,600.00	7,587.93	7,635.57	7,606.70	27.37	23.75	-90.65	142.54	-1,497.10	1,802.24	1,766.52	35.71	50.462				
7,700.00	7,687.93	7,742.20	7,713.33	27.72	24.08	-90.65	142.63	-1,497.30	1,802.41	1,766.21	36.20	49.787				
7,800.00	7,787.93	7,844.21	7,815.34	28.06	24.41	-90.65	142.60	-1,497.33	1,802.44	1,765.76	36.68	49.134				
7,900.00	7,887.93	7,948.91	7,920.04	28.41	24.75	-90.65	142.57	-1,497.15	1,802.27	1,765.09	37.18	48.474				
7,979.97	7,967.90	8,023.27	7,994.40	28.69	24.99	-90.66	142.37	-1,496.93	1,802.05	1,764.50	37.55	47.991				
8,000.00	7,987.93	8,040.05	8,011.18	28.76	25.05	-90.66	142.34	-1,496.95	1,802.07	1,764.43	37.64	47.880				
8,100.00	8,087.93	8,127.73	8,098.86	29.11	25.32	-90.65	142.42	-1,497.46	1,802.65	1,764.57	38.08	47.342				
8,200.00	8,187.93	8,232.46	8,203.58	29.46	25.64	-90.63	143.23	-1,498.43	1,803.57	1,765.01	38.56	46.773				
8,300.00	8,287.93	8,344.34	8,315.45	29.81	25.99	-90.61	143.82	-1,498.68	1,803.78	1,764.72	39.06	46.174				
8,400.00	8,387.93	8,444.71	8,415.83	30.16	26.32	-90.61	143.94	-1,498.57	1,803.68	1,764.13	39.55	45.608				
8,500.00	8,487.93	8,576.93	8,548.03	30.51	26.77	-90.62	143.44	-1,496.94	1,802.36	1,762.23	40.12	44.920				
8,600.00	8,587.93	8,655.17	8,626.26	30.86	27.04	-90.63	143.10	-1,495.96	1,801.11	1,760.56	40.56	44.411				
8,671.05	8,658.99	8,714.39	8,685.49	31.10	27.23	-90.63	143.08	-1,495.77	1,800.88	1,760.02	40.87	44.069				
8,700.00	8,687.93	8,740.00	8,711.09	31.21	27.31	-90.63	143.15	-1,495.81	1,800.92	1,759.92	41.00	43.930				
8,800.00	8,787.93	8,840.56	8,811.65	31.56	27.63	-90.63	143.17	-1,496.03	1,801.14	1,759.67	41.48	43.426				
8,900.00	8,887.93	8,945.10	8,916.19	31.91	27.99	-90.66	142.22	-1,496.04	1,801.16	1,759.18	41.98	42.905				
8,979.64	8,967.57	9,023.00	8,994.08	32.19	28.25	-90.70	141.00	-1,495.93	1,801.06	1,758.69	42.37	42.510				
9,000.00	8,987.93	9,039.54	9,010.62	32.26	28.31	-90.71	140.73	-1,495.93	1,801.07	1,758.61	42.46	42.422				
9,100.00	9,087.93	9,117.00	9,088.07	32.61	28.56	-90.73	140.07	-1,496.74	1,802.08	1,759.20	42.88	42.031				
9,200.00	9,187.93	9,205.04	9,176.09	32.96	28.84	-90.73	139.89	-1,498.52	1,804.07	1,760.75	43.32	41.648				
9,300.00	9,287.93	9,308.52	9,279.54	33.31	29.17	-90.76	139.09	-1,500.62	1,806.11	1,762.30	43.81	41.226				
9,400.00	9,387.93	9,410.79	9,381.79	33.66	29.51	-90.79	138.05	-1,502.50	1,807.97	1,763.67	44.30	40.810				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - OH		Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1431-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
9,500.00	9,487.93	9,508.90	9,479.87	34.01	29.83	-90.83	136.88	-1,504.31	1,809.83	1,765.04	44.78	40.415				
9,600.00	9,587.93	9,606.61	9,577.55	34.36	30.15	-90.89	134.92	-1,506.20	1,811.79	1,766.53	45.26	40.028				
9,700.00	9,687.93	9,708.67	9,679.58	34.72	30.48	-90.91	134.27	-1,508.34	1,813.90	1,768.15	45.75	39.646				
9,800.00	9,787.93	9,821.65	9,792.55	35.07	30.84	-90.88	135.19	-1,509.93	1,815.27	1,769.00	46.27	39.233				
9,900.00	9,887.93	9,930.61	9,901.50	35.42	31.18	-90.84	136.25	-1,511.15	1,816.39	1,769.62	46.77	38.835				
10,000.00	9,987.93	10,035.61	10,006.49	35.77	31.52	-90.83	136.66	-1,511.63	1,816.84	1,769.57	47.27	38.439				
10,100.00	10,087.93	10,130.69	10,101.57	36.12	31.83	-90.84	136.31	-1,512.15	1,817.39	1,769.65	47.74	38.071				
10,200.00	10,187.93	10,234.42	10,205.29	36.48	32.19	-90.89	134.72	-1,512.82	1,818.06	1,769.82	48.24	37.686				
10,300.00	10,287.93	10,355.88	10,326.73	36.83	32.61	-90.95	132.89	-1,512.66	1,817.95	1,769.15	48.80	37.253				
10,400.00	10,387.93	10,454.02	10,424.87	37.18	32.94	-90.96	132.53	-1,511.99	1,817.27	1,767.98	49.29	36.870				
10,500.00	10,487.93	10,543.79	10,514.63	37.53	33.24	-90.95	132.84	-1,511.75	1,817.00	1,767.25	49.75	36.526				
10,503.57	10,491.50	10,547.16	10,518.00	37.55	33.25	-90.95	132.86	-1,511.75	1,817.00	1,767.23	49.76	36.513				
10,600.00	10,587.93	10,637.81	10,608.65	37.89	33.54	-90.93	133.60	-1,511.89	1,817.14	1,766.93	50.21	36.191				
10,700.00	10,687.93	10,728.37	10,699.21	38.24	33.83	-90.89	134.86	-1,512.42	1,817.70	1,767.04	50.66	35.879				
10,800.00	10,787.93	10,814.00	10,784.81	38.59	34.11	-90.84	136.35	-1,513.54	1,818.98	1,767.88	51.10	35.597				
10,900.00	10,887.93	10,934.91	10,905.70	38.94	34.50	-90.78	138.10	-1,514.88	1,820.07	1,768.43	51.64	35.245				
11,000.00	10,987.93	11,043.40	11,014.18	39.30	34.85	-90.77	138.69	-1,514.99	1,820.15	1,768.00	52.15	34.903				
11,100.00	11,087.93	11,143.34	11,114.13	39.65	35.19	-90.78	138.26	-1,515.09	1,820.26	1,767.62	52.64	34.579				
11,200.00	11,187.93	11,253.27	11,224.05	40.00	35.57	-90.80	137.53	-1,514.82	1,820.03	1,766.86	53.17	34.233				
11,300.00	11,287.93	11,349.92	11,320.69	40.36	35.91	-90.83	136.66	-1,514.27	1,819.47	1,765.82	53.65	33.911				
11,347.04	11,334.97	11,390.70	11,361.47	40.52	36.05	-90.85	136.01	-1,514.17	1,819.37	1,765.50	53.87	33.773				
11,400.00	11,387.93	11,432.08	11,402.84	40.71	36.20	-90.88	134.92	-1,514.30	1,819.55	1,765.45	54.10	33.632				
11,500.00	11,487.93	11,626.39	11,593.94	41.07	36.95	-91.87	103.64	-1,509.97	1,817.68	1,762.79	54.89	33.112				
11,600.00	11,587.93	11,711.00	11,674.22	41.42	37.31	-92.71	77.46	-1,505.38	1,813.39	1,757.98	55.41	32.729				
11,700.00	11,687.93	11,777.15	11,734.31	41.77	37.61	-93.58	50.05	-1,502.30	1,810.94	1,755.07	55.87	32.414				
11,735.62	11,723.55	11,794.88	11,750.05	41.90	37.69	-93.83	41.91	-1,501.69	1,810.74	1,754.73	56.01	32.329				
11,800.00	11,787.93	11,830.80	11,781.38	42.13	37.85	-94.39	24.36	-1,500.73	1,811.35	1,755.07	56.27	32.189				
11,900.00	11,887.93	11,873.34	11,816.84	42.48	38.06	-95.13	0.91	-1,499.92	1,814.81	1,758.21	56.60	32.065 SF				
12,000.00	11,987.93	11,899.00	11,837.12	42.83	38.18	-95.63	-14.80	-1,499.88	1,822.26	1,765.47	56.79	32.087				
12,100.00	12,087.93	11,899.00	11,837.12	43.19	38.18	-95.63	-14.80	-1,499.88	1,834.69	1,777.93	56.76	32.321				
12,179.11	12,167.04	11,899.00	11,837.12	43.47	38.18	-95.63	-14.80	-1,499.88	1,848.30	1,791.62	56.68	32.610				
12,200.00	12,187.93	11,899.00	11,837.12	43.54	38.18	84.53	-14.80	-1,499.88	1,852.41	1,795.77	56.64	32.702				
12,250.00	12,237.75	11,899.00	11,837.12	43.70	38.18	83.46	-14.80	-1,499.88	1,862.86	1,806.32	56.54	32.946				
12,300.00	12,287.04	11,899.00	11,837.12	43.85	38.18	82.32	-14.80	-1,499.88	1,874.10	1,817.68	56.42	33.218				
12,350.00	12,335.41	11,899.00	11,837.12	44.00	38.18	81.10	-14.80	-1,499.88	1,886.04	1,829.76	56.28	33.514				
12,400.00	12,382.50	11,899.00	11,837.12	44.14	38.18	79.83	-14.80	-1,499.88	1,898.57	1,842.45	56.12	33.830				
12,450.00	12,427.95	11,899.00	11,837.12	44.27	38.18	78.50	-14.80	-1,499.88	1,911.58	1,855.63	55.96	34.163				
12,500.00	12,471.42	11,899.00	11,837.12	44.39	38.18	77.14	-14.80	-1,499.88	1,924.97	1,869.19	55.78	34.507				
12,550.00	12,512.57	11,899.00	11,837.12	44.50	38.18	75.76	-14.80	-1,499.88	1,938.63	1,883.02	55.61	34.860				
12,600.00	12,551.09	11,899.00	11,837.12	44.59	38.18	74.37	-14.80	-1,499.88	1,952.45	1,897.01	55.44	35.214				
12,650.00	12,586.68	11,899.00	11,837.12	44.68	38.18	72.99	-14.80	-1,499.88	1,966.32	1,911.04	55.29	35.565				
12,700.00	12,619.09	11,899.00	11,837.12	44.76	38.18	71.62	-14.80	-1,499.88	1,980.14	1,925.00	55.15	35.908				
12,750.00	12,648.05	11,899.00	11,837.12	44.84	38.18	70.27	-14.80	-1,499.88	1,993.81	1,938.79	55.02	36.237				
12,800.00	12,673.35	11,899.00	11,837.12	44.93	38.18	68.97	-14.80	-1,499.88	2,007.22	1,952.30	54.92	36.548				
12,850.00	12,694.80	11,899.00	11,837.12	45.04	38.18	67.71	-14.80	-1,499.88	2,020.27	1,965.43	54.85	36.836				
12,900.00	12,712.23	11,899.00	11,837.12	45.16	38.18	66.51	-14.80	-1,499.88	2,032.89	1,978.09	54.80	37.097				
12,950.00	12,725.51	11,899.00	11,837.12	45.28	38.18	65.37	-14.80	-1,499.88	2,044.97	1,990.19	54.78	37.329				
13,000.00	12,734.55	11,899.00	11,837.12	45.41	38.18	64.31	-14.80	-1,499.88	2,056.45	2,001.65	54.80	37.528				
13,050.00	12,739.26	11,899.00	11,837.12	45.54	38.18	63.32	-14.80	-1,499.88	2,067.23	2,012.38	54.85	37.692				
13,079.11	12,740.00	11,899.00	11,837.12	45.62	38.18	62.78	-14.80	-1,499.88	2,073.16	2,018.27	54.89	37.771				
13,100.00	12,740.00	11,899.00	11,837.12	45.68	38.18	62.78	-14.80	-1,499.88	2,077.43	2,022.50	54.92	37.825				
13,200.00	12,740.00	11,899.00	11,837.12	45.98	38.18	62.78	-14.80	-1,499.88	2,100.59	2,045.47	55.12	38.110				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - OH		Offset Site Error:		0.00 usft	
Survey Program:													112-OWSG (Rev2) MWD, 1431-OWSG (Rev2) MWD		Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance						Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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						
13,300.00	12,740.00	11,899.00	11,837.12	46.34	38.18	62.78	-14.80	-1,499.88	2,128.21	2,072.86	55.35	38.448						
13,400.00	12,740.00	11,899.00	11,837.12	46.75	38.18	62.78	-14.80	-1,499.88	2,160.11	2,104.49	55.62	38.837						
13,500.00	12,740.00	11,899.00	11,837.12	47.22	38.18	62.78	-14.80	-1,499.88	2,196.10	2,140.19	55.91	39.279						
13,600.00	12,740.00	11,899.00	11,837.12	47.73	38.18	62.78	-14.80	-1,499.88	2,235.99	2,179.77	56.22	39.771						
13,700.00	12,740.00	11,899.00	11,837.12	48.30	38.18	62.78	-14.80	-1,499.88	2,279.58	2,223.03	56.55	40.314						
13,800.00	12,740.00	11,899.00	11,837.12	48.92	38.18	62.78	-14.80	-1,499.88	2,326.64	2,269.76	56.88	40.906						
13,900.00	12,740.00	11,899.00	11,837.12	49.58	38.18	62.78	-14.80	-1,499.88	2,376.98	2,319.77	57.21	41.545						
14,000.00	12,740.00	11,899.00	11,837.12	50.29	38.18	62.78	-14.80	-1,499.88	2,430.40	2,372.85	57.55	42.230						
14,100.00	12,740.00	11,899.00	11,837.12	51.04	38.18	62.78	-14.80	-1,499.88	2,486.69	2,428.81	57.88	42.961						
14,200.00	12,740.00	11,899.00	11,837.12	51.83	38.18	62.78	-14.80	-1,499.88	2,545.67	2,487.46	58.21	43.734						
14,300.00	12,740.00	11,899.00	11,837.12	52.66	38.18	62.78	-14.80	-1,499.88	2,607.15	2,548.63	58.52	44.549						
14,400.00	12,740.00	11,899.00	11,837.12	53.53	38.18	62.78	-14.80	-1,499.88	2,670.96	2,612.13	58.83	45.401						
14,500.00	12,740.00	11,899.00	11,837.12	54.44	38.18	62.78	-14.80	-1,499.88	2,736.94	2,677.81	59.13	46.289						
14,600.00	12,740.00	11,899.00	11,837.12	55.38	38.18	62.78	-14.80	-1,499.88	2,804.93	2,745.51	59.41	47.209						
14,700.00	12,740.00	11,899.00	11,837.12	56.35	38.18	62.78	-14.80	-1,499.88	2,874.79	2,815.10	59.69	48.162						
14,800.00	12,740.00	11,899.00	11,837.12	57.35	38.18	62.78	-14.80	-1,499.88	2,946.39	2,886.44	59.95	49.146						
14,900.00	12,740.00	11,899.00	11,837.12	58.39	38.18	62.78	-14.80	-1,499.88	3,019.60	2,959.40	60.20	50.159						
15,000.00	12,740.00	11,899.00	11,837.12	59.45	38.18	62.78	-14.80	-1,499.88	3,094.32	3,033.88	60.44	51.197						
15,100.00	12,740.00	11,899.00	11,837.12	60.54	38.18	62.78	-14.80	-1,499.88	3,170.42	3,109.76	60.67	52.259						
15,200.00	12,740.00	11,899.00	11,837.12	61.65	38.18	62.78	-14.80	-1,499.88	3,247.83	3,186.94	60.88	53.344						
15,300.00	12,740.00	11,899.00	11,837.12	62.79	38.18	62.78	-14.80	-1,499.88	3,326.44	3,265.34	61.09	54.450						
15,400.00	12,740.00	11,899.00	11,837.12	63.94	38.18	62.78	-14.80	-1,499.88	3,406.17	3,344.88	61.29	55.575						
15,500.00	12,740.00	11,899.00	11,837.12	65.12	38.18	62.78	-14.80	-1,499.88	3,486.94	3,425.46	61.48	56.718						
15,600.00	12,740.00	11,899.00	11,837.12	66.32	38.18	62.78	-14.80	-1,499.88	3,568.69	3,507.03	61.66	57.878						
15,700.00	12,740.00	11,899.00	11,837.12	67.54	38.18	62.78	-14.80	-1,499.88	3,651.35	3,589.52	61.83	59.054						
15,800.00	12,740.00	11,899.00	11,837.12	68.78	38.18	62.78	-14.80	-1,499.88	3,734.86	3,672.86	62.00	60.244						
15,900.00	12,740.00	11,899.00	11,837.12	70.04	38.18	62.78	-14.80	-1,499.88	3,819.16	3,757.00	62.15	61.447						
16,000.00	12,740.00	11,899.00	11,837.12	71.31	38.18	62.78	-14.80	-1,499.88	3,904.20	3,841.89	62.30	62.663						
16,100.00	12,740.00	11,899.00	11,837.12	72.59	38.18	62.78	-14.80	-1,499.88	3,989.93	3,927.48	62.45	63.891						
16,200.00	12,740.00	11,899.00	11,837.12	73.89	38.18	62.78	-14.80	-1,499.88	4,076.31	4,013.72	62.59	65.129						
16,300.00	12,740.00	11,899.00	11,837.12	75.21	38.18	62.78	-14.80	-1,499.88	4,163.31	4,100.58	62.72	66.376						
16,400.00	12,740.00	11,899.00	11,837.12	76.53	38.18	62.78	-14.80	-1,499.88	4,250.87	4,188.02	62.85	67.633						
16,500.00	12,740.00	11,899.00	11,837.12	77.87	38.18	62.78	-14.80	-1,499.88	4,338.98	4,276.00	62.98	68.898						
16,600.00	12,740.00	11,899.00	11,837.12	79.22	38.18	62.78	-14.80	-1,499.88	4,427.58	4,364.49	63.10	70.171						
16,700.00	12,740.00	11,899.00	11,837.12	80.59	38.18	62.78	-14.80	-1,499.88	4,516.67	4,453.46	63.21	71.451						
16,800.00	12,740.00	11,899.00	11,837.12	81.96	38.18	62.78	-14.80	-1,499.88	4,606.20	4,542.88	63.33	72.738						
16,900.00	12,740.00	11,899.00	11,837.12	83.34	38.18	62.78	-14.80	-1,499.88	4,696.16	4,632.72	63.43	74.032						
17,000.00	12,740.00	11,899.00	11,837.12	84.74	38.18	62.78	-14.80	-1,499.88	4,786.51	4,722.97	63.54	75.332						
17,100.00	12,740.00	11,899.00	11,837.12	86.14	38.18	62.78	-14.80	-1,499.88	4,877.24	4,813.60	63.64	76.637						
17,200.00	12,740.00	11,899.00	11,837.12	87.55	38.18	62.78	-14.80	-1,499.88	4,968.33	4,904.59	63.74	77.947						

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

7/17/2021 12:24:44AM

Page 31

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - Plan #9		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1409-OWSG (Rev2) MWD, 11286-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
0.00	0.00	25.07	25.07	0.00	0.03	-73.97	505.39	-1,759.36	1,830.51							
100.00	100.00	119.74	119.74	0.13	0.17	-73.97	505.43	-1,759.57	1,830.74	1,830.52	0.22	8,514.026				
200.00	200.00	196.79	196.78	0.48	0.45	-73.98	505.39	-1,760.28	1,831.63	1,830.97	0.66	2,775.606				
300.00	300.00	288.11	288.08	0.84	0.78	-74.02	504.61	-1,762.43	1,833.65	1,832.50	1.15	1,601.406				
400.00	400.00	372.42	372.34	1.20	1.08	-74.06	503.91	-1,764.86	1,836.18	1,834.57	1.61	1,137.433				
500.00	500.00	464.86	464.73	1.56	1.41	-74.11	503.32	-1,768.04	1,839.33	1,837.23	2.10	874.542				
600.00	600.00	564.39	564.19	1.92	1.78	-74.17	502.33	-1,771.79	1,842.67	1,840.06	2.61	706.113				
700.00	700.00	658.00	657.72	2.28	2.12	-74.23	501.39	-1,775.51	1,846.23	1,843.13	3.10	595.195				
800.00	800.00	816.00	815.57	2.63	2.68	-74.31	500.03	-1,779.77	1,848.71	1,844.96	3.75	493.297				
900.00	900.00	854.96	854.49	2.99	2.82	-74.33	499.64	-1,781.42	1,851.57	1,847.46	4.10	451.275				
1,000.00	1,000.00	948.97	948.41	3.35	3.16	-74.39	498.82	-1,785.65	1,855.66	1,851.07	4.60	403.749				
1,100.00	1,100.00	1,064.35	1,063.64	3.71	3.59	-74.51	496.34	-1,790.99	1,859.55	1,854.41	5.14	361.492				
1,200.00	1,200.00	1,152.30	1,151.45	4.07	3.91	-74.62	493.75	-1,795.05	1,863.23	1,857.61	5.62	331.347				
1,300.00	1,300.00	1,255.78	1,254.80	4.43	4.29	-74.72	491.69	-1,799.89	1,867.22	1,861.07	6.14	304.015				
1,400.00	1,400.00	1,339.10	1,338.00	4.79	4.56	-74.81	489.81	-1,803.95	1,871.36	1,864.78	6.59	284.151				
1,500.00	1,500.00	1,409.00	1,407.71	5.14	4.70	-74.91	487.70	-1,808.64	1,877.01	1,870.07	6.93	270.671				
1,600.00	1,600.00	1,470.01	1,468.42	5.50	4.73	-75.02	485.27	-1,814.04	1,884.47	1,877.26	7.21	261.347				
1,700.00	1,700.00	1,550.56	1,548.41	5.86	4.79	-75.21	481.14	-1,822.72	1,893.55	1,886.04	7.51	252.169				
1,800.00	1,800.00	1,742.67	1,739.33	6.22	5.01	-75.68	469.85	-1,840.55	1,901.58	1,893.66	7.92	240.119				
1,900.00	1,900.00	2,081.49	2,077.30	6.58	5.48	-76.19	451.47	-1,836.68	1,897.36	1,888.88	8.48	223.702				
2,000.00	2,000.00	2,193.96	2,189.36	6.94	5.65	-76.25	447.36	-1,828.14	1,889.12	1,880.24	8.88	212.798				
2,100.00	2,100.00	2,314.67	2,309.54	7.29	5.87	-76.34	441.99	-1,818.10	1,879.98	1,870.69	9.29	202.260				
2,200.00	2,200.00	2,408.60	2,402.97	7.65	6.06	-76.43	436.74	-1,810.02	1,870.31	1,860.61	9.70	192.763				
2,300.00	2,299.99	2,505.05	2,498.94	8.01	6.27	-138.53	431.40	-1,802.07	1,861.97	1,851.85	10.12	184.031				
2,400.00	2,399.91	2,605.79	2,599.15	8.36	6.50	-138.81	424.78	-1,794.04	1,855.63	1,845.08	10.54	175.988				
2,471.49	2,471.26	2,677.48	2,670.40	8.61	6.69	-139.06	419.22	-1,788.49	1,852.28	1,841.42	10.86	170.622				
2,500.00	2,499.70	2,706.02	2,698.75	8.71	6.76	-139.16	416.87	-1,786.30	1,851.15	1,840.17	10.98	168.580				
2,600.00	2,599.45	2,780.42	2,772.75	9.06	6.96	-139.40	411.12	-1,781.03	1,847.89	1,836.50	11.39	162.191				
2,700.00	2,699.19	2,863.94	2,855.94	9.42	7.19	-139.65	405.74	-1,775.88	1,845.85	1,834.03	11.82	156.175				
2,800.00	2,798.94	3,100.56	3,090.97	9.78	7.88	-140.27	391.61	-1,753.40	1,840.97	1,828.53	12.44	147.964				
2,900.00	2,898.69	3,178.00	3,167.60	10.13	8.12	-140.50	385.95	-1,743.79	1,832.71	1,819.83	12.88	142.323				
3,000.00	2,998.44	3,249.91	3,238.85	10.49	8.35	-140.73	380.01	-1,735.99	1,825.82	1,812.51	13.31	137.164				
3,100.00	3,098.18	3,356.20	3,344.09	10.85	8.70	-141.14	369.61	-1,725.44	1,819.65	1,805.85	13.80	131.880				
3,200.00	3,197.93	3,445.50	3,432.47	11.22	9.01	-141.50	360.45	-1,716.46	1,813.33	1,799.07	14.27	127.113				
3,300.00	3,297.68	3,519.29	3,505.61	11.58	9.27	-141.78	353.53	-1,709.62	1,808.06	1,793.35	14.71	122.904				
3,400.00	3,397.43	3,592.01	3,577.83	11.94	9.52	-142.05	347.09	-1,703.96	1,804.38	1,789.23	15.15	119.068				
3,500.00	3,497.17	3,649.00	3,634.48	12.30	9.72	-142.26	342.29	-1,700.19	1,802.28	1,786.71	15.57	115.769				
3,600.00	3,596.92	3,744.00	3,729.09	12.67	10.04	-142.59	334.93	-1,695.70	1,801.95	1,785.90	16.05	112.292				
3,604.03	3,600.94	3,744.00	3,729.09	12.68	10.04	-142.59	334.93	-1,695.70	1,801.94	1,785.88	16.06	112.206				
3,700.00	3,696.67	3,854.63	3,839.42	13.03	10.41	-142.92	328.63	-1,690.72	1,802.32	1,785.77	16.55	108.891				
3,800.00	3,796.42	4,008.12	3,992.13	13.40	10.95	-143.40	318.13	-1,679.49	1,799.51	1,782.37	17.13	105.022				
3,900.00	3,896.16	4,096.70	4,080.05	13.76	11.27	-143.74	309.99	-1,672.47	1,796.00	1,778.39	17.61	101.961				
4,000.00	3,995.91	4,228.72	4,211.24	14.13	11.75	-144.17	300.58	-1,661.30	1,792.41	1,774.25	18.16	98.677				
4,100.00	4,095.66	4,322.83	4,304.83	14.50	12.08	-144.38	296.69	-1,652.22	1,788.02	1,769.38	18.64	95.905				
4,200.00	4,195.41	4,444.83	4,426.11	14.86	12.51	-144.61	292.69	-1,639.57	1,783.10	1,763.93	19.16	93.040				
4,300.00	4,295.15	4,547.66	4,528.14	15.23	12.88	-144.87	287.44	-1,627.93	1,776.98	1,757.31	19.66	90.365				
4,400.00	4,394.90	4,626.17	4,606.02	15.60	13.18	-145.13	281.58	-1,619.90	1,771.69	1,751.56	20.13	87.997				
4,500.00	4,494.65	4,700.49	4,679.81	15.97	13.46	-145.39	275.68	-1,613.36	1,767.82	1,747.22	20.60	85.836				
4,600.00	4,594.40	4,778.00	4,756.92	16.34	13.74	-145.64	270.47	-1,607.56	1,765.42	1,744.36	21.06	83.833				
4,700.00	4,694.15	4,867.31	4,845.87	16.70	14.07	-145.91	265.06	-1,601.62	1,764.00	1,742.46	21.54	81.888				
4,800.00	4,793.89	4,953.60	4,931.82	17.07	14.38	-146.18	259.47	-1,596.38	1,763.17	1,741.15	22.02	80.072				
4,846.36	4,840.14	4,992.74	4,970.81	17.24	14.53	-146.31	256.89	-1,594.23	1,763.07	1,740.83	22.24	79.277				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - Plan #9		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1409-OWSG (Rev2) MWD, 11286-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
4,900.00	4,893.64	5,037.64	5,015.57	17.44	14.69	-146.45	254.09	-1,591.96	1,763.21	1,740.72	22.49	78.393				
5,000.00	4,993.39	5,133.09	5,110.76	17.81	15.03	-146.73	248.61	-1,587.51	1,763.96	1,740.97	22.99	76.738				
5,100.00	5,093.14	5,232.33	5,209.75	18.18	15.39	-147.02	243.23	-1,582.88	1,764.77	1,741.28	23.49	75.130				
5,200.00	5,192.88	5,340.09	5,317.21	18.55	15.78	-147.33	237.26	-1,577.67	1,765.46	1,741.45	24.01	73.525				
5,300.00	5,292.63	5,461.94	5,438.70	18.92	16.22	-147.69	230.56	-1,570.96	1,765.58	1,741.01	24.56	71.877				
5,400.00	5,392.38	5,591.00	5,567.05	19.29	16.71	-148.11	221.65	-1,560.98	1,763.18	1,738.05	25.13	70.154				
5,500.00	5,492.13	5,679.76	5,655.28	19.66	17.05	-148.43	214.63	-1,554.31	1,761.17	1,735.55	25.63	68.722				
5,600.00	5,591.87	5,774.12	5,749.08	20.03	17.41	-148.79	206.65	-1,547.66	1,759.68	1,733.55	26.13	67.333				
5,700.00	5,691.62	5,872.94	5,847.34	20.40	17.79	-149.15	198.70	-1,540.81	1,758.39	1,731.74	26.65	65.982				
5,800.00	5,791.37	5,976.65	5,950.49	20.77	18.18	-149.52	190.91	-1,533.49	1,757.09	1,729.91	27.17	64.660				
5,900.00	5,891.12	6,080.24	6,053.52	21.14	18.58	-149.88	183.34	-1,525.87	1,755.55	1,727.85	27.70	63.380				
6,000.00	5,990.86	6,185.60	6,158.30	21.52	18.98	-150.24	175.66	-1,517.85	1,753.83	1,725.60	28.23	62.131				
6,100.00	6,090.61	6,272.11	6,244.33	21.89	19.32	-150.54	169.34	-1,511.38	1,752.31	1,723.59	28.72	61.016				
6,185.06	6,175.45	6,338.63	6,310.53	22.20	19.57	-150.77	164.41	-1,506.99	1,751.82	1,722.70	29.12	60.158 CC				
6,200.00	6,190.36	6,350.04	6,321.89	22.26	19.61	-150.81	163.58	-1,506.31	1,751.83	1,722.64	29.19	60.015				
6,300.00	6,290.11	6,426.16	6,397.71	22.63	19.90	-151.07	158.27	-1,502.37	1,752.73	1,723.08	29.65	59.112				
6,400.00	6,389.85	6,502.30	6,473.67	23.00	20.17	-151.30	153.89	-1,499.43	1,755.01	1,724.91	30.10	58.297				
6,500.00	6,489.60	6,579.79	6,551.07	23.37	20.45	-151.49	150.80	-1,497.44	1,758.65	1,728.10	30.55	57.560				
6,600.00	6,589.35	6,666.38	6,637.64	23.74	20.74	-151.63	149.33	-1,496.06	1,763.29	1,732.28	31.02	56.852				
6,700.00	6,689.10	6,766.51	6,737.76	24.12	21.07	-151.75	148.82	-1,494.82	1,768.31	1,736.80	31.51	56.120				
6,800.00	6,788.84	6,866.66	6,837.90	24.49	21.41	-151.88	148.28	-1,493.55	1,773.30	1,741.30	32.00	55.409				
6,900.00	6,888.59	6,965.19	6,936.41	24.86	21.74	-152.00	147.77	-1,492.34	1,778.35	1,745.85	32.49	54.728				
7,000.00	6,988.34	7,060.54	7,031.75	25.23	22.05	-152.12	147.19	-1,491.20	1,783.44	1,750.47	32.98	54.082				
7,069.58	7,057.74	7,114.88	7,086.09	25.49	22.23	-152.19	146.82	-1,490.92	1,787.45	1,754.17	33.28	53.714				
7,100.00	7,088.09	7,137.00	7,108.21	25.60	22.31	-152.23	146.66	-1,490.93	1,789.28	1,755.88	33.40	53.566				
7,200.00	7,187.97	7,217.11	7,188.31	25.97	22.56	-152.35	146.06	-1,491.60	1,794.57	1,760.74	33.83	53.048				
7,300.00	7,287.93	7,307.31	7,278.50	26.33	22.84	-152.43	145.29	-1,493.21	1,798.46	1,764.19	34.28	52.467				
7,341.07	7,329.00	7,349.83	7,321.01	26.47	22.97	-90.58	144.86	-1,494.07	1,799.49	1,765.01	34.48	52.193				
7,400.00	7,387.93	7,416.98	7,388.15	26.67	23.18	-90.60	144.12	-1,495.19	1,800.48	1,765.70	34.78	51.765				
7,500.00	7,487.93	7,530.71	7,501.86	27.02	23.54	-90.64	142.94	-1,496.36	1,801.51	1,766.21	35.30	51.035				
7,600.00	7,587.93	7,635.55	7,606.70	27.37	23.86	-90.64	142.89	-1,496.99	1,802.12	1,766.33	35.78	50.360				
7,700.00	7,687.93	7,742.18	7,713.33	27.72	24.19	-90.64	142.98	-1,497.18	1,802.29	1,766.02	36.27	49.687				
7,800.00	7,787.93	7,844.18	7,815.33	28.06	24.51	-90.64	142.95	-1,497.21	1,802.32	1,765.57	36.76	49.035				
7,900.00	7,887.93	7,948.89	7,920.04	28.41	24.86	-90.64	142.92	-1,497.03	1,802.15	1,764.90	37.25	48.377				
7,979.99	7,967.92	8,023.27	7,994.42	28.69	25.10	-90.64	142.72	-1,496.82	1,801.94	1,764.31	37.62	47.895				
8,000.00	7,987.93	8,040.03	8,011.18	28.76	25.16	-90.65	142.69	-1,496.84	1,801.95	1,764.24	37.71	47.784				
8,100.00	8,087.93	8,127.71	8,098.86	29.11	25.43	-90.64	142.77	-1,497.35	1,802.53	1,764.38	38.15	47.248				
8,200.00	8,187.93	8,232.43	8,203.57	29.46	25.76	-90.62	143.58	-1,498.31	1,803.45	1,764.82	38.63	46.681				
8,300.00	8,287.93	8,344.31	8,315.45	29.81	26.10	-90.60	144.17	-1,498.57	1,803.67	1,764.53	39.14	46.084				
8,400.00	8,387.93	8,444.69	8,415.83	30.16	26.43	-90.59	144.29	-1,498.46	1,803.56	1,763.94	39.62	45.519				
8,500.00	8,487.93	8,576.91	8,548.03	30.51	26.88	-90.61	143.79	-1,496.82	1,802.24	1,762.04	40.20	44.832				
8,600.00	8,587.93	8,655.15	8,626.26	30.86	27.15	-90.62	143.45	-1,495.85	1,801.00	1,760.37	40.63	44.325				
8,671.07	8,659.00	8,714.39	8,685.50	31.10	27.34	-90.62	143.43	-1,495.66	1,800.76	1,759.82	40.94	43.984				
8,700.00	8,687.93	8,740.00	8,711.12	31.21	27.43	-90.62	143.50	-1,495.69	1,800.80	1,759.73	41.07	43.846				
8,800.00	8,787.93	8,840.53	8,811.65	31.56	27.75	-90.62	143.52	-1,495.92	1,801.03	1,759.47	41.55	43.343				
8,900.00	8,887.93	8,945.08	8,916.19	31.91	28.10	-90.65	142.57	-1,495.92	1,801.04	1,758.98	42.06	42.824				
8,979.66	8,967.60	9,023.00	8,994.10	32.19	28.37	-90.69	141.35	-1,495.81	1,800.94	1,758.50	42.45	42.430				
9,000.00	8,987.93	9,039.53	9,010.63	32.26	28.42	-90.70	141.08	-1,495.81	1,800.95	1,758.42	42.53	42.342				
9,100.00	9,087.93	9,117.00	9,088.09	32.61	28.68	-90.72	140.42	-1,496.63	1,801.96	1,759.01	42.95	41.952				
9,200.00	9,187.93	9,205.02	9,176.10	32.96	28.96	-90.72	140.24	-1,498.40	1,803.95	1,760.56	43.40	41.570				
9,300.00	9,287.93	9,308.50	9,279.55	33.31	29.29	-90.75	139.44	-1,500.50	1,805.99	1,762.10	43.89	41.149				
9,400.00	9,387.93	9,410.77	9,381.79	33.66	29.63	-90.78	138.40	-1,502.39	1,807.85	1,763.47	44.38	40.735				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - Plan #9		Offset Site Error:	0.00 usft
Survey Program: 112-OWSG (Rev2) MWD, 1409-OWSG (Rev2) MWD, 11286-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
9,500.00	9,487.93	9,508.88	9,479.88	34.01	29.95	-90.82	137.23	-1,504.19	1,809.71	1,764.85	44.86	40.340				
9,600.00	9,587.93	9,606.59	9,577.55	34.36	30.27	-90.88	135.27	-1,506.08	1,811.67	1,766.33	45.34	39.955				
9,700.00	9,687.93	9,708.64	9,679.58	34.72	30.60	-90.90	134.62	-1,508.23	1,813.78	1,767.95	45.83	39.574				
9,800.00	9,787.93	9,821.63	9,792.55	35.07	30.96	-90.87	135.54	-1,509.81	1,815.15	1,768.80	46.35	39.162				
9,900.00	9,887.93	9,930.58	9,901.49	35.42	31.31	-90.83	136.60	-1,511.03	1,816.27	1,769.42	46.85	38.765				
10,000.00	9,987.93	10,035.59	10,006.49	35.77	31.64	-90.82	137.01	-1,511.52	1,816.72	1,769.37	47.35	38.370				
10,100.00	10,087.93	10,130.68	10,101.58	36.12	31.96	-90.83	136.66	-1,512.03	1,817.27	1,769.45	47.82	38.003				
10,200.00	10,187.93	10,234.40	10,205.29	36.48	32.31	-90.88	135.07	-1,512.70	1,817.94	1,769.61	48.32	37.620				
10,300.00	10,287.93	10,355.86	10,326.73	36.83	32.73	-90.94	133.24	-1,512.54	1,817.83	1,768.94	48.88	37.187				
10,400.00	10,387.93	10,454.00	10,424.87	37.18	33.07	-90.95	132.88	-1,511.87	1,817.15	1,767.78	49.37	36.806				
10,500.00	10,487.93	10,543.76	10,514.63	37.53	33.37	-90.94	133.19	-1,511.63	1,816.88	1,767.05	49.83	36.462				
10,503.55	10,491.49	10,547.12	10,517.99	37.55	33.38	-90.94	133.21	-1,511.63	1,816.88	1,767.03	49.85	36.450				
10,600.00	10,587.93	10,637.78	10,608.65	37.89	33.67	-90.92	133.95	-1,511.78	1,817.02	1,766.73	50.29	36.129				
10,700.00	10,687.93	10,728.35	10,699.20	38.24	33.96	-90.88	135.21	-1,512.30	1,817.58	1,766.83	50.75	35.817				
10,800.00	10,787.93	10,814.00	10,784.83	38.59	34.23	-90.83	136.70	-1,513.43	1,818.86	1,767.68	51.18	35.537				
10,900.00	10,887.93	10,934.88	10,905.69	38.94	34.62	-90.77	138.45	-1,514.77	1,819.95	1,768.23	51.72	35.186				
11,000.00	10,987.93	11,043.38	11,014.19	39.30	34.98	-90.75	139.04	-1,514.87	1,820.03	1,767.80	52.23	34.844				
11,100.00	11,087.93	11,143.32	11,114.13	39.65	35.32	-90.77	138.61	-1,514.97	1,820.14	1,767.41	52.73	34.521				
11,200.00	11,187.93	11,253.25	11,224.05	40.00	35.70	-90.79	137.88	-1,514.71	1,819.91	1,766.66	53.25	34.176				
11,300.00	11,287.93	11,356.70	11,327.50	40.36	36.06	-90.81	137.17	-1,513.99	1,819.22	1,765.46	53.76	33.841				
11,400.00	11,387.93	11,456.69	11,427.49	40.71	36.41	-90.84	136.50	-1,513.26	1,818.50	1,764.25	54.26	33.517				
11,500.00	11,487.93	11,558.47	11,529.19	41.07	36.77	-90.92	133.78	-1,512.47	1,817.76	1,763.00	54.76	33.193				
11,600.00	11,587.93	11,659.03	11,628.02	41.42	37.16	-91.48	115.92	-1,511.28	1,816.94	1,761.65	55.29	32.861				
11,699.06	11,687.00	11,750.00	11,713.50	41.77	37.54	-92.46	85.12	-1,509.83	1,816.50	1,760.69	55.81	32.548				
11,700.00	11,687.93	11,750.00	11,713.50	41.77	37.54	-92.46	85.12	-1,509.83	1,816.50	1,760.69	55.81	32.546				
11,800.00	11,787.93	11,831.09	11,784.74	42.13	37.91	-93.67	46.57	-1,508.27	1,817.25	1,760.94	56.31	32.272				
11,900.00	11,887.93	11,900.00	11,840.50	42.48	38.23	-94.95	6.18	-1,506.77	1,820.05	1,763.29	56.76	32.068				
12,000.00	11,987.93	11,950.00	11,877.72	42.83	38.47	-96.00	-27.17	-1,505.60	1,825.68	1,768.59	57.09	31.978				
12,100.00	12,087.93	12,000.00	11,911.88	43.19	38.73	-97.14	-63.63	-1,504.36	1,834.71	1,777.33	57.38	31.973				
12,179.11	12,167.04	12,035.96	11,934.42	43.47	38.92	-98.01	-91.63	-1,503.43	1,844.56	1,787.00	57.56	32.045				
12,200.00	12,187.93	12,050.00	11,942.74	43.54	38.99	81.91	-102.94	-1,503.06	1,847.55	1,789.92	57.63	32.061				
12,250.00	12,237.75	12,063.23	11,950.32	43.70	39.06	80.86	-113.77	-1,502.71	1,854.92	1,797.28	57.65	32.177				
12,300.00	12,287.04	12,082.98	11,961.16	43.85	39.17	79.65	-130.27	-1,502.19	1,862.60	1,804.91	57.69	32.287				
12,350.00	12,335.41	12,103.10	11,971.62	44.00	39.28	78.44	-147.44	-1,501.64	1,870.43	1,812.71	57.72	32.407				
12,400.00	12,382.50	12,122.50	11,981.13	44.14	39.39	77.27	-164.35	-1,501.12	1,878.31	1,820.59	57.73	32.538				
12,450.00	12,427.95	12,150.00	11,993.61	44.27	39.55	75.99	-188.84	-1,500.42	1,886.18	1,828.41	57.78	32.647				
12,500.00	12,471.42	12,150.00	11,993.61	44.39	39.55	75.24	-188.84	-1,500.42	1,893.90	1,836.26	57.64	32.856				
12,550.00	12,512.57	12,181.89	12,006.59	44.50	39.73	74.01	-217.95	-1,499.65	1,901.24	1,843.53	57.71	32.947				
12,600.00	12,551.09	12,200.00	12,013.24	44.59	39.84	73.07	-234.79	-1,499.24	1,908.30	1,850.62	57.68	33.084				
12,650.00	12,586.68	12,222.55	12,020.77	44.68	39.97	72.14	-256.04	-1,498.76	1,914.90	1,857.22	57.69	33.196				
12,700.00	12,619.09	12,250.00	12,028.79	44.76	40.14	71.25	-282.29	-1,498.22	1,921.01	1,863.29	57.72	33.280				
12,750.00	12,648.05	12,250.00	12,028.79	44.84	40.14	70.72	-282.29	-1,498.22	1,926.58	1,868.97	57.60	33.446				
12,800.00	12,673.35	12,284.60	12,037.11	44.93	40.35	69.97	-315.86	-1,497.60	1,931.27	1,873.57	57.70	33.469				
12,850.00	12,694.80	12,300.00	12,040.15	45.04	40.44	69.48	-330.95	-1,497.35	1,935.38	1,877.68	57.70	33.540				
12,900.00	12,712.23	12,326.44	12,044.43	45.16	40.60	69.02	-357.04	-1,496.95	1,938.68	1,880.90	57.79	33.549				
12,950.00	12,725.51	12,350.00	12,047.23	45.28	40.75	68.69	-380.43	-1,496.63	1,941.20	1,883.33	57.87	33.545				
13,000.00	12,734.55	12,368.48	12,048.75	45.41	40.86	68.48	-398.84	-1,496.41	1,942.87	1,884.92	57.95	33.528				
13,050.00	12,739.26	12,400.00	12,049.97	45.54	41.06	68.37	-430.34	-1,496.09	1,943.76	1,885.65	58.11	33.449				
13,079.11	12,740.00	12,400.00	12,049.97	45.62	41.06	68.37	-430.34	-1,496.09	1,943.78	1,885.65	58.13	33.437				
13,085.52	12,740.00	12,404.51	12,050.00	45.64	41.09	68.37	-434.84	-1,496.05	1,943.77	1,885.61	58.16	33.422				
13,100.00	12,740.00	12,416.32	12,050.00	45.68	41.16	68.37	-446.65	-1,495.95	1,943.78	1,885.55	58.23	33.383				
13,200.00	12,740.00	12,516.32	12,050.00	45.98	41.82	68.37	-546.65	-1,495.07	1,943.89	1,885.07	58.82	33.049				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - Plan #9		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1409-OWSG (Rev2) MWD, 11286-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
13,300.00	12,740.00	12,616.32	12,050.00	46.34	42.54	68.37	-646.64	-1,494.19	1,944.00	1,884.51	59.49	32.680				
13,400.00	12,740.00	12,716.32	12,050.00	46.75	43.30	68.37	-746.64	-1,493.32	1,944.11	1,883.88	60.23	32.280				
13,500.00	12,740.00	12,816.32	12,050.00	47.22	44.11	68.38	-846.64	-1,492.44	1,944.21	1,883.18	61.04	31.853				
13,600.00	12,740.00	12,916.32	12,050.00	47.73	44.97	68.38	-946.63	-1,491.57	1,944.32	1,882.41	61.92	31.403				
13,700.00	12,740.00	13,016.32	12,050.00	48.30	45.87	68.38	-1,046.63	-1,490.69	1,944.43	1,881.57	62.86	30.934				
13,800.00	12,740.00	13,116.32	12,050.00	48.92	46.81	68.38	-1,146.62	-1,489.81	1,944.54	1,880.68	63.86	30.449				
13,900.00	12,740.00	13,216.32	12,050.00	49.58	47.79	68.38	-1,246.62	-1,488.94	1,944.65	1,879.72	64.93	29.951				
14,000.00	12,740.00	13,316.32	12,050.00	50.29	48.80	68.38	-1,346.62	-1,488.06	1,944.76	1,878.71	66.05	29.444				
14,100.00	12,740.00	13,416.32	12,050.00	51.04	49.85	68.38	-1,446.61	-1,487.18	1,944.86	1,877.64	67.23	28.931				
14,200.00	12,740.00	13,516.32	12,050.00	51.83	50.93	68.38	-1,546.61	-1,486.31	1,944.97	1,876.52	68.45	28.414				
14,300.00	12,740.00	13,616.32	12,050.00	52.66	52.04	68.39	-1,646.61	-1,485.43	1,945.08	1,875.36	69.72	27.897				
14,400.00	12,740.00	13,716.32	12,050.00	53.53	53.18	68.39	-1,746.60	-1,484.56	1,945.19	1,874.15	71.04	27.381				
14,500.00	12,740.00	13,816.32	12,050.00	54.44	54.35	68.39	-1,846.60	-1,483.68	1,945.30	1,872.89	72.40	26.868				
14,600.00	12,740.00	13,916.32	12,050.00	55.38	55.54	68.39	-1,946.59	-1,482.80	1,945.40	1,871.60	73.81	26.359				
14,700.00	12,740.00	14,016.32	12,050.00	56.35	56.75	68.39	-2,046.59	-1,481.93	1,945.51	1,870.27	75.25	25.855				
14,800.00	12,740.00	14,116.32	12,050.00	57.35	57.98	68.39	-2,146.59	-1,481.05	1,945.62	1,868.90	76.72	25.359				
14,900.00	12,740.00	14,216.32	12,050.00	58.39	59.24	68.39	-2,246.58	-1,480.18	1,945.73	1,867.50	78.23	24.871				
15,000.00	12,740.00	14,316.32	12,050.00	59.45	60.51	68.39	-2,346.58	-1,479.30	1,945.84	1,866.06	79.78	24.391				
15,100.00	12,740.00	14,416.32	12,050.00	60.54	61.80	68.40	-2,446.57	-1,478.42	1,945.95	1,864.60	81.35	23.921				
15,200.00	12,740.00	14,516.32	12,050.00	61.65	63.11	68.40	-2,546.57	-1,477.55	1,946.05	1,863.10	82.95	23.460				
15,300.00	12,740.00	14,616.32	12,050.00	62.79	64.44	68.40	-2,646.57	-1,476.67	1,946.16	1,861.58	84.58	23.010				
15,400.00	12,740.00	14,716.32	12,050.00	63.94	65.77	68.40	-2,746.56	-1,475.80	1,946.27	1,860.04	86.23	22.570				
15,500.00	12,740.00	14,816.32	12,050.00	65.12	67.13	68.40	-2,846.56	-1,474.92	1,946.38	1,858.47	87.91	22.141				
15,600.00	12,740.00	14,916.32	12,050.00	66.32	68.49	68.40	-2,946.55	-1,474.04	1,946.49	1,856.88	89.61	21.722				
15,700.00	12,740.00	15,016.32	12,050.00	67.54	69.87	68.40	-3,046.55	-1,473.17	1,946.60	1,855.26	91.33	21.313				
15,800.00	12,740.00	15,116.32	12,050.00	68.78	71.26	68.40	-3,146.55	-1,472.29	1,946.70	1,853.63	93.07	20.916				
15,900.00	12,740.00	15,216.32	12,050.00	70.04	72.66	68.41	-3,246.54	-1,471.42	1,946.81	1,851.98	94.83	20.529				
16,000.00	12,740.00	15,316.32	12,050.00	71.31	74.07	68.41	-3,346.54	-1,470.54	1,946.92	1,850.31	96.61	20.152				
16,100.00	12,740.00	15,416.32	12,050.00	72.59	75.49	68.41	-3,446.53	-1,469.66	1,947.03	1,848.62	98.41	19.786				
16,200.00	12,740.00	15,516.32	12,050.00	73.89	76.92	68.41	-3,546.53	-1,468.79	1,947.14	1,846.92	100.22	19.429				
16,300.00	12,740.00	15,616.31	12,050.00	75.21	78.36	68.41	-3,646.53	-1,467.91	1,947.25	1,845.20	102.04	19.083				
16,400.00	12,740.00	15,716.31	12,050.00	76.53	79.81	68.41	-3,746.52	-1,467.04	1,947.35	1,843.47	103.88	18.745				
16,500.00	12,740.00	15,816.31	12,050.00	77.87	81.26	68.41	-3,846.52	-1,466.16	1,947.46	1,841.72	105.74	18.418				
16,600.00	12,740.00	15,916.31	12,050.00	79.22	82.73	68.41	-3,946.52	-1,465.28	1,947.57	1,839.97	107.60	18.100				
16,700.00	12,740.00	16,016.31	12,050.00	80.59	84.20	68.42	-4,046.51	-1,464.41	1,947.68	1,838.20	109.48	17.790				
16,800.00	12,740.00	16,116.31	12,050.00	81.96	85.67	68.42	-4,146.51	-1,463.53	1,947.79	1,836.41	111.37	17.489				
16,900.00	12,740.00	16,216.31	12,050.00	83.34	87.15	68.42	-4,246.50	-1,462.65	1,947.89	1,834.62	113.27	17.196				
17,000.00	12,740.00	16,316.31	12,050.00	84.74	88.64	68.42	-4,346.50	-1,461.78	1,948.00	1,832.82	115.19	16.912				
17,100.00	12,740.00	16,416.31	12,050.00	86.14	90.14	68.42	-4,446.50	-1,460.90	1,948.11	1,831.00	117.11	16.635				
17,200.00	12,740.00	16,516.31	12,050.00	87.55	91.63	68.42	-4,546.49	-1,460.03	1,948.22	1,829.18	119.04	16.366				
17,300.00	12,740.00	16,616.31	12,050.00	88.97	93.14	68.42	-4,646.49	-1,459.15	1,948.33	1,827.35	120.98	16.105				
17,400.00	12,740.00	16,716.31	12,050.00	90.39	94.65	68.42	-4,746.48	-1,458.27	1,948.44	1,825.51	122.93	15.850				
17,500.00	12,740.00	16,816.31	12,050.00	91.83	96.16	68.43	-4,846.48	-1,457.40	1,948.54	1,823.66	124.88	15.603				
17,600.00	12,740.00	16,916.31	12,050.00	93.27	97.68	68.43	-4,946.48	-1,456.52	1,948.65	1,821.80	126.85	15.362				
17,700.00	12,740.00	17,016.31	12,050.00	94.72	99.20	68.43	-5,046.47	-1,455.65	1,948.76	1,819.94	128.82	15.128				
17,800.00	12,740.00	17,116.31	12,050.00	96.17	100.73	68.43	-5,146.47	-1,454.77	1,948.87	1,818.07	130.80	14.900				
17,900.00	12,740.00	17,216.31	12,050.00	97.64	102.26	68.43	-5,246.46	-1,453.89	1,948.98	1,816.19	132.78	14.678				
18,000.00	12,740.00	17,316.31	12,050.00	99.10	103.79	68.43	-5,346.46	-1,453.02	1,949.09	1,814.31	134.78	14.462				
18,100.00	12,740.00	17,416.31	12,050.00	100.58	105.33	68.43	-5,446.46	-1,452.14	1,949.19	1,812.42	136.77	14.251				
18,200.00	12,740.00	17,516.31	12,050.00	102.05	106.87	68.43	-5,546.45	-1,451.27	1,949.30	1,810.52	138.78	14.046				
18,300.00	12,740.00	17,616.31	12,050.00	103.54	108.42	68.44	-5,646.45	-1,450.39	1,949.41	1,808.62	140.79	13.847				
18,400.00	12,740.00	17,716.31	12,050.00	105.03	109.96	68.44	-5,746.45	-1,449.51	1,949.52	1,806.72	142.80	13.652				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Bus Driver/Kaston Fed Com - Kaston Fed Com 703H - OH - Plan #9		Offset Site Error:	0.00 usft
Survey Program:													112-OWSG (Rev2) MWD, 1409-OWSG (Rev2) MWD, 11286-OWSG (Rev2) MWD		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
18,500.00	12,740.00	17,816.31	12,050.00	106.52	111.51	68.44	-5,846.44	-1,448.64	1,949.63	1,804.81	144.82	13.462				
18,600.00	12,740.00	17,916.31	12,050.00	108.02	113.07	68.44	-5,946.44	-1,447.76	1,949.74	1,802.89	146.84	13.278				
18,700.00	12,740.00	18,016.31	12,050.00	109.52	114.62	68.44	-6,046.43	-1,446.89	1,949.84	1,800.97	148.87	13.097				
18,800.00	12,740.00	18,116.31	12,050.00	111.03	116.18	68.44	-6,146.43	-1,446.01	1,949.95	1,799.05	150.91	12.922				
18,900.00	12,740.00	18,216.31	12,050.00	112.54	117.74	68.44	-6,246.43	-1,445.13	1,950.06	1,797.12	152.94	12.750				
19,000.00	12,740.00	18,316.31	12,050.00	114.05	119.31	68.44	-6,346.42	-1,444.26	1,950.17	1,795.18	154.99	12.583				
19,100.00	12,740.00	18,416.31	12,050.00	115.57	120.87	68.45	-6,446.42	-1,443.38	1,950.28	1,793.25	157.03	12.420				
19,200.00	12,740.00	18,516.31	12,050.00	117.09	122.44	68.45	-6,546.41	-1,442.50	1,950.39	1,791.31	159.08	12.260				
19,300.00	12,740.00	18,616.31	12,050.00	118.62	124.01	68.45	-6,646.41	-1,441.63	1,950.49	1,789.36	161.13	12.105				
19,400.00	12,740.00	18,716.31	12,050.00	120.15	125.58	68.45	-6,746.41	-1,440.75	1,950.60	1,787.41	163.19	11.953				
19,500.00	12,740.00	18,816.31	12,050.00	121.68	127.16	68.45	-6,846.40	-1,439.88	1,950.71	1,785.46	165.25	11.805				
19,600.00	12,740.00	18,916.31	12,050.00	123.21	128.73	68.45	-6,946.40	-1,439.00	1,950.82	1,783.51	167.31	11.660				
19,700.00	12,740.00	19,016.31	12,050.00	124.75	130.31	68.45	-7,046.39	-1,438.12	1,950.93	1,781.55	169.38	11.518				
19,800.00	12,740.00	19,116.31	12,050.00	126.29	131.89	68.45	-7,146.39	-1,437.25	1,951.04	1,779.59	171.45	11.380				
19,900.00	12,740.00	19,216.31	12,050.00	127.84	133.47	68.46	-7,246.39	-1,436.37	1,951.14	1,777.63	173.52	11.245				
20,000.00	12,740.00	19,316.31	12,050.00	129.38	135.06	68.46	-7,346.38	-1,435.50	1,951.25	1,775.66	175.59	11.112				
20,100.00	12,740.00	19,416.31	12,050.00	130.93	136.64	68.46	-7,446.38	-1,434.62	1,951.36	1,773.69	177.67	10.983				
20,200.00	12,740.00	19,516.31	12,050.00	132.48	138.23	68.46	-7,546.37	-1,433.74	1,951.47	1,771.72	179.75	10.857				
20,300.00	12,740.00	19,616.31	12,050.00	134.04	139.81	68.46	-7,646.37	-1,432.87	1,951.58	1,769.75	181.83	10.733				
20,400.00	12,740.00	19,716.31	12,050.00	135.59	141.40	68.46	-7,746.37	-1,431.99	1,951.69	1,767.77	183.91	10.612				
20,500.00	12,740.00	19,816.31	12,050.00	137.15	143.00	68.46	-7,846.36	-1,431.12	1,951.79	1,765.79	186.00	10.493				
20,600.00	12,740.00	19,916.31	12,050.00	138.71	144.59	68.46	-7,946.36	-1,430.24	1,951.90	1,763.81	188.09	10.377				
20,700.00	12,740.00	20,016.31	12,050.00	140.27	146.18	68.47	-8,046.36	-1,429.36	1,952.01	1,761.83	190.18	10.264				
20,800.00	12,740.00	20,116.31	12,050.00	141.84	147.78	68.47	-8,146.35	-1,428.49	1,952.12	1,759.85	192.27	10.153				
20,900.00	12,740.00	20,216.31	12,050.00	143.41	149.37	68.47	-8,246.35	-1,427.61	1,952.23	1,757.86	194.37	10.044				
21,000.00	12,740.00	20,316.31	12,050.00	144.97	150.97	68.47	-8,346.34	-1,426.74	1,952.34	1,755.87	196.46	9.937				
21,100.00	12,740.00	20,416.31	12,050.00	146.54	152.57	68.47	-8,446.34	-1,425.86	1,952.44	1,753.88	198.56	9.833				
21,200.00	12,740.00	20,516.31	12,050.00	148.12	154.17	68.47	-8,546.34	-1,424.98	1,952.55	1,751.89	200.66	9.731				
21,300.00	12,740.00	20,616.31	12,050.00	149.69	155.77	68.47	-8,646.33	-1,424.11	1,952.66	1,749.90	202.76	9.630				
21,400.00	12,740.00	20,716.31	12,050.00	151.26	157.37	68.47	-8,746.33	-1,423.23	1,952.77	1,747.90	204.87	9.532				
21,500.00	12,740.00	20,816.31	12,050.00	152.84	158.97	68.48	-8,846.32	-1,422.35	1,952.88	1,745.91	206.97	9.436				
21,600.00	12,740.00	20,916.31	12,050.00	154.42	160.57	68.48	-8,946.32	-1,421.48	1,952.99	1,743.91	209.08	9.341				
21,700.00	12,740.00	21,016.31	12,050.00	156.00	162.18	68.48	-9,046.32	-1,420.60	1,953.09	1,741.91	211.18	9.248				
21,800.00	12,740.00	21,116.31	12,050.00	157.58	163.78	68.48	-9,146.31	-1,419.73	1,953.20	1,739.91	213.29	9.157				
21,900.00	12,740.00	21,216.31	12,050.00	159.16	165.39	68.48	-9,246.31	-1,418.85	1,953.31	1,737.91	215.40	9.068				
22,000.00	12,740.00	21,316.31	12,050.00	160.75	167.00	68.48	-9,346.30	-1,417.97	1,953.42	1,735.90	217.51	8.981				
22,100.00	12,740.00	21,416.31	12,050.00	162.33	168.61	68.48	-9,446.30	-1,417.10	1,953.53	1,733.90	219.63	8.895				
22,200.00	12,740.00	21,516.31	12,050.00	163.92	170.21	68.48	-9,546.30	-1,416.22	1,953.64	1,731.89	221.74	8.810				
22,300.00	12,740.00	21,616.31	12,050.00	165.51	171.82	68.49	-9,646.29	-1,415.35	1,953.74	1,729.89	223.86	8.728				
22,400.00	12,740.00	21,716.31	12,050.00	167.10	173.43	68.49	-9,746.29	-1,414.47	1,953.85	1,727.88	225.97	8.646				
22,500.00	12,740.00	21,816.31	12,050.00	168.69	175.05	68.49	-9,846.29	-1,413.59	1,953.96	1,725.87	228.09	8.567				
22,600.00	12,740.00	21,916.31	12,050.00	170.28	176.66	68.49	-9,946.28	-1,412.72	1,954.07	1,723.86	230.21	8.488				
22,700.00	12,740.00	22,016.31	12,050.00	171.87	178.27	68.49	-10,046.28	-1,411.84	1,954.18	1,721.85	232.33	8.411				
22,800.00	12,740.00	22,116.31	12,050.00	173.47	179.88	68.49	-10,146.27	-1,410.97	1,954.29	1,719.84	234.45	8.336				
22,874.14	12,740.00	22,190.45	12,050.00	174.65	181.08	68.49	-10,220.41	-1,410.32	1,954.37	1,718.34	236.02	8.280 ES, SF				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	39.00	39.00	0.00	0.05	-83.47	425.21	-3,715.12	3,739.38					
100.00	100.00	139.00	139.00	0.13	0.27	-83.47	425.21	-3,715.12	3,739.38	3,739.08	0.29	N/A		
200.00	200.00	239.00	239.00	0.48	0.62	-83.47	425.21	-3,715.12	3,739.38	3,738.59	0.79	4,736.625		
300.00	300.00	339.00	339.00	0.84	0.98	-83.47	425.21	-3,715.12	3,739.38	3,738.08	1.29	2,889.818		
400.00	400.00	439.00	439.00	1.20	1.34	-83.47	425.21	-3,715.12	3,739.38	3,737.58	1.80	2,077.577		
500.00	500.00	539.00	539.00	1.56	1.70	-83.47	425.21	-3,715.12	3,739.38	3,737.07	2.31	1,621.423		
600.00	600.00	639.00	639.00	1.92	2.06	-83.47	425.21	-3,715.12	3,739.38	3,736.56	2.81	1,329.412		
700.00	700.00	739.00	739.00	2.28	2.42	-83.47	425.21	-3,715.12	3,739.38	3,736.06	3.32	1,126.490		
800.00	800.00	839.00	839.00	2.63	2.77	-83.47	425.21	-3,715.12	3,739.38	3,735.55	3.83	977.294		
900.00	900.00	939.00	939.00	2.99	3.13	-83.47	425.21	-3,715.12	3,739.38	3,735.04	4.33	862.987		
1,000.00	1,000.00	1,039.00	1,039.00	3.35	3.49	-83.47	425.21	-3,715.12	3,739.38	3,734.54	4.84	772.615		
1,100.00	1,100.00	1,139.00	1,139.00	3.71	3.85	-83.47	425.21	-3,715.12	3,739.38	3,734.03	5.35	699.373		
1,200.00	1,200.00	1,239.00	1,239.00	4.07	4.21	-83.47	425.21	-3,715.12	3,739.38	3,733.52	5.85	638.813		
1,300.00	1,300.00	1,339.00	1,339.00	4.43	4.57	-83.47	425.21	-3,715.12	3,739.38	3,733.02	6.36	587.904		
1,400.00	1,400.00	1,439.00	1,439.00	4.79	4.93	-83.47	425.21	-3,715.12	3,739.38	3,732.51	6.87	544.510		
1,500.00	1,500.00	1,539.00	1,539.00	5.14	5.28	-83.47	425.21	-3,715.12	3,739.38	3,732.00	7.37	507.080		
1,600.00	1,600.00	1,639.00	1,639.00	5.50	5.64	-83.47	425.21	-3,715.12	3,739.38	3,731.50	7.88	474.465		
1,700.00	1,700.00	1,739.00	1,739.00	5.86	6.00	-83.47	425.21	-3,715.12	3,739.38	3,730.99	8.39	445.792		
1,800.00	1,800.00	1,839.00	1,839.00	6.22	6.36	-83.47	425.21	-3,715.12	3,739.38	3,730.48	8.90	420.387		
1,900.00	1,900.00	1,939.00	1,939.00	6.58	6.72	-83.47	425.21	-3,715.12	3,739.38	3,729.97	9.40	397.721		
2,000.00	2,000.00	2,039.00	2,039.00	6.94	7.08	-83.47	425.21	-3,715.12	3,739.38	3,729.47	9.91	377.374		
2,100.00	2,100.00	2,139.00	2,139.00	7.29	7.43	-83.47	425.21	-3,715.12	3,739.38	3,728.96	10.42	359.008		
2,200.00	2,200.00	2,239.00	2,239.00	7.65	7.79	-83.47	425.21	-3,715.12	3,739.38	3,728.45	10.92	342.346 CC, ES		
2,300.00	2,299.99	2,338.99	2,338.99	8.01	8.15	-145.35	425.21	-3,715.12	3,740.45	3,729.03	11.43	327.356		
2,400.00	2,399.91	2,438.91	2,438.91	8.36	8.51	-145.36	425.21	-3,715.12	3,743.68	3,731.76	11.93	313.895		
2,471.49	2,471.26	2,510.26	2,510.26	8.61	8.77	-145.37	425.21	-3,715.12	3,747.31	3,735.03	12.28	305.050		
2,500.00	2,499.70	2,538.70	2,538.70	8.71	8.87	-145.38	425.21	-3,715.12	3,748.98	3,736.55	12.43	301.680		
2,600.00	2,599.45	2,638.45	2,638.45	9.06	9.23	-145.44	425.21	-3,715.12	3,754.83	3,741.91	12.93	290.455		
2,700.00	2,699.19	2,738.19	2,738.19	9.42	9.58	-145.51	425.21	-3,715.12	3,760.69	3,747.26	13.43	280.050		
2,800.00	2,798.94	2,837.94	2,837.94	9.78	9.94	-145.57	425.21	-3,715.12	3,766.55	3,752.62	13.93	270.381		
2,900.00	2,898.69	2,937.69	2,937.69	10.13	10.30	-145.63	425.21	-3,715.12	3,772.41	3,757.98	14.43	261.373		
3,000.00	2,998.44	3,037.44	3,037.44	10.49	10.66	-145.69	425.21	-3,715.12	3,778.28	3,763.34	14.94	252.963		
3,100.00	3,098.18	3,137.18	3,137.18	10.85	11.01	-145.75	425.21	-3,715.12	3,784.15	3,768.71	15.44	245.093		
3,200.00	3,197.93	3,236.93	3,236.93	11.22	11.37	-145.81	425.21	-3,715.12	3,790.03	3,774.09	15.94	237.714		
3,300.00	3,297.68	3,336.68	3,336.68	11.58	11.73	-145.87	425.21	-3,715.12	3,795.91	3,779.46	16.45	230.782		
3,400.00	3,397.43	3,436.43	3,436.43	11.94	12.09	-145.93	425.21	-3,715.12	3,801.80	3,784.84	16.95	224.258		
3,500.00	3,497.17	3,536.17	3,536.17	12.30	12.44	-145.99	425.21	-3,715.12	3,807.69	3,790.23	17.46	218.107		
3,600.00	3,596.92	3,635.92	3,635.92	12.67	12.80	-146.05	425.21	-3,715.12	3,813.58	3,795.62	17.96	212.299		
3,700.00	3,696.67	3,732.20	3,732.20	13.03	13.14	-146.11	425.19	-3,715.13	3,819.48	3,801.03	18.46	206.924		
3,800.00	3,796.42	3,800.00	3,799.99	13.40	13.37	-146.16	424.43	-3,715.44	3,825.78	3,806.91	18.87	202.721		
3,900.00	3,896.16	3,887.05	3,887.00	13.76	13.66	-146.25	421.82	-3,716.50	3,832.63	3,813.31	19.32	198.344		
4,000.00	3,995.91	3,964.04	3,963.88	14.13	13.91	-146.36	417.99	-3,718.07	3,840.10	3,820.35	19.75	194.429		
4,100.00	4,095.66	4,040.67	4,040.29	14.50	14.16	-146.48	412.75	-3,720.21	3,848.17	3,827.99	20.18	190.717		
4,200.00	4,195.41	4,135.92	4,135.18	14.86	14.47	-146.66	405.09	-3,723.34	3,856.64	3,835.99	20.65	186.753		
4,300.00	4,295.15	4,234.81	4,233.70	15.23	14.80	-146.83	397.12	-3,726.60	3,865.17	3,844.03	21.14	182.875		
4,400.00	4,394.90	4,333.71	4,332.22	15.60	15.13	-147.01	389.15	-3,729.85	3,873.73	3,852.11	21.62	179.158		
4,500.00	4,494.65	4,432.60	4,430.73	15.97	15.46	-147.19	381.18	-3,733.11	3,882.33	3,860.22	22.11	175.591		
4,600.00	4,594.40	4,531.49	4,529.25	16.34	15.79	-147.37	373.21	-3,736.37	3,890.97	3,868.37	22.60	172.168		
4,700.00	4,694.15	4,630.38	4,627.77	16.70	16.13	-147.55	365.24	-3,739.62	3,899.64	3,876.55	23.09	168.881		
4,800.00	4,793.89	4,729.28	4,726.29	17.07	16.47	-147.72	357.27	-3,742.88	3,908.36	3,884.77	23.58	165.722		
4,900.00	4,893.64	4,828.17	4,824.80	17.44	16.81	-147.90	349.29	-3,746.14	3,917.11	3,893.03	24.08	162.685		
5,000.00	4,993.39	4,927.06	4,923.32	17.81	17.15	-148.07	341.32	-3,749.40	3,925.89	3,901.32	24.57	159.764		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,025.95	5,021.84	18.18	17.49	-148.24	333.35	-3,752.65	3,934.71	3,909.64	25.07	156.952		
5,200.00	5,192.88	5,124.85	5,120.35	18.55	17.84	-148.42	325.38	-3,755.91	3,943.57	3,918.00	25.57	154.244		
5,300.00	5,292.63	5,223.74	5,218.87	18.92	18.19	-148.59	317.41	-3,759.17	3,952.47	3,926.40	26.07	151.635		
5,400.00	5,392.38	5,322.63	5,317.39	19.29	18.53	-148.76	309.44	-3,762.42	3,961.40	3,934.83	26.57	149.119		
5,500.00	5,492.13	5,421.52	5,415.90	19.66	18.88	-148.93	301.47	-3,765.68	3,970.36	3,943.30	27.07	146.693		
5,600.00	5,591.87	5,520.42	5,514.42	20.03	19.24	-149.10	293.49	-3,768.94	3,979.36	3,951.79	27.57	144.352		
5,700.00	5,691.62	5,619.31	5,612.94	20.40	19.59	-149.27	285.52	-3,772.19	3,988.40	3,960.33	28.07	142.092		
5,800.00	5,791.37	5,718.20	5,711.45	20.77	19.94	-149.44	277.55	-3,775.45	3,997.47	3,968.89	28.57	139.909		
5,900.00	5,891.12	5,817.09	5,809.97	21.14	20.29	-149.60	269.58	-3,778.71	4,006.57	3,977.50	29.08	137.799		
6,000.00	5,990.86	5,915.99	5,908.49	21.52	20.65	-149.77	261.61	-3,781.96	4,015.71	3,986.13	29.58	135.759		
6,100.00	6,090.61	6,014.88	6,007.01	21.89	21.01	-149.94	253.64	-3,785.22	4,024.88	3,994.80	30.08	133.786		
6,200.00	6,190.36	6,113.77	6,105.52	22.26	21.36	-150.10	245.67	-3,788.48	4,034.09	4,003.50	30.59	131.876		
6,300.00	6,290.11	6,212.66	6,204.04	22.63	21.72	-150.27	237.70	-3,791.74	4,043.33	4,012.23	31.10	130.027		
6,400.00	6,389.85	6,311.56	6,302.56	23.00	22.08	-150.43	229.72	-3,794.99	4,052.60	4,021.00	31.60	128.237		
6,500.00	6,489.60	6,410.45	6,401.07	23.37	22.44	-150.59	221.75	-3,798.25	4,061.91	4,029.80	32.11	126.501		
6,600.00	6,589.35	6,509.34	6,499.59	23.74	22.80	-150.75	213.78	-3,801.51	4,071.25	4,038.63	32.62	124.819		
6,700.00	6,689.10	6,608.23	6,598.11	24.12	23.16	-150.92	205.81	-3,804.76	4,080.62	4,047.49	33.13	123.188		
6,800.00	6,788.84	6,707.13	6,696.62	24.49	23.52	-151.08	197.84	-3,808.02	4,090.02	4,056.39	33.63	121.606		
6,900.00	6,888.59	6,806.02	6,795.14	24.86	23.88	-151.24	189.87	-3,811.28	4,099.46	4,065.32	34.14	120.070		
7,000.00	6,988.34	6,904.91	6,893.66	25.23	24.25	-151.39	181.90	-3,814.53	4,108.93	4,074.28	34.65	118.579		
7,069.58	7,057.74	6,973.72	6,962.21	25.49	24.50	-151.51	176.35	-3,816.80	4,115.53	4,080.53	35.01	117.567		
7,100.00	7,088.09	7,003.82	6,992.19	25.60	24.61	-151.57	173.92	-3,817.79	4,118.32	4,083.16	35.16	117.128		
7,200.00	7,187.97	7,102.98	7,090.97	25.97	24.98	-151.77	165.93	-3,821.06	4,126.00	4,090.33	35.67	115.672		
7,300.00	7,287.93	7,202.41	7,190.02	26.33	25.34	-151.94	157.92	-3,824.33	4,131.41	4,095.23	36.18	114.196		
7,341.07	7,329.00	7,243.30	7,230.76	26.47	25.49	-90.12	154.62	-3,825.68	4,132.97	4,096.58	36.39	113.586		
7,400.00	7,387.93	7,302.01	7,289.25	26.67	25.71	-90.18	149.89	-3,827.61	4,134.93	4,098.24	36.68	112.718		
7,500.00	7,487.93	7,401.63	7,388.49	27.02	26.08	-90.29	141.86	-3,830.89	4,138.26	4,101.07	37.19	111.276		
7,600.00	7,587.93	7,534.00	7,520.42	27.37	26.56	-90.43	131.93	-3,834.95	4,141.44	4,103.65	37.79	109.599		
7,700.00	7,687.93	7,705.95	7,692.19	27.72	27.18	-90.53	124.90	-3,837.82	4,143.14	4,104.66	38.48	107.660		
7,800.00	7,787.93	7,840.70	7,826.93	28.06	27.65	-90.54	124.07	-3,838.16	4,143.35	4,104.28	39.06	106.065		
7,900.00	7,887.93	7,940.70	7,926.93	28.41	27.99	-90.54	124.07	-3,838.16	4,143.35	4,103.79	39.55	104.750		
8,000.00	7,987.93	8,040.70	8,026.93	28.76	28.33	-90.54	124.07	-3,838.16	4,143.35	4,103.30	40.05	103.465		
8,100.00	8,087.93	8,140.70	8,126.93	29.11	28.67	-90.54	124.07	-3,838.16	4,143.35	4,102.81	40.54	102.211		
8,200.00	8,187.93	8,240.70	8,226.93	29.46	29.01	-90.54	124.07	-3,838.16	4,143.35	4,102.32	41.03	100.986		
8,300.00	8,287.93	8,340.70	8,326.93	29.81	29.36	-90.54	124.07	-3,838.16	4,143.35	4,101.82	41.52	99.790		
8,400.00	8,387.93	8,440.70	8,426.93	30.16	29.70	-90.54	124.07	-3,838.16	4,143.35	4,101.33	42.01	98.620		
8,500.00	8,487.93	8,540.70	8,526.93	30.51	30.04	-90.54	124.07	-3,838.16	4,143.35	4,100.84	42.51	97.477		
8,600.00	8,587.93	8,640.70	8,626.93	30.86	30.39	-90.54	124.07	-3,838.16	4,143.35	4,100.35	43.00	96.359		
8,700.00	8,687.93	8,740.70	8,726.93	31.21	30.73	-90.54	124.07	-3,838.16	4,143.35	4,099.85	43.49	95.266		
8,800.00	8,787.93	8,840.70	8,826.93	31.56	31.08	-90.54	124.07	-3,838.16	4,143.35	4,099.36	43.99	94.196		
8,900.00	8,887.93	8,940.70	8,926.93	31.91	31.42	-90.54	124.07	-3,838.16	4,143.35	4,098.87	44.48	93.150		
9,000.00	8,987.93	9,040.70	9,026.93	32.26	31.77	-90.54	124.07	-3,838.16	4,143.35	4,098.37	44.97	92.126		
9,100.00	9,087.93	9,140.70	9,126.93	32.61	32.11	-90.54	124.07	-3,838.16	4,143.35	4,097.88	45.47	91.124		
9,200.00	9,187.93	9,240.70	9,226.93	32.96	32.46	-90.54	124.07	-3,838.16	4,143.35	4,097.38	45.96	90.143		
9,300.00	9,287.93	9,340.70	9,326.93	33.31	32.81	-90.54	124.07	-3,838.16	4,143.35	4,096.89	46.46	89.182		
9,400.00	9,387.93	9,440.70	9,426.93	33.66	33.15	-90.54	124.07	-3,838.16	4,143.35	4,096.39	46.95	88.242		
9,500.00	9,487.93	9,540.70	9,526.93	34.01	33.50	-90.54	124.07	-3,838.16	4,143.35	4,095.90	47.45	87.320		
9,600.00	9,587.93	9,640.70	9,626.93	34.36	33.85	-90.54	124.07	-3,838.16	4,143.35	4,095.40	47.95	86.417		
9,700.00	9,687.93	9,740.70	9,726.93	34.72	34.19	-90.54	124.07	-3,838.16	4,143.35	4,094.90	48.44	85.532		
9,800.00	9,787.93	9,840.70	9,826.93	35.07	34.54	-90.54	124.07	-3,838.16	4,143.35	4,094.41	48.94	84.664		
9,900.00	9,887.93	9,940.70	9,926.93	35.42	34.89	-90.54	124.07	-3,838.16	4,143.35	4,093.91	49.44	83.814		
10,000.00	9,987.93	10,040.70	10,026.93	35.77	35.24	-90.54	124.07	-3,838.16	4,143.35	4,093.41	49.93	82.980		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
10,100.00	10,087.93	10,140.70	10,126.93	36.12	35.59	-90.54	124.07	-3,838.16	4,143.35	4,092.92	50.43	82.162		
10,200.00	10,187.93	10,240.70	10,226.93	36.48	35.93	-90.54	124.07	-3,838.16	4,143.35	4,092.42	50.93	81.360		
10,300.00	10,287.93	10,340.70	10,326.93	36.83	36.28	-90.54	124.07	-3,838.16	4,143.35	4,091.92	51.42	80.574		
10,400.00	10,387.93	10,440.70	10,426.93	37.18	36.63	-90.54	124.07	-3,838.16	4,143.35	4,091.42	51.92	79.801		
10,500.00	10,487.93	10,540.70	10,526.93	37.53	36.98	-90.54	124.07	-3,838.16	4,143.35	4,090.93	52.42	79.044		
10,600.00	10,587.93	10,640.70	10,626.93	37.89	37.33	-90.54	124.07	-3,838.16	4,143.35	4,090.43	52.92	78.300		
10,700.00	10,687.93	10,740.70	10,726.93	38.24	37.68	-90.54	124.07	-3,838.16	4,143.35	4,089.93	53.41	77.570		
10,800.00	10,787.93	10,840.70	10,826.93	38.59	38.03	-90.54	124.07	-3,838.16	4,143.35	4,089.43	53.91	76.853		
10,900.00	10,887.93	10,940.70	10,926.93	38.94	38.38	-90.54	124.07	-3,838.16	4,143.35	4,088.93	54.41	76.149		
11,000.00	10,987.93	11,040.70	11,026.93	39.30	38.73	-90.54	124.07	-3,838.16	4,143.35	4,088.44	54.91	75.458		
11,100.00	11,087.93	11,140.70	11,126.93	39.65	39.08	-90.54	124.07	-3,838.16	4,143.35	4,087.94	55.41	74.779		
11,200.00	11,187.93	11,240.70	11,226.93	40.00	39.43	-90.54	124.07	-3,838.16	4,143.35	4,087.44	55.91	74.112		
11,300.00	11,287.93	11,340.70	11,326.93	40.36	39.78	-90.54	124.07	-3,838.16	4,143.35	4,086.94	56.41	73.456		
11,301.36	11,289.30	11,342.07	11,328.30	40.36	39.78	-90.54	124.07	-3,838.16	4,143.35	4,086.93	56.41	73.447		
11,400.00	11,387.93	11,440.47	11,426.68	40.71	40.13	-90.55	122.89	-3,838.15	4,143.35	4,086.44	56.90	72.812		
11,500.00	11,487.93	11,537.55	11,522.57	41.07	40.48	-90.75	108.52	-3,838.03	4,143.39	4,085.98	57.40	72.179		
11,600.00	11,587.93	11,627.45	11,608.05	41.42	40.82	-91.13	80.96	-3,837.79	4,143.64	4,085.75	57.90	71.569		
11,700.00	11,687.93	11,707.14	11,679.39	41.77	41.14	-91.62	45.61	-3,837.48	4,144.41	4,086.05	58.37	71.006		
11,800.00	11,787.93	11,775.72	11,736.37	42.13	41.43	-92.15	7.52	-3,837.15	4,146.05	4,087.24	58.81	70.501		
11,900.00	11,887.93	11,833.79	11,780.77	42.48	41.67	-92.67	-29.87	-3,836.82	4,148.88	4,089.67	59.21	70.065		
12,000.00	11,987.93	11,882.65	11,815.04	42.83	41.89	-93.15	-64.67	-3,836.52	4,153.18	4,093.59	59.59	69.700		
12,100.00	12,087.93	11,923.77	11,841.50	43.19	42.08	-93.58	-96.14	-3,836.24	4,159.15	4,099.23	59.92	69.409		
12,179.11	12,167.04	11,950.00	11,857.17	43.47	42.20	-93.87	-117.17	-3,836.06	4,165.16	4,105.00	60.16	69.239		
12,200.00	12,187.93	11,950.00	11,857.17	43.54	42.20	86.52	-117.17	-3,836.06	4,166.94	4,106.75	60.19	69.231		
12,250.00	12,237.75	11,975.82	11,871.64	43.70	42.32	85.80	-138.55	-3,835.87	4,171.28	4,110.93	60.35	69.114		
12,300.00	12,287.04	12,000.00	11,884.30	43.85	42.43	85.10	-159.15	-3,835.69	4,175.79	4,115.29	60.51	69.015		
12,350.00	12,335.41	12,000.00	11,884.30	44.00	42.43	84.64	-159.15	-3,835.69	4,180.40	4,119.84	60.56	69.027		
12,400.00	12,382.50	12,030.20	11,898.88	44.14	42.58	83.90	-185.59	-3,835.46	4,184.97	4,124.24	60.73	68.916		
12,450.00	12,427.95	12,050.00	11,907.67	44.27	42.68	83.28	-203.33	-3,835.31	4,189.53	4,128.69	60.85	68.856		
12,500.00	12,471.42	12,068.32	11,915.26	44.39	42.77	82.69	-220.00	-3,835.16	4,194.00	4,133.05	60.96	68.804		
12,550.00	12,512.57	12,100.00	11,927.10	44.50	42.92	82.03	-249.38	-3,834.90	4,198.36	4,137.24	61.11	68.697		
12,600.00	12,551.09	12,100.00	11,927.10	44.59	42.92	81.62	-249.38	-3,834.90	4,202.44	4,141.29	61.15	68.724		
12,650.00	12,586.68	12,127.39	11,936.02	44.68	43.06	81.07	-275.27	-3,834.68	4,206.29	4,145.00	61.29	68.629		
12,700.00	12,619.09	12,150.00	11,942.45	44.76	43.18	80.60	-296.95	-3,834.49	4,209.85	4,148.43	61.41	68.549		
12,750.00	12,648.05	12,167.64	11,946.86	44.84	43.27	80.20	-314.03	-3,834.34	4,213.06	4,151.54	61.52	68.482		
12,800.00	12,673.35	12,200.00	11,953.59	44.93	43.44	79.79	-345.67	-3,834.06	4,215.95	4,154.26	61.69	68.344		
12,850.00	12,694.80	12,200.00	11,953.59	45.04	43.44	79.55	-345.67	-3,834.06	4,218.36	4,156.62	61.74	68.329		
12,900.00	12,712.23	12,228.86	11,958.07	45.16	43.59	79.27	-374.18	-3,833.82	4,220.34	4,158.44	61.90	68.179		
12,950.00	12,725.51	12,250.00	11,960.44	45.28	43.70	79.08	-395.18	-3,833.63	4,221.87	4,159.83	62.04	68.049		
13,000.00	12,734.55	12,270.00	11,961.96	45.41	43.80	78.94	-415.12	-3,833.46	4,222.94	4,160.75	62.19	67.908		
13,050.00	12,739.26	12,297.58	11,962.92	45.54	43.95	78.87	-442.68	-3,833.22	4,223.52	4,161.16	62.36	67.724		
13,079.11	12,740.00	12,309.80	11,963.06	45.62	44.02	78.86	-454.90	-3,833.11	4,223.61	4,161.15	62.46	67.622		
13,100.00	12,740.00	12,330.69	11,963.28	45.68	44.13	78.86	-475.79	-3,832.93	4,223.59	4,161.01	62.58	67.495		
13,200.00	12,740.00	12,430.69	11,964.36	45.98	44.71	78.88	-575.78	-3,832.06	4,223.50	4,160.32	63.17	66.855		
13,300.00	12,740.00	12,530.68	11,965.44	46.34	45.34	78.89	-675.76	-3,831.18	4,223.41	4,159.56	63.85	66.146		
13,400.00	12,740.00	12,630.67	11,966.52	46.75	46.01	78.91	-775.75	-3,830.31	4,223.32	4,158.71	64.60	65.375		
13,500.00	12,740.00	12,730.67	11,967.61	47.22	46.74	78.92	-875.73	-3,829.44	4,223.23	4,157.80	65.42	64.551		
13,600.00	12,740.00	12,830.66	11,968.69	47.73	47.51	78.94	-975.71	-3,828.57	4,223.14	4,156.82	66.32	63.680		
13,700.00	12,740.00	12,930.66	11,969.77	48.30	48.33	78.95	-1,075.70	-3,827.70	4,223.05	4,155.77	67.28	62.770		
13,800.00	12,740.00	13,030.65	11,970.85	48.92	49.19	78.97	-1,175.68	-3,826.82	4,222.96	4,154.66	68.30	61.827		
13,900.00	12,740.00	13,130.64	11,971.93	49.58	50.09	78.98	-1,275.67	-3,825.95	4,222.87	4,153.48	69.39	60.859		
14,000.00	12,740.00	13,230.64	11,973.01	50.29	51.02	79.00	-1,375.65	-3,825.08	4,222.78	4,152.25	70.53	59.871		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
14,100.00	12,740.00	13,330.63	11,974.09	51.04	51.99	79.01	-1,475.64	-3,824.21	4,222.69	4,150.96	71.73	58.869		
14,200.00	12,740.00	13,430.63	11,975.17	51.83	53.00	79.03	-1,575.62	-3,823.33	4,222.60	4,149.62	72.98	57.857		
14,300.00	12,740.00	13,530.62	11,976.25	52.66	54.04	79.04	-1,675.61	-3,822.46	4,222.52	4,148.23	74.29	56.841		
14,400.00	12,740.00	13,630.62	11,977.33	53.53	55.10	79.06	-1,775.59	-3,821.59	4,222.43	4,146.79	75.64	55.825		
14,500.00	12,740.00	13,730.61	11,978.41	54.44	56.20	79.07	-1,875.57	-3,820.72	4,222.34	4,145.31	77.03	54.812		
14,600.00	12,740.00	13,830.60	11,979.49	55.38	57.32	79.08	-1,975.56	-3,819.84	4,222.25	4,143.78	78.47	53.806		
14,700.00	12,740.00	13,930.60	11,980.57	56.35	58.47	79.10	-2,075.54	-3,818.97	4,222.17	4,142.22	79.95	52.809		
14,800.00	12,740.00	14,030.59	11,981.65	57.35	59.64	79.11	-2,175.53	-3,818.10	4,222.08	4,140.61	81.47	51.824		
14,900.00	12,740.00	14,130.59	11,982.74	58.39	60.83	79.13	-2,275.51	-3,817.23	4,222.00	4,138.97	83.02	50.853		
15,000.00	12,740.00	14,230.58	11,983.82	59.45	62.04	79.14	-2,375.50	-3,816.36	4,221.91	4,137.30	84.61	49.897		
15,100.00	12,740.00	14,330.57	11,984.90	60.54	63.28	79.16	-2,475.48	-3,815.48	4,221.82	4,135.59	86.23	48.958		
15,200.00	12,740.00	14,430.57	11,985.98	61.65	64.53	79.17	-2,575.47	-3,814.61	4,221.74	4,133.85	87.88	48.037		
15,300.00	12,740.00	14,530.56	11,987.06	62.79	65.80	79.19	-2,675.45	-3,813.74	4,221.65	4,132.09	89.57	47.135		
15,400.00	12,740.00	14,630.56	11,988.14	63.94	67.09	79.20	-2,775.43	-3,812.87	4,221.57	4,130.30	91.27	46.252		
15,500.00	12,740.00	14,730.55	11,989.22	65.12	68.39	79.22	-2,875.42	-3,811.99	4,221.49	4,128.48	93.01	45.389		
15,600.00	12,740.00	14,830.54	11,990.30	66.32	69.71	79.23	-2,975.40	-3,811.12	4,221.40	4,126.64	94.77	44.546		
15,700.00	12,740.00	14,930.54	11,991.38	67.54	71.04	79.25	-3,075.39	-3,810.25	4,221.32	4,124.77	96.55	43.723		
15,800.00	12,740.00	15,030.53	11,992.46	68.78	72.38	79.26	-3,175.37	-3,809.38	4,221.23	4,122.88	98.35	42.920		
15,900.00	12,740.00	15,130.53	11,993.54	70.04	73.74	79.28	-3,275.36	-3,808.50	4,221.15	4,120.98	100.17	42.138		
16,000.00	12,740.00	15,230.52	11,994.62	71.31	75.11	79.29	-3,375.34	-3,807.63	4,221.07	4,119.05	102.02	41.376		
16,100.00	12,740.00	15,330.51	11,995.70	72.59	76.49	79.31	-3,475.33	-3,806.76	4,220.98	4,117.10	103.88	40.633		
16,200.00	12,740.00	15,430.51	11,996.78	73.89	77.88	79.32	-3,575.31	-3,805.89	4,220.90	4,115.14	105.76	39.910		
16,300.00	12,740.00	15,530.50	11,997.87	75.21	79.28	79.33	-3,675.29	-3,805.02	4,220.82	4,113.16	107.66	39.206		
16,400.00	12,740.00	15,630.50	11,998.95	76.53	80.69	79.35	-3,775.28	-3,804.14	4,220.74	4,111.17	109.57	38.521		
16,500.00	12,740.00	15,730.49	12,000.03	77.87	82.11	79.36	-3,875.26	-3,803.27	4,220.66	4,109.16	111.50	37.854		
16,600.00	12,740.00	15,830.49	12,001.11	79.22	83.53	79.38	-3,975.25	-3,802.40	4,220.58	4,107.14	113.44	37.206		
16,700.00	12,740.00	15,930.48	12,002.19	80.59	84.97	79.39	-4,075.23	-3,801.53	4,220.49	4,105.10	115.40	36.574		
16,800.00	12,740.00	16,030.47	12,003.27	81.96	86.41	79.41	-4,175.22	-3,800.65	4,220.41	4,103.05	117.36	35.960		
16,900.00	12,740.00	16,130.47	12,004.35	83.34	87.86	79.42	-4,275.20	-3,799.78	4,220.33	4,100.99	119.34	35.363		
17,000.00	12,740.00	16,230.46	12,005.43	84.74	89.32	79.44	-4,375.19	-3,798.91	4,220.25	4,098.92	121.34	34.781		
17,100.00	12,740.00	16,330.46	12,006.51	86.14	90.78	79.45	-4,475.17	-3,798.04	4,220.17	4,096.83	123.34	34.216		
17,200.00	12,740.00	16,430.45	12,007.59	87.55	92.25	79.47	-4,575.15	-3,797.16	4,220.09	4,094.74	125.35	33.665		
17,300.00	12,740.00	16,530.44	12,008.67	88.97	93.73	79.48	-4,675.14	-3,796.29	4,220.01	4,092.64	127.38	33.130		
17,400.00	12,740.00	16,630.44	12,009.75	90.39	95.21	79.50	-4,775.12	-3,795.42	4,219.94	4,090.52	129.41	32.609		
17,500.00	12,740.00	16,730.43	12,010.83	91.83	96.70	79.51	-4,875.11	-3,794.55	4,219.86	4,088.40	131.45	32.101		
17,600.00	12,740.00	16,830.43	12,011.91	93.27	98.19	79.53	-4,975.09	-3,793.68	4,219.78	4,086.27	133.51	31.607		
17,700.00	12,740.00	16,930.42	12,013.00	94.72	99.69	79.54	-5,075.08	-3,792.80	4,219.70	4,084.13	135.57	31.126		
17,800.00	12,740.00	17,030.41	12,014.08	96.17	101.19	79.56	-5,175.06	-3,791.93	4,219.62	4,081.99	137.64	30.658		
17,900.00	12,740.00	17,130.41	12,015.16	97.64	102.70	79.57	-5,275.05	-3,791.06	4,219.54	4,079.83	139.71	30.202		
18,000.00	12,740.00	17,230.40	12,016.24	99.10	104.21	79.59	-5,375.03	-3,790.19	4,219.47	4,077.67	141.79	29.758		
18,100.00	12,740.00	17,330.40	12,017.32	100.58	105.73	79.60	-5,475.01	-3,789.31	4,219.39	4,075.50	143.88	29.325		
18,200.00	12,740.00	17,430.39	12,018.40	102.05	107.25	79.61	-5,575.00	-3,788.44	4,219.31	4,073.33	145.98	28.903		
18,300.00	12,740.00	17,530.38	12,019.48	103.54	108.77	79.63	-5,674.98	-3,787.57	4,219.24	4,071.15	148.09	28.492		
18,400.00	12,740.00	17,630.38	12,020.56	105.03	110.30	79.64	-5,774.97	-3,786.70	4,219.16	4,068.96	150.20	28.091		
18,500.00	12,740.00	17,730.37	12,021.64	106.52	111.83	79.66	-5,874.95	-3,785.82	4,219.08	4,066.77	152.31	27.700		
18,600.00	12,740.00	17,830.37	12,022.72	108.02	113.36	79.67	-5,974.94	-3,784.95	4,219.01	4,064.58	154.43	27.319		
18,700.00	12,740.00	17,930.36	12,023.80	109.52	114.90	79.69	-6,074.92	-3,784.08	4,218.93	4,062.37	156.56	26.948		
18,800.00	12,740.00	18,030.36	12,024.88	111.03	116.44	79.70	-6,174.91	-3,783.21	4,218.86	4,060.17	158.69	26.585		
18,900.00	12,740.00	18,130.35	12,025.96	112.54	117.99	79.72	-6,274.89	-3,782.34	4,218.78	4,057.95	160.83	26.232		
19,000.00	12,740.00	18,230.34	12,027.04	114.05	119.53	79.73	-6,374.87	-3,781.46	4,218.71	4,055.74	162.97	25.886		
19,100.00	12,740.00	18,330.34	12,028.13	115.57	121.08	79.75	-6,474.86	-3,780.59	4,218.63	4,053.52	165.12	25.549		
19,200.00	12,740.00	18,430.33	12,029.21	117.09	122.63	79.76	-6,574.84	-3,779.72	4,218.56	4,051.29	167.27	25.220		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
19,300.00	12,740.00	18,530.33	12,030.29	118.62	124.19	79.78	-6,674.83	-3,778.85	4,218.49	4,049.06	169.42	24.899			
19,400.00	12,740.00	18,630.32	12,031.37	120.15	125.75	79.79	-6,774.81	-3,777.97	4,218.41	4,046.83	171.58	24.585			
19,500.00	12,740.00	18,730.31	12,032.45	121.68	127.30	79.81	-6,874.80	-3,777.10	4,218.34	4,044.59	173.75	24.278			
19,600.00	12,740.00	18,830.31	12,033.53	123.21	128.87	79.82	-6,974.78	-3,776.23	4,218.27	4,042.35	175.92	23.979			
19,700.00	12,740.00	18,930.30	12,034.61	124.75	130.43	79.84	-7,074.77	-3,775.36	4,218.19	4,040.11	178.09	23.686			
19,800.00	12,740.00	19,030.30	12,035.69	126.29	132.00	79.85	-7,174.75	-3,774.48	4,218.12	4,037.86	180.26	23.400			
19,900.00	12,740.00	19,130.29	12,036.77	127.84	133.56	79.87	-7,274.73	-3,773.61	4,218.05	4,035.61	182.44	23.120			
20,000.00	12,740.00	19,230.28	12,037.85	129.38	135.13	79.88	-7,374.72	-3,772.74	4,217.98	4,033.35	184.62	22.846			
20,100.00	12,740.00	19,330.28	12,038.93	130.93	136.71	79.89	-7,474.70	-3,771.87	4,217.91	4,031.10	186.81	22.579			
20,200.00	12,740.00	19,430.27	12,040.01	132.48	138.28	79.91	-7,574.69	-3,771.00	4,217.83	4,028.84	189.00	22.317			
20,300.00	12,740.00	19,530.27	12,041.09	134.04	139.86	79.92	-7,674.67	-3,770.12	4,217.76	4,026.57	191.19	22.061			
20,400.00	12,740.00	19,630.26	12,042.17	135.59	141.43	79.94	-7,774.66	-3,769.25	4,217.69	4,024.31	193.38	21.810			
20,500.00	12,740.00	19,730.25	12,043.26	137.15	143.01	79.95	-7,874.64	-3,768.38	4,217.62	4,022.04	195.58	21.565			
20,600.00	12,740.00	19,830.25	12,044.34	138.71	144.59	79.97	-7,974.63	-3,767.51	4,217.55	4,019.77	197.78	21.325			
20,700.00	12,740.00	19,930.24	12,045.42	140.27	146.17	79.98	-8,074.61	-3,766.63	4,217.48	4,017.50	199.98	21.089			
20,800.00	12,740.00	20,030.24	12,046.50	141.84	147.76	80.00	-8,174.59	-3,765.76	4,217.41	4,015.23	202.19	20.859			
20,900.00	12,740.00	20,130.23	12,047.58	143.41	149.34	80.01	-8,274.58	-3,764.89	4,217.34	4,012.95	204.39	20.633			
21,000.00	12,740.00	20,230.23	12,048.66	144.97	150.93	80.03	-8,374.56	-3,764.02	4,217.27	4,010.67	206.60	20.412			
21,100.00	12,740.00	20,330.22	12,049.74	146.54	152.52	80.04	-8,474.55	-3,763.14	4,217.21	4,008.39	208.81	20.196			
21,200.00	12,740.00	20,430.21	12,050.82	148.12	154.11	80.06	-8,574.53	-3,762.27	4,217.14	4,006.11	211.03	19.984			
21,300.00	12,740.00	20,530.21	12,051.90	149.69	155.70	80.07	-8,674.52	-3,761.40	4,217.07	4,003.82	213.25	19.776			
21,400.00	12,740.00	20,630.20	12,052.98	151.26	157.29	80.09	-8,774.50	-3,760.53	4,217.00	4,001.54	215.46	19.572			
21,500.00	12,740.00	20,730.20	12,054.06	152.84	158.88	80.10	-8,874.49	-3,759.66	4,216.93	3,999.25	217.69	19.372			
21,600.00	12,740.00	20,830.19	12,055.14	154.42	160.48	80.12	-8,974.47	-3,758.78	4,216.87	3,996.96	219.91	19.176			
21,700.00	12,740.00	20,930.18	12,056.22	156.00	162.07	80.13	-9,074.45	-3,757.91	4,216.80	3,994.67	222.13	18.983			
21,800.00	12,740.00	21,030.18	12,057.30	157.58	163.67	80.15	-9,174.44	-3,757.04	4,216.73	3,992.37	224.36	18.794			
21,900.00	12,740.00	21,130.17	12,058.39	159.16	165.27	80.16	-9,274.42	-3,756.17	4,216.67	3,990.08	226.59	18.609			
22,000.00	12,740.00	21,230.17	12,059.47	160.75	166.86	80.17	-9,374.41	-3,755.29	4,216.60	3,987.78	228.82	18.428			
22,100.00	12,740.00	21,330.16	12,060.55	162.33	168.46	80.19	-9,474.39	-3,754.42	4,216.53	3,985.48	231.05	18.249			
22,200.00	12,740.00	21,430.15	12,061.63	163.92	170.06	80.20	-9,574.38	-3,753.55	4,216.47	3,983.18	233.29	18.074			
22,300.00	12,740.00	21,530.15	12,062.71	165.51	171.67	80.22	-9,674.36	-3,752.68	4,216.40	3,980.88	235.52	17.902			
22,400.00	12,740.00	21,630.14	12,063.79	167.10	173.27	80.23	-9,774.35	-3,751.80	4,216.34	3,978.58	237.76	17.734			
22,500.00	12,740.00	21,730.14	12,064.87	168.69	174.87	80.25	-9,874.33	-3,750.93	4,216.27	3,976.27	240.00	17.568			
22,600.00	12,740.00	21,830.13	12,065.95	170.28	176.48	80.26	-9,974.31	-3,750.06	4,216.21	3,973.97	242.24	17.405			
22,700.00	12,740.00	21,930.12	12,067.03	171.87	178.08	80.28	-10,074.30	-3,749.19	4,216.14	3,971.66	244.48	17.245			
22,800.00	12,740.00	22,030.12	12,068.11	173.47	179.69	80.29	-10,174.28	-3,748.32	4,216.08	3,969.35	246.73	17.088			
22,873.68	12,740.00	22,101.01	12,068.88	174.64	180.83	80.30	-10,245.17	-3,747.70	4,216.03	3,967.69	248.35	16.976			
22,874.14	12,740.00	22,101.01	12,068.88	174.65	180.83	80.30	-10,245.17	-3,747.70	4,216.03	3,967.68	248.35	16.976 SF			

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

7/17/2021 12:24:44AM

Page 41

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	39.00	39.00	0.00	0.05	-83.40	425.53	-3,680.13	3,704.65					
100.00	100.00	139.00	139.00	0.13	0.27	-83.40	425.53	-3,680.13	3,704.65	3,704.36	0.29	N/A		
200.00	200.00	239.00	239.00	0.48	0.62	-83.40	425.53	-3,680.13	3,704.65	3,703.86	0.79	4,692.640		
300.00	300.00	339.00	339.00	0.84	0.98	-83.40	425.53	-3,680.13	3,704.65	3,703.36	1.29	2,862.983		
400.00	400.00	439.00	439.00	1.20	1.34	-83.40	425.53	-3,680.13	3,704.65	3,702.85	1.80	2,058.285		
500.00	500.00	539.00	539.00	1.56	1.70	-83.40	425.53	-3,680.13	3,704.65	3,702.35	2.31	1,606.366		
600.00	600.00	639.00	639.00	1.92	2.06	-83.40	425.53	-3,680.13	3,704.65	3,701.84	2.81	1,317.067		
700.00	700.00	739.00	739.00	2.28	2.42	-83.40	425.53	-3,680.13	3,704.65	3,701.33	3.32	1,116.029		
800.00	800.00	839.00	839.00	2.63	2.77	-83.40	425.53	-3,680.13	3,704.65	3,700.83	3.83	968.219		
900.00	900.00	939.00	939.00	2.99	3.13	-83.40	425.53	-3,680.13	3,704.65	3,700.32	4.33	854.973		
1,000.00	1,000.00	1,039.00	1,039.00	3.35	3.49	-83.40	425.53	-3,680.13	3,704.65	3,699.81	4.84	765.440		
1,100.00	1,100.00	1,139.00	1,139.00	3.71	3.85	-83.40	425.53	-3,680.13	3,704.65	3,699.31	5.35	692.878		
1,200.00	1,200.00	1,239.00	1,239.00	4.07	4.21	-83.40	425.53	-3,680.13	3,704.65	3,698.80	5.85	632.881		
1,300.00	1,300.00	1,339.00	1,339.00	4.43	4.57	-83.40	425.53	-3,680.13	3,704.65	3,698.29	6.36	582.445		
1,400.00	1,400.00	1,439.00	1,439.00	4.79	4.93	-83.40	425.53	-3,680.13	3,704.65	3,697.78	6.87	539.453		
1,500.00	1,500.00	1,539.00	1,539.00	5.14	5.28	-83.40	425.53	-3,680.13	3,704.65	3,697.28	7.37	502.372		
1,600.00	1,600.00	1,639.00	1,639.00	5.50	5.64	-83.40	425.53	-3,680.13	3,704.65	3,696.77	7.88	470.060		
1,700.00	1,700.00	1,739.00	1,739.00	5.86	6.00	-83.40	425.53	-3,680.13	3,704.65	3,696.26	8.39	441.653		
1,800.00	1,800.00	1,839.00	1,839.00	6.22	6.36	-83.40	425.53	-3,680.13	3,704.65	3,695.76	8.90	416.483		
1,900.00	1,900.00	1,939.00	1,939.00	6.58	6.72	-83.40	425.53	-3,680.13	3,704.65	3,695.25	9.40	394.028		
2,000.00	2,000.00	2,039.00	2,039.00	6.94	7.08	-83.40	425.53	-3,680.13	3,704.65	3,694.74	9.91	373.870		
2,100.00	2,100.00	2,139.00	2,139.00	7.29	7.43	-83.40	425.53	-3,680.13	3,704.65	3,694.24	10.42	355.674		
2,200.00	2,200.00	2,239.00	2,239.00	7.65	7.79	-83.40	425.53	-3,680.13	3,704.65	3,693.73	10.92	339.167 CC		
2,300.00	2,299.99	2,338.99	2,338.99	8.01	8.15	-145.29	425.53	-3,680.13	3,705.73	3,694.30	11.43	324.317		
2,400.00	2,399.91	2,438.91	2,438.91	8.36	8.51	-145.29	425.53	-3,680.13	3,708.96	3,697.03	11.93	310.983		
2,471.49	2,471.26	2,510.26	2,510.26	8.61	8.77	-145.30	425.53	-3,680.13	3,712.58	3,700.30	12.28	302.222		
2,500.00	2,499.70	2,538.70	2,538.70	8.71	8.87	-145.32	425.53	-3,680.13	3,714.25	3,701.82	12.43	298.886		
2,600.00	2,599.45	2,638.45	2,638.45	9.06	9.23	-145.38	425.53	-3,680.13	3,720.10	3,707.17	12.93	287.767		
2,700.00	2,699.19	2,782.31	2,782.30	9.42	9.73	-145.48	424.73	-3,679.73	3,725.72	3,712.19	13.53	275.347		
2,800.00	2,798.94	2,980.55	2,980.30	9.78	10.38	-145.72	416.37	-3,675.47	3,728.90	3,714.66	14.24	261.922		
2,900.00	2,898.69	3,080.05	3,079.56	10.13	10.71	-145.87	410.19	-3,672.33	3,730.96	3,716.24	14.72	253.501		
3,000.00	2,998.44	3,179.54	3,178.81	10.49	11.04	-146.02	404.01	-3,669.18	3,733.06	3,717.85	15.20	245.574		
3,100.00	3,098.18	3,279.04	3,278.06	10.85	11.37	-146.17	397.82	-3,666.04	3,735.17	3,719.49	15.69	238.102		
3,200.00	3,197.93	3,378.53	3,377.31	11.22	11.71	-146.32	391.64	-3,662.89	3,737.32	3,721.14	16.18	231.049		
3,300.00	3,297.68	3,478.03	3,476.57	11.58	12.05	-146.47	385.46	-3,659.75	3,739.49	3,722.82	16.67	224.385		
3,400.00	3,397.43	3,577.52	3,575.82	11.94	12.39	-146.62	379.28	-3,656.60	3,741.69	3,724.53	17.16	218.081		
3,500.00	3,497.17	3,677.02	3,675.07	12.30	12.73	-146.77	373.10	-3,653.46	3,743.91	3,726.26	17.65	212.109		
3,600.00	3,596.92	3,776.51	3,774.33	12.67	13.08	-146.92	366.91	-3,650.31	3,746.16	3,728.01	18.15	206.447		
3,700.00	3,696.67	3,876.01	3,873.58	13.03	13.42	-147.07	360.73	-3,647.17	3,748.43	3,729.79	18.64	201.072		
3,800.00	3,796.42	3,975.50	3,972.83	13.40	13.77	-147.22	354.55	-3,644.02	3,750.73	3,731.59	19.14	195.963		
3,900.00	3,896.16	4,075.00	4,072.08	13.76	14.12	-147.37	348.37	-3,640.88	3,753.05	3,733.41	19.64	191.104		
4,000.00	3,995.91	4,174.49	4,171.34	14.13	14.47	-147.51	342.18	-3,637.73	3,755.40	3,735.26	20.14	186.476		
4,100.00	4,095.66	4,273.99	4,270.59	14.50	14.82	-147.66	336.00	-3,634.59	3,757.77	3,737.13	20.64	182.065		
4,200.00	4,195.41	4,373.48	4,369.84	14.86	15.17	-147.81	329.82	-3,631.44	3,760.17	3,739.03	21.14	177.856		
4,300.00	4,295.15	4,472.98	4,469.10	15.23	15.53	-147.96	323.64	-3,628.30	3,762.60	3,740.95	21.64	173.836		
4,400.00	4,394.90	4,572.47	4,568.35	15.60	15.88	-148.11	317.46	-3,625.15	3,765.05	3,742.90	22.15	169.994		
4,500.00	4,494.65	4,671.97	4,667.60	15.97	16.24	-148.25	311.27	-3,622.00	3,767.53	3,744.87	22.65	166.318		
4,600.00	4,494.40	4,771.46	4,766.85	16.34	16.60	-148.40	305.09	-3,618.86	3,770.03	3,746.87	23.16	162.798		
4,700.00	4,494.15	4,870.96	4,866.11	16.70	16.95	-148.55	298.91	-3,615.71	3,772.55	3,748.89	23.66	159.425		
4,800.00	4,793.89	4,970.45	4,965.36	17.07	17.31	-148.69	292.73	-3,612.57	3,775.10	3,750.93	24.17	156.190		
4,900.00	4,893.64	5,069.95	5,064.61	17.44	17.67	-148.84	286.55	-3,609.42	3,777.68	3,753.00	24.68	153.085		
5,000.00	4,993.39	5,169.44	5,163.86	17.81	18.03	-148.99	280.36	-3,606.28	3,780.28	3,755.09	25.18	150.103		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,268.94	5,263.12	18.18	18.39	-149.13	274.18	-3,603.13	3,782.90	3,757.21	25.69	147.237		
5,200.00	5,192.88	5,368.43	5,362.37	18.55	18.75	-149.28	268.00	-3,599.99	3,785.55	3,759.35	26.20	144.480		
5,300.00	5,292.63	5,467.93	5,461.62	18.92	19.11	-149.43	261.82	-3,596.84	3,788.23	3,761.52	26.71	141.826		
5,400.00	5,392.38	5,567.42	5,560.88	19.29	19.47	-149.57	255.64	-3,593.70	3,790.93	3,763.71	27.22	139.271		
5,500.00	5,492.13	5,666.91	5,660.13	19.66	19.84	-149.72	249.45	-3,590.55	3,793.65	3,765.92	27.73	136.808		
5,600.00	5,591.87	5,766.41	5,759.38	20.03	20.20	-149.86	243.27	-3,587.41	3,796.40	3,768.16	28.24	134.433		
5,700.00	5,691.62	5,865.90	5,858.63	20.40	20.56	-150.01	237.09	-3,584.26	3,799.17	3,770.42	28.75	132.141		
5,800.00	5,791.37	5,965.40	5,957.89	20.77	20.93	-150.15	230.91	-3,581.12	3,801.97	3,772.71	29.26	129.929		
5,900.00	5,891.12	6,064.89	6,057.14	21.14	21.29	-150.30	224.73	-3,577.97	3,804.79	3,775.02	29.77	127.792		
6,000.00	5,990.86	6,164.39	6,156.39	21.52	21.65	-150.44	218.54	-3,574.83	3,807.64	3,777.36	30.28	125.727		
6,100.00	6,090.61	6,263.88	6,255.65	21.89	22.02	-150.58	212.36	-3,571.68	3,810.51	3,779.72	30.80	123.730		
6,200.00	6,190.36	6,363.38	6,354.90	22.26	22.38	-150.73	206.18	-3,568.54	3,813.41	3,782.10	31.31	121.798		
6,300.00	6,290.11	6,462.87	6,454.15	22.63	22.75	-150.87	200.00	-3,565.39	3,816.33	3,784.51	31.82	119.928		
6,400.00	6,389.85	6,562.37	6,553.40	23.00	23.11	-151.01	193.82	-3,562.24	3,819.27	3,786.94	32.33	118.117		
6,500.00	6,489.60	6,661.86	6,652.66	23.37	23.48	-151.16	187.63	-3,559.10	3,822.24	3,789.39	32.85	116.362		
6,600.00	6,589.35	6,761.36	6,751.91	23.74	23.85	-151.30	181.45	-3,555.95	3,825.23	3,791.87	33.36	114.661		
6,700.00	6,689.10	6,860.85	6,851.16	24.12	24.21	-151.44	175.27	-3,552.81	3,828.25	3,794.37	33.87	113.012		
6,800.00	6,788.84	6,960.35	6,950.42	24.49	24.58	-151.59	169.09	-3,549.66	3,831.29	3,796.90	34.39	111.412		
6,900.00	6,888.59	7,059.84	7,049.67	24.86	24.95	-151.73	162.91	-3,546.52	3,834.35	3,799.45	34.90	109.859		
7,000.00	6,988.34	7,159.34	7,148.92	25.23	25.31	-151.87	156.72	-3,543.37	3,837.44	3,802.02	35.42	108.351		
7,069.58	7,057.74	7,228.56	7,217.98	25.49	25.57	-151.97	152.42	-3,541.18	3,839.60	3,803.82	35.77	107.328		
7,100.00	7,088.09	7,258.84	7,248.18	25.60	25.68	-152.02	150.54	-3,540.23	3,840.44	3,804.51	35.93	106.884		
7,200.00	7,187.97	7,358.46	7,347.56	25.97	26.05	-152.15	144.35	-3,537.08	3,841.71	3,805.27	36.44	105.414		
7,300.00	7,287.93	7,458.19	7,447.04	26.33	26.42	-152.26	138.16	-3,533.93	3,840.69	3,803.73	36.96	103.926		
7,341.07	7,329.00	7,499.15	7,487.91	26.47	26.57	-90.41	135.61	-3,532.63	3,839.60	3,802.44	37.16	103.313		
7,400.00	7,387.93	7,541.52	7,530.19	26.67	26.73	-90.45	133.13	-3,531.37	3,837.88	3,800.46	37.42	102.562		
7,500.00	7,487.93	7,600.00	7,588.58	27.02	26.94	-90.49	130.40	-3,529.98	3,835.61	3,797.80	37.82	101.430		
7,600.00	7,587.93	7,679.51	7,668.04	27.37	27.22	-90.52	127.95	-3,528.73	3,834.12	3,795.85	38.26	100.207		
7,700.00	7,687.93	7,748.62	7,737.14	27.72	27.47	-90.54	127.03	-3,528.26	3,833.45	3,794.77	38.68	99.119		
7,749.80	7,737.73	7,788.21	7,776.73	27.89	27.60	-90.54	126.97	-3,528.23	3,833.40	3,794.51	38.89	98.565		
7,800.00	7,787.93	7,838.41	7,826.93	28.06	27.77	-90.54	126.97	-3,528.23	3,833.40	3,794.27	39.14	97.950		
7,900.00	7,887.93	7,938.41	7,926.93	28.41	28.10	-90.54	126.97	-3,528.23	3,833.40	3,793.78	39.62	96.746		
8,000.00	7,987.93	8,038.41	8,026.93	28.76	28.44	-90.54	126.97	-3,528.23	3,833.40	3,793.29	40.11	95.571		
8,100.00	8,087.93	8,138.41	8,126.93	29.11	28.78	-90.54	126.97	-3,528.23	3,833.40	3,792.80	40.60	94.423		
8,200.00	8,187.93	8,238.41	8,226.93	29.46	29.12	-90.54	126.97	-3,528.23	3,833.40	3,792.32	41.09	93.301		
8,300.00	8,287.93	8,338.41	8,326.93	29.81	29.46	-90.54	126.97	-3,528.23	3,833.40	3,791.83	41.58	92.204		
8,400.00	8,387.93	8,438.41	8,426.93	30.16	29.79	-90.54	126.97	-3,528.23	3,833.40	3,791.34	42.06	91.132		
8,500.00	8,487.93	8,538.41	8,526.93	30.51	30.13	-90.54	126.97	-3,528.23	3,833.40	3,790.85	42.55	90.084		
8,600.00	8,587.93	8,638.41	8,626.93	30.86	30.47	-90.54	126.97	-3,528.23	3,833.40	3,790.36	43.04	89.058		
8,700.00	8,687.93	8,738.41	8,726.93	31.21	30.81	-90.54	126.97	-3,528.23	3,833.40	3,789.87	43.53	88.055		
8,800.00	8,787.93	8,838.41	8,826.93	31.56	31.15	-90.54	126.97	-3,528.23	3,833.40	3,789.38	44.02	87.074		
8,900.00	8,887.93	8,938.41	8,926.93	31.91	31.49	-90.54	126.97	-3,528.23	3,833.40	3,788.89	44.52	86.113		
9,000.00	8,987.93	9,038.41	9,026.93	32.26	31.84	-90.54	126.97	-3,528.23	3,833.40	3,788.39	45.01	85.173		
9,100.00	9,087.93	9,138.41	9,126.93	32.61	32.18	-90.54	126.97	-3,528.23	3,833.40	3,787.90	45.50	84.253		
9,200.00	9,187.93	9,238.41	9,226.93	32.96	32.52	-90.54	126.97	-3,528.23	3,833.40	3,787.41	45.99	83.351		
9,300.00	9,287.93	9,338.41	9,326.93	33.31	32.86	-90.54	126.97	-3,528.23	3,833.40	3,786.92	46.48	82.468		
9,400.00	9,387.93	9,438.41	9,426.93	33.66	33.20	-90.54	126.97	-3,528.23	3,833.40	3,786.43	46.98	81.603		
9,500.00	9,487.93	9,538.41	9,526.93	34.01	33.55	-90.54	126.97	-3,528.23	3,833.40	3,785.93	47.47	80.756		
9,600.00	9,587.93	9,638.41	9,626.93	34.36	33.89	-90.54	126.97	-3,528.23	3,833.40	3,785.44	47.96	79.925		
9,700.00	9,687.93	9,738.41	9,726.93	34.72	34.23	-90.54	126.97	-3,528.23	3,833.40	3,784.95	48.46	79.111		
9,800.00	9,787.93	9,838.41	9,826.93	35.07	34.58	-90.54	126.97	-3,528.23	3,833.40	3,784.45	48.95	78.313		
9,900.00	9,887.93	9,938.41	9,926.93	35.42	34.92	-90.54	126.97	-3,528.23	3,833.40	3,783.96	49.44	77.530		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
10,000.00	9,987.93	10,038.41	10,026.93	35.77	35.27	-90.54	126.97	-3,528.23	3,833.40	3,783.46	49.94	76.763		
10,100.00	10,087.93	10,138.41	10,126.93	36.12	35.61	-90.54	126.97	-3,528.23	3,833.40	3,782.97	50.43	76.010		
10,200.00	10,187.93	10,238.41	10,226.93	36.48	35.96	-90.54	126.97	-3,528.23	3,833.40	3,782.47	50.93	75.271		
10,300.00	10,287.93	10,338.41	10,326.93	36.83	36.30	-90.54	126.97	-3,528.23	3,833.40	3,781.98	51.42	74.546		
10,400.00	10,387.93	10,438.41	10,426.93	37.18	36.65	-90.54	126.97	-3,528.23	3,833.40	3,781.48	51.92	73.835		
10,500.00	10,487.93	10,538.41	10,526.93	37.53	36.99	-90.54	126.97	-3,528.23	3,833.40	3,780.99	52.41	73.137		
10,600.00	10,587.93	10,638.41	10,626.93	37.89	37.34	-90.54	126.97	-3,528.23	3,833.40	3,780.49	52.91	72.452		
10,700.00	10,687.93	10,738.41	10,726.93	38.24	37.69	-90.54	126.97	-3,528.23	3,833.40	3,780.00	53.41	71.779		
10,800.00	10,787.93	10,838.41	10,826.93	38.59	38.03	-90.54	126.97	-3,528.23	3,833.40	3,779.50	53.90	71.118		
10,900.00	10,887.93	10,938.41	10,926.93	38.94	38.38	-90.54	126.97	-3,528.23	3,833.40	3,779.00	54.40	70.469		
11,000.00	10,987.93	11,038.41	11,026.93	39.30	38.73	-90.54	126.97	-3,528.23	3,833.40	3,778.51	54.89	69.832		
11,100.00	11,087.93	11,138.41	11,126.93	39.65	39.07	-90.54	126.97	-3,528.23	3,833.40	3,778.01	55.39	69.205		
11,200.00	11,187.93	11,238.41	11,226.93	40.00	39.42	-90.54	126.97	-3,528.23	3,833.40	3,777.51	55.89	68.590		
11,300.00	11,287.93	11,338.41	11,326.93	40.36	39.77	-90.54	126.97	-3,528.23	3,833.40	3,777.02	56.39	67.985		
11,400.00	11,387.93	11,438.41	11,426.93	40.71	40.12	-90.54	126.97	-3,528.23	3,833.40	3,776.52	56.88	67.391		
11,500.00	11,487.93	11,538.41	11,526.93	41.07	40.46	-90.54	126.97	-3,528.23	3,833.40	3,776.02	57.38	66.807		
11,600.00	11,587.93	11,638.41	11,626.93	41.42	40.81	-90.54	126.97	-3,528.23	3,833.40	3,775.52	57.88	66.232		
11,608.44	11,596.37	11,646.84	11,635.37	41.45	40.84	-90.54	126.97	-3,528.23	3,833.40	3,775.48	57.92	66.184		
11,700.00	11,687.93	11,738.13	11,726.61	41.77	41.16	-90.56	125.30	-3,528.22	3,833.40	3,775.03	58.38	65.667		
11,800.00	11,787.93	11,834.88	11,822.01	42.13	41.52	-90.79	109.85	-3,528.08	3,833.46	3,774.58	58.88	65.108		
11,900.00	11,887.93	11,924.16	11,906.58	42.48	41.86	-91.22	81.54	-3,527.84	3,833.76	3,774.38	59.37	64.572		
12,000.00	11,987.93	12,000.00	11,974.25	42.83	42.16	-91.73	47.42	-3,527.54	3,834.64	3,774.81	59.83	64.090		
12,100.00	12,087.93	12,070.91	12,032.94	43.19	42.46	-92.32	7.69	-3,527.19	3,836.49	3,776.21	60.28	63.645		
12,179.11	12,167.04	12,117.11	12,068.34	43.47	42.66	-92.76	-21.97	-3,526.93	3,838.87	3,778.27	60.60	63.348		
12,200.00	12,187.93	12,128.49	12,076.68	43.54	42.71	87.62	-29.70	-3,526.87	3,839.63	3,778.95	60.68	63.278		
12,250.00	12,237.75	12,150.00	12,092.03	43.70	42.80	87.21	-44.77	-3,526.73	3,841.62	3,780.78	60.84	63.146		
12,300.00	12,287.04	12,182.52	12,114.14	43.85	42.95	86.70	-68.62	-3,526.53	3,843.75	3,782.72	61.03	62.980		
12,350.00	12,335.41	12,209.33	12,131.31	44.00	43.07	86.24	-89.20	-3,526.35	3,846.00	3,784.80	61.20	62.845		
12,400.00	12,382.50	12,236.03	12,147.45	44.14	43.19	85.79	-110.47	-3,526.16	3,848.33	3,786.97	61.36	62.718		
12,450.00	12,427.95	12,262.64	12,162.52	44.27	43.31	85.35	-132.39	-3,525.97	3,850.70	3,789.18	61.52	62.597		
12,500.00	12,471.42	12,289.15	12,176.51	44.39	43.44	84.93	-154.91	-3,525.77	3,853.06	3,791.39	61.67	62.481		
12,550.00	12,512.57	12,315.60	12,189.42	44.50	43.56	84.52	-177.99	-3,525.57	3,855.37	3,793.56	61.82	62.369		
12,600.00	12,551.09	12,350.00	12,204.59	44.59	43.73	84.10	-208.86	-3,525.30	3,857.63	3,795.63	61.99	62.227		
12,650.00	12,586.68	12,368.32	12,211.90	44.68	43.82	83.79	-225.66	-3,525.16	3,859.74	3,797.63	62.11	62.148		
12,700.00	12,619.09	12,400.00	12,223.27	44.76	43.98	83.44	-255.22	-3,524.90	3,861.72	3,799.45	62.27	62.015		
12,750.00	12,648.05	12,420.87	12,229.86	44.84	44.08	83.17	-275.01	-3,524.73	3,863.53	3,801.13	62.39	61.921		
12,800.00	12,673.35	12,450.00	12,237.84	44.93	44.23	82.91	-303.03	-3,524.48	3,865.14	3,802.58	62.55	61.789		
12,850.00	12,694.80	12,473.28	12,243.19	45.04	44.35	82.70	-325.69	-3,524.28	3,866.52	3,803.83	62.69	61.674		
12,900.00	12,712.23	12,500.00	12,248.19	45.16	44.48	82.52	-351.93	-3,524.05	3,867.67	3,804.82	62.85	61.538		
12,950.00	12,725.51	12,525.62	12,251.83	45.28	44.62	82.39	-377.28	-3,523.83	3,868.56	3,805.55	63.01	61.398		
13,000.00	12,734.55	12,550.00	12,254.23	45.41	44.74	82.29	-401.54	-3,523.62	3,869.18	3,806.02	63.17	61.254		
13,050.00	12,739.26	12,577.91	12,255.72	45.54	44.89	82.24	-429.40	-3,523.38	3,869.53	3,806.19	63.34	61.089		
13,079.11	12,740.00	12,597.55	12,256.02	45.62	44.99	82.23	-449.05	-3,523.21	3,869.60	3,806.13	63.46	60.976		
13,100.00	12,740.00	12,618.44	12,256.25	45.68	45.10	82.24	-469.94	-3,523.02	3,869.59	3,806.01	63.58	60.864		
13,200.00	12,740.00	12,718.44	12,257.33	45.98	45.67	82.25	-569.92	-3,522.15	3,869.56	3,805.39	64.17	60.299		
13,300.00	12,740.00	12,818.43	12,258.42	46.34	46.28	82.27	-669.91	-3,521.28	3,869.54	3,804.69	64.85	59.672		
13,400.00	12,740.00	12,918.42	12,259.50	46.75	46.95	82.28	-769.89	-3,520.41	3,869.51	3,803.91	65.59	58.991		
13,500.00	12,740.00	13,018.42	12,260.58	47.22	47.66	82.30	-869.87	-3,519.53	3,869.48	3,803.07	66.42	58.261		
13,600.00	12,740.00	13,118.41	12,261.67	47.73	48.42	82.32	-969.86	-3,518.66	3,869.46	3,802.15	67.31	57.489		
13,700.00	12,740.00	13,218.41	12,262.75	48.30	49.22	82.33	-1,069.84	-3,517.79	3,869.43	3,801.16	68.27	56.682		
13,800.00	12,740.00	13,318.40	12,263.83	48.92	50.06	82.35	-1,169.83	-3,516.92	3,869.41	3,800.12	69.29	55.844		
13,900.00	12,740.00	13,418.40	12,264.91	49.58	50.94	82.37	-1,269.81	-3,516.05	3,869.38	3,799.01	70.37	54.983		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
14,000.00	12,740.00	13,518.39	12,266.00	50.29	51.87	82.38	-1,369.80	-3,515.17	3,869.36	3,797.84	71.52	54.104		
14,100.00	12,740.00	13,618.38	12,267.08	51.04	52.82	82.40	-1,469.78	-3,514.30	3,869.33	3,796.62	72.72	53.212		
14,200.00	12,740.00	13,718.38	12,268.16	51.83	53.81	82.41	-1,569.76	-3,513.43	3,869.31	3,795.34	73.97	52.310		
14,300.00	12,740.00	13,818.37	12,269.25	52.66	54.83	82.43	-1,669.75	-3,512.56	3,869.28	3,794.01	75.27	51.404		
14,400.00	12,740.00	13,918.37	12,270.33	53.53	55.88	82.45	-1,769.73	-3,511.68	3,869.26	3,792.64	76.62	50.497		
14,500.00	12,740.00	14,018.36	12,271.41	54.44	56.96	82.46	-1,869.72	-3,510.81	3,869.24	3,791.22	78.02	49.592		
14,600.00	12,740.00	14,118.35	12,272.49	55.38	58.07	82.48	-1,969.70	-3,509.94	3,869.21	3,789.75	79.46	48.693		
14,700.00	12,740.00	14,218.35	12,273.58	56.35	59.20	82.49	-2,069.69	-3,509.07	3,869.19	3,788.25	80.94	47.801		
14,800.00	12,740.00	14,318.34	12,274.66	57.35	60.36	82.51	-2,169.67	-3,508.19	3,869.17	3,786.70	82.47	46.919		
14,900.00	12,740.00	14,418.34	12,275.74	58.39	61.54	82.53	-2,269.66	-3,507.32	3,869.15	3,785.12	84.02	46.049		
15,000.00	12,740.00	14,518.33	12,276.83	59.45	62.74	82.54	-2,369.64	-3,506.45	3,869.12	3,783.51	85.61	45.192		
15,100.00	12,740.00	14,618.32	12,277.91	60.54	63.96	82.56	-2,469.62	-3,505.58	3,869.10	3,781.86	87.24	44.350		
15,200.00	12,740.00	14,718.32	12,278.99	61.65	65.20	82.57	-2,569.61	-3,504.70	3,869.08	3,780.19	88.90	43.524		
15,300.00	12,740.00	14,818.31	12,280.07	62.79	66.46	82.59	-2,669.59	-3,503.83	3,869.06	3,778.48	90.58	42.713		
15,400.00	12,740.00	14,918.31	12,281.16	63.94	67.73	82.61	-2,769.58	-3,502.96	3,869.04	3,776.75	92.30	41.920		
15,500.00	12,740.00	15,018.30	12,282.24	65.12	69.02	82.62	-2,869.56	-3,502.09	3,869.02	3,774.99	94.03	41.145		
15,600.00	12,740.00	15,118.29	12,283.32	66.32	70.32	82.64	-2,969.55	-3,501.21	3,869.00	3,773.20	95.80	40.387		
15,700.00	12,740.00	15,218.29	12,284.41	67.54	71.64	82.66	-3,069.53	-3,500.34	3,868.98	3,771.40	97.59	39.647		
15,800.00	12,740.00	15,318.28	12,285.49	68.78	72.98	82.67	-3,169.52	-3,499.47	3,868.96	3,769.57	99.40	38.925		
15,900.00	12,740.00	15,418.28	12,286.57	70.04	74.32	82.69	-3,269.50	-3,498.60	3,868.94	3,767.72	101.23	38.221		
16,000.00	12,740.00	15,518.27	12,287.65	71.31	75.68	82.70	-3,369.48	-3,497.72	3,868.92	3,765.85	103.08	37.535		
16,100.00	12,740.00	15,618.26	12,288.74	72.59	77.05	82.72	-3,469.47	-3,496.85	3,868.91	3,763.96	104.95	36.866		
16,200.00	12,740.00	15,718.26	12,289.82	73.89	78.43	82.74	-3,569.45	-3,495.98	3,868.89	3,762.06	106.83	36.214		
16,300.00	12,740.00	15,818.25	12,290.90	75.21	79.82	82.75	-3,669.44	-3,495.11	3,868.87	3,760.13	108.74	35.580		
16,400.00	12,740.00	15,918.25	12,291.99	76.53	81.22	82.77	-3,769.42	-3,494.24	3,868.85	3,758.20	110.66	34.962		
16,500.00	12,740.00	16,018.24	12,293.07	77.87	82.63	82.78	-3,869.41	-3,493.36	3,868.84	3,756.24	112.59	34.361		
16,600.00	12,740.00	16,118.24	12,294.15	79.22	84.05	82.80	-3,969.39	-3,492.49	3,868.82	3,754.28	114.54	33.776		
16,700.00	12,740.00	16,218.23	12,295.23	80.59	85.48	82.82	-4,069.37	-3,491.62	3,868.80	3,752.30	116.51	33.207		
16,800.00	12,740.00	16,318.22	12,296.32	81.96	86.91	82.83	-4,169.36	-3,490.75	3,868.79	3,750.30	118.48	32.652		
16,900.00	12,740.00	16,418.22	12,297.40	83.34	88.35	82.85	-4,269.34	-3,489.87	3,868.77	3,748.30	120.47	32.113		
17,000.00	12,740.00	16,518.21	12,298.48	84.74	89.80	82.87	-4,369.33	-3,489.00	3,868.75	3,746.28	122.47	31.588		
17,100.00	12,740.00	16,618.21	12,299.57	86.14	91.26	82.88	-4,469.31	-3,488.13	3,868.74	3,744.25	124.49	31.077		
17,200.00	12,740.00	16,718.20	12,300.65	87.55	92.72	82.90	-4,569.30	-3,487.26	3,868.72	3,742.21	126.51	30.580		
17,300.00	12,740.00	16,818.19	12,301.73	88.97	94.19	82.91	-4,669.28	-3,486.38	3,868.71	3,740.17	128.54	30.096		
17,400.00	12,740.00	16,918.19	12,302.81	90.39	95.67	82.93	-4,769.27	-3,485.51	3,868.70	3,738.11	130.59	29.625		
17,500.00	12,740.00	17,018.18	12,303.90	91.83	97.15	82.95	-4,869.25	-3,484.64	3,868.68	3,736.04	132.64	29.167		
17,600.00	12,740.00	17,118.18	12,304.98	93.27	98.63	82.96	-4,969.23	-3,483.77	3,868.67	3,733.96	134.70	28.720		
17,700.00	12,740.00	17,218.17	12,306.06	94.72	100.12	82.98	-5,069.22	-3,482.89	3,868.65	3,731.88	136.77	28.285		
17,800.00	12,740.00	17,318.16	12,307.15	96.17	101.62	82.99	-5,169.20	-3,482.02	3,868.64	3,729.79	138.85	27.862		
17,900.00	12,740.00	17,418.16	12,308.23	97.64	103.12	83.01	-5,269.19	-3,481.15	3,868.63	3,727.69	140.94	27.449		
18,000.00	12,740.00	17,518.15	12,309.31	99.10	104.63	83.03	-5,369.17	-3,480.28	3,868.62	3,725.58	143.03	27.047		
18,100.00	12,740.00	17,618.15	12,310.39	100.58	106.14	83.04	-5,469.16	-3,479.40	3,868.60	3,723.47	145.13	26.656		
18,200.00	12,740.00	17,718.14	12,311.48	102.05	107.65	83.06	-5,569.14	-3,478.53	3,868.59	3,721.35	147.24	26.274		
18,300.00	12,740.00	17,818.13	12,312.56	103.54	109.17	83.07	-5,669.12	-3,477.66	3,868.58	3,719.23	149.35	25.902		
18,400.00	12,740.00	17,918.13	12,313.64	105.03	110.69	83.09	-5,769.11	-3,476.79	3,868.57	3,717.09	151.48	25.539		
18,500.00	12,740.00	18,018.12	12,314.73	106.52	112.22	83.11	-5,869.09	-3,475.91	3,868.56	3,714.96	153.60	25.186		
18,600.00	12,740.00	18,118.12	12,315.81	108.02	113.74	83.12	-5,969.08	-3,475.04	3,868.55	3,712.81	155.73	24.841		
18,700.00	12,740.00	18,218.11	12,316.89	109.52	115.28	83.14	-6,069.06	-3,474.17	3,868.54	3,710.66	157.87	24.504		
18,800.00	12,740.00	18,318.10	12,317.97	111.03	116.81	83.16	-6,169.05	-3,473.30	3,868.53	3,708.51	160.02	24.176		
18,900.00	12,740.00	18,418.10	12,319.06	112.54	118.35	83.17	-6,269.03	-3,472.43	3,868.52	3,706.35	162.16	23.856		
19,000.00	12,740.00	18,518.09	12,320.14	114.05	119.89	83.19	-6,369.02	-3,471.55	3,868.51	3,704.19	164.32	23.543		
19,100.00	12,740.00	18,618.09	12,321.22	115.57	121.44	83.20	-6,469.00	-3,470.68	3,868.50	3,702.02	166.48	23.238		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
19,200.00	12,740.00	18,718.08	12,322.31	117.09	122.98	83.22	-6,568.98	-3,469.81	3,868.49	3,699.85	168.64	22.940			
19,300.00	12,740.00	18,818.07	12,323.39	118.62	124.53	83.24	-6,668.97	-3,468.94	3,868.48	3,697.68	170.81	22.648			
19,400.00	12,740.00	18,918.07	12,324.47	120.15	126.09	83.25	-6,768.95	-3,468.06	3,868.47	3,695.50	172.98	22.364			
19,500.00	12,740.00	19,018.06	12,325.56	121.68	127.64	83.27	-6,868.94	-3,467.19	3,868.46	3,693.31	175.15	22.086			
19,600.00	12,740.00	19,118.06	12,326.64	123.21	129.20	83.28	-6,968.92	-3,466.32	3,868.46	3,691.13	177.33	21.815			
19,700.00	12,740.00	19,218.05	12,327.72	124.75	130.76	83.30	-7,068.91	-3,465.45	3,868.45	3,688.93	179.51	21.549			
19,800.00	12,740.00	19,318.05	12,328.80	126.29	132.32	83.32	-7,168.89	-3,464.57	3,868.44	3,686.74	181.70	21.290			
19,900.00	12,740.00	19,418.04	12,329.89	127.84	133.89	83.33	-7,268.88	-3,463.70	3,868.44	3,684.54	183.89	21.036			
20,000.00	12,740.00	19,518.03	12,330.97	129.38	135.45	83.35	-7,368.86	-3,462.83	3,868.43	3,682.34	186.09	20.788			
20,100.00	12,740.00	19,618.03	12,332.05	130.93	137.02	83.37	-7,468.84	-3,461.96	3,868.42	3,680.14	188.28	20.546			
20,200.00	12,740.00	19,718.02	12,333.14	132.48	138.59	83.38	-7,568.83	-3,461.08	3,868.42	3,677.93	190.48	20.308			
20,300.00	12,740.00	19,818.02	12,334.22	134.04	140.16	83.40	-7,668.81	-3,460.21	3,868.41	3,675.73	192.69	20.076			
20,400.00	12,740.00	19,918.01	12,335.30	135.59	141.74	83.41	-7,768.80	-3,459.34	3,868.41	3,673.51	194.89	19.849			
20,500.00	12,740.00	20,018.00	12,336.38	137.15	143.31	83.43	-7,868.78	-3,458.47	3,868.40	3,671.30	197.10	19.626			
20,600.00	12,740.00	20,118.00	12,337.47	138.71	144.89	83.45	-7,968.77	-3,457.59	3,868.40	3,669.08	199.32	19.408			
20,700.00	12,740.00	20,217.99	12,338.55	140.27	146.47	83.46	-8,068.75	-3,456.72	3,868.39	3,666.86	201.53	19.195			
20,800.00	12,740.00	20,317.99	12,339.63	141.84	148.05	83.48	-8,168.73	-3,455.85	3,868.39	3,664.64	203.75	18.986			
20,900.00	12,740.00	20,417.98	12,340.72	143.41	149.63	83.49	-8,268.72	-3,454.98	3,868.39	3,662.42	205.97	18.782			
21,000.00	12,740.00	20,517.97	12,341.80	144.97	151.21	83.51	-8,368.70	-3,454.10	3,868.38	3,660.19	208.19	18.581			
21,100.00	12,740.00	20,617.97	12,342.88	146.54	152.80	83.53	-8,468.69	-3,453.23	3,868.38	3,657.96	210.41	18.385			
21,200.00	12,740.00	20,717.96	12,343.96	148.12	154.39	83.54	-8,568.67	-3,452.36	3,868.38	3,655.74	212.64	18.192			
21,300.00	12,740.00	20,817.96	12,345.05	149.69	155.97	83.56	-8,668.66	-3,451.49	3,868.37	3,653.50	214.87	18.003			
21,400.00	12,740.00	20,917.95	12,346.13	151.26	157.56	83.58	-8,768.64	-3,450.62	3,868.37	3,651.27	217.10	17.818			
21,500.00	12,740.00	21,017.94	12,347.21	152.84	159.15	83.59	-8,868.63	-3,449.74	3,868.37	3,649.03	219.34	17.637			
21,600.00	12,740.00	21,117.94	12,348.30	154.42	160.74	83.61	-8,968.61	-3,448.87	3,868.37	3,646.80	221.57	17.459			
21,700.00	12,740.00	21,217.93	12,349.38	156.00	162.34	83.62	-9,068.59	-3,448.00	3,868.37	3,644.56	223.81	17.284			
21,800.00	12,740.00	21,317.93	12,350.46	157.58	163.93	83.64	-9,168.58	-3,447.13	3,868.37	3,642.32	226.05	17.113			
21,900.00	12,740.00	21,417.92	12,351.54	159.16	165.53	83.66	-9,268.56	-3,446.25	3,868.37	3,640.07	228.29	16.945			
22,000.00	12,740.00	21,517.91	12,352.63	160.75	167.12	83.67	-9,368.55	-3,445.38	3,868.37	3,637.83	230.54	16.780			
22,030.24	12,740.00	21,548.16	12,352.95	161.23	167.60	83.68	-9,398.79	-3,445.12	3,868.37	3,637.15	231.21	16.731			
22,100.00	12,740.00	21,617.91	12,353.71	162.33	168.72	83.69	-9,468.53	-3,444.51	3,868.37	3,635.59	232.78	16.618			
22,200.00	12,740.00	21,717.90	12,354.79	163.92	170.32	83.70	-9,568.52	-3,443.64	3,868.37	3,633.34	235.03	16.459			
22,300.00	12,740.00	21,817.90	12,355.88	165.51	171.92	83.72	-9,668.50	-3,442.76	3,868.37	3,631.09	237.28	16.303			
22,400.00	12,740.00	21,917.89	12,356.96	167.10	173.52	83.74	-9,768.49	-3,441.89	3,868.37	3,628.84	239.53	16.150			
22,500.00	12,740.00	22,017.88	12,358.04	168.69	175.12	83.75	-9,868.47	-3,441.02	3,868.37	3,626.59	241.78	16.000			
22,600.00	12,740.00	22,117.88	12,359.12	170.28	176.72	83.77	-9,968.45	-3,440.15	3,868.37	3,624.34	244.03	15.852			
22,700.00	12,740.00	22,217.87	12,360.21	171.87	178.32	83.78	-10,068.44	-3,439.27	3,868.37	3,622.09	246.29	15.707			
22,800.00	12,740.00	22,317.87	12,361.29	173.47	179.93	83.80	-10,168.42	-3,438.40	3,868.38	3,619.83	248.54	15.564			
22,804.99	12,740.00	22,322.86	12,361.34	173.55	180.01	83.80	-10,173.41	-3,438.36	3,868.38	3,619.72	248.65	15.557			
22,874.14	12,740.00	22,390.61	12,362.08	174.65	181.09	83.81	-10,241.16	-3,437.77	3,868.38	3,618.18	250.20	15.461 ES, SF			

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 190-MWD, 1393-OWSG (Rev2) MWD, 21860-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	0.50	0.50	0.00	0.00	50.27	465.08	559.55	727.59					
100.00	100.00	100.50	100.50	0.13	0.15	50.27	465.08	559.55	727.59	727.39	0.20	3,696.097		
200.00	200.00	201.30	201.30	0.48	0.33	50.27	465.07	559.54	727.58	727.00	0.58	1,246.921		
300.00	300.00	308.03	308.03	0.84	0.70	50.27	464.62	559.06	726.97	725.87	1.09	664.896		
400.00	400.00	411.96	411.94	1.20	1.06	50.26	463.89	557.88	725.64	724.04	1.60	452.741		
500.00	500.00	516.60	516.56	1.56	1.43	50.21	463.12	555.99	723.79	721.67	2.12	341.718		
600.00	600.00	626.50	626.43	1.92	1.83	50.16	461.63	553.22	720.99	718.34	2.65	272.298		
700.00	700.00	728.62	728.47	2.28	2.20	50.13	459.34	549.93	717.08	713.92	3.16	227.018		
800.00	800.00	828.11	827.88	2.63	2.56	50.11	457.07	546.82	713.21	709.55	3.66	194.682		
900.00	900.00	925.19	924.89	2.99	2.91	50.14	454.46	544.23	709.44	705.28	4.16	170.449		
1,000.00	1,000.00	1,028.35	1,027.99	3.35	3.28	50.15	452.15	541.65	706.10	701.43	4.68	151.002		
1,100.00	1,100.00	1,128.43	1,127.99	3.71	3.65	50.09	450.08	538.10	702.05	696.87	5.18	135.447		
1,200.00	1,200.00	1,227.01	1,226.50	4.07	4.00	50.03	448.32	534.84	698.37	692.68	5.69	122.804		
1,300.00	1,300.00	1,328.23	1,327.64	4.43	4.37	49.94	446.63	531.16	694.51	688.32	6.20	112.075		
1,400.00	1,400.00	1,425.18	1,424.51	4.79	4.53	49.84	445.28	527.69	690.87	684.31	6.56	105.280		
1,500.00	1,500.00	1,524.64	1,523.90	5.14	4.57	49.73	444.09	524.14	687.37	680.52	6.85	100.373		
1,600.00	1,600.00	1,624.07	1,623.27	5.50	4.63	49.61	442.99	520.77	684.07	676.92	7.16	95.564		
1,700.00	1,700.00	1,722.22	1,721.36	5.86	4.72	49.50	441.89	517.47	680.79	673.30	7.49	90.904		
1,800.00	1,800.00	1,819.91	1,819.00	6.22	4.83	49.40	440.99	514.56	677.93	670.09	7.84	86.492		
1,900.00	1,900.00	1,919.16	1,918.21	6.58	4.97	49.32	439.99	511.94	675.27	667.07	8.20	82.313		
2,000.00	2,000.00	2,018.36	2,017.37	6.94	5.13	49.34	438.21	510.11	672.70	664.12	8.58	78.379		
2,100.00	2,100.00	2,116.80	2,115.79	7.29	5.30	49.41	436.04	508.85	670.30	661.33	8.97	74.704		
2,200.00	2,200.00	2,209.53	2,208.49	7.65	5.48	49.48	434.33	508.15	668.52	659.16	9.37	71.370		
2,300.00	2,299.99	2,304.84	2,303.80	8.01	5.67	-12.37	433.28	508.02	666.42	656.66	9.77	68.228		
2,400.00	2,399.91	2,402.31	2,401.26	8.36	5.88	-12.40	432.64	508.19	662.29	652.12	10.17	65.097		
2,471.49	2,471.26	2,470.84	2,469.79	8.61	6.03	-12.45	432.31	508.54	658.04	647.57	10.47	62.874		
2,500.00	2,499.70	2,498.12	2,497.08	8.71	6.09	-12.47	432.23	508.74	656.17	645.59	10.58	62.005		
2,600.00	2,599.45	2,596.00	2,594.95	9.06	6.31	-12.54	432.16	509.74	649.97	638.97	11.00	59.100		
2,700.00	2,699.19	2,708.12	2,707.06	9.42	6.58	-12.57	431.06	510.63	643.01	631.57	11.44	56.186		
2,800.00	2,798.94	2,819.60	2,818.42	9.78	6.87	-12.34	426.16	511.39	633.71	621.81	11.90	53.269		
2,900.00	2,898.69	2,914.57	2,913.19	10.13	7.13	-11.97	420.22	512.84	623.91	611.57	12.33	50.583		
3,000.00	2,998.44	3,009.46	3,007.91	10.49	7.40	-11.58	415.05	515.39	615.51	602.74	12.78	48.175		
3,100.00	3,098.18	3,124.33	3,122.54	10.85	7.73	-11.10	408.02	517.43	606.06	592.81	13.25	45.748		
3,200.00	3,197.93	3,250.91	3,248.66	11.22	8.12	-10.54	397.43	516.14	593.10	579.38	13.72	43.226		
3,300.00	3,297.68	3,351.00	3,348.23	11.58	8.44	-10.14	387.85	512.64	577.46	563.28	14.18	40.715		
3,400.00	3,397.43	3,438.37	3,435.23	11.94	8.72	-9.83	380.41	509.95	562.83	548.18	14.65	38.427		
3,500.00	3,497.17	3,530.21	3,526.83	12.30	9.02	-9.53	373.94	508.07	549.92	534.81	15.11	36.389		
3,600.00	3,596.92	3,637.91	3,634.28	12.67	9.37	-9.33	367.55	504.89	536.99	521.41	15.58	34.456		
3,700.00	3,696.67	3,728.00	3,724.18	13.03	9.66	-9.38	363.51	500.58	523.54	507.48	16.05	32.614		
3,800.00	3,796.42	3,823.00	3,819.07	13.40	9.96	-9.56	361.21	496.69	511.82	495.30	16.52	30.981		
3,900.00	3,896.16	3,912.61	3,908.64	13.76	10.25	-9.68	359.66	494.74	502.00	485.01	16.99	29.553		
4,000.00	3,995.91	4,025.57	4,021.47	14.13	10.62	-9.46	354.53	493.38	491.27	473.80	17.47	28.114		
4,100.00	4,095.66	4,129.00	4,124.57	14.50	10.98	-8.94	346.46	491.93	478.43	460.47	17.96	26.643		
4,200.00	4,195.41	4,220.89	4,216.22	14.86	11.29	-8.47	339.81	491.07	466.34	447.90	18.44	25.289		
4,300.00	4,295.15	4,318.37	4,313.55	15.23	11.62	-8.15	334.71	490.11	455.42	436.49	18.92	24.065		
4,400.00	4,394.90	4,425.09	4,420.13	15.60	11.98	-7.98	329.78	487.44	443.66	424.26	19.41	22.859		
4,500.00	4,494.65	4,525.78	4,520.62	15.97	12.33	-7.93	325.04	483.29	430.55	410.66	19.89	21.645		
4,600.00	4,594.40	4,619.10	4,613.80	16.34	12.65	-7.96	321.63	479.70	418.28	397.90	20.38	20.525		
4,700.00	4,694.15	4,713.40	4,708.03	16.70	12.97	-7.93	318.61	477.47	407.46	386.59	20.87	19.528		
4,800.00	4,793.89	4,809.87	4,804.44	17.07	13.30	-7.85	315.73	476.10	397.53	376.18	21.35	18.617		
4,900.00	4,893.64	4,907.50	4,902.05	17.44	13.63	-7.82	313.51	475.04	388.28	366.44	21.84	17.778		
5,000.00	4,993.39	5,006.39	5,000.91	17.81	13.96	-7.82	311.64	474.05	379.34	357.01	22.33	16.988		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 190-MWD, 1393-OWSG (Rev2) MWD, 21860-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,110.42	5,104.91	18.18	14.32	-7.78	309.30	472.94	370.13	347.31	22.82	16.218		
5,200.00	5,192.88	5,228.16	5,222.45	18.55	14.73	-7.58	303.65	469.24	357.81	334.52	23.28	15.367		
5,300.00	5,292.63	5,329.84	5,323.70	18.92	15.10	-7.24	296.12	463.82	342.16	318.40	23.77	14.397		
5,400.00	5,392.38	5,427.89	5,421.31	19.29	15.46	-6.83	288.52	458.59	326.34	302.08	24.26	13.450		
5,500.00	5,492.13	5,525.80	5,518.79	19.66	15.82	-6.30	280.76	453.81	310.80	286.04	24.76	12.552		
5,600.00	5,591.87	5,625.80	5,618.33	20.03	16.19	-5.64	272.43	448.95	295.08	269.83	25.25	11.685		
5,700.00	5,691.62	5,722.09	5,714.20	20.40	16.54	-4.94	264.57	444.53	279.72	253.96	25.76	10.858		
5,800.00	5,791.37	5,820.09	5,811.83	20.77	16.91	-4.13	256.92	440.65	265.14	238.87	26.27	10.094		
5,900.00	5,891.12	5,922.58	5,913.82	21.14	17.29	-3.05	248.02	436.25	249.87	223.12	26.75	9.342		
6,000.00	5,990.86	6,022.85	6,013.47	21.52	17.67	-1.66	238.03	431.25	233.46	206.22	27.24	8.571		
6,100.00	6,090.61	6,121.02	6,111.02	21.89	18.04	-0.06	228.12	426.39	217.17	189.42	27.75	7.826		
6,200.00	6,190.36	6,219.97	6,209.32	22.26	18.42	1.86	217.93	421.42	200.91	172.65	28.26	7.110		
6,300.00	6,290.11	6,317.21	6,305.90	22.63	18.79	4.14	207.70	416.65	184.94	156.15	28.79	6.423		
6,400.00	6,389.85	6,413.97	6,402.16	23.00	19.16	6.55	198.69	412.62	170.43	141.09	29.34	5.809		
6,500.00	6,489.60	6,511.22	6,499.03	23.37	19.52	8.90	191.15	408.79	157.01	127.14	29.88	5.255		
6,600.00	6,589.35	6,608.78	6,596.39	23.74	19.87	10.88	185.82	405.41	145.03	114.62	30.41	4.769		
6,700.00	6,689.10	6,707.28	6,694.74	24.12	20.23	13.05	181.05	402.56	133.96	103.02	30.94	4.330		
6,800.00	6,788.84	6,806.24	6,793.54	24.49	20.59	15.72	176.09	400.12	123.50	92.03	31.47	3.924		
6,900.00	6,888.59	6,904.79	6,891.94	24.86	20.94	18.92	171.10	398.04	113.69	81.67	32.01	3.551		
7,000.00	6,988.34	7,004.10	6,991.12	25.23	21.30	22.62	166.33	396.46	104.84	72.28	32.56	3.220		
7,069.58	7,057.74	7,073.55	7,060.50	25.49	21.55	25.30	163.47	395.12	98.78	65.85	32.93	2.999		
7,100.00	7,088.09	7,103.94	7,090.86	25.60	21.66	26.49	162.30	394.47	96.24	63.14	33.10	2.908		
7,200.00	7,187.97	7,202.94	7,189.79	25.97	22.01	29.83	159.14	392.48	89.82	56.18	33.64	2.670		
7,300.00	7,287.93	7,301.75	7,288.58	26.33	22.35	31.90	157.18	391.56	86.95	52.77	34.17	2.544		
7,337.34	7,325.27	7,338.88	7,325.70	26.46	22.48	32.36	156.59	391.52	86.76	52.39	34.36	2.525 CC		
7,341.07	7,329.00	7,342.60	7,329.42	26.47	22.49	94.27	156.53	391.52	86.76	52.38	34.38	2.523		
7,400.00	7,387.93	7,401.33	7,388.14	26.67	22.69	94.87	155.62	391.57	86.89	52.21	34.68	2.506 ES		
7,500.00	7,487.93	7,501.04	7,487.84	27.02	23.04	95.84	154.10	391.94	87.40	52.22	35.18	2.484		
7,600.00	7,587.93	7,601.07	7,587.86	27.37	23.38	96.77	152.61	392.44	88.05	52.38	35.68	2.468		
7,700.00	7,687.93	7,700.70	7,687.47	27.72	23.71	97.68	151.11	393.13	88.93	52.76	36.17	2.458		
7,800.00	7,787.93	7,800.45	7,787.21	28.06	24.05	98.39	149.86	394.16	90.13	53.46	36.67	2.458		
7,900.00	7,887.93	7,900.05	7,886.79	28.41	24.38	98.85	148.89	395.64	91.75	54.60	37.15	2.470		
8,000.00	7,987.93	8,000.00	7,986.73	28.76	24.70	99.08	148.25	397.33	93.51	55.88	37.63	2.485		
8,100.00	8,087.93	8,099.75	8,086.46	29.11	25.02	99.08	147.93	399.29	95.51	57.40	38.11	2.506		
8,200.00	8,187.93	8,199.69	8,186.37	29.46	25.34	98.77	148.12	401.40	97.56	58.98	38.58	2.529		
8,300.00	8,287.93	8,299.79	8,286.44	29.81	25.65	98.07	149.00	403.72	99.73	60.68	39.05	2.554		
8,400.00	8,387.93	8,399.95	8,386.57	30.16	25.97	97.19	150.29	405.71	101.53	62.01	39.51	2.569		
8,500.00	8,487.93	8,499.55	8,486.14	30.51	26.28	96.12	151.97	407.92	103.54	63.56	39.97	2.590		
8,600.00	8,587.93	8,599.52	8,586.06	30.86	26.59	94.98	153.80	410.43	105.85	65.42	40.44	2.618		
8,700.00	8,687.93	8,700.98	8,687.49	31.21	26.91	93.92	155.64	412.36	107.61	66.71	40.90	2.631		
8,800.00	8,787.93	8,801.71	8,788.21	31.56	27.22	93.41	156.57	412.79	107.98	66.61	41.37	2.610		
8,900.00	8,887.93	8,901.97	8,888.46	31.91	27.54	92.95	157.43	412.94	108.08	66.24	41.84	2.583		
9,000.00	8,987.93	9,002.43	8,988.91	32.26	27.86	92.13	158.99	412.78	107.86	65.55	42.31	2.549		
9,100.00	9,087.93	9,102.11	9,088.57	32.61	28.18	91.08	160.97	412.53	107.55	64.77	42.78	2.514		
9,124.93	9,112.86	9,126.91	9,113.36	32.70	28.26	90.83	161.44	412.52	107.53	64.63	42.90	2.507		
9,200.00	9,187.93	9,201.59	9,188.03	32.96	28.49	90.12	162.77	412.67	107.67	64.42	43.25	2.490		
9,300.00	9,287.93	9,301.15	9,287.57	33.31	28.81	88.99	164.91	413.25	108.27	64.56	43.72	2.477		
9,400.00	9,387.93	9,401.29	9,387.67	33.66	29.13	87.67	167.43	413.94	109.03	64.85	44.18	2.468		
9,500.00	9,487.93	9,501.50	9,487.86	34.01	29.45	86.45	169.79	414.39	109.60	64.95	44.65	2.455		
9,600.00	9,587.93	9,601.11	9,587.43	34.36	29.77	85.20	172.24	414.90	110.29	65.17	45.12	2.444 SF		
9,700.00	9,687.93	9,700.19	9,686.48	34.72	30.09	84.02	174.61	415.92	111.54	65.95	45.59	2.447		
9,800.00	9,787.93	9,798.64	9,784.88	35.07	30.41	83.12	176.65	418.09	113.97	67.92	46.05	2.475		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 190-MWD, 1393-OWSG (Rev2) MWD, 21860-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,900.00	9,887.93	9,898.05	9,884.22	35.42	30.73	82.54	178.26	421.54	117.62	71.09	46.53	2.528		
10,000.00	9,987.93	9,998.61	9,984.72	35.77	31.07	82.90	177.91	424.80	120.78	73.75	47.03	2.568		
10,100.00	10,087.93	10,099.22	10,085.27	36.12	31.41	83.91	176.13	428.05	123.78	76.25	47.53	2.604		
10,200.00	10,187.93	10,200.04	10,186.01	36.48	31.76	85.39	173.12	430.47	125.90	77.85	48.04	2.620		
10,300.00	10,287.93	10,299.24	10,285.14	36.83	32.10	86.88	169.97	432.76	127.99	79.44	48.55	2.636		
10,400.00	10,387.93	10,400.48	10,386.32	37.18	32.45	87.83	167.94	435.32	130.43	81.38	49.06	2.659		
10,500.00	10,487.93	10,500.61	10,486.43	37.53	32.80	88.20	167.14	436.68	131.76	82.21	49.55	2.659		
10,600.00	10,587.93	10,603.06	10,588.87	37.89	33.15	88.53	166.39	437.57	132.61	82.56	50.05	2.650		
10,700.00	10,687.93	10,702.93	10,688.74	38.24	33.50	88.98	165.35	437.14	132.17	81.61	50.55	2.614		
10,779.79	10,767.73	10,782.42	10,768.23	38.52	33.78	89.32	164.58	437.07	132.08	81.12	50.95	2.592		
10,800.00	10,787.93	10,802.55	10,788.36	38.59	33.85	89.39	164.40	437.07	132.08	81.03	51.05	2.587		
10,900.00	10,887.93	10,901.76	10,887.57	38.94	34.20	89.71	163.67	437.43	132.43	80.88	51.55	2.569		
11,000.00	10,987.93	11,000.95	10,986.75	39.30	34.54	90.16	162.62	438.40	133.41	81.36	52.05	2.563		
11,100.00	11,087.93	11,101.03	11,086.81	39.65	34.89	90.68	161.40	439.64	134.66	82.11	52.55	2.562		
11,200.00	11,187.93	11,201.50	11,187.09	40.00	35.25	93.01	155.87	440.64	135.83	82.76	53.07	2.559		
11,300.00	11,287.93	11,299.46	11,282.79	40.36	35.63	101.46	135.70	439.62	137.47	83.84	53.63	2.563		
11,400.00	11,387.93	11,387.47	11,364.99	40.71	36.01	113.80	104.43	437.79	147.02	93.27	53.74	2.736		
11,500.00	11,487.93	11,466.00	11,433.53	41.07	36.36	126.43	66.31	435.99	171.82	119.09	52.72	3.259		
11,600.00	11,587.93	11,525.12	11,480.93	41.42	36.63	135.41	31.05	435.09	214.22	164.01	50.21	4.267		
11,700.00	11,687.93	11,579.93	11,521.43	41.77	36.90	142.51	-5.85	434.51	270.51	222.40	48.10	5.623		
11,800.00	11,787.93	11,627.07	11,553.38	42.13	37.14	147.65	-40.50	433.89	336.57	290.18	46.38	7.256		
11,900.00	11,887.93	11,669.50	11,579.88	42.48	37.36	151.58	-73.62	433.06	409.38	364.26	45.13	9.072		
12,000.00	11,987.93	11,710.68	11,603.92	42.83	37.58	154.81	-107.04	432.01	486.73	442.41	44.32	10.982		
12,100.00	12,087.93	11,750.00	11,625.91	43.19	37.79	157.42	-139.60	430.83	566.86	523.07	43.79	12.946		
12,179.11	12,167.04	11,775.24	11,639.37	43.47	37.94	158.90	-160.93	429.98	632.07	588.72	43.35	14.582		
12,200.00	12,187.93	11,780.80	11,642.22	43.54	37.97	-19.18	-165.70	429.78	649.39	606.17	43.21	15.028		
12,250.00	12,237.75	11,797.00	11,650.29	43.70	38.06	-16.43	-179.74	429.18	689.64	646.70	42.94	16.060		
12,300.00	12,287.04	11,797.00	11,650.29	43.85	38.06	-14.79	-179.74	429.18	728.29	686.08	42.21	17.255		
12,350.00	12,335.41	11,821.00	11,661.44	44.00	38.20	-12.89	-200.96	428.27	764.69	722.60	42.09	18.168		
12,400.00	12,382.50	11,844.00	11,671.14	44.14	38.34	-11.43	-221.80	427.42	799.44	757.54	41.91	19.077		
12,450.00	12,427.95	11,844.00	11,671.14	44.27	38.34	-10.62	-221.80	427.42	831.87	790.68	41.20	20.193		
12,500.00	12,471.42	11,864.30	11,678.92	44.39	38.46	-9.68	-240.54	426.70	862.16	821.23	40.93	21.064		
12,550.00	12,512.57	11,891.00	11,688.05	44.50	38.62	-8.86	-265.61	425.85	890.37	849.60	40.77	21.838		
12,600.00	12,551.09	11,891.00	11,688.05	44.59	38.62	-8.42	-265.61	425.85	915.87	875.73	40.14	22.815		
12,650.00	12,586.68	11,915.90	11,695.57	44.68	38.77	-7.86	-289.33	425.02	938.92	898.97	39.95	23.503		
12,700.00	12,619.09	11,938.00	11,701.52	44.76	38.91	-7.41	-310.60	424.12	959.36	919.65	39.71	24.158		
12,750.00	12,648.05	11,951.46	11,704.75	44.84	38.99	-7.08	-323.65	423.51	977.15	937.78	39.37	24.818		
12,800.00	12,673.35	11,967.00	11,708.02	44.93	39.09	-6.80	-338.82	422.77	992.39	953.30	39.10	25.383		
12,850.00	12,694.80	11,985.30	11,711.30	45.04	39.20	-6.55	-356.80	421.84	1,004.98	966.10	38.88	25.849		
12,900.00	12,712.23	12,003.63	11,714.03	45.16	39.32	-6.34	-374.90	420.87	1,014.82	976.13	38.70	26.226		
12,950.00	12,725.51	12,022.00	11,716.20	45.28	39.44	-6.18	-393.11	419.85	1,021.90	983.35	38.55	26.509		
13,000.00	12,734.55	12,067.67	11,720.79	45.41	39.73	-5.96	-438.48	417.32	1,025.57	986.97	38.59	26.574		
13,050.00	12,739.26	12,119.87	11,726.03	45.54	40.09	-5.77	-490.34	414.40	1,024.91	986.24	38.68	26.500		
13,079.11	12,740.00	12,150.17	11,729.13	45.62	40.30	-5.70	-520.43	412.66	1,022.49	983.76	38.72	26.405		
13,100.00	12,740.00	12,171.11	11,731.28	45.68	40.45	-5.63	-541.22	411.50	1,020.21	981.45	38.76	26.323		
13,200.00	12,740.00	12,274.53	11,742.17	45.98	41.22	-5.37	-643.96	406.92	1,009.20	970.25	38.96	25.907		
13,300.00	12,740.00	12,380.78	11,754.28	46.34	42.08	-5.17	-749.46	403.28	997.43	958.22	39.21	25.438		
13,400.00	12,740.00	12,473.77	11,765.21	46.75	42.86	-5.12	-841.79	402.43	985.57	946.15	39.42	25.001		
13,500.00	12,740.00	12,554.06	11,773.71	47.22	43.57	-5.16	-921.63	403.03	975.04	935.45	39.59	24.629		
13,600.00	12,740.00	12,622.00	11,779.30	47.73	44.19	-5.24	-989.32	404.53	967.05	927.30	39.75	24.327		
13,700.00	12,740.00	12,693.37	11,783.01	48.30	44.85	-5.34	-1,060.56	406.70	962.16	922.15	40.01	24.051		
13,800.00	12,740.00	12,784.81	11,785.27	48.92	45.73	-5.47	-1,151.93	409.53	959.85	919.49	40.37	23.778		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 190-MWD, 1393-OWSG (Rev2) MWD, 21860-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,900.00	12,740.00	12,882.60	11,787.63	49.58	46.70	-5.56	-1,249.65	411.85	957.58	916.81	40.77	23.488		
14,000.00	12,740.00	12,974.86	11,789.24	50.29	47.65	-5.59	-1,341.90	413.03	955.88	914.70	41.18	23.214		
14,088.29	12,740.00	13,051.11	11,789.81	50.95	48.46	-5.61	-1,418.14	414.12	955.26	913.71	41.56	22.988		
14,100.00	12,740.00	13,060.98	11,789.81	51.04	48.56	-5.62	-1,428.00	414.30	955.27	913.67	41.61	22.960		
14,200.00	12,740.00	13,178.80	11,790.10	51.83	49.85	-5.67	-1,545.80	416.31	955.20	913.09	42.11	22.682		
14,300.00	12,740.00	13,276.81	11,791.82	52.66	50.95	-5.70	-1,643.78	417.66	953.49	910.88	42.61	22.377		
14,400.00	12,740.00	13,412.58	11,796.92	53.53	52.53	-5.81	-1,779.42	420.30	949.75	906.51	43.24	21.965		
14,500.00	12,740.00	13,517.77	11,802.89	54.44	53.79	-5.90	-1,884.42	422.21	944.18	900.36	43.82	21.548		
14,600.00	12,740.00	13,621.27	11,809.26	55.38	55.05	-6.03	-1,987.70	424.80	938.22	893.80	44.42	21.122		
14,700.00	12,740.00	13,732.21	11,816.95	56.35	56.43	-6.25	-2,098.31	428.54	931.59	886.50	45.09	20.661		
14,800.00	12,740.00	13,840.28	11,825.86	57.35	57.81	-6.50	-2,205.93	432.80	923.71	877.93	45.78	20.178		
14,900.00	12,740.00	13,925.20	11,832.70	58.39	58.90	-6.77	-2,290.46	437.07	916.18	869.77	46.41	19.740		
15,000.00	12,740.00	13,994.93	11,836.65	59.45	59.81	-7.02	-2,359.94	441.32	911.18	864.14	47.04	19.372		
15,100.00	12,740.00	14,071.75	11,838.65	60.54	60.82	-7.26	-2,436.61	445.70	909.16	861.44	47.72	19.051		
15,200.00	12,740.00	14,165.53	11,839.26	61.65	62.05	-7.39	-2,530.33	448.65	908.79	860.36	48.43	18.764		
15,300.00	12,740.00	14,291.77	11,841.35	62.79	63.74	-7.39	-2,656.54	449.60	907.08	857.91	49.17	18.447		
15,400.00	12,740.00	14,433.93	11,847.92	63.94	65.67	-7.31	-2,798.54	448.93	902.53	852.57	49.97	18.062		
15,500.00	12,740.00	14,558.22	11,859.86	65.12	67.39	-7.39	-2,922.24	449.87	892.84	842.04	50.80	17.577		
15,600.00	12,740.00	14,637.23	11,867.24	66.32	68.49	-7.49	-3,000.89	451.21	883.65	832.14	51.51	17.155		
15,700.00	12,740.00	14,747.54	11,876.80	67.54	70.04	-7.63	-3,110.76	453.18	875.19	822.85	52.34	16.722		
15,800.00	12,740.00	14,857.19	11,888.70	68.78	71.60	-7.83	-3,219.74	455.66	864.53	811.33	53.20	16.251		
15,900.00	12,740.00	14,933.85	11,895.80	70.04	72.69	-7.87	-3,296.06	456.12	855.33	801.38	53.95	15.855		
16,000.00	12,740.00	15,011.00	11,900.17	71.31	73.79	-7.80	-3,373.08	455.25	849.30	794.61	54.69	15.530		
16,100.00	12,740.00	15,099.37	11,903.27	72.59	75.05	-7.64	-3,461.37	453.34	845.34	789.90	55.44	15.249		
16,200.00	12,740.00	15,229.59	11,911.34	73.89	76.94	-7.67	-3,591.30	453.93	838.92	782.61	56.31	14.898		
16,300.00	12,740.00	15,310.47	11,916.53	75.21	78.11	-7.73	-3,672.01	454.85	832.60	775.46	57.14	14.572		
16,400.00	12,740.00	15,389.00	11,919.30	76.53	79.26	-7.79	-3,750.48	456.14	829.11	771.13	57.98	14.301		
16,482.07	12,740.00	15,450.14	11,919.92	77.63	80.15	-7.84	-3,811.60	457.46	828.32	769.64	58.68	14.116		
16,500.00	12,740.00	15,464.71	11,919.91	77.87	80.37	-7.85	-3,826.17	457.72	828.36	769.53	58.83	14.080		
16,600.00	12,740.00	15,567.50	11,919.39	79.22	81.87	-7.86	-3,928.95	459.03	828.90	769.20	59.70	13.884		
16,700.00	12,740.00	15,678.13	11,919.76	80.59	83.50	-7.76	-4,039.57	458.52	828.38	767.84	60.54	13.683		
16,800.00	12,740.00	15,789.26	11,922.07	81.96	85.14	-7.44	-4,150.60	454.76	825.65	764.33	61.32	13.464		
16,863.35	12,740.00	15,831.66	11,922.30	82.84	85.77	-7.28	-4,192.95	452.75	824.85	763.03	61.82	13.343		
16,900.00	12,740.00	15,862.00	11,921.79	83.34	86.21	-7.15	-4,223.25	451.20	825.15	763.05	62.10	13.288		
17,000.00	12,740.00	16,046.93	11,933.62	84.74	88.98	-6.96	-4,407.61	448.88	816.60	753.65	62.96	12.971		
17,100.00	12,740.00	16,137.67	11,941.96	86.14	90.35	-7.09	-4,497.95	450.57	807.58	743.69	63.89	12.639		
17,200.00	12,740.00	16,206.82	11,946.72	87.55	91.40	-7.18	-4,566.91	451.89	800.91	736.08	64.83	12.354		
17,300.00	12,740.00	16,271.23	11,948.23	88.97	92.37	-7.10	-4,631.30	451.23	798.39	732.68	65.71	12.151		
17,304.28	12,740.00	16,273.87	11,948.22	89.03	92.41	-7.09	-4,633.93	451.19	798.38	732.64	65.74	12.144		
17,400.00	12,740.00	16,334.00	11,946.61	90.39	93.32	-6.97	-4,694.03	450.21	800.59	734.03	66.55	12.029		
17,500.00	12,740.00	16,467.54	11,942.87	91.83	95.34	-6.80	-4,827.51	449.68	803.29	735.84	67.44	11.910		
17,600.00	12,740.00	16,619.32	11,947.52	93.27	97.66	-6.98	-4,979.14	453.14	800.43	732.00	68.43	11.697		
17,700.00	12,740.00	16,702.39	11,951.96	94.72	98.93	-7.12	-5,062.05	455.43	795.34	725.91	69.43	11.456		
17,800.00	12,740.00	16,798.86	11,955.77	96.17	100.41	-7.25	-5,158.43	457.59	791.57	721.15	70.42	11.241		
17,900.00	12,740.00	16,895.67	11,959.41	97.64	101.90	-7.43	-5,255.11	460.70	788.12	716.68	71.44	11.032		
18,000.00	12,740.00	17,011.07	11,965.18	99.10	103.69	-7.76	-5,370.26	465.58	783.55	711.04	72.51	10.806		
18,100.00	12,740.00	17,095.60	11,969.33	100.58	105.00	-8.13	-5,454.52	470.94	779.40	705.76	73.64	10.583		
18,200.00	12,740.00	17,194.18	11,973.44	102.05	106.53	-8.64	-5,552.74	478.25	776.21	701.37	74.84	10.371		
18,300.00	12,740.00	17,286.06	11,975.76	103.54	107.96	-8.78	-5,644.54	480.74	773.95	698.06	75.89	10.199		
18,400.00	12,740.00	17,413.28	11,981.55	105.03	109.93	-8.97	-5,771.57	483.67	769.50	692.58	76.93	10.003		
18,500.00	12,740.00	17,513.78	11,987.55	106.52	111.50	-9.22	-5,871.83	487.17	764.00	685.96	78.04	9.790		
18,600.00	12,740.00	17,611.66	11,993.42	108.02	113.03	-9.47	-5,969.47	490.54	758.47	679.32	79.16	9.582		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 190-MWD, 1393-OWSG (Rev2) MWD, 21860-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
18,700.00	12,740.00	17,711.99	11,998.41	109.52	114.60	-9.42	-6,069.66	489.96	753.31	673.19	80.12	9.403		
18,800.00	12,740.00	17,812.87	12,004.27	111.03	116.18	-9.59	-6,170.35	492.28	747.79	666.59	81.20	9.209		
18,900.00	12,740.00	17,910.48	12,009.23	112.54	117.71	-9.50	-6,267.82	491.16	742.43	660.28	82.15	9.037		
19,000.00	12,740.00	18,009.10	12,013.48	114.05	119.25	-9.17	-6,366.27	487.23	737.37	654.38	82.98	8.886		
19,100.00	12,740.00	18,112.47	12,017.87	115.57	120.86	-8.74	-6,469.40	481.87	732.20	648.46	83.74	8.743		
19,200.00	12,740.00	18,235.18	12,026.04	117.09	122.78	-8.42	-6,591.76	477.86	724.93	640.43	84.50	8.579		
19,300.00	12,740.00	18,317.04	12,031.62	118.62	124.06	-8.23	-6,673.38	475.35	717.59	632.12	85.48	8.395		
19,400.00	12,740.00	18,410.00	12,037.30	120.15	125.52	-7.85	-6,766.05	470.73	710.79	624.46	86.32	8.234		
19,500.00	12,740.00	18,483.57	12,040.05	121.68	126.67	-7.51	-6,839.46	466.90	706.59	619.36	87.23	8.100		
19,600.00	12,740.00	18,605.23	12,041.99	123.21	128.58	-7.37	-6,961.03	466.12	705.03	616.90	88.13	8.000		
19,700.00	12,740.00	18,707.00	12,047.05	124.75	130.20	-7.80	-7,062.52	471.73	700.70	611.36	89.34	7.843		
19,800.00	12,740.00	18,814.25	12,054.14	126.29	131.91	-8.56	-7,169.12	481.05	695.22	604.51	90.71	7.664		
19,900.00	12,740.00	18,905.53	12,059.58	127.84	133.36	-8.94	-7,260.10	485.79	689.98	598.00	91.98	7.502		
20,000.00	12,740.00	18,994.98	12,063.17	129.38	134.79	-9.32	-7,349.33	490.77	686.68	593.43	93.26	7.363		
20,100.00	12,740.00	19,105.37	12,068.33	130.93	136.54	-9.62	-7,459.52	494.56	682.41	587.99	94.43	7.227		
20,200.00	12,740.00	19,201.20	12,071.48	132.48	138.06	-9.39	-7,555.27	492.29	678.61	583.27	95.34	7.118		
20,300.00	12,740.00	19,299.82	12,075.14	134.04	139.62	-9.21	-7,653.81	490.48	674.49	578.23	96.26	7.007		
20,400.00	12,740.00	19,410.15	12,078.61	135.59	141.38	-9.06	-7,764.07	489.27	671.16	573.99	97.16	6.907		
20,500.00	12,740.00	19,515.37	12,083.33	137.15	143.06	-9.15	-7,869.07	490.23	664.80	566.58	98.21	6.769		
20,600.00	12,740.00	19,589.72	12,088.96	138.71	144.24	-9.32	-7,943.30	492.34	660.39	560.93	99.46	6.640		
20,642.89	12,740.00	19,618.72	12,089.39	139.38	144.71	-9.38	-7,972.27	493.35	659.94	559.97	99.97	6.601		
20,700.00	12,740.00	19,663.87	12,089.04	140.27	145.43	-9.48	-8,017.39	495.02	660.59	559.96	100.63	6.565		
20,800.00	12,740.00	19,756.94	12,086.91	141.84	146.92	-9.60	-8,110.39	497.69	663.14	561.40	101.74	6.518		
20,900.00	12,740.00	19,860.18	12,084.29	143.41	148.57	-9.59	-8,213.59	499.05	665.70	562.91	102.79	6.476		
21,000.00	12,740.00	19,953.74	12,081.70	144.97	150.06	-9.44	-8,307.12	498.57	668.21	564.48	103.73	6.442		
21,100.00	12,740.00	20,046.70	12,077.13	146.54	151.54	-9.20	-8,399.95	497.44	672.65	568.05	104.61	6.430		
21,200.00	12,740.00	20,166.80	12,073.54	148.12	153.46	-9.01	-8,519.99	496.99	675.37	569.78	105.59	6.396		
21,300.00	12,740.00	20,276.92	12,073.01	149.69	155.22	-9.03	-8,630.09	498.42	675.88	569.22	106.65	6.337		
21,350.64	12,740.00	20,326.84	12,073.29	150.49	156.02	-9.14	-8,679.99	500.07	675.78	568.53	107.25	6.301		
21,400.00	12,740.00	20,372.73	12,073.39	151.26	156.76	-9.25	-8,725.84	501.89	675.91	568.06	107.85	6.267		
21,500.00	12,740.00	20,473.31	12,073.23	152.84	158.37	-9.48	-8,826.35	505.65	676.51	567.46	109.06	6.203		
21,600.00	12,740.00	20,579.53	12,073.44	154.42	160.08	-9.59	-8,932.54	508.01	676.52	566.34	110.19	6.140		
21,624.49	12,740.00	20,600.77	12,073.54	154.81	160.42	-9.61	-8,953.77	508.46	676.46	565.99	110.46	6.124		
21,700.00	12,740.00	20,664.65	12,073.15	156.00	161.45	-9.69	-9,017.63	510.04	677.11	565.79	111.32	6.083		
21,800.00	12,740.00	20,749.48	12,070.93	157.58	162.81	-9.77	-9,102.40	512.20	679.94	567.55	112.39	6.050		
21,900.00	12,740.00	20,838.26	12,066.81	159.16	164.24	-9.82	-9,191.05	514.51	684.78	571.33	113.45	6.036		
22,000.00	12,740.00	20,966.68	12,062.13	160.75	166.31	-10.08	-9,319.27	519.76	689.08	574.27	114.81	6.002		
22,100.00	12,740.00	21,069.11	12,061.16	162.33	167.96	-10.19	-9,421.66	522.28	690.27	574.31	115.96	5.952		
22,200.00	12,740.00	21,157.86	12,059.17	163.92	169.39	-10.10	-9,510.38	522.37	692.31	575.36	116.95	5.920		
22,300.00	12,740.00	21,270.78	12,056.45	165.51	171.20	-9.88	-9,623.27	521.31	694.38	576.50	117.88	5.891		
22,400.00	12,740.00	21,384.09	12,056.99	167.10	173.02	-9.79	-9,736.57	521.22	693.65	574.79	118.86	5.836		
22,500.00	12,740.00	21,480.75	12,057.67	168.69	174.58	-9.75	-9,833.22	521.58	692.85	572.94	119.91	5.778		
22,572.57	12,740.00	21,549.29	12,057.91	169.84	175.68	-9.74	-9,901.77	522.05	692.57	571.89	120.68	5.739		
22,600.00	12,740.00	21,573.95	12,057.86	170.28	176.08	-9.74	-9,926.42	522.31	692.63	571.65	120.98	5.725		
22,700.00	12,740.00	21,664.75	12,056.94	171.87	177.55	-9.77	-10,017.20	523.78	693.73	571.65	122.07	5.683		
22,800.00	12,740.00	21,757.93	12,055.11	173.47	179.05	-9.90	-10,110.32	526.54	696.00	572.77	123.23	5.648		
22,874.14	12,740.00	21,829.53	12,053.50	174.65	182.92	-10.12	-10,181.80	530.31	698.19	573.30	124.89	5.591		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 133-MWD, 1394-OWSG (Rev2) MWD, 22230-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	0.94	0.94	0.00	0.00	51.95	465.39	594.55	755.03					
100.00	100.00	105.45	105.44	0.13	0.15	51.90	465.64	593.94	754.73	754.53	0.19	3,901.565		
200.00	200.00	201.80	201.79	0.48	0.43	51.85	465.87	593.15	754.23	753.58	0.65	1,167.268		
300.00	300.00	304.92	304.91	0.84	0.80	51.79	466.30	592.42	753.93	752.78	1.16	650.280		
400.00	400.00	405.23	405.22	1.20	1.16	51.74	466.54	591.70	753.51	751.85	1.67	452.020		
500.00	500.00	508.42	508.40	1.56	1.53	51.65	467.00	590.30	752.73	750.55	2.18	344.980		
600.00	600.00	614.65	614.60	1.92	1.91	51.54	467.33	588.26	751.42	748.72	2.70	277.834		
700.00	700.00	721.52	721.43	2.28	2.29	51.41	467.09	585.22	749.06	745.83	3.23	232.020		
800.00	800.00	823.26	823.10	2.63	2.66	51.24	466.87	581.59	746.13	742.39	3.74	199.510		
900.00	900.00	926.09	925.87	2.99	3.03	51.09	466.47	577.88	743.07	738.82	4.25	174.680		
1,000.00	1,000.00	1,030.78	1,030.46	3.35	3.41	50.89	466.01	573.29	739.39	734.62	4.77	154.911		
1,100.00	1,100.00	1,126.80	1,126.38	3.71	3.76	50.72	465.47	569.03	735.60	730.33	5.27	139.557		
1,200.00	1,200.00	1,225.96	1,225.46	4.07	4.12	50.58	464.61	565.16	732.03	726.25	5.78	126.735		
1,300.00	1,300.00	1,322.51	1,321.95	4.43	4.47	50.46	463.83	561.84	728.86	722.59	6.27	116.157		
1,400.00	1,400.00	1,419.67	1,419.04	4.79	4.65	50.27	463.97	558.22	726.09	719.44	6.65	109.140		
1,500.00	1,500.00	1,514.04	1,513.36	5.14	4.68	50.09	464.32	555.12	723.82	716.88	6.93	104.381		
1,589.41	1,589.41	1,591.00	1,590.31	5.46	4.72	50.03	464.47	554.05	722.98	715.78	7.20	100.410		
1,600.00	1,600.00	1,599.59	1,598.89	5.50	4.72	50.03	464.49	554.05	722.99	715.76	7.23	99.963		
1,700.00	1,700.00	1,682.41	1,681.70	5.86	4.78	50.07	464.87	555.43	724.55	717.01	7.54	96.076		
1,800.00	1,800.00	1,773.41	1,772.63	6.22	4.85	50.21	465.55	558.87	727.92	720.05	7.87	92.505		
1,900.00	1,900.00	1,871.77	1,870.89	6.58	4.96	50.35	466.64	563.13	731.96	723.74	8.22	89.050		
2,000.00	2,000.00	1,974.29	1,973.32	6.94	5.09	50.47	468.10	567.23	735.96	727.36	8.59	85.668		
2,100.00	2,100.00	2,081.79	2,080.72	7.29	5.26	50.72	467.90	571.98	739.26	730.27	8.98	82.306		
2,200.00	2,200.00	2,187.57	2,186.28	7.65	5.44	51.21	464.46	577.83	741.50	732.12	9.38	79.030		
2,300.00	2,299.99	2,287.68	2,286.10	8.01	5.64	-10.12	459.86	583.94	742.13	732.35	9.78	75.856		
2,400.00	2,399.91	2,380.92	2,379.04	8.36	5.83	-9.63	455.76	589.92	740.63	730.45	10.18	72.745		
2,471.49	2,471.26	2,450.55	2,448.47	8.61	5.98	-9.31	453.24	594.67	738.57	728.09	10.48	70.498		
2,500.00	2,499.70	2,479.54	2,477.37	8.71	6.05	-9.18	452.14	596.67	737.47	726.88	10.60	69.593		
2,600.00	2,599.45	2,582.33	2,579.84	9.06	6.30	-8.67	447.93	603.68	733.44	722.41	11.03	66.509		
2,700.00	2,699.19	2,699.83	2,697.01	9.42	6.60	-8.12	442.46	610.26	728.16	716.67	11.49	63.372		
2,800.00	2,798.94	2,809.55	2,806.52	9.78	6.89	-7.65	436.50	613.98	720.66	708.72	11.95	60.332		
2,900.00	2,898.69	2,903.91	2,900.69	10.13	7.15	-7.26	431.48	616.82	712.98	700.60	12.38	57.578		
3,000.00	2,998.44	2,993.90	2,990.55	10.49	7.40	-6.93	427.82	620.05	706.52	693.70	12.82	55.118		
3,100.00	3,098.18	3,089.33	3,085.87	10.85	7.68	-6.64	425.18	623.89	701.18	687.91	13.27	52.854		
3,200.00	3,197.93	3,193.03	3,189.38	11.22	7.98	-6.21	421.10	628.63	695.65	681.92	13.73	50.652		
3,300.00	3,297.68	3,295.01	3,291.04	11.58	8.30	-5.62	415.34	634.13	689.91	675.70	14.20	48.570		
3,400.00	3,397.43	3,411.99	3,407.68	11.94	8.66	-4.93	407.99	639.32	683.14	668.44	14.70	46.472		
3,500.00	3,497.17	3,526.08	3,521.53	12.30	9.01	-4.42	400.78	640.33	673.35	658.17	15.18	44.347		
3,600.00	3,596.92	3,620.30	3,615.60	12.67	9.31	-4.11	395.62	640.00	663.06	647.42	15.65	42.378		
3,700.00	3,696.67	3,711.16	3,706.39	13.03	9.59	-3.87	391.94	640.13	653.95	637.85	16.11	40.601		
3,800.00	3,796.42	3,801.63	3,796.81	13.40	9.87	-3.67	389.34	641.07	646.23	629.66	16.57	39.004		
3,900.00	3,896.16	3,911.89	3,906.93	13.76	10.23	-3.22	384.49	643.52	638.77	621.70	17.06	37.440		
4,000.00	3,995.91	4,025.08	4,019.80	14.13	10.61	-2.54	376.05	644.89	628.85	611.29	17.56	35.819		
4,100.00	4,095.66	4,117.04	4,111.52	14.50	10.91	-2.02	369.55	645.44	618.70	600.66	18.03	34.309		
4,200.00	4,195.41	4,206.93	4,201.29	14.86	11.21	-1.62	365.01	646.46	610.06	591.56	18.51	32.966		
4,300.00	4,295.15	4,310.70	4,304.96	15.23	11.55	-1.22	360.62	647.62	601.85	582.85	19.00	31.684		
4,400.00	4,394.90	4,413.78	4,407.87	15.60	11.90	-0.71	354.86	648.54	592.81	573.32	19.49	30.423		
4,500.00	4,494.65	4,508.50	4,502.42	15.97	12.22	-0.18	349.33	649.82	584.11	564.13	19.97	29.249		
4,600.00	4,594.40	4,605.33	4,599.11	16.34	12.55	0.33	344.49	651.53	576.21	555.75	20.46	28.166		
4,700.00	4,694.15	4,708.86	4,702.49	16.70	12.91	0.91	338.94	653.36	568.20	547.25	20.95	27.116		
4,800.00	4,793.89	4,813.68	4,807.08	17.07	13.27	1.59	332.32	654.59	559.30	537.84	21.45	26.071		
4,900.00	4,893.64	4,914.66	4,907.87	17.44	13.62	2.22	326.00	655.00	549.80	527.86	21.95	25.051		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 133-MWD, 1394-OWSG (Rev2) MWD, 22230-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,000.00	4,993.39	5,013.41	5,006.45	17.81	13.96	2.81	320.22	655.21	540.37	517.93	22.44	24.080		
5,100.00	5,093.14	5,115.53	5,108.42	18.18	14.31	3.39	314.68	655.11	530.90	507.97	22.93	23.149		
5,200.00	5,192.88	5,205.83	5,198.59	18.55	14.63	3.92	309.83	655.19	521.71	498.28	23.42	22.272		
5,300.00	5,292.63	5,300.16	5,292.74	18.92	14.96	4.62	304.50	657.43	514.50	490.58	23.92	21.511		
5,400.00	5,392.38	5,398.90	5,391.24	19.29	15.31	5.45	298.37	660.36	507.71	483.29	24.42	20.792		
5,500.00	5,492.13	5,499.13	5,491.23	19.66	15.67	6.31	292.18	663.34	501.06	476.14	24.92	20.104		
5,600.00	5,591.87	5,590.07	5,581.94	20.03	15.99	7.15	286.48	666.61	495.09	469.68	25.41	19.482		
5,700.00	5,691.62	5,686.51	5,678.07	20.40	16.34	8.09	280.64	671.63	490.81	464.89	25.91	18.941		
5,800.00	5,791.37	5,785.20	5,776.45	20.77	16.70	9.06	274.89	676.90	486.87	460.45	26.42	18.431		
5,900.00	5,891.12	5,885.75	5,876.71	21.14	17.06	10.02	269.36	682.19	483.10	456.18	26.92	17.943		
6,000.00	5,990.86	5,985.88	5,976.54	21.52	17.42	11.00	263.67	687.31	479.28	451.84	27.43	17.471		
6,100.00	6,090.61	6,085.00	6,075.37	21.89	17.78	12.00	258.02	692.41	475.62	447.68	27.94	17.024		
6,200.00	6,190.36	6,184.94	6,175.03	22.26	18.14	12.99	252.52	697.50	472.11	443.67	28.45	16.597		
6,300.00	6,290.11	6,283.93	6,273.74	22.63	18.50	13.99	247.08	702.55	468.75	439.80	28.95	16.191		
6,400.00	6,389.85	6,382.19	6,371.71	23.00	18.86	15.00	241.62	707.81	465.78	436.32	29.46	15.813		
6,500.00	6,489.60	6,481.55	6,470.76	23.37	19.22	16.05	236.08	713.29	463.10	433.14	29.96	15.455		
6,600.00	6,589.35	6,581.05	6,569.96	23.74	19.59	17.09	230.72	718.80	460.66	430.18	30.47	15.117		
6,700.00	6,689.10	6,684.07	6,672.68	24.12	19.96	18.18	225.08	724.30	458.15	427.16	30.99	14.784		
6,800.00	6,788.84	6,796.17	6,784.63	24.49	20.36	19.11	220.80	728.05	454.11	422.59	31.51	14.409		
6,900.00	6,888.59	6,902.42	6,890.88	24.86	20.72	19.57	219.67	728.22	447.37	415.37	32.01	13.977		
7,000.00	6,988.34	7,001.74	6,990.18	25.23	21.03	19.70	221.02	727.73	440.40	407.92	32.49	13.557		
7,069.58	7,057.74	7,070.80	7,059.23	25.49	21.24	19.76	222.18	727.44	435.63	402.82	32.82	13.275		
7,100.00	7,088.09	7,101.04	7,089.47	25.60	21.33	19.77	222.70	727.33	433.68	400.71	32.96	13.158		
7,200.00	7,187.97	7,199.47	7,187.89	25.97	21.64	19.75	224.29	727.12	429.00	395.56	33.44	12.831		
7,300.00	7,287.93	7,299.72	7,288.12	26.33	21.96	19.67	225.63	727.17	427.00	393.09	33.91	12.592		
7,333.95	7,321.89	7,333.63	7,322.04	26.44	22.06	19.63	226.03	727.16	426.85	392.78	34.07	12.528 CC		
7,341.07	7,329.00	7,340.71	7,329.11	26.47	22.08	81.50	226.11	727.16	426.86	392.75	34.11	12.516		
7,400.00	7,387.93	7,399.30	7,387.70	26.67	22.27	81.42	226.70	727.21	426.99	392.61	34.38	12.418		
7,500.00	7,487.93	7,497.83	7,486.22	27.02	22.59	81.34	227.35	727.54	427.42	392.56	34.86	12.261		
7,600.00	7,587.93	7,597.52	7,585.91	27.37	22.92	81.31	227.69	728.15	428.07	392.73	35.34	12.111		
7,700.00	7,687.93	7,695.88	7,684.26	27.72	23.25	81.31	227.82	728.99	428.94	393.11	35.83	11.972		
7,800.00	7,787.93	7,793.46	7,781.84	28.06	23.59	81.30	228.05	730.28	430.28	393.96	36.31	11.849		
7,900.00	7,887.93	7,890.59	7,878.95	28.41	23.92	81.29	228.45	732.16	432.26	395.46	36.80	11.747		
8,000.00	7,987.93	7,989.80	7,978.13	28.76	24.25	81.28	228.86	734.49	434.64	397.35	37.29	11.657		
8,100.00	8,087.93	8,089.23	8,077.53	29.11	24.59	81.23	229.62	736.91	437.16	399.39	37.77	11.574		
8,200.00	8,187.93	8,188.39	8,176.65	29.46	24.93	81.13	230.76	739.40	439.82	401.56	38.26	11.496		
8,300.00	8,287.93	8,287.33	8,275.54	29.81	25.26	80.98	232.39	742.08	442.76	404.01	38.74	11.429		
8,400.00	8,387.93	8,388.23	8,376.39	30.16	25.60	80.78	234.36	744.75	445.68	406.45	39.23	11.361		
8,500.00	8,487.93	8,489.87	8,477.98	30.51	25.94	80.59	236.29	747.12	448.29	408.57	39.72	11.287		
8,600.00	8,587.93	8,593.17	8,581.24	30.86	26.29	80.39	238.17	749.05	450.43	410.22	40.21	11.203		
8,700.00	8,687.93	8,697.76	8,685.83	31.21	26.64	80.34	238.75	750.18	451.59	410.89	40.70	11.096		
8,800.00	8,787.93	8,799.39	8,787.45	31.56	26.99	80.47	237.87	750.74	451.99	410.79	41.20	10.972		
8,900.00	8,887.93	8,899.06	8,887.11	31.91	27.34	80.64	236.55	751.29	452.31	410.62	41.69	10.849		
9,000.00	8,987.93	8,998.39	8,986.43	32.26	27.69	80.88	234.74	752.04	452.76	410.58	42.19	10.732		
9,100.00	9,087.93	9,097.36	9,085.37	32.61	28.04	81.13	232.90	752.97	453.41	410.72	42.69	10.622		
9,200.00	9,187.93	9,195.17	9,183.16	32.96	28.38	81.32	231.60	754.16	454.40	411.22	43.18	10.523		
9,300.00	9,287.93	9,293.74	9,281.72	33.31	28.73	81.39	231.27	755.62	455.81	412.14	43.68	10.436		
9,400.00	9,387.93	9,399.73	9,387.71	33.66	29.10	81.43	231.08	756.55	456.65	412.47	44.18	10.337		
9,500.00	9,487.93	9,498.49	9,486.47	34.01	29.44	81.45	230.96	756.88	456.97	412.30	44.67	10.230		
9,600.00	9,587.93	9,595.97	9,583.93	34.36	29.77	81.36	231.76	757.75	457.97	412.81	45.16	10.142		
9,700.00	9,687.93	9,702.90	9,690.86	34.72	30.13	81.32	232.14	757.88	458.14	412.49	45.64	10.037		
9,800.00	9,787.93	9,802.10	9,790.05	35.07	30.46	81.54	230.34	757.58	457.56	411.43	46.14	9.918		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 133-MWD, 1394-OWSG (Rev2) MWD, 22230-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,820.28	9,808.21	9,821.17	9,809.11	35.14	30.53	81.59	229.95	757.61	457.54	411.30	46.24	9.895		
9,900.00	9,887.93	9,901.93	9,889.86	35.42	30.81	81.78	228.40	758.02	457.71	411.08	46.63	9.815		
10,000.00	9,987.93	10,007.17	9,995.06	35.77	31.18	82.11	225.71	757.33	456.69	409.57	47.13	9.691		
10,100.00	10,087.93	10,105.18	10,093.03	36.12	31.52	82.44	222.93	756.43	455.41	407.78	47.62	9.562		
10,200.00	10,187.93	10,203.22	10,191.04	36.48	31.86	82.74	220.47	756.15	454.81	406.68	48.12	9.451		
10,274.48	10,262.41	10,275.52	10,263.31	36.74	32.11	82.97	218.63	756.13	454.55	406.06	48.49	9.373		
10,300.00	10,287.93	10,299.71	10,287.49	36.83	32.20	83.04	218.07	756.24	454.59	405.97	48.62	9.350		
10,400.00	10,387.93	10,396.52	10,384.28	37.18	32.54	83.32	215.97	757.20	455.32	406.20	49.12	9.270		
10,500.00	10,487.93	10,495.48	10,483.19	37.53	32.89	83.65	213.50	758.64	456.47	406.85	49.62	9.199		
10,600.00	10,587.93	10,595.81	10,583.47	37.89	33.25	84.04	210.53	760.20	457.70	407.58	50.12	9.132		
10,700.00	10,687.93	10,724.82	10,712.40	38.24	33.70	84.41	207.36	758.59	456.36	405.78	50.58	9.023		
10,800.00	10,787.93	10,820.94	10,808.42	38.59	34.02	84.59	205.57	754.55	451.99	400.91	51.08	8.849		
10,900.00	10,887.93	10,916.37	10,903.75	38.94	34.34	84.87	203.02	751.07	448.11	396.52	51.58	8.687		
11,000.00	10,987.93	11,009.34	10,996.64	39.30	34.66	85.24	199.95	748.96	445.56	393.47	52.09	8.553		
11,100.00	11,087.93	11,102.50	11,089.74	39.65	34.98	85.66	196.61	748.33	444.60	392.01	52.60	8.453		
11,115.82	11,103.75	11,117.42	11,104.65	39.71	35.04	85.74	196.06	748.36	444.59	391.91	52.68	8.440 ES		
11,200.00	11,187.93	11,197.45	11,184.62	40.00	35.32	86.12	193.14	748.99	445.04	391.94	53.10	8.382		
11,300.00	11,287.93	11,295.97	11,283.08	40.36	35.68	86.57	189.70	750.27	446.11	392.51	53.60	8.323		
11,400.00	11,387.93	11,398.11	11,385.12	40.71	36.05	87.08	185.78	751.98	447.58	393.47	54.10	8.272		
11,500.00	11,487.93	11,499.79	11,485.43	41.07	36.43	89.10	170.04	752.63	447.70	393.08	54.62	8.196		
11,600.00	11,587.93	11,583.75	11,565.09	41.42	36.77	92.43	143.89	754.51	450.54	395.44	55.11	8.176		
11,700.00	11,687.93	11,663.85	11,637.02	41.77	37.11	96.81	108.96	757.51	458.66	403.19	55.47	8.269		
11,800.00	11,787.93	11,745.70	11,706.20	42.13	37.48	102.10	65.40	760.41	473.03	417.34	55.69	8.494		
11,900.00	11,887.93	11,811.14	11,756.59	42.48	37.79	106.98	23.68	761.14	494.93	439.48	55.46	8.925		
12,000.00	11,987.93	11,862.00	11,794.33	42.83	38.03	110.76	-10.39	762.37	526.39	471.67	54.72	9.620		
12,100.00	12,087.93	11,919.10	11,834.86	43.19	38.32	114.93	-50.54	764.49	566.77	512.81	53.97	10.502		
12,179.11	12,167.04	11,958.00	11,860.92	43.47	38.52	117.72	-79.36	766.26	604.78	551.56	53.22	11.365		
12,200.00	12,187.93	11,958.00	11,860.92	43.54	38.52	-60.62	-79.36	766.26	615.49	562.71	52.78	11.661		
12,250.00	12,237.75	11,980.37	11,875.08	43.70	38.64	-56.63	-96.65	767.31	641.12	588.88	52.24	12.273		
12,300.00	12,287.04	12,005.00	11,889.55	43.85	38.77	-52.86	-116.54	768.36	666.70	614.97	51.73	12.888		
12,350.00	12,335.41	12,005.00	11,889.55	44.00	38.77	-50.57	-116.54	768.36	691.88	641.19	50.69	13.650		
12,400.00	12,382.50	12,031.30	11,903.31	44.14	38.92	-47.28	-138.94	768.98	716.19	665.97	50.21	14.263		
12,450.00	12,427.95	12,052.00	11,912.57	44.27	39.03	-44.52	-157.44	768.86	739.92	690.31	49.62	14.913		
12,500.00	12,471.42	12,052.00	11,912.57	44.39	39.03	-42.74	-157.44	768.86	762.84	714.16	48.68	15.670		
12,550.00	12,512.57	12,081.04	11,923.40	44.50	39.19	-40.18	-184.36	767.89	784.19	735.93	48.26	16.249		
12,600.00	12,551.09	12,099.00	11,928.90	44.59	39.28	-38.22	-201.42	766.87	804.46	756.77	47.69	16.869		
12,650.00	12,586.68	12,142.95	11,941.17	44.68	39.53	-35.87	-243.51	763.76	822.60	775.13	47.48	17.326		
12,700.00	12,619.09	12,147.00	11,942.29	44.76	39.55	-34.79	-247.39	763.45	838.66	791.83	46.82	17.911		
12,750.00	12,648.05	12,182.20	11,950.73	44.84	39.75	-33.26	-281.43	760.65	852.16	805.59	46.57	18.300		
12,800.00	12,673.35	12,200.62	11,954.09	44.93	39.85	-32.25	-299.48	759.10	864.28	818.11	46.18	18.717		
12,850.00	12,694.80	12,242.00	11,958.92	45.04	40.08	-31.04	-340.40	755.47	875.34	829.33	46.00	19.029		
12,900.00	12,712.23	12,242.00	11,958.92	45.16	40.08	-30.65	-340.40	755.47	882.95	837.33	45.62	19.355		
12,950.00	12,725.51	12,242.00	11,958.92	45.28	40.08	-30.31	-340.40	755.47	889.62	844.25	45.37	19.608		
13,000.00	12,734.55	12,284.16	11,961.21	45.41	40.33	-29.72	-382.39	752.50	893.28	847.93	45.35	19.698		
13,050.00	12,739.26	12,308.41	11,961.87	45.54	40.47	-29.51	-406.61	751.54	894.99	849.64	45.35	19.736		
13,079.11	12,740.00	12,336.00	11,962.04	45.62	40.64	-29.47	-434.20	751.14	895.10	849.69	45.41	19.711		
13,100.00	12,740.00	12,336.00	11,962.04	45.68	40.64	-29.47	-434.20	751.14	894.67	849.24	45.43	19.694		
13,127.51	12,740.00	12,355.79	11,962.02	45.76	40.76	-29.47	-453.98	751.28	894.63	849.12	45.51	19.659		
13,200.00	12,740.00	12,424.53	11,963.31	45.98	41.21	-29.65	-522.62	754.51	894.78	848.96	45.82	19.528		
13,300.00	12,740.00	12,520.65	11,964.98	46.34	41.89	-29.94	-618.57	759.65	895.44	849.13	46.31	19.335		
13,400.00	12,740.00	12,615.87	11,964.09	46.75	42.59	-29.95	-713.77	761.23	896.58	849.83	46.74	19.182		
13,500.00	12,740.00	12,752.31	11,964.93	47.22	43.69	-29.83	-850.17	760.01	894.79	847.57	47.22	18.948		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 133-MWD, 1394-OWSG (Rev2) MWD, 22230-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,600.00	12,740.00	12,841.94	11,969.02	47.73	44.47	-30.17	-939.57	764.69	892.93	845.07	47.87	18.655		
13,700.00	12,740.00	12,942.95	11,972.95	48.30	45.38	-30.50	-1,040.38	769.32	891.38	842.81	48.57	18.353		
13,800.00	12,740.00	13,072.99	11,974.90	48.92	46.60	-30.24	-1,170.28	764.80	887.74	838.63	49.11	18.077		
13,900.00	12,740.00	13,186.00	11,981.49	49.58	47.72	-30.10	-1,282.94	759.63	879.62	829.91	49.71	17.694		
14,000.00	12,740.00	13,280.00	11,987.55	50.29	48.69	-30.23	-1,376.74	759.31	873.38	822.95	50.43	17.320		
14,100.00	12,740.00	13,350.44	11,991.06	51.04	49.45	-30.43	-1,447.05	761.52	869.91	818.74	51.17	17.001		
14,200.00	12,740.00	13,452.23	11,997.27	51.83	50.57	-30.99	-1,548.39	768.70	867.76	815.56	52.20	16.625		
14,300.00	12,740.00	13,564.73	12,004.34	52.66	51.84	-31.50	-1,660.48	774.53	864.55	811.29	53.26	16.232		
14,400.00	12,740.00	13,642.41	12,006.34	53.53	52.73	-31.54	-1,738.13	774.66	861.92	807.86	54.06	15.943		
14,500.00	12,740.00	13,733.47	12,006.18	54.44	53.78	-31.43	-1,829.18	773.85	861.09	806.25	54.84	15.703		
14,528.53	12,740.00	13,759.12	12,005.94	54.70	54.08	-31.40	-1,854.83	773.64	861.04	805.98	55.06	15.638		
14,600.00	12,740.00	13,823.58	12,005.03	55.38	54.85	-31.31	-1,919.28	773.30	861.33	805.71	55.62	15.485		
14,700.00	12,740.00	13,916.63	12,003.23	56.35	55.97	-31.21	-2,012.32	773.62	862.65	806.19	56.45	15.281		
14,800.00	12,740.00	14,010.72	12,003.37	57.35	57.12	-31.04	-2,106.36	773.19	864.51	807.26	57.26	15.099		
14,900.00	12,740.00	14,108.97	11,996.34	58.39	58.35	-30.81	-2,204.53	772.62	867.22	809.17	58.05	14.939		
15,000.00	12,740.00	14,224.91	11,993.56	59.45	59.82	-30.67	-2,320.43	772.93	868.92	810.01	58.92	14.748		
15,100.00	12,740.00	14,347.19	11,993.62	60.54	61.39	-30.60	-2,442.71	772.88	868.36	808.51	59.85	14.509		
15,200.00	12,740.00	14,446.87	11,994.67	61.65	62.69	-30.53	-2,542.37	771.93	866.47	805.68	60.78	14.255		
15,300.00	12,740.00	14,551.19	11,997.73	62.79	64.07	-30.69	-2,646.59	773.96	864.43	802.53	61.90	13.965		
15,400.00	12,740.00	14,662.49	12,005.77	63.94	65.59	-31.35	-2,757.31	781.79	861.33	797.93	63.40	13.586		
15,500.00	12,740.00	14,762.92	12,010.66	65.12	66.96	-31.56	-2,857.59	783.53	857.56	792.96	64.60	13.274		
15,600.00	12,740.00	14,856.75	12,015.05	66.32	68.25	-31.78	-2,951.29	785.68	854.26	788.42	65.84	12.974		
15,700.00	12,740.00	14,952.96	12,019.95	67.54	69.59	-32.14	-3,047.29	789.78	851.66	784.45	67.20	12.673		
15,800.00	12,740.00	15,050.51	12,022.84	68.78	70.95	-32.25	-3,144.77	790.84	849.20	780.80	68.40	12.415		
15,900.00	12,740.00	15,139.23	12,023.50	70.04	72.19	-32.17	-3,233.49	789.98	847.54	778.08	69.46	12.201		
15,942.90	12,740.00	15,174.87	12,022.93	70.58	72.68	-32.08	-3,269.11	789.12	847.36	777.48	69.88	12.126		
16,000.00	12,740.00	15,236.66	12,021.29	71.31	73.55	-31.88	-3,330.85	787.26	847.45	777.09	70.36	12.045		
16,100.00	12,740.00	15,352.68	12,021.77	72.59	75.19	-31.70	-3,446.84	785.03	845.49	774.15	71.34	11.852		
16,200.00	12,740.00	15,473.50	12,022.04	73.89	76.90	-31.29	-3,567.49	778.97	842.23	770.12	72.10	11.681		
16,300.00	12,740.00	15,570.64	12,026.17	75.21	78.30	-31.30	-3,664.52	777.60	837.36	764.10	73.26	11.430		
16,400.00	12,740.00	15,665.53	12,030.30	76.53	79.68	-31.39	-3,759.33	777.57	833.10	758.60	74.50	11.182		
16,500.00	12,740.00	15,749.26	12,032.44	77.87	80.89	-31.39	-3,843.02	777.02	830.07	754.39	75.69	10.967		
16,600.00	12,740.00	15,883.46	12,038.62	79.22	82.86	-31.62	-3,977.01	778.46	826.24	749.23	77.01	10.729		
16,700.00	12,740.00	15,984.15	12,046.54	80.59	84.35	-31.94	-4,077.38	779.98	819.83	741.33	78.50	10.444		
16,800.00	12,740.00	16,075.84	12,054.38	81.96	85.72	-32.41	-4,168.64	783.83	814.27	734.09	80.18	10.156		
16,900.00	12,740.00	16,186.77	12,066.14	83.34	87.39	-33.28	-4,278.65	791.96	808.80	726.56	82.24	9.835		
17,000.00	12,740.00	16,297.80	12,078.52	84.74	89.06	-33.97	-4,388.88	796.56	801.19	717.06	84.14	9.523		
17,100.00	12,740.00	16,396.21	12,089.16	86.14	90.54	-34.54	-4,486.66	799.70	793.47	707.49	85.98	9.229		
17,200.00	12,740.00	16,486.57	12,097.31	87.55	91.91	-34.89	-4,576.64	800.94	786.28	698.61	87.67	8.969		
17,300.00	12,740.00	16,569.07	12,101.85	88.97	93.15	-35.00	-4,659.00	800.42	780.86	691.72	89.14	8.760		
17,400.00	12,740.00	16,661.19	12,101.58	90.39	94.52	-34.66	-4,751.00	795.83	777.65	687.58	90.07	8.634		
17,500.00	12,740.00	16,784.58	12,101.60	91.83	96.36	-34.08	-4,874.09	787.51	773.33	682.74	90.59	8.537		
17,600.00	12,740.00	16,892.22	12,106.04	93.27	97.98	-33.85	-4,981.48	781.82	766.38	674.84	91.54	8.372		
17,700.00	12,740.00	16,995.97	12,113.59	94.72	99.56	-34.00	-5,084.94	780.23	758.94	665.99	92.95	8.165		
17,800.00	12,740.00	17,106.08	12,123.78	96.17	101.24	-34.35	-5,194.57	780.01	750.61	656.06	94.55	7.939		
17,900.00	12,740.00	17,223.05	12,135.98	97.64	103.04	-34.67	-5,310.87	777.77	740.36	644.34	96.02	7.711		
18,000.00	12,740.00	17,337.77	12,150.82	99.10	104.79	-35.10	-5,424.60	775.18	727.87	630.28	97.60	7.458		
18,100.00	12,740.00	17,445.45	12,167.49	100.58	106.45	-35.69	-5,530.96	773.42	713.70	614.26	99.44	7.177		
18,200.00	12,740.00	17,529.66	12,180.84	102.05	107.75	-36.24	-5,614.10	772.79	699.85	598.24	101.61	6.888		
18,300.00	12,740.00	17,609.60	12,191.28	103.54	108.98	-36.70	-5,693.35	772.78	688.73	584.99	103.74	6.639		
18,400.00	12,740.00	17,691.99	12,200.44	105.03	110.26	-37.21	-5,775.22	774.39	680.38	574.47	105.92	6.424		
18,500.00	12,740.00	17,781.59	12,210.12	106.52	111.66	-37.95	-5,864.17	778.86	674.21	565.87	108.35	6.223		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 133-MWD, 1394-OWSG (Rev2) MWD, 22230-BLIND													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
18,600.00	12,740.00	17,875.09	12,220.00	108.02	113.13	-38.78	-5,956.99	784.27	668.89	558.01	110.89	6.032		
18,700.00	12,740.00	17,966.56	12,227.03	109.52	114.56	-39.40	-6,048.08	788.71	665.33	552.14	113.19	5.878		
18,800.00	12,740.00	18,065.92	12,235.04	111.03	116.12	-40.10	-6,146.99	793.67	661.68	546.08	115.60	5.724		
18,900.00	12,740.00	18,153.46	12,242.06	112.54	117.50	-40.87	-6,234.00	800.18	659.73	541.53	118.19	5.582		
19,000.00	12,740.00	18,258.66	12,248.19	114.05	119.15	-41.56	-6,338.84	806.36	658.58	537.95	120.63	5.460		
19,100.00	12,740.00	18,371.91	12,253.63	115.57	120.93	-41.92	-6,451.93	808.15	655.34	532.84	122.51	5.349		
19,200.00	12,740.00	18,464.77	12,258.21	117.09	122.38	-42.18	-6,544.67	808.95	651.62	527.22	124.40	5.238		
19,300.00	12,740.00	18,555.03	12,260.31	118.62	123.80	-42.28	-6,634.90	809.57	649.67	523.59	126.08	5.153		
19,400.00	12,740.00	18,651.15	12,260.73	120.15	125.31	-42.25	-6,731.03	809.62	648.71	521.20	127.52	5.087		
19,500.00	12,740.00	18,758.87	12,262.62	121.68	127.00	-42.39	-6,838.71	811.06	647.67	518.50	129.17	5.014		
19,600.00	12,740.00	18,878.36	12,269.76	123.21	128.89	-42.94	-6,957.93	814.07	644.32	513.00	131.32	4.907		
19,700.00	12,740.00	18,982.00	12,279.60	124.75	130.53	-43.70	-7,061.04	817.56	639.02	505.08	133.95	4.771		
19,800.00	12,740.00	19,071.74	12,286.65	126.29	131.96	-44.23	-7,150.47	819.78	634.39	497.99	136.40	4.651		
19,900.00	12,740.00	19,164.00	12,292.52	127.84	133.42	-44.69	-7,242.52	822.12	630.94	492.22	138.72	4.548		
19,986.65	12,740.00	19,234.26	12,294.46	129.18	134.53	-44.84	-7,312.72	823.24	629.65	489.27	140.38	4.485		
20,000.00	12,740.00	19,244.73	12,294.33	129.38	134.70	-44.83	-7,323.20	823.24	629.68	489.11	140.57	4.479		
20,100.00	12,740.00	19,333.61	12,291.41	130.93	136.10	-44.58	-7,412.02	823.08	631.17	489.48	141.69	4.455		
20,200.00	12,740.00	19,422.99	12,287.95	132.48	137.52	-44.38	-7,501.32	824.31	634.21	491.33	142.88	4.439		
20,300.00	12,740.00	19,508.72	12,283.42	134.04	138.88	-44.18	-7,586.90	826.57	639.15	495.15	144.00	4.438		
20,400.00	12,740.00	19,608.49	12,274.37	135.59	140.46	-43.63	-7,686.25	827.64	645.76	501.13	144.63	4.465		
20,500.00	12,740.00	19,720.12	12,264.89	137.15	142.23	-42.96	-7,797.48	827.32	651.08	505.96	145.12	4.486		
20,600.00	12,740.00	19,819.66	12,257.94	138.71	143.80	-42.47	-7,896.77	827.12	655.41	509.62	145.79	4.496		
20,700.00	12,740.00	19,954.08	12,255.88	140.27	145.94	-42.30	-8,031.12	827.73	655.81	508.79	147.02	4.461		
20,728.76	12,740.00	19,977.80	12,256.02	140.72	146.32	-42.31	-8,054.83	827.98	655.70	508.22	147.48	4.446		
20,800.00	12,740.00	20,039.56	12,255.48	141.84	147.30	-42.29	-8,116.58	828.81	656.31	507.78	148.53	4.419		
20,900.00	12,740.00	20,133.29	12,253.72	143.41	148.80	-42.24	-8,210.28	830.50	658.24	508.31	149.93	4.390		
21,000.00	12,740.00	20,227.25	12,251.50	144.97	150.30	-42.21	-8,304.18	832.94	661.07	509.70	151.38	4.367		
21,100.00	12,740.00	20,323.81	12,251.39	146.54	151.85	-42.54	-8,400.52	839.18	664.85	511.32	153.53	4.330		
21,200.00	12,740.00	20,435.96	12,253.87	148.12	153.66	-43.18	-8,512.29	848.10	667.99	511.64	156.35	4.272		
21,300.00	12,740.00	20,548.98	12,256.68	149.69	155.47	-43.62	-8,625.13	853.63	668.84	510.11	158.72	4.214		
21,358.41	12,740.00	20,608.10	12,257.35	150.61	156.42	-43.69	-8,684.24	854.83	668.78	509.02	159.76	4.186		
21,400.00	12,740.00	20,647.34	12,257.11	151.26	157.05	-43.67	-8,723.48	855.08	668.85	508.50	160.35	4.171		
21,500.00	12,740.00	20,738.85	12,254.65	152.84	158.51	-43.44	-8,814.95	854.62	669.78	508.35	161.43	4.149		
21,600.00	12,740.00	20,840.22	12,250.49	154.42	160.13	-43.09	-8,916.23	853.88	671.59	509.33	162.26	4.139		
21,700.00	12,740.00	20,940.37	12,246.25	156.00	161.72	-42.68	-9,016.27	852.23	672.91	509.96	162.95	4.130		
21,800.00	12,740.00	21,048.35	12,241.61	157.58	163.44	-42.19	-9,124.13	849.78	673.88	510.43	163.45	4.123		
21,900.00	12,740.00	21,153.64	12,239.02	159.16	165.12	-41.85	-9,229.36	847.82	673.80	509.59	164.21	4.103		
22,000.00	12,740.00	21,263.11	12,239.76	160.75	166.88	-41.79	-9,338.82	847.27	672.28	506.81	165.47	4.063		
22,100.00	12,740.00	21,355.16	12,238.29	162.33	168.35	-41.49	-9,430.81	844.70	670.95	504.62	166.33	4.034		
22,158.86	12,740.00	21,409.28	12,236.21	163.27	169.21	-41.20	-9,484.85	842.57	670.74	504.14	166.60	4.026		
22,200.00	12,740.00	21,446.53	12,234.47	163.92	169.80	-40.98	-9,522.03	841.11	670.85	504.09	166.76	4.023		
22,300.00	12,740.00	21,535.72	12,229.66	165.51	171.22	-40.48	-9,611.05	838.34	672.28	505.12	167.16	4.022		
22,400.00	12,740.00	21,627.52	12,223.71	167.10	172.69	-39.97	-9,702.63	836.44	675.24	507.72	167.52	4.031		
22,500.00	12,740.00	21,733.60	12,218.42	168.69	174.39	-39.57	-9,808.57	835.80	678.04	509.87	168.17	4.032		
22,600.00	12,740.00	21,825.67	12,214.67	170.28	175.87	-39.37	-9,900.56	836.73	681.20	512.02	169.18	4.026		
22,700.00	12,740.00	21,917.82	12,211.03	171.87	177.36	-39.30	-9,992.59	839.53	685.55	515.09	170.46	4.022		
22,800.00	12,740.00	22,011.86	12,207.51	173.47	178.88	-39.34	-10,086.47	843.90	690.78	518.79	171.99	4.016 SF		
22,874.14	12,740.00	22,076.93	12,204.60	174.65	179.94	-39.38	-10,151.37	847.54	695.50	522.40	173.09	4.018		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 103H - OH - Plan #1		Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
							+N/-S (usft)	+E/-W (usft)								
19,300.00	12,740.00	15,010.32	8,480.00	118.62	113.30	14.48	-6,641.44	-727.58	4,399.74	4,311.12	88.63	49.644				
19,400.00	12,740.00	15,110.32	8,480.00	120.15	114.88	14.48	-6,741.44	-726.59	4,399.74	4,310.00	89.75	49.024				
19,500.00	12,740.00	15,210.32	8,480.00	121.68	116.47	14.48	-6,841.43	-725.60	4,399.74	4,308.87	90.87	48.418				
19,600.00	12,740.00	15,310.32	8,480.00	123.21	118.06	14.48	-6,941.43	-724.61	4,399.74	4,307.75	92.00	47.826				
19,700.00	12,740.00	15,410.32	8,480.00	124.75	119.65	14.48	-7,041.42	-723.61	4,399.74	4,306.62	93.12	47.247				
19,800.00	12,740.00	15,510.32	8,480.00	126.29	121.25	14.48	-7,141.42	-722.62	4,399.74	4,305.49	94.25	46.681				
19,900.00	12,740.00	15,610.32	8,480.00	127.84	122.84	14.48	-7,241.41	-721.63	4,399.74	4,304.36	95.38	46.127				
20,000.00	12,740.00	15,710.32	8,480.00	129.38	124.44	14.48	-7,341.41	-720.63	4,399.74	4,303.23	96.52	45.585				
20,100.00	12,740.00	15,810.32	8,480.00	130.93	126.04	14.48	-7,441.40	-719.64	4,399.74	4,302.09	97.65	45.055				
20,200.00	12,740.00	15,910.32	8,480.00	132.48	127.63	14.48	-7,541.40	-718.65	4,399.74	4,300.95	98.79	44.537				
20,300.00	12,740.00	16,010.32	8,480.00	134.04	129.23	14.48	-7,641.39	-717.66	4,399.74	4,299.82	99.93	44.029				
20,400.00	12,740.00	16,110.32	8,480.00	135.59	130.84	14.48	-7,741.39	-716.66	4,399.74	4,298.67	101.07	43.532				
20,500.00	12,740.00	16,210.32	8,480.00	137.15	132.44	14.48	-7,841.38	-715.67	4,399.74	4,297.53	102.21	43.046				
20,600.00	12,740.00	16,310.32	8,480.00	138.71	134.04	14.48	-7,941.38	-714.68	4,399.74	4,296.39	103.35	42.571				
20,700.00	12,740.00	16,410.32	8,480.00	140.27	135.65	14.48	-8,041.37	-713.68	4,399.74	4,295.25	104.49	42.105				
20,800.00	12,740.00	16,510.32	8,480.00	141.84	137.25	14.48	-8,141.37	-712.69	4,399.74	4,294.10	105.64	41.649				
20,900.00	12,740.00	16,610.32	8,480.00	143.41	138.86	14.48	-8,241.36	-711.70	4,399.74	4,292.96	106.79	41.201				
21,000.00	12,740.00	16,710.32	8,480.00	144.97	140.47	14.48	-8,341.36	-710.71	4,399.74	4,291.81	107.93	40.763				
21,100.00	12,740.00	16,810.32	8,480.00	146.54	142.08	14.48	-8,441.35	-709.71	4,399.74	4,290.66	109.08	40.334				
21,200.00	12,740.00	16,910.32	8,480.00	148.12	143.69	14.48	-8,541.35	-708.72	4,399.74	4,289.51	110.23	39.913				
21,300.00	12,740.00	17,010.32	8,480.00	149.69	145.30	14.48	-8,641.34	-707.73	4,399.74	4,288.36	111.39	39.500				
21,400.00	12,740.00	17,110.32	8,480.00	151.26	146.91	14.48	-8,741.34	-706.73	4,399.74	4,287.20	112.54	39.095				
21,500.00	12,740.00	17,210.32	8,480.00	152.84	148.53	14.48	-8,841.33	-705.74	4,399.74	4,286.05	113.69	38.698				
21,600.00	12,740.00	17,310.32	8,480.00	154.42	150.14	14.48	-8,941.33	-704.75	4,399.74	4,284.89	114.85	38.309				
21,700.00	12,740.00	17,410.32	8,480.00	156.00	151.75	14.48	-9,041.32	-703.76	4,399.74	4,283.74	116.01	37.927				
21,800.00	12,740.00	17,510.32	8,480.00	157.58	153.37	14.48	-9,141.32	-702.76	4,399.74	4,282.58	117.16	37.553				
21,900.00	12,740.00	17,610.32	8,480.00	159.16	154.99	14.48	-9,241.31	-701.77	4,399.74	4,281.43	118.32	37.186				
22,000.00	12,740.00	17,710.32	8,480.00	160.75	156.60	14.48	-9,341.31	-700.78	4,399.74	4,280.27	119.47	36.826				
22,100.00	12,740.00	17,810.32	8,480.00	162.33	158.22	14.48	-9,441.30	-699.78	4,399.74	4,279.11	120.63	36.472				
22,200.00	12,740.00	17,910.32	8,480.00	163.92	159.84	14.48	-9,541.30	-698.79	4,399.74	4,277.95	121.79	36.125				
22,300.00	12,740.00	18,010.32	8,480.00	165.51	161.46	14.48	-9,641.29	-697.80	4,399.74	4,276.79	122.95	35.784				
22,400.00	12,740.00	18,110.32	8,480.00	167.10	163.08	14.48	-9,741.29	-696.80	4,399.74	4,275.63	124.12	35.449				
22,500.00	12,740.00	18,210.32	8,480.00	168.69	164.70	14.48	-9,841.28	-695.81	4,399.74	4,274.46	125.28	35.120				
22,600.00	12,740.00	18,310.32	8,480.00	170.28	166.32	14.48	-9,941.28	-694.82	4,399.74	4,273.30	126.44	34.796				
22,700.00	12,740.00	18,410.32	8,480.00	171.87	167.94	14.48	-10,041.27	-693.83	4,399.74	4,272.13	127.61	34.478				
22,800.00	12,740.00	18,510.32	8,480.00	173.47	169.56	14.48	-10,141.27	-692.83	4,399.74	4,270.97	128.77	34.166				
22,874.14	12,740.00	18,584.46	8,480.00	174.65	170.77	14.48	-10,215.40	-692.10	4,399.74	4,270.10	129.64	33.939				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - Paul Foster Fed Com 104H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	0.00	0.00	0.00	0.00	152.89	-74.59	38.19	83.80					
100.00	100.00	100.00	100.00	0.13	0.13	152.89	-74.59	38.19	83.80	83.62	0.18	472.260		
200.00	200.00	200.00	200.00	0.48	0.48	152.89	-74.59	38.19	83.80	83.11	0.68	122.438		
300.00	300.00	300.00	300.00	0.84	0.84	152.89	-74.59	38.19	83.80	82.60	1.19	70.337		
400.00	400.00	400.00	400.00	1.20	1.20	152.89	-74.59	38.19	83.80	82.10	1.70	49.341		
500.00	500.00	500.00	500.00	1.56	1.56	152.89	-74.59	38.19	83.80	81.59	2.21	37.998		
600.00	600.00	600.00	600.00	1.92	1.92	152.89	-74.59	38.19	83.80	81.08	2.71	30.896		
700.00	700.00	700.00	700.00	2.28	2.28	152.89	-74.59	38.19	83.80	80.58	3.22	26.030		
800.00	800.00	800.00	800.00	2.63	2.63	152.89	-74.59	38.19	83.80	80.07	3.73	22.489		
900.00	900.00	900.00	900.00	2.99	2.99	152.89	-74.59	38.19	83.80	79.56	4.23	19.795		
1,000.00	1,000.00	1,000.00	1,000.00	3.35	3.35	152.89	-74.59	38.19	83.80	79.06	4.74	17.678		
1,100.00	1,100.00	1,100.00	1,100.00	3.71	3.71	152.89	-74.59	38.19	83.80	78.55	5.25	15.970		
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	152.89	-74.59	38.19	83.80	78.04	5.75	14.563		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	152.89	-74.59	38.19	83.80	77.53	6.26	13.384		
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	152.89	-74.59	38.19	83.80	77.03	6.77	12.381		
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	152.89	-74.59	38.19	83.80	76.52	7.27	11.519		
1,600.00	1,600.00	1,600.00	1,600.00	5.50	5.50	152.89	-74.59	38.19	83.80	76.01	7.78	10.768		
1,700.00	1,700.00	1,700.00	1,700.00	5.86	5.86	152.89	-74.59	38.19	83.80	75.51	8.29	10.110		
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	152.89	-74.59	38.19	83.80	75.00	8.80	9.527		
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	152.89	-74.59	38.19	83.80	74.49	9.30	9.008		
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	152.89	-74.59	38.19	83.80	73.99	9.81	8.542		
2,100.00	2,100.00	2,100.00	2,100.00	7.29	7.29	152.89	-74.59	38.19	83.80	73.48	10.32	8.122 CC		
2,200.00	2,200.00	2,199.47	2,199.46	7.65	7.64	152.03	-74.29	39.44	84.11	73.29	10.82	7.776 ES		
2,300.00	2,299.99	2,298.85	2,298.76	8.01	7.99	88.48	-73.37	43.22	85.12	73.81	11.31	7.526		
2,400.00	2,399.91	2,398.16	2,397.86	8.36	8.34	86.93	-71.86	49.49	86.85	75.05	11.80	7.360		
2,471.49	2,471.26	2,469.11	2,468.54	8.61	8.59	85.91	-70.41	55.51	88.51	76.36	12.15	7.284		
2,500.00	2,499.70	2,497.39	2,496.67	8.71	8.69	85.48	-69.74	58.26	89.29	76.99	12.29	7.264		
2,600.00	2,599.45	2,596.44	2,595.05	9.06	9.04	83.04	-67.03	69.50	92.63	79.85	12.78	7.246 SF		
2,700.00	2,699.19	2,695.64	2,693.26	9.42	9.40	79.51	-63.77	83.01	97.10	83.82	13.28	7.314		
2,800.00	2,798.94	2,795.34	2,791.92	9.78	9.77	76.08	-60.40	96.99	102.11	88.34	13.78	7.412		
2,900.00	2,898.69	2,895.03	2,890.57	10.13	10.14	72.97	-57.02	110.97	107.46	93.18	14.28	7.526		
3,000.00	2,998.44	2,994.73	2,989.22	10.49	10.52	70.17	-53.65	124.95	113.09	98.30	14.78	7.650		
3,100.00	3,098.18	3,094.42	3,087.88	10.85	10.90	67.64	-50.27	138.93	118.96	103.67	15.29	7.782		
3,200.00	3,197.93	3,194.12	3,186.53	11.22	11.28	65.35	-46.90	152.91	125.04	109.25	15.79	7.917		
3,300.00	3,297.68	3,293.81	3,285.18	11.58	11.66	63.28	-43.52	166.88	131.31	115.01	16.30	8.055		
3,400.00	3,397.43	3,393.51	3,383.84	11.94	12.05	61.39	-40.15	180.86	137.73	120.92	16.81	8.194		
3,500.00	3,497.17	3,493.21	3,482.49	12.30	12.44	59.68	-36.78	194.84	144.28	126.97	17.32	8.332		
3,600.00	3,596.92	3,592.90	3,581.14	12.67	12.83	58.11	-33.40	208.82	150.96	133.13	17.83	8.468		
3,700.00	3,696.67	3,692.60	3,679.80	13.03	13.23	56.68	-30.03	222.80	157.73	139.39	18.34	8.602		
3,800.00	3,796.42	3,792.29	3,778.45	13.40	13.62	55.37	-26.65	236.78	164.60	145.75	18.85	8.733		
3,900.00	3,896.16	3,891.99	3,877.10	13.76	14.02	54.16	-23.28	250.76	171.54	152.18	19.36	8.861		
4,000.00	3,995.91	3,991.69	3,975.76	14.13	14.42	53.05	-19.90	264.74	178.56	158.69	19.87	8.986		
4,100.00	4,095.66	4,091.38	4,074.41	14.50	14.82	52.02	-16.53	278.72	185.64	165.25	20.38	9.107		
4,200.00	4,195.41	4,191.08	4,173.06	14.86	15.22	51.06	-13.16	292.70	192.77	171.87	20.90	9.225		
4,300.00	4,295.15	4,290.77	4,271.72	15.23	15.63	50.18	-9.78	306.68	199.95	178.54	21.41	9.340		
4,400.00	4,394.90	4,390.47	4,370.37	15.60	16.03	49.36	-6.41	320.66	207.18	185.25	21.92	9.451		
4,500.00	4,494.65	4,490.17	4,469.02	15.97	16.44	48.59	-3.03	334.63	214.44	192.01	22.44	9.558		
4,600.00	4,594.40	4,589.86	4,567.68	16.34	16.84	47.87	0.34	348.61	221.74	198.79	22.95	9.662		
4,700.00	4,694.15	4,689.56	4,666.33	16.70	17.25	47.20	3.72	362.59	229.08	205.61	23.46	9.763		
4,800.00	4,793.89	4,789.25	4,764.98	17.07	17.66	46.57	7.09	376.57	236.44	212.46	23.98	9.861		
4,900.00	4,893.64	4,888.95	4,863.64	17.44	18.07	45.98	10.46	390.55	243.83	219.34	24.49	9.955		
5,000.00	4,993.39	4,988.64	4,962.29	17.81	18.48	45.42	13.84	404.53	251.25	226.24	25.01	10.047		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,088.34	5,060.94	18.18	18.89	44.90	17.21	418.51	258.68	233.16	25.52	10.135		
5,200.00	5,192.88	5,188.04	5,159.59	18.55	19.30	44.40	20.59	432.49	266.14	240.10	26.04	10.221		
5,300.00	5,292.63	5,287.73	5,258.25	18.92	19.71	43.93	23.96	446.47	273.62	247.06	26.55	10.304		
5,400.00	5,392.38	5,387.43	5,356.90	19.29	20.12	43.49	27.34	460.45	281.11	254.04	27.07	10.385		
5,500.00	5,492.13	5,487.12	5,455.55	19.66	20.53	43.07	30.71	474.43	288.62	261.03	27.59	10.462		
5,600.00	5,591.87	5,586.82	5,554.21	20.03	20.94	42.67	34.08	488.41	296.14	268.04	28.10	10.538		
5,700.00	5,691.62	5,686.52	5,652.86	20.40	21.36	42.29	37.46	502.38	303.68	275.06	28.62	10.611		
5,800.00	5,791.37	5,786.21	5,751.51	20.77	21.77	41.93	40.83	516.36	311.23	282.09	29.14	10.682		
5,900.00	5,891.12	5,885.91	5,850.17	21.14	22.19	41.58	44.21	530.34	318.79	289.14	29.65	10.751		
6,000.00	5,990.86	5,985.60	5,948.82	21.52	22.60	41.26	47.58	544.32	326.36	296.20	30.17	10.818		
6,100.00	6,090.61	6,085.30	6,047.47	21.89	23.01	40.94	50.96	558.30	333.95	303.26	30.69	10.883		
6,200.00	6,190.36	6,184.99	6,146.13	22.26	23.43	40.64	54.33	572.28	341.54	310.34	31.20	10.946		
6,300.00	6,290.11	6,284.69	6,244.78	22.63	23.84	40.36	57.70	586.26	349.14	317.42	31.72	11.007		
6,400.00	6,389.85	6,384.39	6,343.43	23.00	24.26	40.08	61.08	600.24	356.75	324.51	32.24	11.066		
6,500.00	6,489.60	6,484.08	6,442.09	23.37	24.68	39.82	64.45	614.22	364.37	331.61	32.75	11.124		
6,600.00	6,589.35	6,583.78	6,540.74	23.74	25.09	39.57	67.83	628.20	371.99	338.72	33.27	11.180		
6,700.00	6,689.10	6,683.47	6,639.39	24.12	25.51	39.33	71.20	642.18	379.62	345.83	33.79	11.235		
6,800.00	6,788.84	6,783.17	6,738.05	24.49	25.93	39.10	74.58	656.16	387.26	352.95	34.31	11.288		
6,900.00	6,888.59	6,885.67	6,839.49	24.86	26.35	38.87	78.02	670.42	394.81	359.96	34.85	11.330		
7,000.00	6,988.34	6,995.97	6,948.97	25.23	26.80	38.78	81.18	683.52	400.43	365.00	35.43	11.301		
7,069.58	7,057.74	7,072.88	7,025.50	25.49	27.10	38.83	82.95	690.84	402.80	366.97	35.83	11.242		
7,100.00	7,088.09	7,106.53	7,059.03	25.60	27.23	38.87	83.61	693.56	403.52	367.53	36.00	11.210		
7,200.00	7,187.97	7,217.18	7,169.45	25.97	27.63	38.96	85.28	700.51	405.52	368.99	36.53	11.100		
7,300.00	7,287.93	7,327.89	7,280.09	26.33	28.02	38.98	86.21	704.35	406.92	369.88	37.04	10.986		
7,341.07	7,329.00	7,373.37	7,325.56	26.47	28.17	100.84	86.37	705.03	407.31	370.08	37.24	10.938		
7,400.00	7,387.93	7,435.75	7,387.93	26.67	28.37	100.83	86.41	705.19	407.45	369.93	37.52	10.860		
7,500.00	7,487.93	7,535.75	7,487.93	27.02	28.70	100.83	86.41	705.19	407.45	369.44	38.01	10.720		
7,600.00	7,587.93	7,635.75	7,587.93	27.37	29.03	100.83	86.41	705.19	407.45	368.95	38.50	10.584		
7,700.00	7,687.93	7,735.75	7,687.93	27.72	29.35	100.83	86.41	705.19	407.45	368.46	38.98	10.451		
7,800.00	7,787.93	7,835.75	7,787.93	28.06	29.68	100.83	86.41	705.19	407.45	367.97	39.47	10.322		
7,803.86	7,791.79	7,839.61	7,791.79	28.08	29.69	100.83	86.41	705.19	407.45	367.96	39.49	10.317		
7,900.00	7,887.93	7,930.66	7,882.82	28.41	29.98	100.99	85.29	705.20	407.70	367.73	39.97	10.200		
8,000.00	7,987.93	8,016.51	7,967.79	28.76	30.23	102.60	73.54	705.31	410.68	370.22	40.46	10.150		
8,100.00	8,087.93	8,100.00	8,047.83	29.11	30.46	105.74	50.08	705.55	418.09	377.20	40.89	10.224		
8,200.00	8,187.93	8,170.32	8,112.02	29.46	30.63	109.45	21.46	705.83	431.82	390.73	41.09	10.510		
8,300.00	8,287.93	8,234.90	8,167.47	29.81	30.76	113.52	-11.56	706.16	453.78	412.83	40.94	11.083		
8,400.00	8,387.93	8,290.98	8,212.35	30.16	30.87	117.40	-45.15	706.50	485.13	444.76	40.38	12.015		
8,500.00	8,487.93	8,339.26	8,248.21	30.51	30.96	120.90	-77.46	706.82	526.07	486.64	39.43	13.343		
8,600.00	8,587.93	8,380.70	8,276.72	30.86	31.03	123.93	-107.52	707.12	575.97	537.71	38.25	15.058		
8,700.00	8,687.93	8,416.31	8,299.43	31.21	31.09	126.52	-134.94	707.40	633.74	596.78	36.95	17.149		
8,800.00	8,787.93	8,450.00	8,319.31	31.56	31.14	128.92	-162.13	707.67	698.18	662.43	35.75	19.528		
8,900.00	8,887.93	8,473.62	8,332.28	31.91	31.17	130.56	-181.87	707.86	768.10	733.60	34.50	22.265		
9,000.00	8,987.93	8,500.00	8,345.79	32.26	31.22	132.36	-204.52	708.09	842.56	809.06	33.50	25.149		
9,100.00	9,087.93	8,517.11	8,353.99	32.61	31.24	133.49	-219.54	708.24	920.66	888.15	32.51	28.323		
9,200.00	9,187.93	8,550.00	8,368.47	32.96	31.30	135.60	-249.06	708.54	1,002.08	970.10	31.98	31.339		
9,300.00	9,287.93	8,550.00	8,368.47	33.31	31.30	135.60	-249.06	708.54	1,085.38	1,054.37	31.01	34.997		
9,400.00	9,387.93	8,550.00	8,368.47	33.66	31.30	135.60	-249.06	708.54	1,171.30	1,141.07	30.23	38.747		
9,500.00	9,487.93	8,577.69	8,379.33	34.01	31.35	137.30	-274.53	708.79	1,258.36	1,228.37	29.99	41.960		
9,600.00	9,587.93	8,600.00	8,387.18	34.36	31.39	138.61	-295.41	709.00	1,347.28	1,317.53	29.75	45.291		
9,700.00	9,687.93	8,600.00	8,387.18	34.72	31.39	138.61	-295.41	709.00	1,437.12	1,407.82	29.30	49.049		
9,800.00	9,787.93	8,600.00	8,387.18	35.07	31.39	138.61	-295.41	709.00	1,528.22	1,499.27	28.95	52.794		
9,900.00	9,887.93	8,600.00	8,387.18	35.42	31.39	138.61	-295.41	709.00	1,620.37	1,591.70	28.68	56.506		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - Paul Foster Fed Com 104H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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	
10,000.00	9,987.93	8,625.10	8,395.03	35.77	31.44	140.03	-319.24	709.24	1,712.69	1,683.97	28.72	59.632		
10,100.00	10,087.93	8,650.00	8,401.78	36.12	31.50	141.37	-343.21	709.48	1,806.36	1,777.57	28.79	62.746		
10,200.00	10,187.93	8,650.00	8,401.78	36.48	31.50	141.37	-343.21	709.48	1,900.05	1,871.38	28.67	66.284		
10,300.00	10,287.93	8,650.00	8,401.78	36.83	31.50	141.37	-343.21	709.48	1,994.34	1,965.75	28.59	69.757		
10,400.00	10,387.93	8,650.00	8,401.78	37.18	31.50	141.37	-343.21	709.48	2,089.17	2,060.62	28.55	73.169		
10,500.00	10,487.93	8,650.00	8,401.78	37.53	31.50	141.37	-343.21	709.48	2,184.46	2,155.91	28.55	76.503		
10,600.00	10,587.93	8,650.00	8,401.78	37.89	31.50	141.37	-343.21	709.48	2,280.15	2,251.57	28.58	79.772		
10,700.00	10,687.93	8,650.00	8,401.78	38.24	31.50	141.37	-343.21	709.48	2,376.20	2,347.56	28.64	82.963		
10,800.00	10,787.93	8,650.00	8,401.78	38.59	31.50	141.37	-343.21	709.48	2,472.56	2,443.83	28.73	86.073		
10,900.00	10,887.93	8,673.56	8,407.21	38.94	31.56	142.59	-366.13	709.70	2,568.61	2,539.65	28.97	88.678		
11,000.00	10,987.93	8,677.31	8,407.98	39.30	31.57	142.78	-369.81	709.74	2,665.30	2,636.20	29.10	91.581		
11,100.00	11,087.93	8,700.00	8,412.16	39.65	31.63	143.89	-392.10	709.96	2,762.59	2,733.23	29.36	94.105		
11,200.00	11,187.93	8,700.00	8,412.16	40.00	31.63	143.89	-392.10	709.96	2,859.55	2,830.05	29.50	96.928		
11,300.00	11,287.93	8,700.00	8,412.16	40.36	31.63	143.89	-392.10	709.96	2,956.72	2,927.06	29.66	99.675		
11,400.00	11,387.93	8,700.00	8,412.16	40.71	31.63	143.89	-392.10	709.96	3,054.07	3,024.23	29.84	102.348		
11,500.00	11,487.93	8,700.00	8,412.16	41.07	31.63	143.89	-392.10	709.96	3,151.59	3,121.56	30.03	104.947		
11,600.00	11,587.93	8,700.00	8,412.16	41.42	31.63	143.89	-392.10	709.96	3,249.25	3,219.02	30.23	107.474		
11,700.00	11,687.93	8,700.00	8,412.16	41.77	31.63	143.89	-392.10	709.96	3,347.06	3,316.61	30.45	109.930		
11,800.00	11,787.93	8,700.00	8,412.16	42.13	31.63	143.89	-392.10	709.96	3,444.99	3,414.32	30.67	112.315		
11,900.00	11,887.93	8,700.00	8,412.16	42.48	31.63	143.89	-392.10	709.96	3,543.04	3,512.13	30.91	114.632		
12,000.00	11,987.93	8,700.00	8,412.16	42.83	31.63	143.89	-392.10	709.96	3,641.19	3,610.04	31.15	116.881		
12,100.00	12,087.93	8,700.00	8,412.16	43.19	31.63	143.89	-392.10	709.96	3,739.44	3,708.03	31.41	119.064		
12,179.11	12,167.04	8,700.00	8,412.16	43.47	31.63	143.89	-392.10	709.96	3,817.23	3,785.61	31.61	120.745		
12,200.00	12,187.93	8,700.00	8,412.16	43.54	31.63	-29.85	-392.10	709.96	3,837.72	3,806.05	31.67	121.185		
12,250.00	12,237.75	8,700.00	8,412.16	43.70	31.63	-21.34	-392.10	709.96	3,886.18	3,854.39	31.79	122.238		
12,300.00	12,287.04	8,700.00	8,412.16	43.85	31.63	-16.53	-392.10	709.96	3,933.54	3,901.63	31.91	123.285		
12,350.00	12,335.41	8,700.00	8,412.16	44.00	31.63	-13.50	-392.10	709.96	3,979.49	3,947.48	32.01	124.318		
12,400.00	12,382.50	8,700.00	8,412.16	44.14	31.63	-11.45	-392.10	709.96	4,023.74	3,991.63	32.11	125.328		
12,450.00	12,427.95	8,700.00	8,412.16	44.27	31.63	-9.98	-392.10	709.96	4,066.00	4,033.81	32.19	126.305		
12,500.00	12,471.42	8,725.07	8,415.75	44.39	31.70	-8.82	-416.91	710.21	4,105.41	4,073.07	32.34	126.963		
12,550.00	12,512.57	8,750.00	8,418.24	44.50	31.78	-7.94	-441.71	710.46	4,143.17	4,110.71	32.47	127.618		
12,600.00	12,551.09	8,750.00	8,418.24	44.59	31.78	-7.31	-441.71	710.46	4,177.61	4,145.09	32.52	128.462		
12,650.00	12,586.68	8,750.00	8,418.24	44.68	31.78	-6.81	-441.71	710.46	4,209.13	4,176.56	32.57	129.240		
12,700.00	12,619.09	8,750.00	8,418.24	44.76	31.78	-6.42	-441.71	710.46	4,237.57	4,204.97	32.60	129.976		
12,750.00	12,648.05	8,750.00	8,418.24	44.84	31.78	-6.10	-441.71	710.46	4,262.78	4,230.13	32.64	130.583		
12,800.00	12,673.35	8,750.00	8,418.24	44.93	31.78	-5.84	-441.71	710.46	4,284.61	4,251.93	32.68	131.115		
12,850.00	12,694.80	8,750.00	8,418.24	45.04	31.78	-5.65	-441.71	710.46	4,302.96	4,270.25	32.71	131.554		
12,900.00	12,712.23	8,750.00	8,418.24	45.16	31.78	-5.50	-441.71	710.46	4,317.73	4,284.99	32.74	131.877		
12,950.00	12,725.51	8,770.37	8,419.47	45.28	31.84	-5.38	-462.04	710.66	4,328.44	4,295.64	32.81	131.936		
13,000.00	12,734.55	8,794.85	8,420.00	45.41	31.93	-5.31	-486.52	710.91	4,335.93	4,303.05	32.88	131.883		
13,050.00	12,739.26	8,794.85	8,420.00	45.54	31.93	-5.28	-486.52	710.91	4,339.08	4,306.16	32.91	131.832		
13,079.11	12,740.00	8,794.85	8,420.00	45.62	31.93	-5.28	-486.52	710.91	4,339.18	4,306.24	32.94	131.741		
13,100.00	12,740.00	8,794.85	8,420.00	45.68	31.93	-5.28	-486.52	710.91	4,338.84	4,305.89	32.95	131.678		
13,159.66	12,740.00	8,794.85	8,420.00	45.86	31.93	-5.28	-486.52	710.91	4,338.43	4,305.40	33.03	131.362		
13,200.00	12,740.00	8,835.17	8,420.00	45.98	32.08	-5.28	-526.83	711.31	4,338.43	4,305.31	33.12	130.990		
13,300.00	12,740.00	8,935.17	8,420.00	46.34	32.52	-5.28	-626.83	712.31	4,338.43	4,305.05	33.38	129.976		
13,400.00	12,740.00	9,035.17	8,420.00	46.75	33.04	-5.28	-726.82	713.31	4,338.43	4,304.76	33.67	128.840		
13,500.00	12,740.00	9,135.17	8,420.00	47.22	33.64	-5.28	-826.82	714.30	4,338.43	4,304.43	34.00	127.594		
13,600.00	12,740.00	9,235.17	8,420.00	47.73	34.32	-5.28	-926.81	715.30	4,338.43	4,304.07	34.36	126.247		
13,700.00	12,740.00	9,335.17	8,420.00	48.30	35.05	-5.28	-1,026.81	716.30	4,338.43	4,303.67	34.76	124.812		
13,800.00	12,740.00	9,435.17	8,420.00	48.92	35.85	-5.28	-1,126.80	717.30	4,338.43	4,303.24	35.19	123.288		
13,900.00	12,740.00	9,535.17	8,420.00	49.58	36.71	-5.28	-1,226.80	718.30	4,338.43	4,302.78	35.65	121.704		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD												Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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
14,000.00	12,740.00	9,635.17	8,420.00	50.29	37.62	-5.28	-1,326.79	719.30	4,338.43	4,302.30	36.13	120.063	
14,100.00	12,740.00	9,735.17	8,420.00	51.04	38.58	-5.28	-1,426.79	720.29	4,338.43	4,301.78	36.65	118.374	
14,200.00	12,740.00	9,835.17	8,420.00	51.83	39.58	-5.28	-1,526.78	721.29	4,338.43	4,301.24	37.19	116.651	
14,300.00	12,740.00	9,935.17	8,420.00	52.66	40.63	-5.28	-1,626.78	722.29	4,338.43	4,300.68	37.76	114.899	
14,400.00	12,740.00	10,035.17	8,420.00	53.53	41.71	-5.28	-1,726.77	723.29	4,338.43	4,300.08	38.35	113.127	
14,500.00	12,740.00	10,135.17	8,420.00	54.44	42.84	-5.28	-1,826.77	724.29	4,338.43	4,299.47	38.97	111.341	
14,600.00	12,740.00	10,235.17	8,420.00	55.38	43.99	-5.28	-1,926.76	725.29	4,338.44	4,298.83	39.60	109.549	
14,700.00	12,740.00	10,335.17	8,420.00	56.35	45.18	-5.28	-2,026.76	726.29	4,338.44	4,298.17	40.26	107.756	
14,800.00	12,740.00	10,435.17	8,420.00	57.35	46.39	-5.28	-2,126.75	727.28	4,338.44	4,297.50	40.94	105.968	
14,900.00	12,740.00	10,535.17	8,420.00	58.39	47.63	-5.28	-2,226.75	728.28	4,338.44	4,296.80	41.64	104.190	
15,000.00	12,740.00	10,635.17	8,420.00	59.45	48.89	-5.28	-2,326.74	729.28	4,338.44	4,296.08	42.36	102.427	
15,100.00	12,740.00	10,735.17	8,420.00	60.54	50.18	-5.28	-2,426.74	730.28	4,338.44	4,295.35	43.09	100.681	
15,200.00	12,740.00	10,835.17	8,420.00	61.65	51.49	-5.28	-2,526.73	731.28	4,338.44	4,294.60	43.84	98.956	
15,300.00	12,740.00	10,935.17	8,420.00	62.79	52.81	-5.28	-2,626.73	732.28	4,338.44	4,293.83	44.61	97.256	
15,400.00	12,740.00	11,035.17	8,420.00	63.94	54.16	-5.28	-2,726.72	733.27	4,338.44	4,293.05	45.39	95.581	
15,500.00	12,740.00	11,135.17	8,420.00	65.12	55.52	-5.28	-2,826.72	734.27	4,338.44	4,292.25	46.19	93.934	
15,600.00	12,740.00	11,235.17	8,420.00	66.32	56.89	-5.28	-2,926.71	735.27	4,338.44	4,291.45	47.00	92.316	
15,700.00	12,740.00	11,335.17	8,420.00	67.54	58.28	-5.28	-3,026.71	736.27	4,338.44	4,290.62	47.82	90.729	
15,800.00	12,740.00	11,435.17	8,420.00	68.78	59.69	-5.28	-3,126.70	737.27	4,338.44	4,289.79	48.65	89.173	
15,900.00	12,740.00	11,535.17	8,420.00	70.04	61.10	-5.28	-3,226.70	738.27	4,338.44	4,288.94	49.50	87.649	
16,000.00	12,740.00	11,635.17	8,420.00	71.31	62.53	-5.28	-3,326.69	739.27	4,338.44	4,288.09	50.35	86.158	
16,100.00	12,740.00	11,735.17	8,420.00	72.59	63.97	-5.29	-3,426.69	740.26	4,338.44	4,287.22	51.22	84.699	
16,200.00	12,740.00	11,835.17	8,420.00	73.89	65.42	-5.29	-3,526.68	741.26	4,338.44	4,286.35	52.10	83.273	
16,300.00	12,740.00	11,935.17	8,420.00	75.21	66.87	-5.29	-3,626.68	742.26	4,338.44	4,285.46	52.99	81.880	
16,400.00	12,740.00	12,035.17	8,420.00	76.53	68.34	-5.29	-3,726.67	743.26	4,338.45	4,284.56	53.88	80.519	
16,500.00	12,740.00	12,135.17	8,420.00	77.87	69.82	-5.29	-3,826.67	744.26	4,338.45	4,283.66	54.78	79.191	
16,600.00	12,740.00	12,235.17	8,420.00	79.22	71.30	-5.29	-3,926.66	745.26	4,338.45	4,282.75	55.70	77.894	
16,700.00	12,740.00	12,335.17	8,420.00	80.59	72.79	-5.29	-4,026.66	746.25	4,338.45	4,281.83	56.62	76.629	
16,800.00	12,740.00	12,435.17	8,420.00	81.96	74.28	-5.29	-4,126.65	747.25	4,338.45	4,280.90	57.54	75.395	
16,900.00	12,740.00	12,535.17	8,420.00	83.34	75.79	-5.29	-4,226.65	748.25	4,338.45	4,279.97	58.48	74.191	
17,000.00	12,740.00	12,635.17	8,420.00	84.74	77.30	-5.29	-4,326.64	749.25	4,338.45	4,279.03	59.42	73.016	
17,100.00	12,740.00	12,735.17	8,420.00	86.14	78.81	-5.29	-4,426.64	750.25	4,338.45	4,278.08	60.36	71.871	
17,200.00	12,740.00	12,835.17	8,420.00	87.55	80.33	-5.29	-4,526.63	751.25	4,338.45	4,277.13	61.32	70.754	
17,300.00	12,740.00	12,935.17	8,420.00	88.97	81.86	-5.29	-4,626.63	752.25	4,338.45	4,276.17	62.28	69.665	
17,400.00	12,740.00	13,035.17	8,420.00	90.39	83.39	-5.29	-4,726.62	753.24	4,338.45	4,275.21	63.24	68.603	
17,500.00	12,740.00	13,135.17	8,420.00	91.83	84.92	-5.29	-4,826.62	754.24	4,338.45	4,274.24	64.21	67.568	
17,600.00	12,740.00	13,235.17	8,420.00	93.27	86.46	-5.29	-4,926.61	755.24	4,338.45	4,273.27	65.18	66.558	
17,700.00	12,740.00	13,335.17	8,420.00	94.72	88.00	-5.29	-5,026.61	756.24	4,338.45	4,272.29	66.16	65.574	
17,800.00	12,740.00	13,435.17	8,420.00	96.17	89.55	-5.29	-5,126.60	757.24	4,338.45	4,271.31	67.14	64.614	
17,900.00	12,740.00	13,535.17	8,420.00	97.64	91.10	-5.29	-5,226.60	758.24	4,338.45	4,270.32	68.13	63.678	
18,000.00	12,740.00	13,635.17	8,420.00	99.10	92.65	-5.29	-5,326.59	759.23	4,338.45	4,269.33	69.12	62.765	
18,100.00	12,740.00	13,735.17	8,420.00	100.58	94.21	-5.29	-5,426.59	760.23	4,338.45	4,268.34	70.12	61.874	
18,200.00	12,740.00	13,835.17	8,420.00	102.05	95.77	-5.29	-5,526.58	761.23	4,338.46	4,267.34	71.12	61.005	
18,300.00	12,740.00	13,935.17	8,420.00	103.54	97.33	-5.29	-5,626.58	762.23	4,338.46	4,266.34	72.12	60.156	
18,400.00	12,740.00	14,035.17	8,420.00	105.03	98.90	-5.29	-5,726.57	763.23	4,338.46	4,265.33	73.13	59.328	
18,500.00	12,740.00	14,135.17	8,420.00	106.52	100.47	-5.29	-5,826.57	764.23	4,338.46	4,264.32	74.14	58.520	
18,600.00	12,740.00	14,235.17	8,420.00	108.02	102.04	-5.29	-5,926.56	765.23	4,338.46	4,263.31	75.15	57.731	
18,700.00	12,740.00	14,335.17	8,420.00	109.52	103.61	-5.29	-6,026.56	766.22	4,338.46	4,262.29	76.17	56.961	
18,800.00	12,740.00	14,435.17	8,420.00	111.03	105.19	-5.29	-6,126.55	767.22	4,338.46	4,261.27	77.18	56.209	
18,900.00	12,740.00	14,535.17	8,420.00	112.54	106.77	-5.29	-6,226.55	768.22	4,338.46	4,260.25	78.21	55.474	
19,000.00	12,740.00	14,635.17	8,420.00	114.05	108.35	-5.29	-6,326.54	769.22	4,338.46	4,259.23	79.23	54.757	
19,100.00	12,740.00	14,735.17	8,420.00	115.57	109.93	-5.29	-6,426.54	770.22	4,338.46	4,258.20	80.26	54.055	

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 104H - OH - Plan #1		Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance						Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor					
							+N/-S (usft)	+E/-W (usft)									
19,200.00	12,740.00	14,835.17	8,420.00	117.09	111.52	-5.29	-6,526.53	771.22	4,338.46	4,257.17	81.29	53.370					
19,300.00	12,740.00	14,935.17	8,420.00	118.62	113.10	-5.29	-6,626.53	772.21	4,338.46	4,256.14	82.32	52.701					
19,400.00	12,740.00	15,035.17	8,420.00	120.15	114.69	-5.29	-6,726.52	773.21	4,338.46	4,255.10	83.36	52.047					
19,500.00	12,740.00	15,135.17	8,420.00	121.68	116.28	-5.29	-6,826.52	774.21	4,338.46	4,254.07	84.39	51.407					
19,600.00	12,740.00	15,235.17	8,420.00	123.21	117.87	-5.29	-6,926.51	775.21	4,338.46	4,253.03	85.43	50.782					
19,700.00	12,740.00	15,335.17	8,420.00	124.75	119.47	-5.29	-7,026.51	776.21	4,338.46	4,251.99	86.48	50.170					
19,800.00	12,740.00	15,435.17	8,420.00	126.29	121.06	-5.29	-7,126.50	777.21	4,338.46	4,250.95	87.52	49.572					
19,900.00	12,740.00	15,535.17	8,420.00	127.84	122.66	-5.29	-7,226.50	778.21	4,338.46	4,249.90	88.56	48.987					
20,000.00	12,740.00	15,635.17	8,420.00	129.38	124.26	-5.29	-7,326.49	779.20	4,338.46	4,248.85	89.61	48.414					
20,100.00	12,740.00	15,735.17	8,420.00	130.93	125.86	-5.29	-7,426.49	780.20	4,338.47	4,247.81	90.66	47.854					
20,200.00	12,740.00	15,835.17	8,420.00	132.48	127.46	-5.29	-7,526.48	781.20	4,338.47	4,246.76	91.71	47.306					
20,300.00	12,740.00	15,935.17	8,420.00	134.04	129.06	-5.29	-7,626.48	782.20	4,338.47	4,245.70	92.76	46.769					
20,400.00	12,740.00	16,035.17	8,420.00	135.59	130.66	-5.29	-7,726.47	783.20	4,338.47	4,244.65	93.82	46.244					
20,500.00	12,740.00	16,135.17	8,420.00	137.15	132.27	-5.29	-7,826.47	784.20	4,338.47	4,243.60	94.87	45.730					
20,600.00	12,740.00	16,235.17	8,420.00	138.71	133.87	-5.29	-7,926.46	785.19	4,338.47	4,242.54	95.93	45.226					
20,700.00	12,740.00	16,335.17	8,420.00	140.27	135.48	-5.29	-8,026.46	786.19	4,338.47	4,241.48	96.99	44.732					
20,800.00	12,740.00	16,435.17	8,420.00	141.84	137.09	-5.29	-8,126.45	787.19	4,338.47	4,240.42	98.05	44.249					
20,900.00	12,740.00	16,535.17	8,420.00	143.41	138.70	-5.29	-8,226.45	788.19	4,338.47	4,239.36	99.11	43.775					
21,000.00	12,740.00	16,635.17	8,420.00	144.97	140.31	-5.29	-8,326.44	789.19	4,338.47	4,238.30	100.17	43.310					
21,100.00	12,740.00	16,735.17	8,420.00	146.54	141.92	-5.29	-8,426.44	790.19	4,338.47	4,237.23	101.24	42.855					
21,200.00	12,740.00	16,835.17	8,420.00	148.12	143.53	-5.29	-8,526.43	791.19	4,338.47	4,236.17	102.30	42.409					
21,300.00	12,740.00	16,935.17	8,420.00	149.69	145.14	-5.29	-8,626.43	792.18	4,338.47	4,235.10	103.37	41.970					
21,400.00	12,740.00	17,035.17	8,420.00	151.26	146.76	-5.29	-8,726.42	793.18	4,338.47	4,234.03	104.44	41.540					
21,500.00	12,740.00	17,135.17	8,420.00	152.84	148.37	-5.29	-8,826.42	794.18	4,338.47	4,232.96	105.51	41.119					
21,600.00	12,740.00	17,235.17	8,420.00	154.42	149.98	-5.29	-8,926.41	795.18	4,338.47	4,231.89	106.58	40.706					
21,700.00	12,740.00	17,335.17	8,420.00	156.00	151.60	-5.29	-9,026.41	796.18	4,338.47	4,230.82	107.65	40.301					
21,800.00	12,740.00	17,435.17	8,420.00	157.58	153.22	-5.29	-9,126.40	797.18	4,338.47	4,229.75	108.72	39.904					
21,900.00	12,740.00	17,535.17	8,420.00	159.16	154.83	-5.29	-9,226.40	798.17	4,338.48	4,228.68	109.79	39.514					
22,000.00	12,740.00	17,635.17	8,420.00	160.75	156.45	-5.29	-9,326.39	799.17	4,338.48	4,227.61	110.87	39.132					
22,100.00	12,740.00	17,735.17	8,420.00	162.33	158.07	-5.29	-9,426.39	800.17	4,338.48	4,226.53	111.94	38.756					
22,200.00	12,740.00	17,835.17	8,420.00	163.92	159.69	-5.29	-9,526.38	801.17	4,338.48	4,225.46	113.02	38.387					
22,300.00	12,740.00	17,935.17	8,420.00	165.51	161.31	-5.29	-9,626.38	802.17	4,338.48	4,224.38	114.10	38.025					
22,400.00	12,740.00	18,035.17	8,420.00	167.10	162.93	-5.29	-9,726.37	803.17	4,338.48	4,223.31	115.17	37.669					
22,500.00	12,740.00	18,135.17	8,420.00	168.69	164.55	-5.29	-9,826.37	804.17	4,338.48	4,222.23	116.25	37.320					
22,600.00	12,740.00	18,235.17	8,420.00	170.28	166.17	-5.29	-9,926.36	805.16	4,338.48	4,221.15	117.33	36.977					
22,700.00	12,740.00	18,335.17	8,420.00	171.87	167.80	-5.29	-10,026.36	806.16	4,338.48	4,220.07	118.41	36.640					
22,800.00	12,740.00	18,435.17	8,420.00	173.47	169.42	-5.29	-10,126.35	807.16	4,338.48	4,218.99	119.49	36.308					
22,874.14	12,740.00	18,509.30	8,420.00	174.65	170.62	-5.29	-10,200.49	807.90	4,338.48	4,218.19	120.29	36.066					

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,900.00	12,740.00	11,634.19	10,418.00	49.58	42.96	25.35	-1,241.70	-781.16	2,569.40	2,524.67	44.73	57.449		
14,000.00	12,740.00	11,734.19	10,418.00	50.29	43.75	25.35	-1,341.70	-780.17	2,569.40	2,524.06	45.34	56.675		
14,100.00	12,740.00	11,834.19	10,418.00	51.04	44.58	25.35	-1,441.69	-779.18	2,569.40	2,523.41	45.98	55.880		
14,200.00	12,740.00	11,934.19	10,418.00	51.83	45.46	25.35	-1,541.69	-778.18	2,569.40	2,522.74	46.66	55.067		
14,300.00	12,740.00	12,034.19	10,418.00	52.66	46.38	25.35	-1,641.68	-777.19	2,569.40	2,522.02	47.37	54.241		
14,400.00	12,740.00	12,134.19	10,418.00	53.53	47.34	25.35	-1,741.68	-776.20	2,569.40	2,521.28	48.11	53.405		
14,500.00	12,740.00	12,234.19	10,418.00	54.44	48.34	25.35	-1,841.67	-775.21	2,569.40	2,520.51	48.88	52.563		
14,600.00	12,740.00	12,334.19	10,418.00	55.38	49.38	25.35	-1,941.67	-774.21	2,569.40	2,519.72	49.68	51.719		
14,700.00	12,740.00	12,434.19	10,418.00	56.35	50.44	25.35	-2,041.66	-773.22	2,569.40	2,518.89	50.50	50.874		
14,800.00	12,740.00	12,534.19	10,418.00	57.35	51.54	25.35	-2,141.66	-772.23	2,569.40	2,518.04	51.35	50.033		
14,900.00	12,740.00	12,634.19	10,418.00	58.39	52.67	25.35	-2,241.65	-771.24	2,569.40	2,517.17	52.23	49.198		
15,000.00	12,740.00	12,734.19	10,418.00	59.45	53.82	25.35	-2,341.65	-770.24	2,569.40	2,516.28	53.12	48.370		
15,100.00	12,740.00	12,834.19	10,418.00	60.54	55.00	25.35	-2,441.64	-769.25	2,569.40	2,515.36	54.04	47.550		
15,200.00	12,740.00	12,934.19	10,418.00	61.65	56.20	25.35	-2,541.64	-768.26	2,569.40	2,514.42	54.97	46.741		
15,300.00	12,740.00	13,034.19	10,418.00	62.79	57.42	25.35	-2,641.63	-767.27	2,569.40	2,513.47	55.93	45.942		
15,400.00	12,740.00	13,134.19	10,418.00	63.94	58.67	25.35	-2,741.63	-766.27	2,569.40	2,512.49	56.90	45.155		
15,500.00	12,740.00	13,234.19	10,418.00	65.12	59.93	25.35	-2,841.62	-765.28	2,569.40	2,511.50	57.89	44.383		
15,600.00	12,740.00	13,334.19	10,418.00	66.32	61.22	25.35	-2,941.62	-764.29	2,569.40	2,510.50	58.90	43.624		
15,700.00	12,740.00	13,434.19	10,418.00	67.54	62.52	25.35	-3,041.61	-763.30	2,569.40	2,509.47	59.92	42.880		
15,800.00	12,740.00	13,534.19	10,418.00	68.78	63.83	25.35	-3,141.61	-762.30	2,569.40	2,508.44	60.96	42.151		
15,900.00	12,740.00	13,634.19	10,418.00	70.04	65.17	25.35	-3,241.60	-761.31	2,569.40	2,507.39	62.01	41.436		
16,000.00	12,740.00	13,734.19	10,418.00	71.31	66.51	25.35	-3,341.60	-760.32	2,569.40	2,506.32	63.07	40.736		
16,100.00	12,740.00	13,834.19	10,418.00	72.59	67.87	25.35	-3,441.59	-759.33	2,569.40	2,505.24	64.15	40.052		
16,200.00	12,740.00	13,934.19	10,418.00	73.89	69.24	25.35	-3,541.59	-758.33	2,569.40	2,504.16	65.24	39.384		
16,300.00	12,740.00	14,034.19	10,418.00	75.21	70.63	25.35	-3,641.58	-757.34	2,569.40	2,503.06	66.34	38.732		
16,400.00	12,740.00	14,134.19	10,418.00	76.53	72.02	25.35	-3,741.58	-756.35	2,569.40	2,501.95	67.45	38.094		
16,500.00	12,740.00	14,234.19	10,418.00	77.87	73.43	25.35	-3,841.57	-755.36	2,569.40	2,500.82	68.57	37.470		
16,600.00	12,740.00	14,334.19	10,418.00	79.22	74.84	25.35	-3,941.57	-754.36	2,569.40	2,499.69	69.70	36.863		
16,700.00	12,740.00	14,434.19	10,418.00	80.59	76.27	25.35	-4,041.56	-753.37	2,569.40	2,498.56	70.84	36.271		
16,800.00	12,740.00	14,534.19	10,418.00	81.96	77.70	25.35	-4,141.56	-752.38	2,569.40	2,497.41	71.99	35.693		
16,900.00	12,740.00	14,634.19	10,418.00	83.34	79.15	25.35	-4,241.55	-751.39	2,569.40	2,496.25	73.14	35.129		
17,000.00	12,740.00	14,734.19	10,418.00	84.74	80.60	25.35	-4,341.55	-750.39	2,569.40	2,495.09	74.31	34.579		
17,100.00	12,740.00	14,834.19	10,418.00	86.14	82.05	25.35	-4,441.54	-749.40	2,569.40	2,493.92	75.48	34.042		
17,200.00	12,740.00	14,934.19	10,418.00	87.55	83.52	25.35	-4,541.54	-748.41	2,569.40	2,492.74	76.66	33.518		
17,300.00	12,740.00	15,034.19	10,418.00	88.97	84.99	25.35	-4,641.53	-747.42	2,569.40	2,491.55	77.84	33.007		
17,400.00	12,740.00	15,134.19	10,418.00	90.39	86.47	25.35	-4,741.53	-746.42	2,569.40	2,490.36	79.03	32.511		
17,500.00	12,740.00	15,234.19	10,418.00	91.83	87.96	25.35	-4,841.52	-745.43	2,569.40	2,489.16	80.23	32.025		
17,600.00	12,740.00	15,334.19	10,418.00	93.27	89.45	25.35	-4,941.52	-744.44	2,569.40	2,487.96	81.43	31.552		
17,700.00	12,740.00	15,434.19	10,418.00	94.72	90.94	25.35	-5,041.51	-743.45	2,569.40	2,486.75	82.64	31.091		
17,800.00	12,740.00	15,534.19	10,418.00	96.17	92.44	25.35	-5,141.51	-742.45	2,569.40	2,485.54	83.85	30.641		
17,900.00	12,740.00	15,634.19	10,418.00	97.64	93.95	25.35	-5,241.50	-741.46	2,569.40	2,484.32	85.07	30.202		
18,000.00	12,740.00	15,734.19	10,418.00	99.10	95.46	25.35	-5,341.50	-740.47	2,569.40	2,483.10	86.30	29.774		
18,100.00	12,740.00	15,834.19	10,418.00	100.58	96.98	25.35	-5,441.49	-739.48	2,569.40	2,481.87	87.52	29.356		
18,200.00	12,740.00	15,934.19	10,418.00	102.05	98.50	25.35	-5,541.49	-738.48	2,569.40	2,480.64	88.76	28.948		
18,300.00	12,740.00	16,034.19	10,418.00	103.54	100.02	25.35	-5,641.48	-737.49	2,569.40	2,479.40	90.00	28.550		
18,400.00	12,740.00	16,134.19	10,418.00	105.03	101.55	25.35	-5,741.48	-736.50	2,569.40	2,478.16	91.24	28.162		
18,500.00	12,740.00	16,234.19	10,418.00	106.52	103.08	25.35	-5,841.47	-735.51	2,569.40	2,476.92	92.48	27.783		
18,600.00	12,740.00	16,334.19	10,418.00	108.02	104.62	25.35	-5,941.47	-734.51	2,569.40	2,475.67	93.73	27.413		
18,700.00	12,740.00	16,434.19	10,418.00	109.52	106.16	25.35	-6,041.47	-733.52	2,569.40	2,474.42	94.98	27.052		
18,800.00	12,740.00	16,534.19	10,418.00	111.03	107.70	25.35	-6,141.46	-732.53	2,569.40	2,473.16	96.23	26.700		
18,900.00	12,740.00	16,634.19	10,418.00	112.54	109.24	25.35	-6,241.46	-731.54	2,569.40	2,471.91	97.49	26.356		
19,000.00	12,740.00	16,734.19	10,418.00	114.05	110.79	25.35	-6,341.45	-730.54	2,569.40	2,470.65	98.75	26.019		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 503H - OH - Plan #1		Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
19,100.00	12,740.00	16,834.19	10,418.00	115.57	112.35	25.35	-6,441.45	-729.55	2,569.40	2,469.38	100.01	25.691				
19,200.00	12,740.00	16,934.19	10,418.00	117.09	113.90	25.35	-6,541.44	-728.56	2,569.40	2,468.12	101.28	25.369				
19,300.00	12,740.00	17,034.19	10,418.00	118.62	115.46	25.35	-6,641.44	-727.57	2,569.40	2,466.85	102.55	25.055				
19,400.00	12,740.00	17,134.19	10,418.00	120.15	117.02	25.35	-6,741.43	-726.57	2,569.40	2,465.57	103.82	24.748				
19,500.00	12,740.00	17,234.19	10,418.00	121.68	118.58	25.35	-6,841.43	-725.58	2,569.40	2,464.30	105.10	24.448				
19,600.00	12,740.00	17,334.19	10,418.00	123.21	120.14	25.35	-6,941.42	-724.59	2,569.40	2,463.02	106.37	24.155				
19,700.00	12,740.00	17,434.19	10,418.00	124.75	121.71	25.35	-7,041.42	-723.60	2,569.40	2,461.75	107.65	23.868				
19,800.00	12,740.00	17,534.19	10,418.00	126.29	123.28	25.35	-7,141.41	-722.60	2,569.40	2,460.47	108.93	23.588				
19,900.00	12,740.00	17,634.19	10,418.00	127.84	124.85	25.35	-7,241.41	-721.61	2,569.40	2,459.19	110.21	23.314				
20,000.00	12,740.00	17,734.19	10,418.00	129.38	126.42	25.35	-7,341.40	-720.62	2,569.40	2,457.90	111.49	23.046				
20,100.00	12,740.00	17,834.19	10,418.00	130.93	128.00	25.35	-7,441.40	-719.63	2,569.40	2,456.62	112.78	22.783				
20,200.00	12,740.00	17,934.19	10,418.00	132.48	129.58	25.35	-7,541.39	-718.63	2,569.40	2,455.33	114.07	22.526				
20,300.00	12,740.00	18,034.19	10,418.00	134.04	131.15	25.35	-7,641.39	-717.64	2,569.40	2,454.04	115.36	22.274				
20,400.00	12,740.00	18,134.19	10,418.00	135.59	132.73	25.35	-7,741.38	-716.65	2,569.40	2,452.75	116.65	22.027				
20,500.00	12,740.00	18,234.19	10,418.00	137.15	134.32	25.35	-7,841.38	-715.66	2,569.40	2,451.45	117.94	21.785				
20,600.00	12,740.00	18,334.19	10,418.00	138.71	135.90	25.35	-7,941.37	-714.66	2,569.40	2,450.16	119.24	21.549				
20,700.00	12,740.00	18,434.19	10,418.00	140.27	137.49	25.35	-8,041.37	-713.67	2,569.40	2,448.86	120.53	21.317				
20,800.00	12,740.00	18,534.19	10,418.00	141.84	139.07	25.35	-8,141.36	-712.68	2,569.40	2,447.57	121.83	21.091				
20,900.00	12,740.00	18,634.19	10,418.00	143.41	140.66	25.35	-8,241.36	-711.69	2,569.40	2,446.27	123.12	20.869				
21,000.00	12,740.00	18,734.19	10,418.00	144.97	142.25	25.35	-8,341.35	-710.69	2,569.40	2,444.97	124.42	20.651				
21,100.00	12,740.00	18,834.19	10,418.00	146.54	143.84	25.35	-8,441.35	-709.70	2,569.40	2,443.67	125.72	20.437				
21,200.00	12,740.00	18,934.19	10,418.00	148.12	145.44	25.35	-8,541.34	-708.71	2,569.40	2,442.37	127.02	20.228				
21,300.00	12,740.00	19,034.19	10,418.00	149.69	147.03	25.35	-8,641.34	-707.72	2,569.40	2,441.07	128.33	20.023				
21,400.00	12,740.00	19,134.19	10,418.00	151.26	148.63	25.35	-8,741.33	-706.72	2,569.40	2,439.77	129.63	19.821				
21,500.00	12,740.00	19,234.19	10,418.00	152.84	150.22	25.35	-8,841.33	-705.73	2,569.40	2,438.46	130.94	19.623				
21,600.00	12,740.00	19,334.19	10,418.00	154.42	151.82	25.35	-8,941.32	-704.74	2,569.40	2,437.15	132.24	19.429				
21,700.00	12,740.00	19,434.19	10,418.00	156.00	153.42	25.35	-9,041.32	-703.75	2,569.40	2,435.85	133.55	19.239				
21,800.00	12,740.00	19,534.19	10,418.00	157.58	155.02	25.35	-9,141.31	-702.75	2,569.40	2,434.54	134.85	19.053				
21,900.00	12,740.00	19,634.19	10,418.00	159.16	156.62	25.35	-9,241.31	-701.76	2,569.40	2,433.23	136.16	18.870				
22,000.00	12,740.00	19,734.19	10,418.00	160.75	158.22	25.35	-9,341.30	-700.77	2,569.40	2,431.93	137.47	18.691				
22,100.00	12,740.00	19,834.19	10,418.00	162.33	159.82	25.35	-9,441.30	-699.78	2,569.40	2,430.62	138.78	18.514				
22,200.00	12,740.00	19,934.19	10,418.00	163.92	161.43	25.35	-9,541.29	-698.78	2,569.40	2,429.31	140.09	18.341				
22,300.00	12,740.00	20,034.19	10,418.00	165.51	163.03	25.35	-9,641.29	-697.79	2,569.40	2,428.00	141.40	18.171				
22,400.00	12,740.00	20,134.19	10,418.00	167.10	164.64	25.35	-9,741.28	-696.80	2,569.40	2,426.68	142.71	18.004				
22,500.00	12,740.00	20,234.19	10,418.00	168.69	166.25	25.35	-9,841.28	-695.81	2,569.40	2,425.37	144.03	17.840				
22,600.00	12,740.00	20,334.19	10,418.00	170.28	167.85	25.35	-9,941.27	-694.81	2,569.40	2,424.06	145.34	17.679				
22,700.00	12,740.00	20,434.19	10,418.00	171.87	169.46	25.35	-10,041.27	-693.82	2,569.40	2,422.74	146.65	17.520				
22,800.00	12,740.00	20,534.19	10,418.00	173.47	171.07	25.35	-10,141.26	-692.83	2,569.40	2,421.43	147.97	17.365				
22,874.14	12,740.00	20,608.33	10,418.00	174.65	172.27	25.35	-10,215.40	-692.09	2,569.40	2,420.45	148.94	17.251				

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

7/17/2021 12:24:44AM

Page 71

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 504H - OH - Plan #1		Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD															Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
19,100.00	12,740.00	16,753.55	10,350.00	115.57	112.12	-9.49	-6,426.53	770.11	2,423.19	2,338.90	84.29	28.749					
19,200.00	12,740.00	16,853.55	10,350.00	117.09	113.68	-9.49	-6,526.52	771.11	2,423.19	2,337.86	85.33	28.398					
19,300.00	12,740.00	16,953.55	10,350.00	118.62	115.23	-9.49	-6,626.52	772.11	2,423.19	2,336.82	86.38	28.054					
19,400.00	12,740.00	17,053.55	10,350.00	120.15	116.80	-9.49	-6,726.51	773.11	2,423.19	2,335.77	87.42	27.717					
19,500.00	12,740.00	17,153.55	10,350.00	121.68	118.36	-9.49	-6,826.51	774.12	2,423.20	2,334.72	88.48	27.388					
19,600.00	12,740.00	17,253.55	10,350.00	123.21	119.93	-9.49	-6,926.50	775.12	2,423.20	2,333.67	89.53	27.066					
19,700.00	12,740.00	17,353.55	10,350.00	124.75	121.50	-9.50	-7,026.50	776.12	2,423.20	2,332.61	90.59	26.751					
19,800.00	12,740.00	17,453.55	10,350.00	126.29	123.07	-9.50	-7,126.49	777.12	2,423.20	2,331.56	91.64	26.442					
19,900.00	12,740.00	17,553.55	10,350.00	127.84	124.64	-9.50	-7,226.49	778.12	2,423.20	2,330.50	92.70	26.140					
20,000.00	12,740.00	17,653.55	10,350.00	129.38	126.21	-9.50	-7,326.48	779.12	2,423.20	2,329.44	93.76	25.844					
20,100.00	12,740.00	17,753.55	10,350.00	130.93	127.79	-9.50	-7,426.48	780.12	2,423.20	2,328.38	94.82	25.555					
20,200.00	12,740.00	17,853.55	10,350.00	132.48	129.37	-9.50	-7,526.47	781.12	2,423.21	2,327.32	95.89	25.271					
20,300.00	12,740.00	17,953.55	10,350.00	134.04	130.95	-9.50	-7,626.47	782.13	2,423.21	2,326.25	96.96	24.993					
20,400.00	12,740.00	18,053.55	10,350.00	135.59	132.53	-9.50	-7,726.46	783.13	2,423.21	2,325.18	98.02	24.720					
20,500.00	12,740.00	18,153.55	10,350.00	137.15	134.12	-9.50	-7,826.46	784.13	2,423.21	2,324.12	99.10	24.453					
20,600.00	12,740.00	18,253.55	10,350.00	138.71	135.70	-9.50	-7,926.45	785.13	2,423.21	2,323.04	100.17	24.192					
20,700.00	12,740.00	18,353.55	10,350.00	140.27	137.29	-9.50	-8,026.45	786.13	2,423.21	2,321.97	101.24	23.935					
20,800.00	12,740.00	18,453.55	10,350.00	141.84	138.88	-9.50	-8,126.44	787.13	2,423.21	2,320.90	102.32	23.683					
20,900.00	12,740.00	18,553.55	10,350.00	143.41	140.47	-9.50	-8,226.44	788.13	2,423.22	2,319.82	103.39	23.437					
21,000.00	12,740.00	18,653.55	10,350.00	144.97	142.06	-9.50	-8,326.43	789.14	2,423.22	2,318.74	104.47	23.195					
21,100.00	12,740.00	18,753.55	10,350.00	146.54	143.65	-9.50	-8,426.43	790.14	2,423.22	2,317.66	105.55	22.957					
21,200.00	12,740.00	18,853.55	10,350.00	148.12	145.25	-9.50	-8,526.42	791.14	2,423.22	2,316.58	106.64	22.724					
21,300.00	12,740.00	18,953.55	10,350.00	149.69	146.84	-9.50	-8,626.42	792.14	2,423.22	2,315.50	107.72	22.496					
21,400.00	12,740.00	19,053.55	10,350.00	151.26	148.44	-9.50	-8,726.41	793.14	2,423.22	2,314.42	108.80	22.271					
21,500.00	12,740.00	19,153.55	10,350.00	152.84	150.04	-9.50	-8,826.41	794.14	2,423.22	2,313.33	109.89	22.051					
21,600.00	12,740.00	19,253.55	10,350.00	154.42	151.64	-9.50	-8,926.40	795.14	2,423.23	2,312.25	110.98	21.835					
21,700.00	12,740.00	19,353.55	10,350.00	156.00	153.24	-9.50	-9,026.40	796.14	2,423.23	2,311.16	112.07	21.623					
21,800.00	12,740.00	19,453.55	10,350.00	157.58	154.84	-9.50	-9,126.39	797.15	2,423.23	2,310.07	113.16	21.415					
21,900.00	12,740.00	19,553.55	10,350.00	159.16	156.44	-9.50	-9,226.39	798.15	2,423.23	2,308.99	114.25	21.211					
22,000.00	12,740.00	19,653.55	10,350.00	160.75	158.04	-9.50	-9,326.38	799.15	2,423.23	2,307.90	115.34	21.010					
22,100.00	12,740.00	19,753.55	10,350.00	162.33	159.65	-9.50	-9,426.38	800.15	2,423.23	2,306.81	116.43	20.813					
22,200.00	12,740.00	19,853.55	10,350.00	163.92	161.25	-9.50	-9,526.37	801.15	2,423.23	2,305.72	117.52	20.620					
22,300.00	12,740.00	19,953.55	10,350.00	165.51	162.86	-9.50	-9,626.37	802.15	2,423.24	2,304.62	118.61	20.430					
22,400.00	12,740.00	20,053.55	10,350.00	167.10	164.47	-9.50	-9,726.36	803.15	2,423.24	2,303.53	119.71	20.243					
22,500.00	12,740.00	20,153.55	10,350.00	168.69	166.07	-9.50	-9,826.36	804.15	2,423.24	2,302.44	120.80	20.060					
22,600.00	12,740.00	20,253.55	10,350.00	170.28	167.68	-9.50	-9,926.35	805.16	2,423.24	2,301.34	121.90	19.879					
22,700.00	12,740.00	20,353.55	10,350.00	171.87	169.29	-9.50	-10,026.35	806.16	2,423.24	2,300.25	122.99	19.702					
22,800.00	12,740.00	20,453.55	10,350.00	173.47	170.90	-9.50	-10,126.34	807.16	2,423.24	2,299.15	124.09	19.528					
22,874.14	12,740.00	20,527.68	10,350.00	174.65	172.10	-9.50	-10,200.47	807.90	2,423.24	2,298.34	124.91	19.400					

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - Paul Foster Fed Com 804H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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	
0.00	0.00	0.00	0.00	0.00	0.00	-90.54	-0.24	-25.09	25.09					
100.00	100.00	100.00	100.00	0.13	0.13	-90.54	-0.24	-25.09	25.09	24.91	0.18	141.406		
200.00	200.00	200.00	200.00	0.48	0.48	-90.54	-0.24	-25.09	25.09	24.41	0.68	36.661		
300.00	300.00	300.00	300.00	0.84	0.84	-90.54	-0.24	-25.09	25.09	23.90	1.19	21.061		
400.00	400.00	400.00	400.00	1.20	1.20	-90.54	-0.24	-25.09	25.09	23.39	1.70	14.774		
500.00	500.00	500.00	500.00	1.56	1.56	-90.54	-0.24	-25.09	25.09	22.89	2.21	11.378		
600.00	600.00	600.00	600.00	1.92	1.92	-90.54	-0.24	-25.09	25.09	22.38	2.71	9.251		
700.00	700.00	700.00	700.00	2.28	2.28	-90.54	-0.24	-25.09	25.09	21.87	3.22	7.794		
800.00	800.00	800.00	800.00	2.63	2.63	-90.54	-0.24	-25.09	25.09	21.36	3.73	6.734		
900.00	900.00	900.00	900.00	2.99	2.99	-90.54	-0.24	-25.09	25.09	20.86	4.23	5.927		
1,000.00	1,000.00	1,000.00	1,000.00	3.35	3.35	-90.54	-0.24	-25.09	25.09	20.35	4.74	5.293		
1,100.00	1,100.00	1,100.00	1,100.00	3.71	3.71	-90.54	-0.24	-25.09	25.09	19.84	5.25	4.782		
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	-90.54	-0.24	-25.09	25.09	19.34	5.75	4.361		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	-90.54	-0.24	-25.09	25.09	18.83	6.26	4.007		
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	-90.54	-0.24	-25.09	25.09	18.32	6.77	3.707		
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	-90.54	-0.24	-25.09	25.09	17.82	7.27	3.449		
1,600.00	1,600.00	1,600.00	1,600.00	5.50	5.50	-90.54	-0.24	-25.09	25.09	17.31	7.78	3.224		
1,700.00	1,700.00	1,700.00	1,700.00	5.86	5.86	-90.54	-0.24	-25.09	25.09	16.80	8.29	3.027		
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	-90.54	-0.24	-25.09	25.09	16.29	8.80	2.853		
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	-90.54	-0.24	-25.09	25.09	15.79	9.30	2.697		
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	-90.54	-0.24	-25.09	25.09	15.28	9.81	2.558 CC, ES		
2,100.00	2,100.00	2,099.35	2,099.34	7.29	7.29	-89.77	0.11	-26.33	26.34	16.04	10.31	2.556 SF		
2,200.00	2,200.00	2,198.57	2,198.48	7.65	7.63	-87.84	1.13	-30.06	30.12	19.33	10.79	2.792		
2,300.00	2,299.99	2,297.43	2,297.13	8.01	7.98	-148.41	2.84	-36.25	37.58	26.31	11.26	3.336		
2,400.00	2,399.91	2,395.59	2,394.88	8.36	8.32	-148.52	5.20	-44.82	49.77	38.04	11.73	4.243		
2,471.49	2,471.26	2,465.24	2,464.09	8.61	8.57	-149.00	7.28	-52.37	61.35	49.29	12.06	5.088		
2,500.00	2,499.70	2,493.30	2,491.95	8.71	8.67	-149.25	8.17	-55.61	66.41	54.21	12.20	5.444		
2,600.00	2,599.45	2,591.71	2,589.65	9.06	9.03	-149.89	11.30	-66.97	84.14	71.45	12.69	6.631		
2,700.00	2,699.19	2,690.12	2,687.36	9.42	9.39	-150.31	14.43	-78.34	101.87	88.69	13.18	7.729		
2,800.00	2,798.94	2,788.54	2,785.06	9.78	9.75	-150.61	17.56	-89.70	119.61	105.94	13.67	8.748		
2,900.00	2,898.69	2,886.95	2,882.76	10.13	10.12	-150.83	20.69	-101.07	137.35	123.19	14.17	9.696		
3,000.00	2,998.44	2,985.36	2,980.47	10.49	10.49	-151.00	23.82	-112.44	155.10	140.44	14.66	10.579		
3,100.00	3,098.18	3,083.77	3,078.17	10.85	10.86	-151.13	26.95	-123.80	172.84	157.69	15.16	11.404		
3,200.00	3,197.93	3,182.19	3,175.87	11.22	11.23	-151.24	30.08	-135.17	190.59	174.93	15.65	12.176		
3,300.00	3,297.68	3,280.60	3,273.58	11.58	11.61	-151.33	33.21	-146.54	208.33	192.18	16.15	12.900		
3,400.00	3,397.43	3,379.01	3,371.28	11.94	11.98	-151.41	36.34	-157.90	226.08	209.43	16.65	13.579		
3,500.00	3,497.17	3,477.42	3,468.98	12.30	12.36	-151.47	39.48	-169.27	243.83	226.68	17.15	14.219		
3,600.00	3,596.92	3,575.83	3,566.69	12.67	12.74	-151.53	42.61	-180.63	261.57	243.93	17.65	14.822		
3,700.00	3,696.67	3,674.25	3,664.39	13.03	13.12	-151.58	45.74	-192.00	279.32	261.17	18.15	15.391		
3,800.00	3,796.42	3,772.66	3,762.09	13.40	13.50	-151.62	48.87	-203.37	297.07	278.42	18.65	15.929		
3,900.00	3,896.16	3,871.07	3,859.80	13.76	13.88	-151.66	52.00	-214.73	314.82	295.66	19.15	16.439		
4,000.00	3,995.91	3,969.48	3,957.50	14.13	14.26	-151.69	55.13	-226.10	332.56	312.91	19.65	16.922		
4,100.00	4,095.66	4,067.90	4,055.21	14.50	14.65	-151.73	58.26	-237.46	350.31	330.16	20.16	17.380		
4,200.00	4,195.41	4,166.31	4,152.91	14.86	15.03	-151.75	61.39	-248.83	368.06	347.40	20.66	17.816		
4,300.00	4,295.15	4,264.72	4,250.61	15.23	15.42	-151.78	64.52	-260.20	385.81	364.64	21.16	18.231		
4,400.00	4,394.90	4,363.13	4,348.32	15.60	15.80	-151.80	67.65	-271.56	403.56	381.89	21.67	18.626		
4,500.00	4,494.65	4,461.55	4,446.02	15.97	16.19	-151.82	70.78	-282.93	421.30	399.13	22.17	19.003		
4,600.00	4,594.40	4,559.96	4,543.72	16.34	16.58	-151.84	73.91	-294.29	439.05	416.38	22.68	19.362		
4,700.00	4,694.15	4,658.37	4,641.43	16.70	16.97	-151.86	77.04	-305.66	456.80	433.62	23.18	19.706		
4,800.00	4,793.89	4,756.78	4,739.13	17.07	17.35	-151.88	80.17	-317.03	474.55	450.86	23.69	20.035		
4,900.00	4,893.64	4,855.19	4,836.83	17.44	17.74	-151.89	83.30	-328.39	492.30	468.10	24.19	20.350		
5,000.00	4,993.39	4,953.61	4,934.54	17.81	18.13	-151.91	86.44	-339.76	510.04	485.35	24.70	20.652		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
10,100.00	10,087.93	10,122.37	10,087.93	36.12	36.95	-90.40	156.76	-595.09	900.11	849.46	50.65	17.771		
10,200.00	10,187.93	10,222.37	10,187.93	36.48	37.29	-90.40	156.76	-595.09	900.11	848.96	51.15	17.598		
10,300.00	10,287.93	10,322.37	10,287.93	36.83	37.64	-90.40	156.76	-595.09	900.11	848.46	51.65	17.428		
10,400.00	10,387.93	10,422.37	10,387.93	37.18	37.98	-90.40	156.76	-595.09	900.11	847.96	52.15	17.261		
10,500.00	10,487.93	10,522.37	10,487.93	37.53	38.32	-90.40	156.76	-595.09	900.11	847.46	52.65	17.097		
10,600.00	10,587.93	10,622.37	10,587.93	37.89	38.67	-90.40	156.76	-595.09	900.11	846.96	53.15	16.936		
10,700.00	10,687.93	10,722.37	10,687.93	38.24	39.01	-90.40	156.76	-595.09	900.11	846.46	53.65	16.779		
10,800.00	10,787.93	10,822.37	10,787.93	38.59	39.36	-90.40	156.76	-595.09	900.11	845.97	54.15	16.624		
10,900.00	10,887.93	10,922.37	10,887.93	38.94	39.70	-90.40	156.76	-595.09	900.11	845.47	54.65	16.472		
11,000.00	10,987.93	11,022.37	10,987.93	39.30	40.05	-90.40	156.76	-595.09	900.11	844.97	55.15	16.323		
11,100.00	11,087.93	11,122.37	11,087.93	39.65	40.39	-90.40	156.76	-595.09	900.11	844.47	55.65	16.176		
11,200.00	11,187.93	11,222.37	11,187.93	40.00	40.74	-90.40	156.76	-595.09	900.11	843.97	56.15	16.032		
11,300.00	11,287.93	11,322.37	11,287.93	40.36	41.09	-90.40	156.76	-595.09	900.11	843.46	56.65	15.890		
11,400.00	11,387.93	11,422.37	11,387.93	40.71	41.43	-90.40	156.76	-595.09	900.11	842.96	57.15	15.751		
11,500.00	11,487.93	11,522.37	11,487.93	41.07	41.78	-90.40	156.76	-595.09	900.11	842.46	57.65	15.614		
11,600.00	11,587.93	11,622.37	11,587.93	41.42	42.13	-90.40	156.76	-595.09	900.11	841.96	58.15	15.480		
11,700.00	11,687.93	11,722.37	11,687.93	41.77	42.47	-90.40	156.76	-595.09	900.11	841.46	58.65	15.348		
11,800.00	11,787.93	11,822.37	11,787.93	42.13	42.82	-90.40	156.76	-595.09	900.11	840.96	59.15	15.218		
11,893.81	11,881.75	11,916.27	11,881.75	42.46	43.13	-90.57	154.05	-595.06	900.11	840.50	59.61	15.100		
11,900.00	11,887.93	11,922.42	11,887.87	42.48	43.15	-90.61	153.42	-595.06	900.11	840.47	59.64	15.092		
12,000.00	11,987.93	12,018.97	11,982.52	42.83	43.44	-91.78	134.98	-594.87	900.32	840.22	60.10	14.979		
12,100.00	12,087.93	12,107.15	12,065.17	43.19	43.68	-93.72	104.48	-594.57	901.76	841.23	60.53	14.897		
12,179.11	12,167.04	12,169.27	12,120.10	43.47	43.83	-95.55	75.55	-594.28	904.74	843.92	60.82	14.875		
12,200.00	12,187.93	12,184.65	12,133.19	43.54	43.86	84.41	67.48	-594.20	905.88	844.99	60.89	14.878		
12,250.00	12,237.75	12,220.87	12,163.13	43.70	43.94	82.97	47.11	-594.00	909.00	847.99	61.01	14.899		
12,300.00	12,287.04	12,256.33	12,191.15	43.85	44.01	81.56	25.38	-593.78	912.60	851.49	61.11	14.935		
12,350.00	12,335.41	12,291.15	12,217.29	44.00	44.07	80.20	2.39	-593.55	916.58	855.41	61.17	14.984		
12,400.00	12,382.50	12,325.41	12,241.60	44.14	44.13	78.88	-21.74	-593.31	920.83	859.63	61.20	15.046		
12,450.00	12,427.95	12,359.18	12,264.12	44.27	44.18	77.62	-46.90	-593.06	925.26	864.05	61.21	15.117		
12,500.00	12,471.42	12,392.53	12,284.86	44.39	44.23	76.43	-73.01	-592.80	929.77	868.58	61.19	15.196		
12,550.00	12,512.57	12,425.52	12,303.84	44.50	44.27	75.30	-99.98	-592.54	934.26	873.11	61.14	15.280		
12,600.00	12,551.09	12,458.19	12,321.09	44.59	44.31	74.26	-127.72	-592.26	938.64	877.55	61.09	15.365		
12,650.00	12,586.68	12,490.59	12,336.60	44.68	44.35	73.31	-156.16	-591.98	942.84	881.81	61.03	15.449		
12,700.00	12,619.09	12,522.75	12,350.38	44.76	44.39	72.45	-185.21	-591.69	946.78	885.81	60.97	15.529		
12,750.00	12,648.05	12,550.00	12,360.77	44.84	44.43	71.74	-210.40	-591.44	950.41	889.53	60.89	15.610		
12,800.00	12,673.35	12,586.51	12,372.79	44.93	44.48	71.01	-244.86	-591.09	953.62	892.75	60.87	15.666		
12,850.00	12,694.80	12,618.16	12,381.41	45.04	44.53	70.45	-275.32	-590.79	956.40	895.55	60.85	15.717		
12,900.00	12,712.23	12,650.00	12,388.38	45.16	44.59	69.99	-306.38	-590.48	958.70	897.85	60.86	15.753		
12,950.00	12,725.51	12,681.17	12,393.52	45.28	44.65	69.64	-337.12	-590.18	960.49	899.59	60.90	15.773		
13,000.00	12,734.55	12,712.57	12,397.00	45.41	44.72	69.41	-368.32	-589.87	961.72	900.76	60.97	15.775		
13,050.00	12,739.26	12,750.00	12,398.90	45.54	44.81	69.27	-405.69	-589.50	962.43	901.35	61.08	15.756		
13,079.11	12,740.00	12,763.19	12,399.00	45.62	44.84	69.25	-418.88	-589.36	962.52	901.37	61.15	15.740		
13,100.00	12,740.00	12,784.09	12,399.00	45.68	44.89	69.25	-439.77	-589.16	962.52	901.30	61.23	15.721		
13,200.00	12,740.00	12,884.09	12,399.00	45.98	45.19	69.25	-539.77	-588.16	962.52	900.89	61.63	15.617		
13,300.00	12,740.00	12,984.09	12,399.00	46.34	45.56	69.25	-639.76	-587.17	962.52	900.41	62.11	15.497		
13,400.00	12,740.00	13,084.09	12,399.00	46.75	45.98	69.25	-739.76	-586.17	962.52	899.85	62.67	15.359		
13,500.00	12,740.00	13,184.09	12,399.00	47.22	46.45	69.25	-839.75	-585.18	962.52	899.22	63.29	15.207		
13,600.00	12,740.00	13,284.09	12,399.00	47.73	46.98	69.25	-939.75	-584.18	962.51	898.53	63.99	15.042		
13,700.00	12,740.00	13,384.09	12,399.00	48.30	47.56	69.25	-1,039.74	-583.19	962.51	897.76	64.75	14.864		
13,800.00	12,740.00	13,484.09	12,399.00	48.92	48.19	69.25	-1,139.74	-582.20	962.51	896.93	65.58	14.676		
13,900.00	12,740.00	13,584.09	12,399.00	49.58	48.86	69.25	-1,239.73	-581.20	962.51	896.03	66.48	14.479		
14,000.00	12,740.00	13,684.09	12,399.00	50.29	49.59	69.25	-1,339.73	-580.21	962.51	895.08	67.43	14.274		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 804H - OH - Plan #1		Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
14,100.00	12,740.00	13,784.09	12,399.00	51.04	50.35	69.25	-1,439.72	-579.21	962.51	894.06	68.44	14.063				
14,200.00	12,740.00	13,884.09	12,399.00	51.83	51.16	69.25	-1,539.72	-578.22	962.50	892.99	69.51	13.847				
14,300.00	12,740.00	13,984.09	12,399.00	52.66	52.00	69.25	-1,639.71	-577.22	962.50	891.87	70.63	13.628				
14,400.00	12,740.00	14,084.09	12,399.00	53.53	52.89	69.25	-1,739.71	-576.23	962.50	890.70	71.80	13.405				
14,500.00	12,740.00	14,184.09	12,399.00	54.44	53.81	69.25	-1,839.70	-575.23	962.50	889.48	73.02	13.182				
14,600.00	12,740.00	14,284.09	12,399.00	55.38	54.76	69.25	-1,939.70	-574.24	962.50	888.21	74.28	12.957				
14,700.00	12,740.00	14,384.09	12,399.00	56.35	55.75	69.25	-2,039.69	-573.25	962.49	886.91	75.59	12.733				
14,800.00	12,740.00	14,484.09	12,399.00	57.35	56.76	69.25	-2,139.69	-572.25	962.49	885.56	76.94	12.510				
14,900.00	12,740.00	14,584.09	12,399.00	58.39	57.81	69.25	-2,239.68	-571.26	962.49	884.17	78.32	12.289				
15,000.00	12,740.00	14,684.09	12,399.00	59.45	58.88	69.25	-2,339.68	-570.26	962.49	882.74	79.75	12.069				
15,100.00	12,740.00	14,784.09	12,399.00	60.54	59.98	69.25	-2,439.67	-569.27	962.49	881.28	81.20	11.853				
15,200.00	12,740.00	14,884.09	12,399.00	61.65	61.11	69.25	-2,539.67	-568.27	962.49	879.79	82.70	11.639				
15,300.00	12,740.00	14,984.09	12,399.00	62.79	62.26	69.25	-2,639.66	-567.28	962.48	878.27	84.22	11.428				
15,400.00	12,740.00	15,084.09	12,399.00	63.94	63.43	69.25	-2,739.66	-566.28	962.48	876.71	85.77	11.222				
15,500.00	12,740.00	15,184.09	12,399.00	65.12	64.62	69.25	-2,839.65	-565.29	962.48	875.13	87.35	11.019				
15,600.00	12,740.00	15,284.09	12,399.00	66.32	65.83	69.25	-2,939.65	-564.29	962.48	873.52	88.95	10.820				
15,700.00	12,740.00	15,384.09	12,399.00	67.54	67.06	69.25	-3,039.65	-563.30	962.48	871.89	90.58	10.625				
15,800.00	12,740.00	15,484.09	12,399.00	68.78	68.31	69.25	-3,139.64	-562.31	962.47	870.23	92.24	10.435				
15,900.00	12,740.00	15,584.09	12,399.00	70.04	69.57	69.25	-3,239.64	-561.31	962.47	868.56	93.92	10.248				
16,000.00	12,740.00	15,684.09	12,399.00	71.31	70.85	69.25	-3,339.63	-560.32	962.47	866.86	95.61	10.066				
16,100.00	12,740.00	15,784.09	12,399.00	72.59	72.15	69.25	-3,439.63	-559.32	962.47	865.14	97.33	9.889				
16,200.00	12,740.00	15,884.09	12,399.00	73.89	73.46	69.25	-3,539.62	-558.33	962.47	863.40	99.07	9.715				
16,300.00	12,740.00	15,984.09	12,399.00	75.21	74.78	69.25	-3,639.62	-557.33	962.47	861.64	100.82	9.546				
16,400.00	12,740.00	16,084.09	12,399.00	76.53	76.12	69.25	-3,739.61	-556.34	962.46	859.87	102.59	9.381				
16,500.00	12,740.00	16,184.09	12,399.00	77.87	77.46	69.25	-3,839.61	-555.34	962.46	858.08	104.38	9.221				
16,600.00	12,740.00	16,284.09	12,399.00	79.22	78.82	69.25	-3,939.60	-554.35	962.46	856.28	106.18	9.064				
16,700.00	12,740.00	16,384.09	12,399.00	80.59	80.20	69.25	-4,039.60	-553.36	962.46	854.46	108.00	8.912				
16,800.00	12,740.00	16,484.09	12,399.00	81.96	81.58	69.25	-4,139.59	-552.36	962.46	852.63	109.83	8.763				
16,900.00	12,740.00	16,584.09	12,399.00	83.34	82.97	69.25	-4,239.59	-551.37	962.45	850.78	111.67	8.619				
17,000.00	12,740.00	16,684.09	12,399.00	84.74	84.37	69.25	-4,339.58	-550.37	962.45	848.93	113.53	8.478				
17,100.00	12,740.00	16,784.09	12,399.00	86.14	85.78	69.25	-4,439.58	-549.38	962.45	847.06	115.39	8.341				
17,200.00	12,740.00	16,884.09	12,399.00	87.55	87.19	69.25	-4,539.57	-548.38	962.45	845.18	117.27	8.207				
17,300.00	12,740.00	16,984.09	12,399.00	88.97	88.62	69.25	-4,639.57	-547.39	962.45	843.29	119.16	8.077				
17,400.00	12,740.00	17,084.09	12,399.00	90.39	90.05	69.25	-4,739.56	-546.39	962.44	841.39	121.06	7.950				
17,500.00	12,740.00	17,184.09	12,399.00	91.83	91.49	69.25	-4,839.56	-545.40	962.44	839.48	122.97	7.827				
17,600.00	12,740.00	17,284.09	12,399.00	93.27	92.94	69.25	-4,939.55	-544.41	962.44	837.56	124.88	7.707				
17,700.00	12,740.00	17,384.09	12,399.00	94.72	94.40	69.25	-5,039.55	-543.41	962.44	835.63	126.81	7.590				
17,800.00	12,740.00	17,484.09	12,399.00	96.17	95.86	69.25	-5,139.54	-542.42	962.44	833.69	128.74	7.476				
17,900.00	12,740.00	17,584.09	12,399.00	97.64	97.32	69.25	-5,239.54	-541.42	962.44	831.75	130.68	7.365				
18,000.00	12,740.00	17,684.09	12,399.00	99.10	98.80	69.25	-5,339.53	-540.43	962.43	829.80	132.63	7.256				
18,100.00	12,740.00	17,784.09	12,399.00	100.58	100.28	69.25	-5,439.53	-539.43	962.43	827.84	134.59	7.151				
18,200.00	12,740.00	17,884.09	12,399.00	102.05	101.76	69.25	-5,539.52	-538.44	962.43	825.88	136.55	7.048				
18,300.00	12,740.00	17,984.09	12,399.00	103.54	103.25	69.25	-5,639.52	-537.44	962.43	823.91	138.52	6.948				
18,400.00	12,740.00	18,084.09	12,399.00	105.03	104.74	69.25	-5,739.51	-536.45	962.43	821.93	140.50	6.850				
18,500.00	12,740.00	18,184.09	12,399.00	106.52	106.24	69.25	-5,839.51	-535.46	962.42	819.95	142.48	6.755				
18,600.00	12,740.00	18,284.09	12,399.00	108.02	107.74	69.25	-5,939.50	-534.46	962.42	817.96	144.46	6.662				
18,700.00	12,740.00	18,384.09	12,399.00	109.52	109.25	69.25	-6,039.50	-533.47	962.42	815.97	146.45	6.571				
18,800.00	12,740.00	18,484.09	12,399.00	111.03	110.76	69.25	-6,139.49	-532.47	962.42	813.97	148.45	6.483				
18,900.00	12,740.00	18,584.09	12,399.00	112.54	112.28	69.25	-6,239.49	-531.48	962.42	811.96	150.45	6.397				
19,000.00	12,740.00	18,684.09	12,399.00	114.05	113.79	69.25	-6,339.48	-530.48	962.42	809.96	152.46	6.313				
19,100.00	12,740.00	18,784.09	12,399.00	115.57	115.32	69.25	-6,439.48	-529.49	962.41	807.94	154.47	6.230				
19,200.00	12,740.00	18,884.09	12,399.00	117.09	116.84	69.25	-6,539.47	-528.49	962.41	805.93	156.49	6.150				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 804H - OH - Plan #1		Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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					
19,300.00	12,740.00	18,984.09	12,399.00	118.62	118.37	69.25	-6,639.47	-527.50	962.41	803.91	158.50	6.072					
19,400.00	12,740.00	19,084.09	12,399.00	120.15	119.91	69.25	-6,739.46	-526.51	962.41	801.88	160.53	5.995					
19,500.00	12,740.00	19,184.09	12,399.00	121.68	121.44	69.25	-6,839.46	-525.51	962.41	799.85	162.55	5.921					
19,600.00	12,740.00	19,284.09	12,399.00	123.21	122.98	69.25	-6,939.45	-524.52	962.40	797.82	164.58	5.847					
19,700.00	12,740.00	19,384.09	12,399.00	124.75	124.52	69.25	-7,039.45	-523.52	962.40	795.79	166.62	5.776					
19,800.00	12,740.00	19,484.09	12,399.00	126.29	126.07	69.25	-7,139.44	-522.53	962.40	793.75	168.65	5.706					
19,900.00	12,740.00	19,584.09	12,399.00	127.84	127.61	69.25	-7,239.44	-521.53	962.40	791.71	170.69	5.638					
20,000.00	12,740.00	19,684.09	12,399.00	129.38	129.16	69.25	-7,339.43	-520.54	962.40	789.66	172.74	5.571					
20,100.00	12,740.00	19,784.09	12,399.00	130.93	130.71	69.25	-7,439.43	-519.54	962.40	787.61	174.78	5.506					
20,200.00	12,740.00	19,884.09	12,399.00	132.48	132.27	69.25	-7,539.42	-518.55	962.39	785.56	176.83	5.442					
20,300.00	12,740.00	19,984.09	12,399.00	134.04	133.83	69.25	-7,639.42	-517.55	962.39	783.51	178.88	5.380					
20,400.00	12,740.00	20,084.09	12,399.00	135.59	135.39	69.25	-7,739.41	-516.56	962.39	781.46	180.93	5.319					
20,500.00	12,740.00	20,184.09	12,399.00	137.15	136.95	69.25	-7,839.41	-515.57	962.39	779.40	182.99	5.259					
20,600.00	12,740.00	20,284.09	12,399.00	138.71	138.51	69.25	-7,939.40	-514.57	962.39	777.34	185.05	5.201					
20,700.00	12,740.00	20,384.09	12,399.00	140.27	140.08	69.25	-8,039.40	-513.58	962.38	775.28	187.11	5.144					
20,800.00	12,740.00	20,484.09	12,399.00	141.84	141.64	69.25	-8,139.39	-512.58	962.38	773.21	189.17	5.087					
20,900.00	12,740.00	20,584.09	12,399.00	143.41	143.21	69.25	-8,239.39	-511.59	962.38	771.15	191.23	5.033					
21,000.00	12,740.00	20,684.09	12,399.00	144.97	144.78	69.25	-8,339.38	-510.59	962.38	769.08	193.30	4.979					
21,100.00	12,740.00	20,784.09	12,399.00	146.54	146.36	69.25	-8,439.38	-509.60	962.38	767.01	195.36	4.926					
21,200.00	12,740.00	20,884.09	12,399.00	148.12	147.93	69.25	-8,539.37	-508.60	962.38	764.94	197.43	4.874					
21,300.00	12,740.00	20,984.09	12,399.00	149.69	149.51	69.25	-8,639.37	-507.61	962.37	762.87	199.51	4.824					
21,400.00	12,740.00	21,084.09	12,399.00	151.26	151.08	69.25	-8,739.36	-506.62	962.37	760.79	201.58	4.774					
21,500.00	12,740.00	21,184.09	12,399.00	152.84	152.66	69.25	-8,839.36	-505.62	962.37	758.72	203.65	4.726					
21,600.00	12,740.00	21,284.09	12,399.00	154.42	154.24	69.25	-8,939.35	-504.63	962.37	756.64	205.73	4.678					
21,700.00	12,740.00	21,384.09	12,399.00	156.00	155.83	69.25	-9,039.35	-503.63	962.37	754.56	207.80	4.631					
21,800.00	12,740.00	21,484.09	12,399.00	157.58	157.41	69.25	-9,139.34	-502.64	962.36	752.48	209.88	4.585					
21,900.00	12,740.00	21,584.09	12,399.00	159.16	159.00	69.25	-9,239.34	-501.64	962.36	750.40	211.96	4.540					
22,000.00	12,740.00	21,684.09	12,399.00	160.75	160.58	69.25	-9,339.33	-500.65	962.36	748.32	214.04	4.496					
22,100.00	12,740.00	21,784.09	12,399.00	162.33	162.17	69.25	-9,439.33	-499.65	962.36	746.24	216.12	4.453					
22,200.00	12,740.00	21,884.09	12,399.00	163.92	163.76	69.25	-9,539.32	-498.66	962.36	744.15	218.20	4.410					
22,300.00	12,740.00	21,984.09	12,399.00	165.51	165.35	69.25	-9,639.32	-497.67	962.35	742.07	220.29	4.369					
22,400.00	12,740.00	22,084.09	12,399.00	167.10	166.94	69.25	-9,739.31	-496.67	962.35	739.98	222.37	4.328					
22,500.00	12,740.00	22,184.09	12,399.00	168.69	168.53	69.25	-9,839.31	-495.68	962.35	737.89	224.46	4.287					
22,600.00	12,740.00	22,284.09	12,399.00	170.28	170.13	69.25	-9,939.30	-494.68	962.35	735.81	226.54	4.248					
22,700.00	12,740.00	22,384.09	12,399.00	171.87	171.72	69.25	-10,039.30	-493.69	962.35	733.72	228.63	4.209					
22,800.00	12,740.00	22,484.09	12,399.00	173.47	173.32	69.25	-10,139.29	-492.69	962.35	731.63	230.72	4.171					
22,874.14	12,740.00	22,558.22	12,399.00	174.65	174.50	69.25	-10,213.43	-491.96	962.34	730.08	232.27	4.143					

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - Paul Foster Fed Com 806H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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	
0.00	0.00	0.00	0.00	0.00	0.00	89.46	0.23	24.78	24.78					
100.00	100.00	100.00	100.00	0.13	0.13	89.46	0.23	24.78	24.78	24.60	0.18	139.660		
200.00	200.00	200.00	200.00	0.48	0.48	89.46	0.23	24.78	24.78	24.10	0.68	36.208		
300.00	300.00	300.00	300.00	0.84	0.84	89.46	0.23	24.78	24.78	23.59	1.19	20.801		
400.00	400.00	400.00	400.00	1.20	1.20	89.46	0.23	24.78	24.78	23.08	1.70	14.591		
500.00	500.00	500.00	500.00	1.56	1.56	89.46	0.23	24.78	24.78	22.58	2.21	11.237		
600.00	600.00	600.00	600.00	1.92	1.92	89.46	0.23	24.78	24.78	22.07	2.71	9.137		
700.00	700.00	700.00	700.00	2.28	2.28	89.46	0.23	24.78	24.78	21.56	3.22	7.698		
800.00	800.00	800.00	800.00	2.63	2.63	89.46	0.23	24.78	24.78	21.05	3.73	6.651		
900.00	900.00	900.00	900.00	2.99	2.99	89.46	0.23	24.78	24.78	20.55	4.23	5.854		
1,000.00	1,000.00	1,000.00	1,000.00	3.35	3.35	89.46	0.23	24.78	24.78	20.04	4.74	5.228		
1,100.00	1,100.00	1,100.00	1,100.00	3.71	3.71	89.46	0.23	24.78	24.78	19.53	5.25	4.723		
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	89.46	0.23	24.78	24.78	19.03	5.75	4.307		
1,300.00	1,300.00	1,300.00	1,300.00	4.43	4.43	89.46	0.23	24.78	24.78	18.52	6.26	3.958		
1,400.00	1,400.00	1,400.00	1,400.00	4.79	4.79	89.46	0.23	24.78	24.78	18.01	6.77	3.662		
1,500.00	1,500.00	1,500.00	1,500.00	5.14	5.14	89.46	0.23	24.78	24.78	17.51	7.27	3.406		
1,600.00	1,600.00	1,600.00	1,600.00	5.50	5.50	89.46	0.23	24.78	24.78	17.00	7.78	3.184		
1,700.00	1,700.00	1,700.00	1,700.00	5.86	5.86	89.46	0.23	24.78	24.78	16.49	8.29	2.990		
1,800.00	1,800.00	1,800.00	1,800.00	6.22	6.22	89.46	0.23	24.78	24.78	15.98	8.80	2.817		
1,900.00	1,900.00	1,900.00	1,900.00	6.58	6.58	89.46	0.23	24.78	24.78	15.48	9.30	2.664		
2,000.00	2,000.00	2,000.00	2,000.00	6.94	6.94	89.46	0.23	24.78	24.78	14.97	9.81	2.526		
2,100.00	2,100.00	2,100.00	2,100.00	7.29	7.29	89.46	0.23	24.78	24.78	14.46	10.32	2.402 CC, ES, SF		
2,200.00	2,200.00	2,199.35	2,199.34	7.65	7.64	88.73	0.58	26.02	26.04	15.23	10.81	2.408		
2,300.00	2,299.99	2,298.63	2,298.54	8.01	7.99	26.11	1.61	29.76	28.66	17.36	11.29	2.538		
2,400.00	2,399.91	2,397.83	2,397.53	8.36	8.34	26.48	3.33	35.96	31.45	19.69	11.76	2.674		
2,471.49	2,471.26	2,468.70	2,468.13	8.61	8.59	27.27	4.97	41.92	33.56	21.47	12.09	2.776		
2,500.00	2,499.70	2,496.95	2,496.24	8.71	8.69	27.61	5.73	44.64	34.52	22.30	12.22	2.825		
2,600.00	2,599.45	2,595.91	2,594.51	9.06	9.04	28.00	8.81	55.76	39.52	26.84	12.68	3.117		
2,700.00	2,699.19	2,695.65	2,693.40	9.42	9.40	27.82	12.29	68.34	45.89	32.72	13.17	3.484		
2,800.00	2,798.94	2,795.45	2,792.34	9.78	9.77	27.69	15.77	80.93	52.26	38.59	13.67	3.823		
2,900.00	2,898.69	2,895.24	2,891.28	10.13	10.14	27.58	19.25	93.51	58.64	44.47	14.17	4.138		
3,000.00	2,998.44	2,995.04	2,990.21	10.49	10.51	27.50	22.73	106.10	65.02	50.34	14.67	4.431		
3,100.00	3,098.18	3,094.83	3,089.15	10.85	10.89	27.43	26.22	118.69	71.40	56.22	15.18	4.704		
3,200.00	3,197.93	3,194.63	3,188.09	11.22	11.26	27.37	29.70	131.28	77.77	62.09	15.68	4.960		
3,300.00	3,297.68	3,294.43	3,287.03	11.58	11.64	27.32	33.18	143.87	84.15	67.97	16.18	5.200		
3,400.00	3,397.43	3,394.22	3,385.97	11.94	12.03	27.28	36.66	156.45	90.53	73.84	16.69	5.424		
3,500.00	3,497.17	3,494.02	3,484.90	12.30	12.41	27.24	40.15	169.04	96.90	79.71	17.20	5.636		
3,600.00	3,596.92	3,593.82	3,583.84	12.67	12.80	27.21	43.63	181.63	103.28	85.58	17.70	5.835		
3,700.00	3,696.67	3,693.61	3,682.78	13.03	13.19	27.18	47.11	194.22	109.66	91.45	18.21	6.022		
3,800.00	3,796.42	3,793.41	3,781.72	13.40	13.58	27.16	50.59	206.80	116.04	97.32	18.72	6.199		
3,900.00	3,896.16	3,893.21	3,880.66	13.76	13.97	27.13	54.08	219.39	122.41	103.19	19.23	6.367		
4,000.00	3,995.91	3,993.00	3,979.60	14.13	14.36	27.11	57.56	231.98	128.79	109.06	19.73	6.526		
4,100.00	4,095.66	4,092.80	4,078.53	14.50	14.75	27.09	61.04	244.57	135.17	114.92	20.24	6.677		
4,200.00	4,195.41	4,192.60	4,177.47	14.86	15.15	27.08	64.52	257.15	141.55	120.79	20.75	6.820		
4,300.00	4,295.15	4,292.39	4,276.41	15.23	15.54	27.06	68.01	269.74	147.92	126.66	21.27	6.956		
4,400.00	4,394.90	4,392.19	4,375.35	15.60	15.94	27.05	71.49	282.33	154.30	132.52	21.78	7.086		
4,500.00	4,494.65	4,491.98	4,474.29	15.97	16.34	27.03	74.97	294.92	160.68	138.39	22.29	7.209		
4,600.00	4,594.40	4,591.78	4,573.22	16.34	16.73	27.02	78.45	307.50	167.05	144.26	22.80	7.327		
4,700.00	4,694.15	4,691.58	4,672.16	16.70	17.13	27.01	81.94	320.09	173.43	150.12	23.31	7.440		
4,800.00	4,793.89	4,791.37	4,771.10	17.07	17.53	27.00	85.42	332.68	179.81	155.99	23.82	7.548		
4,900.00	4,893.64	4,891.17	4,870.04	17.44	17.93	26.99	88.90	345.27	186.19	161.85	24.34	7.651		
5,000.00	4,993.39	4,990.97	4,968.98	17.81	18.33	26.98	92.38	357.86	192.56	167.72	24.85	7.749		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		PF Fed Com - Paul Foster Fed Com 806H - OH - Plan #1											Offset Site Error:		0.00 usft
Survey Program:		0-OWSG (Rev2) MWD											Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
5,100.00	5,093.14	5,090.76	5,067.91	18.18	18.73	26.97	95.87	370.44	198.94	173.58	25.36	7.844			
5,200.00	5,192.88	5,190.56	5,166.85	18.55	19.13	26.97	99.35	383.03	205.32	179.44	25.88	7.935			
5,300.00	5,292.63	5,290.36	5,265.79	18.92	19.54	26.96	102.83	395.62	211.70	185.31	26.39	8.022			
5,400.00	5,392.38	5,390.15	5,364.73	19.29	19.94	26.95	106.32	408.21	218.07	191.17	26.90	8.106			
5,500.00	5,492.13	5,489.95	5,463.67	19.66	20.34	26.95	109.80	420.79	224.45	197.03	27.42	8.186			
5,600.00	5,591.87	5,589.75	5,562.61	20.03	20.74	26.94	113.28	433.38	230.83	202.90	27.93	8.264			
5,700.00	5,691.62	5,689.54	5,661.54	20.40	21.15	26.93	116.76	445.97	237.21	208.76	28.45	8.339			
5,800.00	5,791.37	5,789.34	5,760.48	20.77	21.55	26.93	120.25	458.56	243.58	214.62	28.96	8.411			
5,900.00	5,891.12	5,889.14	5,859.42	21.14	21.96	26.92	123.73	471.14	249.96	220.49	29.48	8.480			
6,000.00	5,990.86	5,988.93	5,958.36	21.52	22.36	26.92	127.21	483.73	256.34	226.35	29.99	8.547			
6,100.00	6,090.61	6,088.73	6,057.30	21.89	22.76	26.91	130.69	496.32	262.72	232.21	30.51	8.612			
6,200.00	6,190.36	6,188.52	6,156.23	22.26	23.17	26.91	134.18	508.91	269.09	238.07	31.02	8.674			
6,300.00	6,290.11	6,288.32	6,255.17	22.63	23.58	26.90	137.66	521.50	275.47	243.93	31.54	8.735			
6,400.00	6,389.85	6,388.12	6,354.11	23.00	23.98	26.90	141.14	534.08	281.85	249.80	32.05	8.793			
6,500.00	6,489.60	6,487.91	6,453.05	23.37	24.39	26.90	144.62	546.67	288.23	255.66	32.57	8.850			
6,600.00	6,589.35	6,587.71	6,551.99	23.74	24.79	26.89	148.11	559.26	294.60	261.52	33.08	8.905			
6,700.00	6,689.10	6,687.51	6,650.92	24.12	25.20	26.89	151.59	571.85	300.98	267.38	33.60	8.958			
6,800.00	6,788.84	6,787.30	6,749.86	24.49	25.61	26.88	155.07	584.43	307.36	273.24	34.12	9.009			
6,900.00	6,888.59	6,889.78	6,851.47	24.86	26.02	26.89	158.61	597.22	313.60	278.95	34.66	9.049			
7,000.00	6,988.34	6,998.39	6,959.45	25.23	26.45	27.00	161.74	608.52	317.75	282.52	35.23	9.019			
7,069.58	7,057.74	7,074.06	7,034.85	25.49	26.74	27.15	163.43	614.65	319.02	283.40	35.61	8.957			
7,100.00	7,088.09	7,107.15	7,067.86	25.60	26.86	27.23	164.05	616.88	319.26	283.48	35.78	8.923			
7,200.00	7,187.97	7,215.95	7,176.51	25.97	27.25	27.43	165.53	622.25	319.78	283.48	36.30	8.809			
7,300.00	7,287.93	7,324.76	7,285.29	26.33	27.63	27.53	166.20	624.64	319.87	283.08	36.79	8.695			
7,341.07	7,329.00	7,368.47	7,329.00	26.47	27.77	89.42	166.23	624.78	319.80	282.81	36.98	8.647			
7,400.00	7,387.93	7,427.40	7,387.93	26.67	27.97	89.42	166.23	624.78	319.80	282.52	37.27	8.580			
7,500.00	7,487.93	7,527.40	7,487.93	27.02	28.30	89.42	166.23	624.78	319.80	282.03	37.76	8.468			
7,600.00	7,587.93	7,627.40	7,587.93	27.37	28.63	89.42	166.23	624.78	319.80	281.54	38.26	8.359			
7,700.00	7,687.93	7,727.40	7,687.93	27.72	28.96	89.42	166.23	624.78	319.80	281.05	38.75	8.253			
7,800.00	7,787.93	7,827.40	7,787.93	28.06	29.29	89.42	166.23	624.78	319.80	280.55	39.24	8.149			
7,900.00	7,887.93	7,927.40	7,887.93	28.41	29.62	89.42	166.23	624.78	319.80	280.06	39.74	8.048			
8,000.00	7,987.93	8,027.40	7,987.93	28.76	29.96	89.42	166.23	624.78	319.80	279.57	40.23	7.949			
8,100.00	8,087.93	8,127.40	8,087.93	29.11	30.29	89.42	166.23	624.78	319.80	279.07	40.72	7.853			
8,200.00	8,187.93	8,227.40	8,187.93	29.46	30.63	89.42	166.23	624.78	319.80	278.58	41.22	7.759			
8,300.00	8,287.93	8,327.40	8,287.93	29.81	30.96	89.42	166.23	624.78	319.80	278.08	41.71	7.667			
8,400.00	8,387.93	8,427.40	8,387.93	30.16	31.30	89.42	166.23	624.78	319.80	277.59	42.21	7.577			
8,500.00	8,487.93	8,527.40	8,487.93	30.51	31.63	89.42	166.23	624.78	319.80	277.09	42.70	7.489			
8,600.00	8,587.93	8,627.40	8,587.93	30.86	31.97	89.42	166.23	624.78	319.80	276.60	43.20	7.403			
8,700.00	8,687.93	8,727.40	8,687.93	31.21	32.31	89.42	166.23	624.78	319.80	276.10	43.69	7.319			
8,800.00	8,787.93	8,827.40	8,787.93	31.56	32.64	89.42	166.23	624.78	319.80	275.61	44.19	7.237			
8,900.00	8,887.93	8,927.40	8,887.93	31.91	32.98	89.42	166.23	624.78	319.80	275.11	44.68	7.157			
9,000.00	8,987.93	9,027.40	8,987.93	32.26	33.32	89.42	166.23	624.78	319.80	274.62	45.18	7.078			
9,100.00	9,087.93	9,127.40	9,087.93	32.61	33.66	89.42	166.23	624.78	319.80	274.12	45.68	7.001			
9,200.00	9,187.93	9,227.40	9,187.93	32.96	34.00	89.42	166.23	624.78	319.80	273.62	46.17	6.926			
9,300.00	9,287.93	9,327.40	9,287.93	33.31	34.34	89.42	166.23	624.78	319.80	273.13	46.67	6.852			
9,400.00	9,387.93	9,427.40	9,387.93	33.66	34.67	89.42	166.23	624.78	319.80	272.63	47.17	6.780			
9,500.00	9,487.93	9,527.40	9,487.93	34.01	35.02	89.42	166.23	624.78	319.80	272.13	47.67	6.709			
9,600.00	9,587.93	9,627.40	9,587.93	34.36	35.36	89.42	166.23	624.78	319.80	271.63	48.16	6.640			
9,700.00	9,687.93	9,727.40	9,687.93	34.72	35.70	89.42	166.23	624.78	319.80	271.14	48.66	6.572			
9,800.00	9,787.93	9,827.40	9,787.93	35.07	36.04	89.42	166.23	624.78	319.80	270.64	49.16	6.505			
9,900.00	9,887.93	9,927.40	9,887.93	35.42	36.38	89.42	166.23	624.78	319.80	270.14	49.66	6.440			
10,000.00	9,987.93	10,027.40	9,987.93	35.77	36.72	89.42	166.23	624.78	319.80	269.64	50.15	6.376			

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 806H - OH - Plan #1		Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft		
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
10,100.00	10,087.93	10,127.40	10,087.93	36.12	37.06	89.42	166.23	624.78	319.80	269.14	50.65	6.313				
10,200.00	10,187.93	10,227.40	10,187.93	36.48	37.41	89.42	166.23	624.78	319.80	268.64	51.15	6.252				
10,300.00	10,287.93	10,327.40	10,287.93	36.83	37.75	89.42	166.23	624.78	319.80	268.14	51.65	6.191				
10,400.00	10,387.93	10,427.40	10,387.93	37.18	38.09	89.42	166.23	624.78	319.80	267.65	52.15	6.132				
10,500.00	10,487.93	10,527.40	10,487.93	37.53	38.43	89.42	166.23	624.78	319.80	267.15	52.65	6.074				
10,600.00	10,587.93	10,627.40	10,587.93	37.89	38.78	89.42	166.23	624.78	319.80	266.65	53.15	6.017				
10,700.00	10,687.93	10,727.40	10,687.93	38.24	39.12	89.42	166.23	624.78	319.80	266.15	53.65	5.961				
10,800.00	10,787.93	10,827.40	10,787.93	38.59	39.47	89.42	166.23	624.78	319.80	265.65	54.15	5.906				
10,900.00	10,887.93	10,927.40	10,887.93	38.94	39.81	89.42	166.23	624.78	319.80	265.15	54.65	5.852				
11,000.00	10,987.93	11,027.40	10,987.93	39.30	40.16	89.42	166.23	624.78	319.80	264.65	55.15	5.799				
11,100.00	11,087.93	11,127.40	11,087.93	39.65	40.50	89.42	166.23	624.78	319.80	264.15	55.65	5.747				
11,200.00	11,187.93	11,227.40	11,187.93	40.00	40.85	89.42	166.23	624.78	319.80	263.65	56.15	5.696				
11,300.00	11,287.93	11,327.40	11,287.93	40.36	41.19	89.42	166.23	624.78	319.80	263.15	56.65	5.645				
11,400.00	11,387.93	11,427.40	11,387.93	40.71	41.54	89.42	166.23	624.78	319.80	262.65	57.15	5.596				
11,500.00	11,487.93	11,527.40	11,487.93	41.07	41.88	89.42	166.23	624.78	319.80	262.15	57.65	5.547				
11,600.00	11,587.93	11,627.40	11,587.93	41.42	42.23	89.42	166.23	624.78	319.80	261.65	58.15	5.500				
11,700.00	11,687.93	11,727.40	11,687.93	41.77	42.57	89.42	166.23	624.78	319.80	261.15	58.65	5.453				
11,800.00	11,787.93	11,827.40	11,787.93	42.13	42.92	89.42	166.23	624.78	319.80	260.65	59.15	5.406				
11,900.00	11,887.93	11,922.28	11,882.59	42.48	43.23	90.31	161.27	625.38	320.43	260.78	59.65	5.372				
12,000.00	11,987.93	12,012.16	11,970.39	42.83	43.50	93.61	142.63	627.64	323.75	263.62	60.13	5.384				
12,100.00	12,087.93	12,094.42	12,047.29	43.19	43.73	98.58	113.81	631.12	332.31	271.86	60.45	5.497				
12,179.11	12,167.04	12,150.00	12,096.54	43.47	43.87	102.79	88.29	634.21	344.87	284.53	60.34	5.716				
12,200.00	12,187.93	12,167.26	12,111.29	43.54	43.92	-74.85	79.41	635.29	349.12	288.81	60.31	5.789				
12,250.00	12,237.75	12,200.00	12,138.53	43.70	43.99	-71.33	61.37	637.47	360.29	300.31	59.98	6.007				
12,300.00	12,287.04	12,235.20	12,166.59	43.85	44.07	-67.83	40.29	640.02	372.51	312.90	59.60	6.250				
12,350.00	12,335.41	12,268.36	12,191.80	44.00	44.14	-64.69	18.90	642.61	385.42	326.33	59.09	6.523				
12,400.00	12,382.50	12,300.00	12,214.64	44.14	44.21	-61.88	-2.82	645.24	398.71	340.24	58.47	6.819				
12,450.00	12,427.95	12,333.40	12,237.41	44.27	44.27	-59.25	-27.08	648.17	412.11	354.23	57.88	7.120				
12,500.00	12,471.42	12,365.39	12,257.85	44.39	44.33	-56.94	-51.51	651.13	425.37	368.15	57.22	7.433				
12,550.00	12,512.57	12,400.00	12,278.37	44.50	44.39	-54.81	-79.16	654.48	438.31	381.65	56.67	7.735				
12,600.00	12,551.09	12,428.53	12,294.00	44.59	44.44	-53.10	-102.85	657.34	450.73	394.77	55.96	8.054				
12,650.00	12,586.68	12,459.75	12,309.72	44.68	44.50	-51.55	-129.63	660.58	462.51	407.12	55.39	8.351				
12,700.00	12,619.09	12,490.78	12,323.87	44.76	44.56	-50.23	-157.04	663.90	473.52	418.64	54.88	8.629				
12,750.00	12,648.05	12,521.66	12,336.44	44.84	44.62	-49.13	-185.03	667.29	483.68	429.23	54.45	8.884				
12,800.00	12,673.35	12,550.00	12,346.63	44.93	44.68	-48.24	-211.29	670.46	492.90	438.84	54.06	9.117				
12,850.00	12,694.80	12,583.04	12,356.84	45.04	44.75	-47.52	-242.48	674.24	501.09	447.22	53.87	9.302				
12,900.00	12,712.23	12,613.60	12,364.65	45.16	44.82	-47.00	-271.81	677.79	508.24	454.50	53.75	9.456				
12,950.00	12,725.51	12,650.00	12,371.89	45.28	44.91	-46.68	-307.22	682.07	514.36	460.55	53.80	9.560				
13,000.00	12,734.55	12,674.57	12,375.49	45.41	44.97	-46.48	-331.34	684.99	519.24	465.39	53.86	9.641				
13,050.00	12,739.26	12,700.00	12,378.11	45.54	45.04	-46.42	-356.45	688.03	523.10	469.02	54.08	9.673				
13,079.11	12,740.00	12,722.76	12,379.51	45.62	45.10	-46.54	-379.00	690.76	524.75	470.46	54.29	9.665				
13,100.00	12,740.00	12,735.50	12,379.89	45.68	45.14	-46.67	-391.64	692.29	526.00	471.55	54.45	9.661				
13,200.00	12,740.00	12,840.93	12,380.00	45.98	45.48	-47.43	-496.48	703.41	532.98	477.87	55.11	9.671				
13,300.00	12,740.00	12,956.79	12,380.00	46.34	45.91	-47.90	-612.07	711.19	537.22	481.53	55.69	9.646				
13,400.00	12,740.00	13,071.62	12,380.00	46.75	46.39	-48.05	-726.85	714.30	538.48	482.29	56.19	9.583				
13,500.00	12,740.00	13,171.62	12,380.00	47.22	46.86	-48.04	-826.85	715.29	538.48	481.74	56.73	9.491				
13,600.00	12,740.00	13,271.62	12,380.00	47.73	47.39	-48.04	-926.84	716.28	538.47	481.15	57.33	9.393				
13,700.00	12,740.00	13,371.62	12,380.00	48.30	47.96	-48.04	-1,026.84	717.27	538.47	480.50	57.97	9.288				
13,800.00	12,740.00	13,471.62	12,380.00	48.92	48.59	-48.04	-1,126.83	718.26	538.47	479.80	58.67	9.178				
13,900.00	12,740.00	13,571.62	12,380.00	49.58	49.26	-48.04	-1,226.83	719.24	538.46	479.05	59.41	9.063				
14,000.00	12,740.00	13,671.62	12,380.00	50.29	49.97	-48.04	-1,326.82	720.23	538.46	478.26	60.20	8.944				
14,100.00	12,740.00	13,771.62	12,380.00	51.04	50.73	-48.04	-1,426.82	721.22	538.46	477.42	61.04	8.822				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - Paul Foster Fed Com 806H - OH - Plan #1		Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD															Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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				
14,200.00	12,740.00	13,871.62	12,380.00	51.83	51.54	-48.04	-1,526.81	722.21	538.45	476.54	61.92	8.697				
14,300.00	12,740.00	13,971.62	12,380.00	52.66	52.38	-48.04	-1,626.81	723.20	538.45	475.62	62.83	8.569				
14,400.00	12,740.00	14,071.62	12,380.00	53.53	53.26	-48.04	-1,726.80	724.18	538.45	474.66	63.79	8.441				
14,500.00	12,740.00	14,171.62	12,380.00	54.44	54.17	-48.04	-1,826.80	725.17	538.44	473.66	64.78	8.311				
14,600.00	12,740.00	14,271.62	12,380.00	55.38	55.12	-48.04	-1,926.79	726.16	538.44	472.63	65.81	8.181				
14,700.00	12,740.00	14,371.62	12,380.00	56.35	56.10	-48.04	-2,026.79	727.15	538.44	471.56	66.88	8.051				
14,800.00	12,740.00	14,471.62	12,380.00	57.35	57.12	-48.04	-2,126.78	728.14	538.43	470.46	67.97	7.922				
14,900.00	12,740.00	14,571.62	12,380.00	58.39	58.16	-48.04	-2,226.78	729.12	538.43	469.34	69.09	7.793				
15,000.00	12,740.00	14,671.62	12,380.00	59.45	59.23	-48.04	-2,326.77	730.11	538.43	468.18	70.24	7.665				
15,100.00	12,740.00	14,771.62	12,380.00	60.54	60.33	-48.04	-2,426.77	731.10	538.42	467.00	71.42	7.539				
15,200.00	12,740.00	14,871.62	12,380.00	61.65	61.45	-48.04	-2,526.76	732.09	538.42	465.79	72.63	7.414				
15,300.00	12,740.00	14,971.62	12,380.00	62.79	62.59	-48.04	-2,626.76	733.08	538.42	464.56	73.85	7.290				
15,400.00	12,740.00	15,071.62	12,380.00	63.94	63.76	-48.04	-2,726.75	734.06	538.41	463.31	75.10	7.169				
15,500.00	12,740.00	15,171.62	12,380.00	65.12	64.95	-48.04	-2,826.75	735.05	538.41	462.04	76.37	7.050				
15,600.00	12,740.00	15,271.62	12,380.00	66.32	66.15	-48.04	-2,926.74	736.04	538.41	460.74	77.66	6.932				
15,700.00	12,740.00	15,371.62	12,380.00	67.54	67.38	-48.04	-3,026.74	737.03	538.40	459.43	78.97	6.818				
15,800.00	12,740.00	15,471.62	12,380.00	68.78	68.62	-48.04	-3,126.73	738.01	538.40	458.10	80.30	6.705				
15,900.00	12,740.00	15,571.62	12,380.00	70.04	69.88	-48.04	-3,226.73	739.00	538.40	456.75	81.64	6.594				
16,000.00	12,740.00	15,671.62	12,380.00	71.31	71.16	-48.04	-3,326.72	739.99	538.39	455.39	83.00	6.486				
16,100.00	12,740.00	15,771.62	12,380.00	72.59	72.45	-48.04	-3,426.72	740.98	538.39	454.01	84.38	6.381				
16,200.00	12,740.00	15,871.62	12,380.00	73.89	73.76	-48.04	-3,526.71	741.97	538.39	452.62	85.76	6.277				
16,300.00	12,740.00	15,971.62	12,380.00	75.21	75.08	-48.04	-3,626.71	742.95	538.38	451.22	87.17	6.176				
16,400.00	12,740.00	16,071.62	12,380.00	76.53	76.41	-48.04	-3,726.71	743.94	538.38	449.80	88.58	6.078				
16,500.00	12,740.00	16,171.62	12,380.00	77.87	77.76	-48.03	-3,826.70	744.93	538.38	448.37	90.00	5.982				
16,600.00	12,740.00	16,271.62	12,380.00	79.22	79.11	-48.03	-3,926.70	745.92	538.37	446.93	91.44	5.888				
16,700.00	12,740.00	16,371.62	12,380.00	80.59	80.48	-48.03	-4,026.69	746.91	538.37	445.48	92.89	5.796				
16,800.00	12,740.00	16,471.62	12,380.00	81.96	81.86	-48.03	-4,126.69	747.89	538.37	444.03	94.34	5.707				
16,900.00	12,740.00	16,571.62	12,380.00	83.34	83.25	-48.03	-4,226.68	748.88	538.36	442.56	95.80	5.619				
17,000.00	12,740.00	16,671.62	12,380.00	84.74	84.65	-48.03	-4,326.68	749.87	538.36	441.08	97.28	5.534				
17,100.00	12,740.00	16,771.62	12,380.00	86.14	86.05	-48.03	-4,426.67	750.86	538.36	439.60	98.76	5.451				
17,200.00	12,740.00	16,871.62	12,380.00	87.55	87.47	-48.03	-4,526.67	751.85	538.35	438.11	100.24	5.370				
17,300.00	12,740.00	16,971.62	12,380.00	88.97	88.89	-48.03	-4,626.66	752.83	538.35	436.61	101.74	5.291				
17,400.00	12,740.00	17,071.62	12,380.00	90.39	90.32	-48.03	-4,726.66	753.82	538.35	435.11	103.24	5.215				
17,500.00	12,740.00	17,171.62	12,380.00	91.83	91.76	-48.03	-4,826.65	754.81	538.34	433.60	104.75	5.139				
17,600.00	12,740.00	17,271.62	12,380.00	93.27	93.21	-48.03	-4,926.65	755.80	538.34	432.08	106.26	5.066				
17,700.00	12,740.00	17,371.62	12,380.00	94.72	94.66	-48.03	-5,026.64	756.79	538.33	430.56	107.78	4.995				
17,800.00	12,740.00	17,471.62	12,380.00	96.17	96.12	-48.03	-5,126.64	757.77	538.33	429.03	109.30	4.925				
17,900.00	12,740.00	17,571.62	12,380.00	97.64	97.58	-48.03	-5,226.63	758.76	538.33	427.50	110.83	4.857				
18,000.00	12,740.00	17,671.62	12,380.00	99.10	99.05	-48.03	-5,326.63	759.75	538.32	425.97	112.36	4.791				
18,100.00	12,740.00	17,771.62	12,380.00	100.58	100.53	-48.03	-5,426.62	760.74	538.32	424.43	113.89	4.727				
18,200.00	12,740.00	17,871.62	12,380.00	102.05	102.01	-48.03	-5,526.62	761.72	538.32	422.89	115.43	4.664				
18,300.00	12,740.00	17,971.62	12,380.00	103.54	103.50	-48.03	-5,626.61	762.71	538.31	421.34	116.97	4.602				
18,400.00	12,740.00	18,071.62	12,380.00	105.03	104.99	-48.03	-5,726.61	763.70	538.31	419.79	118.52	4.542				
18,500.00	12,740.00	18,171.62	12,380.00	106.52	106.48	-48.03	-5,826.60	764.69	538.31	418.24	120.07	4.483				
18,600.00	12,740.00	18,271.62	12,380.00	108.02	107.99	-48.03	-5,926.60	765.68	538.30	416.69	121.62	4.426				
18,700.00	12,740.00	18,371.62	12,380.00	109.52	109.49	-48.03	-6,026.59	766.66	538.30	415.13	123.17	4.370				
18,800.00	12,740.00	18,471.62	12,380.00	111.03	111.00	-48.03	-6,126.59	767.65	538.30	413.57	124.72	4.316				
18,900.00	12,740.00	18,571.62	12,380.00	112.54	112.51	-48.03	-6,226.58	768.64	538.29	412.01	126.28	4.263				
19,000.00	12,740.00	18,671.62	12,380.00	114.05	114.03	-48.03	-6,326.58	769.63	538.29	410.45	127.84	4.211				
19,100.00	12,740.00	18,771.62	12,380.00	115.57	115.55	-48.03	-6,426.57	770.62	538.29	408.89	129.40	4.160				
19,200.00	12,740.00	18,871.62	12,380.00	117.09	117.08	-48.03	-6,526.57	771.60	538.28	407.32	130.96	4.110				
19,300.00	12,740.00	18,971.62	12,380.00	118.62	118.60	-48.03	-6,626.56	772.59	538.28	405.75	132.53	4.062				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												PF Fed Com - Paul Foster Fed Com 806H - OH - Plan #1		Offset Site Error:		0.00 usft	
Survey Program: 0-OWSG (Rev2) MWD														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis		Distance							Warning				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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					
19,400.00	12,740.00	19,071.62	12,380.00	120.15	120.14	-48.03	-6,726.56	773.58	538.28	404.19	134.09	4.014					
19,500.00	12,740.00	19,171.62	12,380.00	121.68	121.67	-48.03	-6,826.55	774.57	538.27	402.62	135.65	3.968					
19,600.00	12,740.00	19,271.62	12,380.00	123.21	123.21	-48.02	-6,926.55	775.56	538.27	401.05	137.22	3.923					
19,700.00	12,740.00	19,371.62	12,380.00	124.75	124.75	-48.02	-7,026.54	776.54	538.27	399.48	138.79	3.878					
19,800.00	12,740.00	19,471.62	12,380.00	126.29	126.29	-48.02	-7,126.54	777.53	538.26	397.91	140.35	3.835					
19,900.00	12,740.00	19,571.62	12,380.00	127.84	127.84	-48.02	-7,226.53	778.52	538.26	396.34	141.92	3.793					
20,000.00	12,740.00	19,671.62	12,380.00	129.38	129.38	-48.02	-7,326.53	779.51	538.26	394.77	143.49	3.751					
20,100.00	12,740.00	19,771.62	12,380.00	130.93	130.94	-48.02	-7,426.52	780.50	538.25	393.20	145.06	3.711					
20,200.00	12,740.00	19,871.62	12,380.00	132.48	132.49	-48.02	-7,526.52	781.48	538.25	391.63	146.62	3.671					
20,300.00	12,740.00	19,971.62	12,380.00	134.04	134.04	-48.02	-7,626.51	782.47	538.25	390.05	148.19	3.632					
20,400.00	12,740.00	20,071.62	12,380.00	135.59	135.60	-48.02	-7,726.51	783.46	538.24	388.48	149.76	3.594					
20,500.00	12,740.00	20,171.62	12,380.00	137.15	137.16	-48.02	-7,826.51	784.45	538.24	386.91	151.33	3.557					
20,600.00	12,740.00	20,271.62	12,380.00	138.71	138.72	-48.02	-7,926.50	785.43	538.24	385.34	152.89	3.520					
20,700.00	12,740.00	20,371.62	12,380.00	140.27	140.29	-48.02	-8,026.50	786.42	538.23	383.77	154.46	3.485					
20,800.00	12,740.00	20,471.62	12,380.00	141.84	141.86	-48.02	-8,126.49	787.41	538.23	382.20	156.03	3.450					
20,900.00	12,740.00	20,571.62	12,380.00	143.41	143.42	-48.02	-8,226.49	788.40	538.23	380.64	157.59	3.415					
21,000.00	12,740.00	20,671.62	12,380.00	144.97	144.99	-48.02	-8,326.48	789.39	538.22	379.07	159.16	3.382					
21,100.00	12,740.00	20,771.62	12,380.00	146.54	146.56	-48.02	-8,426.48	790.37	538.22	377.50	160.72	3.349					
21,200.00	12,740.00	20,871.62	12,380.00	148.12	148.14	-48.02	-8,526.47	791.36	538.22	375.93	162.28	3.317					
21,300.00	12,740.00	20,971.62	12,380.00	149.69	149.71	-48.02	-8,626.47	792.35	538.21	374.37	163.84	3.285					
21,400.00	12,740.00	21,071.62	12,380.00	151.26	151.29	-48.02	-8,726.46	793.34	538.21	372.80	165.41	3.254					
21,500.00	12,740.00	21,171.62	12,380.00	152.84	152.87	-48.02	-8,826.46	794.33	538.21	371.24	166.97	3.223					
21,600.00	12,740.00	21,271.62	12,380.00	154.42	154.45	-48.02	-8,926.45	795.31	538.20	369.68	168.53	3.194					
21,700.00	12,740.00	21,371.62	12,380.00	156.00	156.03	-48.02	-9,026.45	796.30	538.20	368.12	170.08	3.164					
21,800.00	12,740.00	21,471.62	12,380.00	157.58	157.61	-48.02	-9,126.44	797.29	538.19	366.56	171.64	3.136					
21,900.00	12,740.00	21,571.62	12,380.00	159.16	159.20	-48.02	-9,226.44	798.28	538.19	365.00	173.20	3.107					
22,000.00	12,740.00	21,671.62	12,380.00	160.75	160.78	-48.02	-9,326.43	799.27	538.19	363.44	174.75	3.080					
22,100.00	12,740.00	21,771.62	12,380.00	162.33	162.37	-48.02	-9,426.43	800.25	538.18	361.88	176.30	3.053					
22,200.00	12,740.00	21,871.62	12,380.00	163.92	163.96	-48.02	-9,526.42	801.24	538.18	360.33	177.86	3.026					
22,300.00	12,740.00	21,971.62	12,380.00	165.51	165.55	-48.02	-9,626.42	802.23	538.18	358.77	179.41	3.000					
22,400.00	12,740.00	22,071.62	12,380.00	167.10	167.14	-48.02	-9,726.41	803.22	538.17	357.22	180.95	2.974					
22,500.00	12,740.00	22,171.62	12,380.00	168.69	168.73	-48.02	-9,826.41	804.21	538.17	355.67	182.50	2.949					
22,600.00	12,740.00	22,271.62	12,380.00	170.28	170.32	-48.01	-9,926.40	805.19	538.17	354.12	184.05	2.924					
22,700.00	12,740.00	22,371.62	12,380.00	171.87	171.92	-48.01	-10,026.40	806.18	538.16	352.57	185.59	2.900					
22,800.00	12,740.00	22,471.62	12,380.00	173.47	173.51	-48.01	-10,126.39	807.17	538.16	351.03	187.14	2.876					
22,874.14	12,740.00	22,545.76	12,380.00	174.65	174.69	-48.01	-10,200.53	807.90	538.16	349.88	188.28	2.858					

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	22.00	22.00	0.00	0.03	-99.08	-467.31	-2,923.58	2,960.70					
100.00	100.00	122.00	122.00	0.13	0.20	-99.08	-467.31	-2,923.58	2,960.70	2,960.46	0.24	N/A		
200.00	200.00	222.00	222.00	0.48	0.56	-99.08	-467.31	-2,923.58	2,960.70	2,959.95	0.74	3,988.798		
300.00	300.00	322.00	322.00	0.84	0.92	-99.08	-467.31	-2,923.58	2,960.70	2,959.45	1.25	2,371.675		
400.00	400.00	422.00	422.00	1.20	1.28	-99.08	-467.31	-2,923.58	2,960.70	2,958.94	1.75	1,687.053		
500.00	500.00	522.00	522.00	1.56	1.64	-99.08	-467.31	-2,923.58	2,960.70	2,958.43	2.26	1,309.053		
600.00	600.00	622.00	622.00	1.92	2.00	-99.08	-467.31	-2,923.58	2,960.70	2,957.93	2.77	1,069.408		
700.00	700.00	722.00	722.00	2.28	2.36	-99.08	-467.31	-2,923.58	2,960.70	2,957.42	3.28	903.917		
800.00	800.00	822.00	822.00	2.63	2.71	-99.08	-467.31	-2,923.58	2,960.70	2,956.91	3.78	782.777		
900.00	900.00	922.00	922.00	2.99	3.07	-99.08	-467.31	-2,923.58	2,960.70	2,956.41	4.29	690.267		
1,000.00	1,000.00	1,022.00	1,022.00	3.35	3.43	-99.08	-467.31	-2,923.58	2,960.70	2,955.90	4.80	617.311		
1,100.00	1,100.00	1,122.00	1,122.00	3.71	3.79	-99.08	-467.31	-2,923.58	2,960.70	2,955.39	5.30	558.301		
1,200.00	1,200.00	1,222.00	1,222.00	4.07	4.15	-99.08	-467.31	-2,923.58	2,960.70	2,954.89	5.81	509.588		
1,300.00	1,300.00	1,322.00	1,322.00	4.43	4.51	-99.08	-467.31	-2,923.58	2,960.70	2,954.38	6.32	468.694		
1,400.00	1,400.00	1,422.00	1,422.00	4.79	4.86	-99.08	-467.31	-2,923.58	2,960.70	2,953.87	6.82	433.875		
1,500.00	1,500.00	1,522.00	1,522.00	5.14	5.22	-99.08	-467.31	-2,923.58	2,960.70	2,953.37	7.33	403.872		
1,600.00	1,600.00	1,622.00	1,622.00	5.50	5.58	-99.08	-467.31	-2,923.58	2,960.70	2,952.86	7.84	377.749		
1,700.00	1,700.00	1,722.00	1,722.00	5.86	5.94	-99.08	-467.31	-2,923.58	2,960.70	2,952.35	8.34	354.801		
1,800.00	1,800.00	1,822.00	1,822.00	6.22	6.30	-99.08	-467.31	-2,923.58	2,960.70	2,951.84	8.85	334.481		
1,900.00	1,900.00	1,922.00	1,922.00	6.58	6.66	-99.08	-467.31	-2,923.58	2,960.70	2,951.34	9.36	316.362		
1,907.27	1,907.27	1,929.27	1,929.27	6.60	6.68	-99.08	-467.31	-2,923.58	2,960.70	2,951.30	9.40	315.122 CC		
2,000.00	2,000.00	2,016.21	2,016.21	6.94	6.99	-99.08	-467.28	-2,923.61	2,960.72	2,950.87	9.85	300.565 ES		
2,100.00	2,100.00	2,100.00	2,099.99	7.29	7.29	-99.06	-466.26	-2,924.36	2,961.38	2,951.07	10.31	287.098		
2,200.00	2,200.00	2,163.44	2,163.39	7.65	7.52	-99.02	-464.50	-2,925.67	2,962.89	2,952.16	10.73	276.225		
2,300.00	2,299.99	2,236.89	2,236.74	8.01	7.78	-160.82	-461.41	-2,927.96	2,966.55	2,955.39	11.16	265.834		
2,400.00	2,399.91	2,300.00	2,299.69	8.36	8.01	-160.73	-457.85	-2,930.60	2,973.60	2,962.04	11.56	257.179		
2,471.49	2,471.26	2,362.19	2,361.64	8.61	8.23	-160.62	-453.52	-2,933.80	2,980.66	2,968.76	11.89	250.583		
2,500.00	2,499.70	2,382.91	2,382.27	8.71	8.30	-160.60	-451.90	-2,935.00	2,983.86	2,971.84	12.02	248.306		
2,600.00	2,599.45	2,455.40	2,454.32	9.06	8.56	-160.50	-445.52	-2,939.73	2,995.66	2,983.22	12.44	240.745		
2,700.00	2,699.19	2,542.55	2,540.78	9.42	8.88	-160.35	-436.72	-2,946.25	3,008.23	2,995.32	12.91	233.015		
2,800.00	2,798.94	2,641.35	2,638.78	9.78	9.24	-160.18	-426.63	-2,953.73	3,020.91	3,007.50	13.41	225.264		
2,900.00	2,898.69	2,740.16	2,736.79	10.13	9.61	-160.02	-416.53	-2,961.21	3,033.61	3,019.69	13.91	218.035		
3,000.00	2,998.44	2,838.96	2,834.79	10.49	9.98	-159.85	-406.44	-2,968.70	3,046.33	3,031.92	14.42	211.280		
3,100.00	3,098.18	2,937.77	2,932.79	10.85	10.35	-159.69	-396.34	-2,976.18	3,059.08	3,044.16	14.93	204.957		
3,200.00	3,197.93	3,036.58	3,030.79	11.22	10.73	-159.53	-386.25	-2,983.66	3,071.86	3,056.43	15.43	199.028		
3,300.00	3,297.68	3,135.38	3,128.80	11.58	11.10	-159.37	-376.15	-2,991.14	3,084.66	3,068.72	15.94	193.460		
3,400.00	3,397.43	3,234.19	3,226.80	11.94	11.48	-159.21	-366.06	-2,998.62	3,097.48	3,081.03	16.46	188.223		
3,500.00	3,497.17	3,332.99	3,324.80	12.30	11.86	-159.05	-355.96	-3,006.10	3,110.33	3,093.36	16.97	183.290		
3,600.00	3,596.92	3,431.80	3,422.81	12.67	12.24	-158.89	-345.87	-3,013.58	3,123.20	3,105.72	17.48	178.635		
3,700.00	3,696.67	3,530.60	3,520.81	13.03	12.62	-158.74	-335.77	-3,021.07	3,136.09	3,118.10	18.00	174.238		
3,800.00	3,796.42	3,629.41	3,618.81	13.40	13.01	-158.58	-325.68	-3,028.55	3,149.01	3,130.49	18.52	170.078		
3,900.00	3,896.16	3,728.21	3,716.82	13.76	13.39	-158.43	-315.58	-3,036.03	3,161.95	3,142.92	19.03	166.137		
4,000.00	3,995.91	3,827.02	3,814.82	14.13	13.78	-158.28	-305.49	-3,043.51	3,174.91	3,155.36	19.55	162.399		
4,100.00	4,095.66	3,925.82	3,912.82	14.50	14.17	-158.13	-295.39	-3,050.99	3,187.89	3,167.82	20.07	158.849		
4,200.00	4,195.41	4,024.63	4,010.83	14.86	14.55	-157.98	-285.30	-3,058.47	3,200.89	3,180.31	20.59	155.475		
4,300.00	4,295.15	4,123.43	4,108.83	15.23	14.94	-157.83	-275.20	-3,065.96	3,213.92	3,192.81	21.11	152.263		
4,400.00	4,394.90	4,222.24	4,206.83	15.60	15.33	-157.68	-265.11	-3,073.44	3,226.96	3,205.34	21.63	149.202		
4,500.00	4,494.65	4,321.05	4,304.84	15.97	15.72	-157.54	-255.01	-3,080.92	3,240.03	3,217.88	22.15	146.283		
4,600.00	4,594.40	4,419.85	4,402.84	16.34	16.12	-157.39	-244.92	-3,088.40	3,253.12	3,230.45	22.67	143.496		
4,700.00	4,694.15	4,518.66	4,500.84	16.70	16.51	-157.25	-234.82	-3,095.88	3,266.22	3,243.03	23.19	140.833		
4,800.00	4,793.89	4,617.46	4,598.85	17.07	16.90	-157.11	-224.73	-3,103.36	3,279.35	3,255.64	23.71	138.285		
4,900.00	4,893.64	4,716.27	4,696.85	17.44	17.29	-156.97	-214.63	-3,110.84	3,292.50	3,268.26	24.24	135.846		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,000.00	4,993.39	4,815.07	4,794.85	17.81	17.69	-156.83	-204.54	-3,118.33	3,305.67	3,280.91	24.76	133.509		
5,100.00	5,093.14	4,913.88	4,892.86	18.18	18.08	-156.69	-194.44	-3,125.81	3,318.85	3,293.57	25.28	131.267		
5,200.00	5,192.88	5,012.68	4,990.86	18.55	18.47	-156.55	-184.35	-3,133.29	3,332.06	3,306.25	25.81	129.116		
5,300.00	5,292.63	5,111.49	5,088.86	18.92	18.87	-156.42	-174.25	-3,140.77	3,345.28	3,318.95	26.33	127.050		
5,400.00	5,392.38	5,210.29	5,186.86	19.29	19.26	-156.28	-164.16	-3,148.25	3,358.52	3,331.67	26.85	125.063		
5,500.00	5,492.13	5,309.10	5,284.87	19.66	19.66	-156.15	-154.06	-3,155.73	3,371.79	3,344.41	27.38	123.153		
5,600.00	5,591.87	5,407.90	5,382.87	20.03	20.06	-156.01	-143.97	-3,163.21	3,385.06	3,357.16	27.90	121.314		
5,700.00	5,691.62	5,506.71	5,480.87	20.40	20.45	-155.88	-133.87	-3,170.70	3,398.36	3,369.93	28.43	119.543		
5,800.00	5,791.37	5,605.52	5,578.88	20.77	20.85	-155.75	-123.78	-3,178.18	3,411.68	3,382.72	28.95	117.835		
5,900.00	5,891.12	5,704.32	5,676.88	21.14	21.24	-155.62	-113.68	-3,185.66	3,425.01	3,395.53	29.48	116.189		
6,000.00	5,990.86	5,803.13	5,774.88	21.52	21.64	-155.49	-103.59	-3,193.14	3,438.36	3,408.36	30.00	114.600		
6,100.00	6,090.61	5,901.93	5,872.89	21.89	22.04	-155.36	-93.49	-3,200.62	3,451.73	3,421.20	30.53	113.065		
6,200.00	6,190.36	6,000.74	5,970.89	22.26	22.44	-155.23	-83.40	-3,208.10	3,465.11	3,434.06	31.05	111.583		
6,300.00	6,290.11	6,099.54	6,068.89	22.63	22.83	-155.11	-73.30	-3,215.59	3,478.51	3,446.93	31.58	110.150		
6,400.00	6,389.85	6,198.35	6,166.90	23.00	23.23	-154.98	-63.21	-3,223.07	3,491.93	3,459.82	32.11	108.764		
6,500.00	6,489.60	6,297.15	6,264.90	23.37	23.63	-154.86	-53.11	-3,230.55	3,505.36	3,472.73	32.63	107.423		
6,600.00	6,589.35	6,395.96	6,362.90	23.74	24.03	-154.73	-43.02	-3,238.03	3,518.81	3,485.66	33.16	106.124		
6,700.00	6,689.10	6,494.76	6,460.91	24.12	24.43	-154.61	-32.92	-3,245.51	3,532.28	3,498.60	33.68	104.867		
6,800.00	6,788.84	6,593.57	6,558.91	24.49	24.83	-154.49	-22.83	-3,252.99	3,545.76	3,511.55	34.21	103.648		
6,900.00	6,888.59	6,692.38	6,656.91	24.86	25.22	-154.37	-12.73	-3,260.47	3,559.26	3,524.52	34.74	102.466		
7,000.00	6,988.34	6,791.18	6,754.92	25.23	25.62	-154.25	-2.64	-3,267.96	3,572.77	3,537.51	35.26	101.320		
7,069.58	7,057.74	6,859.93	6,823.10	25.49	25.90	-154.17	4.39	-3,273.16	3,582.18	3,546.56	35.63	100.542		
7,100.00	7,088.09	6,890.00	6,852.93	25.60	26.02	-154.16	7.46	-3,275.44	3,586.19	3,550.40	35.79	100.205		
7,200.00	7,187.97	7,031.34	6,993.23	25.97	26.59	-154.05	21.24	-3,285.65	3,597.64	3,561.19	36.45	98.699		
7,300.00	7,287.93	7,245.13	7,206.32	26.33	27.39	-153.91	34.75	-3,295.66	3,604.23	3,566.93	37.31	96.615		
7,341.07	7,329.00	7,333.41	7,294.53	26.47	27.71	-91.99	37.52	-3,297.72	3,605.34	3,567.71	37.64	95.789		
7,400.00	7,387.93	7,448.82	7,409.93	26.67	28.10	-91.98	38.69	-3,298.58	3,605.73	3,567.66	38.07	94.711		
7,500.00	7,487.93	7,548.82	7,509.93	27.02	28.43	-91.98	38.69	-3,298.58	3,605.73	3,567.17	38.56	93.515		
7,600.00	7,587.93	7,648.82	7,609.93	27.37	28.77	-91.98	38.69	-3,298.58	3,605.73	3,566.68	39.04	92.348		
7,700.00	7,687.93	7,748.82	7,709.93	27.72	29.10	-91.98	38.69	-3,298.58	3,605.73	3,566.20	39.53	91.209		
7,800.00	7,787.93	7,848.82	7,809.93	28.06	29.44	-91.98	38.69	-3,298.58	3,605.73	3,565.71	40.02	90.096		
7,900.00	7,887.93	7,948.82	7,909.93	28.41	29.77	-91.98	38.69	-3,298.58	3,605.73	3,565.22	40.51	89.009		
7,909.41	7,897.35	7,958.23	7,919.35	28.44	29.81	-91.98	38.69	-3,298.58	3,605.73	3,565.17	40.56	88.908		
8,000.00	7,987.93	8,046.41	8,007.52	28.76	30.10	-91.98	38.48	-3,298.58	3,605.73	3,564.74	40.99	87.965		
8,100.00	8,087.93	8,131.92	8,092.51	29.11	30.33	-92.12	29.81	-3,298.50	3,606.00	3,564.60	41.40	87.092		
8,200.00	8,187.93	8,213.15	8,171.20	29.46	30.51	-92.43	9.96	-3,298.30	3,606.76	3,564.98	41.78	86.325		
8,300.00	8,287.93	8,287.47	8,240.10	29.81	30.63	-92.87	-17.79	-3,298.03	3,608.24	3,566.12	42.12	85.664		
8,400.00	8,387.93	8,350.00	8,294.87	30.16	30.72	-93.35	-47.87	-3,297.73	3,610.73	3,568.31	42.42	85.109		
8,500.00	8,487.93	8,411.35	8,345.12	30.51	30.77	-93.91	-83.02	-3,297.39	3,614.54	3,571.83	42.71	84.631		
8,600.00	8,587.93	8,461.24	8,383.03	30.86	30.80	-94.42	-115.44	-3,297.07	3,619.94	3,576.97	42.97	84.251		
8,700.00	8,687.93	8,500.00	8,410.44	31.21	30.82	-94.85	-142.82	-3,296.80	3,627.15	3,583.95	43.20	83.969		
8,800.00	8,787.93	8,550.00	8,442.97	31.56	30.83	-95.45	-180.78	-3,296.43	3,636.36	3,592.94	43.42	83.742		
8,900.00	8,887.93	8,572.98	8,456.78	31.91	30.83	-95.74	-199.14	-3,296.25	3,647.67	3,604.07	43.60	83.656		
9,000.00	8,987.93	8,600.00	8,472.06	32.26	30.84	-96.09	-221.42	-3,296.03	3,661.22	3,617.45	43.77	83.646 SF		
9,100.00	9,087.93	8,624.64	8,485.06	32.61	30.83	-96.42	-242.34	-3,295.83	3,677.05	3,633.13	43.92	83.726		
9,200.00	9,187.93	8,650.00	8,497.50	32.96	30.83	-96.77	-264.44	-3,295.61	3,695.22	3,651.17	44.05	83.891		
9,300.00	9,287.93	8,650.00	8,497.50	33.31	30.83	-96.77	-264.44	-3,295.61	3,715.80	3,671.67	44.12	84.213		
9,400.00	9,387.93	8,680.69	8,511.22	33.66	30.82	-97.20	-291.89	-3,295.34	3,738.59	3,694.36	44.23	84.529		
9,500.00	9,487.93	8,700.00	8,519.09	34.01	30.82	-97.48	-309.52	-3,295.17	3,763.81	3,719.51	44.30	84.968		
9,600.00	9,587.93	8,700.00	8,519.09	34.36	30.82	-97.48	-309.52	-3,295.17	3,791.36	3,747.04	44.32	85.551		
9,700.00	9,687.93	8,720.22	8,526.69	34.72	30.81	-97.77	-328.26	-3,294.98	3,821.16	3,776.81	44.36	86.147		
9,800.00	9,787.93	8,730.87	8,530.42	35.07	30.81	-97.93	-338.23	-3,294.88	3,853.25	3,808.89	44.37	86.853		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,900.00	9,887.93	8,750.00	8,536.67	35.42	30.81	-98.21	-356.31	-3,294.71	3,887.60	3,843.22	44.38	87.607		
10,000.00	9,987.93	8,750.00	8,536.67	35.77	30.81	-98.21	-356.31	-3,294.71	3,924.04	3,879.70	44.34	88.495		
10,100.00	10,087.93	8,750.00	8,536.67	36.12	30.81	-98.21	-356.31	-3,294.71	3,962.67	3,918.37	44.30	89.456		
10,200.00	10,187.93	8,750.00	8,536.67	36.48	30.81	-98.21	-356.31	-3,294.71	4,003.42	3,959.18	44.24	90.486		
10,300.00	10,287.93	8,771.56	8,542.98	36.83	30.80	-98.53	-376.92	-3,294.50	4,046.00	4,001.77	44.22	91.493		
10,400.00	10,387.93	8,777.84	8,544.67	37.18	30.80	-98.62	-382.97	-3,294.44	4,090.64	4,046.47	44.17	92.620		
10,500.00	10,487.93	8,800.00	8,550.10	37.53	30.79	-98.96	-404.45	-3,294.23	4,137.32	4,093.19	44.13	93.747		
10,600.00	10,587.93	8,800.00	8,550.10	37.89	30.79	-98.96	-404.45	-3,294.23	4,185.62	4,141.56	44.06	95.005		
10,700.00	10,687.93	8,800.00	8,550.10	38.24	30.79	-98.96	-404.45	-3,294.23	4,235.72	4,191.75	43.98	96.314		
10,800.00	10,787.93	8,800.00	8,550.10	38.59	30.79	-98.96	-404.45	-3,294.23	4,287.58	4,243.68	43.90	97.671		
10,900.00	10,887.93	8,800.00	8,550.10	38.94	30.79	-98.96	-404.45	-3,294.23	4,341.12	4,297.30	43.82	99.073		
11,000.00	10,987.93	8,800.00	8,550.10	39.30	30.79	-98.96	-404.45	-3,294.23	4,396.28	4,352.54	43.74	100.514		
11,100.00	11,087.93	8,800.00	8,550.10	39.65	30.79	-98.96	-404.45	-3,294.23	4,453.00	4,409.34	43.66	101.993		
11,200.00	11,187.93	8,800.00	8,550.10	40.00	30.79	-98.96	-404.45	-3,294.23	4,511.23	4,467.64	43.58	103.505		
11,300.00	11,287.93	8,800.00	8,550.10	40.36	30.79	-98.96	-404.45	-3,294.23	4,570.90	4,527.39	43.51	105.047		
11,400.00	11,387.93	8,821.33	8,554.55	40.71	30.79	-99.28	-425.31	-3,294.03	4,631.67	4,588.18	43.49	106.511		
11,500.00	11,487.93	8,824.37	8,555.12	41.07	30.79	-99.33	-428.30	-3,294.00	4,693.97	4,650.54	43.43	108.085		
11,600.00	11,587.93	8,827.25	8,555.64	41.42	30.79	-99.37	-431.13	-3,293.97	4,757.55	4,714.17	43.38	109.678		
11,700.00	11,687.93	8,850.00	8,559.29	41.77	30.79	-99.72	-453.58	-3,293.75	4,822.63	4,779.26	43.37	111.206		
11,800.00	11,787.93	8,850.00	8,559.29	42.13	30.79	-99.72	-453.58	-3,293.75	4,888.54	4,845.22	43.32	112.838		
11,900.00	11,887.93	8,850.00	8,559.29	42.48	30.79	-99.72	-453.58	-3,293.75	4,955.60	4,912.31	43.29	114.480		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	22.00	22.00	0.00	0.03	-99.30	-466.61	-2,848.63	2,886.59					
100.00	100.00	122.00	122.00	0.13	0.20	-99.30	-466.61	-2,848.63	2,886.59	2,886.35	0.24	N/A		
200.00	200.00	222.00	222.00	0.48	0.56	-99.30	-466.61	-2,848.63	2,886.59	2,885.85	0.74	3,888.956		
300.00	300.00	322.00	322.00	0.84	0.92	-99.30	-466.61	-2,848.63	2,886.59	2,885.34	1.25	2,312.311		
400.00	400.00	422.00	422.00	1.20	1.28	-99.30	-466.61	-2,848.63	2,886.59	2,884.83	1.75	1,644.825		
500.00	500.00	522.00	522.00	1.56	1.64	-99.30	-466.61	-2,848.63	2,886.59	2,884.33	2.26	1,276.287		
600.00	600.00	622.00	622.00	1.92	2.00	-99.30	-466.61	-2,848.63	2,886.59	2,883.82	2.77	1,042.640		
700.00	700.00	722.00	722.00	2.28	2.36	-99.30	-466.61	-2,848.63	2,886.59	2,883.31	3.28	881.292		
800.00	800.00	822.00	822.00	2.63	2.71	-99.30	-466.61	-2,848.63	2,886.59	2,882.81	3.78	763.184		
900.00	900.00	922.00	922.00	2.99	3.07	-99.30	-466.61	-2,848.63	2,886.59	2,882.30	4.29	672.989		
1,000.00	1,000.00	1,022.00	1,022.00	3.35	3.43	-99.30	-466.61	-2,848.63	2,886.59	2,881.79	4.80	601.859		
1,100.00	1,100.00	1,122.00	1,122.00	3.71	3.79	-99.30	-466.61	-2,848.63	2,886.59	2,881.29	5.30	544.326		
1,200.00	1,200.00	1,222.00	1,222.00	4.07	4.15	-99.30	-466.61	-2,848.63	2,886.59	2,880.78	5.81	496.833		
1,300.00	1,300.00	1,322.00	1,322.00	4.43	4.51	-99.30	-466.61	-2,848.63	2,886.59	2,880.27	6.32	456.962		
1,400.00	1,400.00	1,422.00	1,422.00	4.79	4.86	-99.30	-466.61	-2,848.63	2,886.59	2,879.76	6.82	423.015		
1,500.00	1,500.00	1,522.00	1,522.00	5.14	5.22	-99.30	-466.61	-2,848.63	2,886.59	2,879.26	7.33	393.762		
1,600.00	1,600.00	1,622.00	1,622.00	5.50	5.58	-99.30	-466.61	-2,848.63	2,886.59	2,878.75	7.84	368.294		
1,700.00	1,700.00	1,722.00	1,722.00	5.86	5.94	-99.30	-466.61	-2,848.63	2,886.59	2,878.24	8.34	345.920		
1,800.00	1,800.00	1,822.00	1,822.00	6.22	6.30	-99.30	-466.61	-2,848.63	2,886.59	2,877.74	8.85	326.109		
1,900.00	1,900.00	1,922.00	1,922.00	6.58	6.66	-99.30	-466.61	-2,848.63	2,886.59	2,877.23	9.36	308.444		
2,000.00	2,000.00	2,022.00	2,022.00	6.94	7.02	-99.30	-466.61	-2,848.63	2,886.59	2,876.72	9.87	292.594		
2,100.00	2,100.00	2,122.00	2,122.00	7.29	7.37	-99.30	-466.61	-2,848.63	2,886.59	2,876.22	10.37	278.294		
2,200.00	2,200.00	2,269.28	2,269.27	7.65	7.90	-99.30	-466.25	-2,848.11	2,886.41	2,875.41	11.00	262.466		
2,300.00	2,299.99	2,583.30	2,582.66	8.01	9.01	-161.06	-455.66	-2,832.83	2,882.30	2,870.29	12.01	240.031		
2,400.00	2,399.91	2,894.13	2,890.32	8.36	10.14	-160.81	-430.77	-2,796.94	2,873.29	2,860.32	12.97	221.472		
2,471.49	2,471.26	3,005.14	2,999.26	8.61	10.57	-160.71	-418.63	-2,779.43	2,864.91	2,851.50	13.41	213.600		
2,500.00	2,499.70	3,033.42	3,026.99	8.71	10.68	-160.67	-415.48	-2,774.88	2,861.77	2,848.21	13.55	211.139		
2,600.00	2,599.45	3,132.62	3,124.27	9.06	11.07	-160.54	-404.40	-2,758.90	2,850.75	2,836.70	14.05	202.860		
2,700.00	2,699.19	3,231.81	3,221.54	9.42	11.46	-160.42	-393.32	-2,742.93	2,839.75	2,825.19	14.55	195.112		
2,800.00	2,798.94	3,331.01	3,318.81	9.78	11.86	-160.29	-382.25	-2,726.96	2,828.76	2,813.70	15.06	187.848		
2,900.00	2,898.69	3,430.21	3,416.09	10.13	12.26	-160.16	-371.17	-2,710.98	2,817.78	2,802.21	15.57	181.028		
3,000.00	2,998.44	3,529.40	3,513.36	10.49	12.67	-160.03	-360.10	-2,695.01	2,806.82	2,790.74	16.07	174.616		
3,100.00	3,098.18	3,628.60	3,610.63	10.85	13.09	-159.90	-349.02	-2,679.04	2,795.87	2,779.29	16.59	168.577		
3,200.00	3,197.93	3,727.79	3,707.91	11.22	13.50	-159.77	-337.95	-2,663.06	2,784.94	2,767.84	17.10	162.882		
3,300.00	3,297.68	3,826.99	3,805.18	11.58	13.93	-159.64	-326.87	-2,647.09	2,774.02	2,756.41	17.61	157.504		
3,400.00	3,397.43	3,926.19	3,902.45	11.94	14.35	-159.51	-315.80	-2,631.12	2,763.12	2,744.99	18.13	152.418		
3,500.00	3,497.17	4,025.38	3,999.73	12.30	14.78	-159.37	-304.72	-2,615.14	2,752.23	2,733.58	18.65	147.603		
3,600.00	3,596.92	4,124.58	4,097.00	12.67	15.20	-159.24	-293.65	-2,599.17	2,741.35	2,722.19	19.17	143.038		
3,700.00	3,696.67	4,223.77	4,194.27	13.03	15.64	-159.10	-282.57	-2,583.19	2,730.49	2,710.81	19.69	138.705		
3,800.00	3,796.42	4,322.97	4,291.54	13.40	16.07	-158.96	-271.50	-2,567.22	2,719.65	2,699.45	20.21	134.588		
3,900.00	3,896.16	4,422.17	4,388.82	13.76	16.51	-158.82	-260.42	-2,551.25	2,708.83	2,688.10	20.73	130.672		
4,000.00	3,995.91	4,521.36	4,486.09	14.13	16.94	-158.68	-249.35	-2,535.27	2,698.01	2,676.76	21.25	126.941		
4,100.00	4,095.66	4,620.56	4,583.36	14.50	17.38	-158.54	-238.27	-2,519.30	2,687.22	2,665.44	21.78	123.386		
4,200.00	4,195.41	4,719.75	4,680.64	14.86	17.82	-158.40	-227.20	-2,503.33	2,676.44	2,654.14	22.31	119.992		
4,300.00	4,295.15	4,818.95	4,777.91	15.23	18.26	-158.26	-216.12	-2,487.35	2,665.68	2,642.85	22.83	116.751		
4,400.00	4,394.90	4,918.15	4,875.18	15.60	18.71	-158.11	-205.05	-2,471.38	2,654.93	2,631.57	23.36	113.652		
4,500.00	4,494.65	5,017.34	4,972.46	15.97	19.15	-157.97	-193.97	-2,455.41	2,644.20	2,620.32	23.89	110.686		
4,600.00	4,594.40	5,116.54	5,069.73	16.34	19.60	-157.82	-182.90	-2,439.43	2,633.49	2,609.07	24.42	107.846		
4,700.00	4,694.15	5,215.74	5,167.00	16.70	20.05	-157.67	-171.82	-2,423.46	2,622.80	2,597.85	24.95	105.123		
4,800.00	4,793.89	5,314.93	5,264.28	17.07	20.49	-157.52	-160.75	-2,407.48	2,612.12	2,586.64	25.48	102.512		
4,900.00	4,893.64	5,414.13	5,361.55	17.44	20.94	-157.37	-149.67	-2,391.51	2,601.46	2,575.45	26.01	100.004		
5,000.00	4,993.39	5,513.32	5,458.82	17.81	21.39	-157.22	-138.60	-2,375.54	2,590.82	2,564.28	26.55	97.595		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - PF Fed Com 102H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
							+N/-S (usft)	+E/-W (usft)						
19,000.00	12,740.00	14,890.26	8,643.00	114.05	104.38	30.28	-6,354.09	-2,035.87	4,769.94	4,669.68	100.26	47.575		
19,100.00	12,740.00	14,990.26	8,643.00	115.57	105.95	30.28	-6,454.08	-2,034.89	4,769.94	4,668.29	101.65	46.925		
19,200.00	12,740.00	15,090.26	8,643.00	117.09	107.53	30.28	-6,554.08	-2,033.91	4,769.95	4,666.91	103.04	46.291		
19,300.00	12,740.00	15,190.26	8,643.00	118.62	109.10	30.28	-6,654.08	-2,032.93	4,769.96	4,665.52	104.44	45.673		
19,400.00	12,740.00	15,290.26	8,643.00	120.15	110.68	30.28	-6,754.07	-2,031.96	4,769.96	4,664.13	105.83	45.070		
19,500.00	12,740.00	15,390.26	8,643.00	121.68	112.26	30.29	-6,854.07	-2,030.98	4,769.97	4,662.74	107.23	44.482		
19,600.00	12,740.00	15,490.26	8,643.00	123.21	113.84	30.29	-6,954.06	-2,030.00	4,769.98	4,661.34	108.64	43.908		
19,700.00	12,740.00	15,590.26	8,643.00	124.75	115.43	30.29	-7,054.06	-2,029.02	4,769.98	4,659.94	110.04	43.347		
19,800.00	12,740.00	15,690.26	8,643.00	126.29	117.01	30.29	-7,154.05	-2,028.04	4,769.99	4,658.54	111.45	42.799		
19,900.00	12,740.00	15,790.26	8,643.00	127.84	118.60	30.29	-7,254.05	-2,027.06	4,770.00	4,657.14	112.86	42.265		
20,000.00	12,740.00	15,890.26	8,643.00	129.38	120.19	30.29	-7,354.04	-2,026.08	4,770.00	4,655.74	114.27	41.744		
20,100.00	12,740.00	15,990.26	8,643.00	130.93	121.78	30.29	-7,454.04	-2,025.10	4,770.01	4,654.33	115.68	41.234		
20,200.00	12,740.00	16,090.26	8,643.00	132.48	123.37	30.29	-7,554.03	-2,024.12	4,770.02	4,652.92	117.09	40.737		
20,300.00	12,740.00	16,190.26	8,643.00	134.04	124.97	30.29	-7,654.03	-2,023.14	4,770.02	4,651.51	118.51	40.250		
20,400.00	12,740.00	16,290.26	8,643.00	135.59	126.56	30.29	-7,754.02	-2,022.16	4,770.03	4,650.10	119.93	39.774		
20,500.00	12,740.00	16,390.26	8,643.00	137.15	128.16	30.29	-7,854.02	-2,021.18	4,770.04	4,648.69	121.35	39.309		
20,600.00	12,740.00	16,490.26	8,643.00	138.71	129.76	30.29	-7,954.01	-2,020.20	4,770.04	4,647.27	122.77	38.854		
20,700.00	12,740.00	16,590.26	8,643.00	140.27	131.36	30.29	-8,054.01	-2,019.22	4,770.05	4,645.86	124.19	38.408		
20,800.00	12,740.00	16,690.26	8,643.00	141.84	132.96	30.29	-8,154.00	-2,018.24	4,770.06	4,644.44	125.62	37.973		
20,900.00	12,740.00	16,790.26	8,643.00	143.41	134.56	30.29	-8,254.00	-2,017.27	4,770.06	4,643.02	127.04	37.547		
21,000.00	12,740.00	16,890.26	8,643.00	144.97	136.16	30.29	-8,353.99	-2,016.29	4,770.07	4,641.60	128.47	37.131		
21,100.00	12,740.00	16,990.26	8,643.00	146.54	137.77	30.29	-8,453.99	-2,015.31	4,770.08	4,640.18	129.89	36.723		
21,200.00	12,740.00	17,090.26	8,643.00	148.12	139.37	30.29	-8,553.98	-2,014.33	4,770.08	4,638.76	131.32	36.324		
21,300.00	12,740.00	17,190.26	8,643.00	149.69	140.98	30.29	-8,653.98	-2,013.35	4,770.09	4,637.34	132.75	35.933		
21,400.00	12,740.00	17,290.26	8,643.00	151.26	142.59	30.29	-8,753.97	-2,012.37	4,770.10	4,635.92	134.18	35.550		
21,500.00	12,740.00	17,390.26	8,643.00	152.84	144.20	30.29	-8,853.97	-2,011.39	4,770.10	4,634.49	135.61	35.175		
21,600.00	12,740.00	17,490.26	8,643.00	154.42	145.81	30.29	-8,953.97	-2,010.41	4,770.11	4,633.07	137.04	34.807		
21,700.00	12,740.00	17,590.26	8,643.00	156.00	147.42	30.29	-9,053.96	-2,009.43	4,770.12	4,631.64	138.48	34.447		
21,800.00	12,740.00	17,690.26	8,643.00	157.58	149.03	30.29	-9,153.96	-2,008.45	4,770.12	4,630.21	139.91	34.093		
21,900.00	12,740.00	17,790.26	8,643.00	159.16	150.64	30.29	-9,253.95	-2,007.47	4,770.13	4,628.78	141.35	33.747		
22,000.00	12,740.00	17,890.26	8,643.00	160.75	152.25	30.29	-9,353.95	-2,006.49	4,770.14	4,627.35	142.79	33.407		
22,100.00	12,740.00	17,990.26	8,643.00	162.33	153.87	30.29	-9,453.94	-2,005.51	4,770.14	4,625.92	144.23	33.074		
22,200.00	12,740.00	18,090.26	8,643.00	163.92	155.48	30.29	-9,553.94	-2,004.53	4,770.15	4,624.48	145.67	32.747		
22,300.00	12,740.00	18,190.26	8,643.00	165.51	157.10	30.29	-9,653.93	-2,003.55	4,770.16	4,623.05	147.11	32.426		
22,400.00	12,740.00	18,290.26	8,643.00	167.10	158.71	30.29	-9,753.93	-2,002.58	4,770.16	4,621.61	148.55	32.111		
22,500.00	12,740.00	18,390.26	8,643.00	168.69	160.33	30.29	-9,853.92	-2,001.60	4,770.17	4,620.18	149.99	31.803		
22,600.00	12,740.00	18,490.26	8,643.00	170.28	161.95	30.29	-9,953.92	-2,000.62	4,770.18	4,618.74	151.43	31.500		
22,700.00	12,740.00	18,590.26	8,643.00	171.87	163.57	30.29	-10,053.91	-1,999.64	4,770.18	4,617.31	152.87	31.203		
22,800.00	12,740.00	18,690.26	8,643.00	173.47	165.19	30.29	-10,153.91	-1,998.66	4,770.19	4,615.87	154.32	30.912		
22,874.14	12,740.00	18,764.40	8,643.00	174.65	166.39	30.29	-10,228.04	-1,997.93	4,770.20	4,614.81	155.39	30.699 SF		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		PF Fed Com - PF Fed Com 501H - OH - Plan #1											Offset Site Error:		0.00 usft
Survey Program:		0-OWSG (Rev2) MWD											Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
19,200.00	12,740.00	17,120.06	10,619.00	117.09	109.91	59.27	-6,565.69	-3,233.50	4,193.96	4,050.16	143.80	29.166			
19,300.00	12,740.00	17,220.06	10,619.00	118.62	111.46	59.27	-6,665.68	-3,232.53	4,193.97	4,048.25	145.72	28.781			
19,400.00	12,740.00	17,320.06	10,619.00	120.15	113.02	59.27	-6,765.68	-3,231.55	4,193.99	4,046.34	147.65	28.405			
19,500.00	12,740.00	17,420.06	10,619.00	121.68	114.57	59.27	-6,865.67	-3,230.58	4,194.00	4,044.42	149.59	28.038			
19,600.00	12,740.00	17,520.06	10,619.00	123.21	116.13	59.27	-6,965.67	-3,229.60	4,194.02	4,042.50	151.52	27.680			
19,700.00	12,740.00	17,620.06	10,619.00	124.75	117.69	59.27	-7,065.66	-3,228.63	4,194.03	4,040.57	153.46	27.330			
19,800.00	12,740.00	17,720.06	10,619.00	126.29	119.25	59.27	-7,165.66	-3,227.65	4,194.05	4,038.65	155.40	26.989			
19,900.00	12,740.00	17,820.06	10,619.00	127.84	120.82	59.27	-7,265.65	-3,226.68	4,194.06	4,036.72	157.34	26.655			
20,000.00	12,740.00	17,920.06	10,619.00	129.38	122.39	59.27	-7,365.65	-3,225.70	4,194.08	4,034.78	159.29	26.329			
20,100.00	12,740.00	18,020.06	10,619.00	130.93	123.96	59.27	-7,465.64	-3,224.73	4,194.09	4,032.85	161.24	26.011			
20,200.00	12,740.00	18,120.06	10,619.00	132.48	125.53	59.27	-7,565.64	-3,223.75	4,194.10	4,030.91	163.20	25.699			
20,300.00	12,740.00	18,220.06	10,619.00	134.04	127.10	59.27	-7,665.63	-3,222.77	4,194.12	4,028.96	165.16	25.395			
20,400.00	12,740.00	18,320.06	10,619.00	135.59	128.68	59.27	-7,765.63	-3,221.80	4,194.13	4,027.02	167.12	25.097			
20,500.00	12,740.00	18,420.06	10,619.00	137.15	130.25	59.27	-7,865.62	-3,220.82	4,194.15	4,025.07	169.08	24.806			
20,600.00	12,740.00	18,520.06	10,619.00	138.71	131.83	59.27	-7,965.62	-3,219.85	4,194.16	4,023.12	171.04	24.521			
20,700.00	12,740.00	18,620.06	10,619.00	140.27	133.42	59.27	-8,065.61	-3,218.87	4,194.18	4,021.17	173.01	24.242			
20,800.00	12,740.00	18,720.06	10,619.00	141.84	135.00	59.27	-8,165.61	-3,217.90	4,194.19	4,019.21	174.98	23.970			
20,900.00	12,740.00	18,820.06	10,619.00	143.41	136.58	59.27	-8,265.61	-3,216.92	4,194.21	4,017.26	176.95	23.703			
21,000.00	12,740.00	18,920.06	10,619.00	144.97	138.17	59.27	-8,365.60	-3,215.95	4,194.22	4,015.30	178.92	23.441			
21,100.00	12,740.00	19,020.06	10,619.00	146.54	139.76	59.27	-8,465.60	-3,214.97	4,194.24	4,013.34	180.90	23.186			
21,200.00	12,740.00	19,120.06	10,619.00	148.12	141.35	59.27	-8,565.59	-3,214.00	4,194.25	4,011.38	182.87	22.935			
21,300.00	12,740.00	19,220.06	10,619.00	149.69	142.94	59.27	-8,665.59	-3,213.02	4,194.27	4,009.42	184.85	22.690			
21,400.00	12,740.00	19,320.06	10,619.00	151.26	144.53	59.27	-8,765.58	-3,212.05	4,194.28	4,007.45	186.83	22.450			
21,500.00	12,740.00	19,420.06	10,619.00	152.84	146.12	59.27	-8,865.58	-3,211.07	4,194.30	4,005.48	188.81	22.214			
21,600.00	12,740.00	19,520.06	10,619.00	154.42	147.72	59.27	-8,965.57	-3,210.09	4,194.31	4,003.51	190.80	21.983			
21,700.00	12,740.00	19,620.06	10,619.00	156.00	149.31	59.27	-9,065.57	-3,209.12	4,194.33	4,001.54	192.78	21.757			
21,800.00	12,740.00	19,720.06	10,619.00	157.58	150.91	59.27	-9,165.56	-3,208.14	4,194.34	3,999.57	194.77	21.535			
21,900.00	12,740.00	19,820.06	10,619.00	159.16	152.51	59.27	-9,265.56	-3,207.17	4,194.36	3,997.59	196.76	21.317			
22,000.00	12,740.00	19,920.06	10,619.00	160.75	154.11	59.27	-9,365.55	-3,206.19	4,194.37	3,995.62	198.75	21.104			
22,100.00	12,740.00	20,020.06	10,619.00	162.33	155.71	59.27	-9,465.55	-3,205.22	4,194.38	3,993.64	200.74	20.894			
22,200.00	12,740.00	20,120.06	10,619.00	163.92	157.31	59.27	-9,565.54	-3,204.24	4,194.40	3,991.67	202.73	20.689			
22,300.00	12,740.00	20,220.06	10,619.00	165.51	158.91	59.28	-9,665.54	-3,203.27	4,194.41	3,989.69	204.73	20.488			
22,400.00	12,740.00	20,320.06	10,619.00	167.10	160.51	59.28	-9,765.53	-3,202.29	4,194.43	3,987.71	206.72	20.290			
22,500.00	12,740.00	20,420.06	10,619.00	168.69	162.12	59.28	-9,865.53	-3,201.32	4,194.44	3,985.73	208.72	20.096			
22,600.00	12,740.00	20,520.06	10,619.00	170.28	163.72	59.28	-9,965.52	-3,200.34	4,194.46	3,983.74	210.71	19.906			
22,700.00	12,740.00	20,620.06	10,619.00	171.87	165.33	59.28	-10,065.52	-3,199.37	4,194.47	3,981.76	212.71	19.719			
22,800.00	12,740.00	20,720.06	10,619.00	173.47	166.90	59.28	-10,165.51	-3,198.39	4,194.49	3,979.81	214.68	19.538			
22,874.14	12,740.00	20,792.10	10,619.00	174.65	167.92	59.28	-10,237.56	-3,197.69	4,194.50	3,978.46	216.04	19.416 SF			

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													PF Fed Com - PF Fed Com 502H - OH - Plan #1		Offset Site Error:		0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:		0.00 usft		
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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					
19,000.00	12,740.00	16,858.22	10,511.00	114.05	106.84	46.90	-6,354.00	-2,035.68	3,294.27	3,170.89	123.38	26.700					
19,100.00	12,740.00	16,958.22	10,511.00	115.57	108.38	46.90	-6,453.99	-2,034.71	3,294.28	3,169.21	125.08	26.338					
19,200.00	12,740.00	17,058.22	10,511.00	117.09	109.92	46.90	-6,553.99	-2,033.73	3,294.30	3,167.51	126.78	25.984					
19,300.00	12,740.00	17,158.22	10,511.00	118.62	111.47	46.90	-6,653.98	-2,032.76	3,294.31	3,165.82	128.49	25.639					
19,400.00	12,740.00	17,258.22	10,511.00	120.15	113.02	46.90	-6,753.98	-2,031.78	3,294.32	3,164.12	130.20	25.302					
19,500.00	12,740.00	17,358.22	10,511.00	121.68	114.57	46.90	-6,853.98	-2,030.80	3,294.33	3,162.42	131.91	24.974					
19,600.00	12,740.00	17,458.22	10,511.00	123.21	116.13	46.90	-6,953.97	-2,029.83	3,294.35	3,160.72	133.62	24.654					
19,700.00	12,740.00	17,558.22	10,511.00	124.75	117.68	46.90	-7,053.97	-2,028.85	3,294.36	3,159.02	135.34	24.341					
19,800.00	12,740.00	17,658.22	10,511.00	126.29	119.24	46.90	-7,153.96	-2,027.88	3,294.37	3,157.31	137.06	24.035					
19,900.00	12,740.00	17,758.22	10,511.00	127.84	120.81	46.90	-7,253.96	-2,026.90	3,294.38	3,155.59	138.79	23.737					
20,000.00	12,740.00	17,858.22	10,511.00	129.38	122.37	46.90	-7,353.95	-2,025.93	3,294.39	3,153.88	140.52	23.445					
20,100.00	12,740.00	17,958.22	10,511.00	130.93	123.94	46.90	-7,453.95	-2,024.95	3,294.41	3,152.16	142.24	23.160					
20,200.00	12,740.00	18,058.22	10,511.00	132.48	125.51	46.90	-7,553.94	-2,023.98	3,294.42	3,150.45	143.97	22.882					
20,300.00	12,740.00	18,158.22	10,511.00	134.04	127.08	46.90	-7,653.94	-2,023.00	3,294.43	3,148.72	145.71	22.610					
20,400.00	12,740.00	18,258.22	10,511.00	135.59	128.65	46.90	-7,753.93	-2,022.02	3,294.44	3,147.00	147.44	22.344					
20,500.00	12,740.00	18,358.22	10,511.00	137.15	130.23	46.90	-7,853.93	-2,021.05	3,294.46	3,145.28	149.18	22.084					
20,600.00	12,740.00	18,458.22	10,511.00	138.71	131.81	46.90	-7,953.92	-2,020.07	3,294.47	3,143.55	150.92	21.829					
20,700.00	12,740.00	18,558.22	10,511.00	140.27	133.38	46.90	-8,053.92	-2,019.10	3,294.48	3,141.82	152.66	21.581					
20,800.00	12,740.00	18,658.22	10,511.00	141.84	134.97	46.90	-8,153.91	-2,018.12	3,294.49	3,140.09	154.40	21.337					
20,900.00	12,740.00	18,758.22	10,511.00	143.41	136.55	46.90	-8,253.91	-2,017.15	3,294.51	3,138.36	156.15	21.098					
21,000.00	12,740.00	18,858.22	10,511.00	144.97	138.13	46.90	-8,353.90	-2,016.17	3,294.52	3,136.62	157.90	20.865					
21,100.00	12,740.00	18,958.22	10,511.00	146.54	139.72	46.90	-8,453.90	-2,015.19	3,294.53	3,134.89	159.64	20.637					
21,200.00	12,740.00	19,058.22	10,511.00	148.12	141.30	46.90	-8,553.89	-2,014.22	3,294.54	3,133.15	161.39	20.413					
21,300.00	12,740.00	19,158.22	10,511.00	149.69	142.89	46.90	-8,653.89	-2,013.24	3,294.55	3,131.41	163.14	20.194					
21,400.00	12,740.00	19,258.22	10,511.00	151.26	144.48	46.90	-8,753.89	-2,012.27	3,294.57	3,129.67	164.89	19.980					
21,500.00	12,740.00	19,358.22	10,511.00	152.84	146.07	46.90	-8,853.88	-2,011.29	3,294.58	3,127.93	166.65	19.770					
21,600.00	12,740.00	19,458.22	10,511.00	154.42	147.67	46.90	-8,953.88	-2,010.32	3,294.59	3,126.19	168.40	19.564					
21,700.00	12,740.00	19,558.22	10,511.00	156.00	149.26	46.90	-9,053.87	-2,009.34	3,294.60	3,124.44	170.16	19.362					
21,800.00	12,740.00	19,658.22	10,511.00	157.58	150.85	46.90	-9,153.87	-2,008.36	3,294.62	3,122.70	171.92	19.164					
21,900.00	12,740.00	19,758.22	10,511.00	159.16	152.45	46.90	-9,253.86	-2,007.39	3,294.63	3,120.95	173.68	18.970					
22,000.00	12,740.00	19,858.22	10,511.00	160.75	154.05	46.90	-9,353.86	-2,006.41	3,294.64	3,119.21	175.44	18.780					
22,100.00	12,740.00	19,958.22	10,511.00	162.33	155.65	46.90	-9,453.85	-2,005.44	3,294.65	3,117.46	177.20	18.593					
22,200.00	12,740.00	20,058.22	10,511.00	163.92	157.25	46.90	-9,553.85	-2,004.46	3,294.67	3,115.71	178.96	18.410					
22,300.00	12,740.00	20,158.22	10,511.00	165.51	158.85	46.90	-9,653.84	-2,003.49	3,294.68	3,113.96	180.72	18.231					
22,400.00	12,740.00	20,258.22	10,511.00	167.10	160.45	46.90	-9,753.84	-2,002.51	3,294.69	3,112.21	182.48	18.055					
22,500.00	12,740.00	20,358.22	10,511.00	168.69	162.05	46.90	-9,853.83	-2,001.54	3,294.70	3,110.45	184.25	17.882					
22,600.00	12,740.00	20,458.22	10,511.00	170.28	163.66	46.90	-9,953.83	-2,000.56	3,294.71	3,108.70	186.01	17.712					
22,700.00	12,740.00	20,558.22	10,511.00	171.87	165.26	46.90	-10,053.82	-1,999.58	3,294.73	3,106.95	187.78	17.546					
22,800.00	12,740.00	20,658.22	10,511.00	173.47	166.87	46.90	-10,153.82	-1,998.61	3,294.74	3,105.19	189.55	17.382					
22,874.14	12,740.00	20,732.36	10,511.00	174.65	168.06	46.91	-10,227.95	-1,997.88	3,294.75	3,103.89	190.86	17.263 SF					

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

7/17/2021 12:24:44AM

Page 104

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												PF Fed Com - PF Fed Com 801H - OH - Plan #1		Offset Site Error:		0.00 usft	
Survey Program: 0-OWSG (Rev2) MWD														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
19,200.00	12,740.00	19,043.12	12,544.00	117.09	113.09	86.63	-6,566.67	-3,333.59	3,711.61	3,549.15	162.46	22.846					
19,300.00	12,740.00	19,143.12	12,544.00	118.62	114.60	86.63	-6,666.66	-3,332.61	3,711.62	3,547.01	164.61	22.548					
19,400.00	12,740.00	19,243.12	12,544.00	120.15	116.12	86.63	-6,766.66	-3,331.64	3,711.64	3,544.88	166.77	22.257					
19,500.00	12,740.00	19,343.12	12,544.00	121.68	117.65	86.63	-6,866.65	-3,330.66	3,711.66	3,542.73	168.92	21.972					
19,600.00	12,740.00	19,443.12	12,544.00	123.21	119.18	86.63	-6,966.65	-3,329.68	3,711.67	3,540.59	171.09	21.694					
19,700.00	12,740.00	19,543.12	12,544.00	124.75	120.71	86.63	-7,066.64	-3,328.71	3,711.69	3,538.43	173.26	21.423					
19,800.00	12,740.00	19,643.12	12,544.00	126.29	122.24	86.63	-7,166.64	-3,327.73	3,711.71	3,536.28	175.43	21.158					
19,900.00	12,740.00	19,743.12	12,544.00	127.84	123.78	86.63	-7,266.63	-3,326.76	3,711.73	3,534.12	177.61	20.899					
20,000.00	12,740.00	19,843.12	12,544.00	129.38	125.32	86.63	-7,366.63	-3,325.78	3,711.74	3,531.96	179.79	20.645					
20,100.00	12,740.00	19,943.12	12,544.00	130.93	126.86	86.63	-7,466.62	-3,324.81	3,711.76	3,529.79	181.97	20.398					
20,200.00	12,740.00	20,043.12	12,544.00	132.48	128.41	86.63	-7,566.62	-3,323.83	3,711.78	3,527.62	184.16	20.155					
20,300.00	12,740.00	20,143.12	12,544.00	134.04	129.95	86.63	-7,666.61	-3,322.86	3,711.79	3,525.45	186.35	19.919					
20,400.00	12,740.00	20,243.12	12,544.00	135.59	131.50	86.63	-7,766.61	-3,321.88	3,711.81	3,523.27	188.54	19.687					
20,500.00	12,740.00	20,343.12	12,544.00	137.15	133.06	86.63	-7,866.61	-3,320.90	3,711.83	3,521.09	190.74	19.460					
20,600.00	12,740.00	20,443.12	12,544.00	138.71	134.61	86.63	-7,966.60	-3,319.93	3,711.84	3,518.90	192.94	19.238					
20,700.00	12,740.00	20,543.12	12,544.00	140.27	136.17	86.63	-8,066.60	-3,318.95	3,711.86	3,516.72	195.15	19.021					
20,800.00	12,740.00	20,643.12	12,544.00	141.84	137.73	86.63	-8,166.59	-3,317.98	3,711.88	3,514.53	197.35	18.808					
20,900.00	12,740.00	20,743.12	12,544.00	143.41	139.29	86.63	-8,266.59	-3,317.00	3,711.90	3,512.33	199.56	18.600					
21,000.00	12,740.00	20,843.12	12,544.00	144.97	140.86	86.63	-8,366.58	-3,316.03	3,711.91	3,510.14	201.78	18.396					
21,100.00	12,740.00	20,943.12	12,544.00	146.54	142.42	86.63	-8,466.58	-3,315.05	3,711.93	3,507.94	203.99	18.197					
21,200.00	12,740.00	21,043.12	12,544.00	148.12	143.99	86.63	-8,566.57	-3,314.08	3,711.95	3,505.74	206.21	18.001					
21,300.00	12,740.00	21,143.12	12,544.00	149.69	145.56	86.63	-8,666.57	-3,313.10	3,711.96	3,503.53	208.43	17.809					
21,400.00	12,740.00	21,243.12	12,544.00	151.26	147.13	86.63	-8,766.56	-3,312.12	3,711.98	3,501.33	210.65	17.621					
21,500.00	12,740.00	21,343.12	12,544.00	152.84	148.70	86.63	-8,866.56	-3,311.15	3,712.00	3,499.12	212.88	17.437					
21,600.00	12,740.00	21,443.12	12,544.00	154.42	150.28	86.63	-8,966.55	-3,310.17	3,712.01	3,496.91	215.10	17.257					
21,700.00	12,740.00	21,543.12	12,544.00	156.00	151.86	86.63	-9,066.55	-3,309.20	3,712.03	3,494.70	217.33	17.080					
21,800.00	12,740.00	21,643.12	12,544.00	157.58	153.43	86.63	-9,166.54	-3,308.22	3,712.05	3,492.48	219.56	16.907					
21,900.00	12,740.00	21,743.12	12,544.00	159.16	155.01	86.63	-9,266.54	-3,307.25	3,712.06	3,490.27	221.80	16.736					
22,000.00	12,740.00	21,843.12	12,544.00	160.75	156.59	86.63	-9,366.53	-3,306.27	3,712.08	3,488.05	224.03	16.569					
22,100.00	12,740.00	21,943.12	12,544.00	162.33	158.18	86.63	-9,466.53	-3,305.30	3,712.10	3,485.83	226.27	16.406					
22,200.00	12,740.00	22,043.12	12,544.00	163.92	159.76	86.63	-9,566.52	-3,304.32	3,712.12	3,483.61	228.51	16.245					
22,300.00	12,740.00	22,143.12	12,544.00	165.51	161.35	86.63	-9,666.52	-3,303.34	3,712.13	3,481.38	230.75	16.087					
22,400.00	12,740.00	22,243.12	12,544.00	167.10	162.93	86.63	-9,766.51	-3,302.37	3,712.15	3,479.16	232.99	15.932					
22,500.00	12,740.00	22,343.12	12,544.00	168.69	164.52	86.63	-9,866.51	-3,301.39	3,712.17	3,476.93	235.24	15.780					
22,600.00	12,740.00	22,443.12	12,544.00	170.28	166.11	86.63	-9,966.51	-3,300.42	3,712.18	3,474.70	237.48	15.631					
22,700.00	12,740.00	22,543.12	12,544.00	171.87	167.70	86.63	-10,066.50	-3,299.44	3,712.20	3,472.47	239.73	15.485					
22,800.00	12,740.00	22,643.12	12,544.00	173.47	169.29	86.63	-10,166.50	-3,298.47	3,712.22	3,470.24	241.98	15.341					
22,874.14	12,740.00	22,715.49	12,544.00	174.65	170.44	86.63	-10,238.86	-3,297.76	3,712.23	3,468.60	243.63	15.237	SF				

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	22.00	22.00	0.00	0.03	-97.73	-392.01	-2,886.81	2,913.30					
100.00	100.00	122.00	122.00	0.13	0.20	-97.73	-392.01	-2,886.81	2,913.30	2,913.06	0.24	N/A		
200.00	200.00	222.00	222.00	0.48	0.56	-97.73	-392.01	-2,886.81	2,913.30	2,912.56	0.74	3,924.944		
300.00	300.00	322.00	322.00	0.84	0.92	-97.73	-392.01	-2,886.81	2,913.30	2,912.05	1.25	2,333.709		
400.00	400.00	422.00	422.00	1.20	1.28	-97.73	-392.01	-2,886.81	2,913.30	2,911.55	1.75	1,660.046		
500.00	500.00	522.00	522.00	1.56	1.64	-97.73	-392.01	-2,886.81	2,913.30	2,911.04	2.26	1,288.097		
600.00	600.00	622.00	622.00	1.92	2.00	-97.73	-392.01	-2,886.81	2,913.30	2,910.53	2.77	1,052.289		
700.00	700.00	722.00	722.00	2.28	2.36	-97.73	-392.01	-2,886.81	2,913.30	2,910.03	3.28	889.447		
800.00	800.00	822.00	822.00	2.63	2.71	-97.73	-392.01	-2,886.81	2,913.30	2,909.52	3.78	770.246		
900.00	900.00	922.00	922.00	2.99	3.07	-97.73	-392.01	-2,886.81	2,913.30	2,909.01	4.29	679.217		
1,000.00	1,000.00	1,022.00	1,022.00	3.35	3.43	-97.73	-392.01	-2,886.81	2,913.30	2,908.50	4.80	607.428		
1,100.00	1,100.00	1,122.00	1,122.00	3.71	3.79	-97.73	-392.01	-2,886.81	2,913.30	2,908.00	5.30	549.364		
1,200.00	1,200.00	1,222.00	1,222.00	4.07	4.15	-97.73	-392.01	-2,886.81	2,913.30	2,907.49	5.81	501.431		
1,300.00	1,300.00	1,322.00	1,322.00	4.43	4.51	-97.73	-392.01	-2,886.81	2,913.30	2,906.98	6.32	461.191		
1,400.00	1,400.00	1,422.00	1,422.00	4.79	4.86	-97.73	-392.01	-2,886.81	2,913.30	2,906.48	6.82	426.929		
1,500.00	1,500.00	1,522.00	1,522.00	5.14	5.22	-97.73	-392.01	-2,886.81	2,913.30	2,905.97	7.33	397.406		
1,600.00	1,600.00	1,622.00	1,622.00	5.50	5.58	-97.73	-392.01	-2,886.81	2,913.30	2,905.46	7.84	371.702		
1,700.00	1,700.00	1,722.00	1,722.00	5.86	5.94	-97.73	-392.01	-2,886.81	2,913.30	2,904.96	8.34	349.121		
1,800.00	1,800.00	1,822.00	1,822.00	6.22	6.30	-97.73	-392.01	-2,886.81	2,913.30	2,904.45	8.85	329.126		
1,900.00	1,900.00	1,922.00	1,922.00	6.58	6.66	-97.73	-392.01	-2,886.81	2,913.30	2,903.94	9.36	311.298		
2,000.00	2,000.00	2,022.00	2,022.00	6.94	7.02	-97.73	-392.01	-2,886.81	2,913.30	2,903.44	9.87	295.302		
2,100.00	2,100.00	2,122.00	2,122.00	7.29	7.37	-97.73	-392.01	-2,886.81	2,913.30	2,902.93	10.37	280.869		
2,200.00	2,200.00	2,240.70	2,240.70	7.65	7.80	-97.73	-391.83	-2,886.70	2,913.23	2,902.30	10.93	266.620		
2,300.00	2,299.99	2,425.55	2,425.41	8.01	8.46	-159.53	-386.21	-2,883.55	2,912.36	2,900.72	11.64	250.210		
2,400.00	2,399.91	2,609.84	2,609.06	8.36	9.12	-159.34	-372.86	-2,876.05	2,911.04	2,898.70	12.34	235.848		
2,471.49	2,471.26	2,715.83	2,714.28	8.61	9.50	-159.19	-361.79	-2,869.84	2,909.97	2,897.18	12.78	227.644		
2,500.00	2,499.70	2,744.26	2,742.48	8.71	9.60	-159.15	-358.65	-2,868.07	2,909.69	2,896.77	12.93	225.107		
2,600.00	2,599.45	2,843.96	2,841.38	9.06	9.97	-159.00	-347.62	-2,861.88	2,908.75	2,895.32	13.43	216.614		
2,700.00	2,699.19	2,943.66	2,940.27	9.42	10.33	-158.85	-336.60	-2,855.69	2,907.83	2,893.89	13.93	208.698		
2,800.00	2,798.94	3,043.36	3,039.17	9.78	10.71	-158.70	-325.57	-2,849.50	2,906.92	2,892.48	14.44	201.307		
2,900.00	2,898.69	3,143.07	3,138.06	10.13	11.08	-158.55	-314.54	-2,843.31	2,906.04	2,891.09	14.95	194.392		
3,000.00	2,998.44	3,242.77	3,236.96	10.49	11.45	-158.40	-303.52	-2,837.12	2,905.18	2,889.72	15.46	187.912		
3,100.00	3,098.18	3,342.47	3,335.86	10.85	11.83	-158.25	-292.49	-2,830.93	2,904.34	2,888.36	15.97	181.828		
3,200.00	3,197.93	3,442.17	3,434.75	11.22	12.21	-158.10	-281.46	-2,824.74	2,903.51	2,887.03	16.49	176.108		
3,300.00	3,297.68	3,541.87	3,533.65	11.58	12.59	-157.94	-270.44	-2,818.55	2,902.71	2,885.71	17.00	170.721		
3,400.00	3,397.43	3,641.57	3,632.54	11.94	12.97	-157.79	-259.41	-2,812.36	2,901.93	2,884.41	17.52	165.640		
3,500.00	3,497.17	3,741.27	3,731.44	12.30	13.36	-157.64	-248.38	-2,806.17	2,901.17	2,883.13	18.04	160.840		
3,600.00	3,596.92	3,840.97	3,830.33	12.67	13.74	-157.49	-237.36	-2,799.97	2,900.43	2,881.87	18.56	156.300		
3,700.00	3,696.67	3,940.67	3,929.23	13.03	14.13	-157.34	-226.33	-2,793.78	2,899.71	2,880.63	19.08	152.000		
3,800.00	3,796.42	4,040.37	4,028.13	13.40	14.52	-157.19	-215.30	-2,787.59	2,899.01	2,879.41	19.60	147.922		
3,900.00	3,896.16	4,140.08	4,127.02	13.76	14.90	-157.03	-204.28	-2,781.40	2,898.33	2,878.21	20.12	144.050		
4,000.00	3,995.91	4,239.78	4,225.92	14.13	15.29	-156.88	-193.25	-2,775.21	2,897.67	2,877.03	20.64	140.369		
4,100.00	4,095.66	4,339.48	4,324.81	14.50	15.68	-156.73	-182.22	-2,769.02	2,897.03	2,875.86	21.17	136.865		
4,200.00	4,195.41	4,439.18	4,423.71	14.86	16.07	-156.58	-171.20	-2,762.83	2,896.41	2,874.72	21.69	133.527		
4,300.00	4,295.15	4,538.88	4,522.61	15.23	16.47	-156.43	-160.17	-2,756.64	2,895.82	2,873.60	22.22	130.344		
4,400.00	4,394.90	4,638.58	4,621.50	15.60	16.86	-156.28	-149.14	-2,750.45	2,895.24	2,872.50	22.74	127.304		
4,500.00	4,494.65	4,738.28	4,720.40	15.97	17.25	-156.12	-138.12	-2,744.26	2,894.68	2,871.41	23.27	124.400		
4,600.00	4,494.40	4,837.98	4,819.29	16.34	17.65	-155.97	-127.09	-2,738.07	2,894.15	2,870.35	23.80	121.621		
4,700.00	4,694.15	4,937.68	4,918.19	16.70	18.04	-155.82	-116.07	-2,731.88	2,893.63	2,869.31	24.32	118.962		
4,800.00	4,793.89	5,037.39	5,017.08	17.07	18.43	-155.67	-105.04	-2,725.69	2,893.13	2,868.28	24.85	116.413		
4,900.00	4,893.64	5,137.09	5,115.98	17.44	18.83	-155.51	-94.01	-2,719.50	2,892.66	2,867.28	25.38	113.969		
5,000.00	4,993.39	5,236.79	5,214.88	17.81	19.23	-155.36	-82.99	-2,713.31	2,892.21	2,866.30	25.91	111.623		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,336.49	5,313.77	18.18	19.62	-155.21	-71.96	-2,707.11	2,891.77	2,865.33	26.44	109.370		
5,200.00	5,192.88	5,436.19	5,412.67	18.55	20.02	-155.06	-60.93	-2,700.92	2,891.36	2,864.39	26.97	107.204		
5,300.00	5,292.63	5,535.89	5,511.56	18.92	20.42	-154.90	-49.91	-2,694.73	2,890.97	2,863.47	27.50	105.121		
5,400.00	5,392.38	5,635.59	5,610.46	19.29	20.81	-154.75	-38.88	-2,688.54	2,890.60	2,862.56	28.03	103.116		
5,500.00	5,492.13	5,735.29	5,709.36	19.66	21.21	-154.60	-27.85	-2,682.35	2,890.25	2,861.68	28.56	101.184		
5,600.00	5,591.87	5,834.99	5,808.25	20.03	21.61	-154.45	-16.83	-2,676.16	2,889.92	2,860.82	29.10	99.323		
5,700.00	5,691.62	5,934.69	5,907.15	20.40	22.01	-154.29	-5.80	-2,669.97	2,889.61	2,859.98	29.63	97.528		
5,800.00	5,791.37	6,034.40	6,006.04	20.77	22.40	-154.14	5.23	-2,663.78	2,889.32	2,859.16	30.16	95.795		
5,900.00	5,891.12	6,134.10	6,104.94	21.14	22.80	-153.99	16.25	-2,657.59	2,889.05	2,858.35	30.69	94.123		
6,000.00	5,990.86	6,233.80	6,203.84	21.52	23.20	-153.84	27.28	-2,651.40	2,888.80	2,857.57	31.23	92.507		
6,100.00	6,090.61	6,333.50	6,302.73	21.89	23.60	-153.68	38.31	-2,645.21	2,888.57	2,856.81	31.76	90.945		
6,200.00	6,190.36	6,433.20	6,401.63	22.26	24.00	-153.53	49.33	-2,639.02	2,888.37	2,856.07	32.30	89.434		
6,300.00	6,290.11	6,532.90	6,500.52	22.63	24.40	-153.38	60.36	-2,632.83	2,888.18	2,855.35	32.83	87.972		
6,400.00	6,389.85	6,632.60	6,599.42	23.00	24.80	-153.23	71.38	-2,626.64	2,888.02	2,854.65	33.37	86.557		
6,500.00	6,489.60	6,732.30	6,698.31	23.37	25.20	-153.07	82.41	-2,620.45	2,887.87	2,853.97	33.90	85.187		
6,600.00	6,589.35	6,832.00	6,797.21	23.74	25.60	-152.92	93.44	-2,614.25	2,887.75	2,853.31	34.44	83.858		
6,700.00	6,689.10	6,931.70	6,896.11	24.12	26.00	-152.77	104.46	-2,608.06	2,887.64	2,852.67	34.97	82.571		
6,759.47	6,748.42	6,988.67	6,952.61	24.34	26.23	-152.68	110.76	-2,604.53	2,887.60	2,852.31	35.28	81.838		
6,800.00	6,788.84	7,017.95	6,981.67	24.49	26.35	-152.64	113.86	-2,602.79	2,887.68	2,852.21	35.47	81.411		
6,900.00	6,888.59	7,100.00	7,063.25	24.86	26.67	-152.54	121.51	-2,598.49	2,888.57	2,852.62	35.95	80.342		
7,000.00	6,988.34	7,162.75	7,125.76	25.23	26.91	-152.49	126.33	-2,595.79	2,890.38	2,854.01	36.38	79.458		
7,069.58	7,057.74	7,200.00	7,162.90	25.49	27.05	-152.46	128.77	-2,594.42	2,892.26	2,855.61	36.65	78.918		
7,100.00	7,088.09	7,235.27	7,198.09	25.60	27.18	-152.45	130.79	-2,593.28	2,893.06	2,856.24	36.82	78.576		
7,200.00	7,187.97	7,300.00	7,262.74	25.97	27.41	-152.44	133.75	-2,591.62	2,894.94	2,857.71	37.23	77.755		
7,300.00	7,287.93	7,380.41	7,343.10	26.33	27.70	-152.41	136.10	-2,590.30	2,895.42	2,857.74	37.68	76.845		
7,341.07	7,329.00	7,410.22	7,372.91	26.47	27.80	-90.52	136.60	-2,590.02	2,895.22	2,857.37	37.85	76.491		
7,400.00	7,387.93	7,453.02	7,415.70	26.67	27.95	-90.52	136.96	-2,589.82	2,894.94	2,856.85	38.09	75.996		
7,442.23	7,430.16	7,489.48	7,452.16	26.82	28.07	-90.51	136.99	-2,589.81	2,894.92	2,856.64	38.28	75.618		
7,500.00	7,487.93	7,547.25	7,509.93	27.02	28.26	-90.51	136.99	-2,589.81	2,894.92	2,856.36	38.56	75.066		
7,600.00	7,587.93	7,647.25	7,609.93	27.37	28.60	-90.51	136.99	-2,589.81	2,894.92	2,855.87	39.05	74.129		
7,700.00	7,687.93	7,747.25	7,709.93	27.72	28.94	-90.51	136.99	-2,589.81	2,894.92	2,855.38	39.54	73.214		
7,800.00	7,787.93	7,847.25	7,809.93	28.06	29.27	-90.51	136.99	-2,589.81	2,894.92	2,854.89	40.03	72.320		
7,900.00	7,887.93	7,947.25	7,909.93	28.41	29.61	-90.51	136.99	-2,589.81	2,894.92	2,854.40	40.52	71.448		
8,000.00	7,987.93	8,047.25	8,009.93	28.76	29.95	-90.51	136.99	-2,589.81	2,894.92	2,853.91	41.01	70.595		
8,100.00	8,087.93	8,147.25	8,109.93	29.11	30.29	-90.51	136.99	-2,589.81	2,894.92	2,853.42	41.50	69.761		
8,200.00	8,187.93	8,247.25	8,209.93	29.46	30.62	-90.51	136.99	-2,589.81	2,894.92	2,852.93	41.99	68.947		
8,300.00	8,287.93	8,347.25	8,309.93	29.81	30.96	-90.51	136.99	-2,589.81	2,894.92	2,852.44	42.48	68.150		
8,400.00	8,387.93	8,447.25	8,409.93	30.16	31.30	-90.51	136.99	-2,589.81	2,894.92	2,851.95	42.97	67.372		
8,500.00	8,487.93	8,547.25	8,509.93	30.51	31.64	-90.51	136.99	-2,589.81	2,894.92	2,851.46	43.46	66.610		
8,600.00	8,587.93	8,647.25	8,609.93	30.86	31.98	-90.51	136.99	-2,589.81	2,894.92	2,850.97	43.95	65.865		
8,700.00	8,687.93	8,747.25	8,709.93	31.21	32.32	-90.51	136.99	-2,589.81	2,894.92	2,850.48	44.44	65.135		
8,800.00	8,787.93	8,847.25	8,809.93	31.56	32.67	-90.51	136.99	-2,589.81	2,894.92	2,849.99	44.94	64.422		
8,900.00	8,887.93	8,947.25	8,909.93	31.91	33.01	-90.51	136.99	-2,589.81	2,894.92	2,849.49	45.43	63.723		
9,000.00	8,987.93	9,047.25	9,009.93	32.26	33.35	-90.51	136.99	-2,589.81	2,894.92	2,849.00	45.92	63.039		
9,100.00	9,087.93	9,147.25	9,109.93	32.61	33.69	-90.51	136.99	-2,589.81	2,894.92	2,848.51	46.42	62.369		
9,200.00	9,187.93	9,247.25	9,209.93	32.96	34.03	-90.51	136.99	-2,589.81	2,894.92	2,848.01	46.91	61.712		
9,300.00	9,287.93	9,347.25	9,309.93	33.31	34.38	-90.51	136.99	-2,589.81	2,894.92	2,847.52	47.40	61.069		
9,400.00	9,387.93	9,447.25	9,409.93	33.66	34.72	-90.51	136.99	-2,589.81	2,894.92	2,847.02	47.90	60.439		
9,500.00	9,487.93	9,547.25	9,509.93	34.01	35.06	-90.51	136.99	-2,589.81	2,894.92	2,846.53	48.39	59.822		
9,600.00	9,587.93	9,647.25	9,609.93	34.36	35.41	-90.51	136.99	-2,589.81	2,894.92	2,846.03	48.89	59.216		
9,700.00	9,687.93	9,747.25	9,709.93	34.72	35.75	-90.51	136.99	-2,589.81	2,894.92	2,845.54	49.38	58.623		
9,800.00	9,787.93	9,847.25	9,809.93	35.07	36.10	-90.51	136.99	-2,589.81	2,894.92	2,845.04	49.88	58.041		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,900.00	9,887.93	9,947.25	9,909.93	35.42	36.44	-90.51	136.99	-2,589.81	2,894.92	2,844.55	50.37	57.470		
10,000.00	9,987.93	10,047.25	10,009.93	35.77	36.79	-90.51	136.99	-2,589.81	2,894.92	2,844.05	50.87	56.910		
10,100.00	10,087.93	10,147.25	10,109.93	36.12	37.13	-90.51	136.99	-2,589.81	2,894.92	2,843.56	51.36	56.360		
10,200.00	10,187.93	10,247.25	10,209.93	36.48	37.48	-90.51	136.99	-2,589.81	2,894.92	2,843.06	51.86	55.821		
10,300.00	10,287.93	10,347.25	10,309.93	36.83	37.82	-90.51	136.99	-2,589.81	2,894.92	2,842.57	52.36	55.292		
10,400.00	10,387.93	10,447.25	10,409.93	37.18	38.17	-90.51	136.99	-2,589.81	2,894.92	2,842.07	52.85	54.773		
10,500.00	10,487.93	10,547.25	10,509.93	37.53	38.52	-90.51	136.99	-2,589.81	2,894.92	2,841.57	53.35	54.263		
10,600.00	10,587.93	10,647.25	10,609.93	37.89	38.86	-90.51	136.99	-2,589.81	2,894.92	2,841.08	53.85	53.762		
10,700.00	10,687.93	10,747.25	10,709.93	38.24	39.21	-90.51	136.99	-2,589.81	2,894.92	2,840.58	54.34	53.270		
10,800.00	10,787.93	10,847.25	10,809.93	38.59	39.56	-90.51	136.99	-2,589.81	2,894.92	2,840.08	54.84	52.787		
10,900.00	10,887.93	10,947.25	10,909.93	38.94	39.90	-90.51	136.99	-2,589.81	2,894.92	2,839.58	55.34	52.313		
11,000.00	10,987.93	11,047.25	11,009.93	39.30	40.25	-90.51	136.99	-2,589.81	2,894.92	2,839.09	55.84	51.846		
11,100.00	11,087.93	11,147.25	11,109.93	39.65	40.60	-90.51	136.99	-2,589.81	2,894.92	2,838.59	56.33	51.388		
11,200.00	11,187.93	11,247.25	11,209.93	40.00	40.95	-90.51	136.99	-2,589.81	2,894.92	2,838.09	56.83	50.938		
11,300.00	11,287.93	11,347.25	11,309.93	40.36	41.29	-90.51	136.99	-2,589.81	2,894.92	2,837.59	57.33	50.495		
11,400.00	11,387.93	11,447.25	11,409.93	40.71	41.64	-90.51	136.99	-2,589.81	2,894.92	2,837.09	57.83	50.060		
11,500.00	11,487.93	11,547.25	11,509.93	41.07	41.99	-90.51	136.99	-2,589.81	2,894.92	2,836.60	58.33	49.633		
11,600.00	11,587.93	11,647.25	11,609.93	41.42	42.34	-90.51	136.99	-2,589.81	2,894.92	2,836.10	58.83	49.212		
11,700.00	11,687.93	11,747.25	11,709.93	41.77	42.69	-90.51	136.99	-2,589.81	2,894.92	2,835.60	59.32	48.798		
11,800.00	11,787.93	11,847.25	11,809.93	42.13	43.03	-90.51	136.99	-2,589.81	2,894.92	2,835.10	59.82	48.391		
11,900.00	11,887.93	12,039.58	12,001.17	42.48	43.63	-90.80	122.64	-2,587.61	2,894.33	2,833.82	60.51	47.832		
12,000.00	11,987.93	12,289.53	12,224.92	42.83	44.11	-92.90	17.14	-2,571.47	2,888.17	2,827.12	61.05	47.307		
12,100.00	12,087.93	12,468.67	12,347.10	43.19	44.26	-95.48	-111.29	-2,551.81	2,879.73	2,818.31	61.43	46.879		
12,179.11	12,167.04	12,540.66	12,383.68	43.47	44.28	-96.72	-172.52	-2,542.44	2,873.74	2,812.04	61.70	46.576		
12,200.00	12,187.93	12,555.72	12,390.34	43.54	44.29	83.72	-185.88	-2,540.40	2,872.34	2,810.57	61.77	46.503		
12,250.00	12,237.75	12,590.07	12,404.17	43.70	44.29	83.44	-216.95	-2,535.65	2,869.05	2,807.13	61.92	46.338		
12,300.00	12,287.04	12,622.60	12,415.51	43.85	44.29	83.20	-247.08	-2,531.03	2,865.84	2,803.79	62.05	46.183		
12,350.00	12,335.41	12,653.79	12,424.74	44.00	44.30	82.98	-276.53	-2,526.53	2,862.71	2,800.53	62.18	46.038		
12,400.00	12,382.50	12,683.97	12,432.12	44.14	44.30	82.78	-305.46	-2,522.10	2,859.62	2,797.33	62.30	45.902		
12,450.00	12,427.95	12,713.39	12,437.81	44.27	44.31	82.60	-333.99	-2,517.74	2,856.57	2,794.16	62.41	45.773		
12,500.00	12,471.42	12,742.20	12,441.95	44.39	44.34	82.45	-362.12	-2,513.42	2,853.52	2,791.02	62.50	45.656		
12,550.00	12,512.57	12,770.53	12,444.61	44.50	44.37	82.31	-390.04	-2,509.16	2,850.46	2,787.88	62.58	45.547		
12,600.00	12,551.09	12,800.00	12,445.90	44.59	44.41	82.18	-419.14	-2,504.71	2,847.38	2,784.71	62.66	45.439		
12,650.00	12,586.68	12,810.36	12,446.00	44.68	44.42	82.33	-429.38	-2,503.14	2,844.30	2,781.58	62.72	45.350		
12,700.00	12,619.09	12,839.46	12,446.00	44.76	44.47	82.24	-458.17	-2,498.88	2,841.19	2,778.39	62.79	45.247		
12,750.00	12,648.05	12,859.78	12,446.00	44.84	44.51	82.31	-478.29	-2,496.09	2,838.13	2,775.27	62.86	45.152		
12,800.00	12,673.35	12,900.00	12,446.00	44.93	44.59	82.21	-518.19	-2,490.97	2,835.18	2,772.23	62.95	45.041		
12,850.00	12,694.80	12,900.00	12,446.00	45.04	44.59	82.53	-518.19	-2,490.97	2,831.95	2,768.96	62.99	44.957		
12,900.00	12,712.23	12,927.41	12,446.00	45.16	44.65	82.64	-545.41	-2,487.80	2,828.78	2,765.69	63.08	44.841		
12,950.00	12,725.51	12,951.61	12,446.00	45.28	44.71	82.83	-569.48	-2,485.22	2,825.53	2,762.35	63.18	44.723		
13,000.00	12,734.55	13,000.00	12,446.00	45.41	44.83	83.00	-617.65	-2,480.68	2,822.39	2,759.07	63.32	44.574		
13,050.00	12,739.26	13,000.00	12,446.00	45.54	44.83	83.35	-617.65	-2,480.68	2,818.79	2,755.40	63.39	44.466		
13,079.11	12,740.00	13,000.00	12,446.00	45.62	44.83	83.55	-617.65	-2,480.68	2,816.86	2,753.43	63.44	44.404		
13,100.00	12,740.00	13,026.64	12,446.00	45.68	44.91	83.54	-644.20	-2,478.52	2,815.36	2,751.83	63.52	44.319		
13,200.00	12,740.00	13,100.00	12,446.00	45.98	45.12	83.53	-717.42	-2,473.86	2,809.82	2,745.96	63.86	44.001		
13,300.00	12,740.00	13,127.80	12,446.00	46.34	45.21	83.53	-745.18	-2,472.59	2,805.67	2,741.52	64.15	43.738		
13,400.00	12,740.00	13,200.00	12,446.00	46.75	45.46	83.53	-817.35	-2,470.54	2,803.62	2,739.04	64.58	43.413		
13,476.08	12,740.00	13,217.18	12,446.00	47.11	45.52	83.53	-834.53	-2,470.32	2,802.95	2,738.10	64.84	43.225 CC		
13,500.00	12,740.00	13,240.85	12,446.00	47.22	45.61	83.53	-858.20	-2,470.08	2,802.95	2,737.97	64.98	43.134		
13,600.00	12,740.00	13,340.85	12,446.00	47.73	46.01	83.53	-958.20	-2,469.10	2,802.96	2,737.35	65.61	42.721		
13,700.00	12,740.00	13,440.85	12,446.00	48.30	46.47	83.53	-1,058.19	-2,468.11	2,802.97	2,736.65	66.31	42.268		
13,800.00	12,740.00	13,540.85	12,446.00	48.92	46.97	83.53	-1,158.19	-2,467.13	2,802.98	2,735.89	67.09	41.780		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,900.00	12,740.00	13,640.85	12,446.00	49.58	47.52	83.53	-1,258.18	-2,466.15	2,802.99	2,735.05	67.94	41.259		
14,000.00	12,740.00	13,740.85	12,446.00	50.29	48.13	83.53	-1,358.18	-2,465.16	2,802.99	2,734.14	68.85	40.711		
14,100.00	12,740.00	13,840.85	12,446.00	51.04	48.78	83.53	-1,458.17	-2,464.18	2,803.00	2,733.17	69.83	40.140		
14,200.00	12,740.00	13,940.85	12,446.00	51.83	49.47	83.53	-1,558.17	-2,463.20	2,803.01	2,732.14	70.87	39.549		
14,300.00	12,740.00	14,040.85	12,446.00	52.66	50.21	83.53	-1,658.16	-2,462.21	2,803.02	2,731.04	71.98	38.944		
14,400.00	12,740.00	14,140.85	12,446.00	53.53	50.99	83.53	-1,758.16	-2,461.23	2,803.03	2,729.89	73.14	38.326		
14,500.00	12,740.00	14,240.85	12,446.00	54.44	51.81	83.53	-1,858.15	-2,460.24	2,803.04	2,728.69	74.35	37.700		
14,600.00	12,740.00	14,340.85	12,446.00	55.38	52.67	83.53	-1,958.15	-2,459.26	2,803.05	2,727.43	75.62	37.069		
14,700.00	12,740.00	14,440.85	12,446.00	56.35	53.57	83.53	-2,058.14	-2,458.28	2,803.06	2,726.12	76.93	36.435		
14,800.00	12,740.00	14,540.85	12,446.00	57.35	54.50	83.53	-2,158.14	-2,457.29	2,803.06	2,724.77	78.30	35.801		
14,900.00	12,740.00	14,640.85	12,446.00	58.39	55.47	83.53	-2,258.13	-2,456.31	2,803.07	2,723.37	79.70	35.169		
15,000.00	12,740.00	14,740.85	12,446.00	59.45	56.46	83.53	-2,358.13	-2,455.33	2,803.08	2,721.93	81.15	34.541		
15,100.00	12,740.00	14,840.85	12,446.00	60.54	57.49	83.53	-2,458.12	-2,454.34	2,803.09	2,720.45	82.64	33.919		
15,200.00	12,740.00	14,940.85	12,446.00	61.65	58.54	83.53	-2,558.12	-2,453.36	2,803.10	2,718.93	84.17	33.304		
15,300.00	12,740.00	15,040.85	12,446.00	62.79	59.63	83.53	-2,658.11	-2,452.37	2,803.11	2,717.38	85.73	32.697		
15,400.00	12,740.00	15,140.85	12,446.00	63.94	60.73	83.53	-2,758.11	-2,451.39	2,803.12	2,715.79	87.33	32.100		
15,500.00	12,740.00	15,240.85	12,446.00	65.12	61.87	83.53	-2,858.10	-2,450.41	2,803.12	2,714.17	88.95	31.512		
15,600.00	12,740.00	15,340.85	12,446.00	66.32	63.02	83.53	-2,958.10	-2,449.42	2,803.13	2,712.52	90.61	30.935		
15,700.00	12,740.00	15,440.85	12,446.00	67.54	64.20	83.53	-3,058.09	-2,448.44	2,803.14	2,710.84	92.30	30.370		
15,800.00	12,740.00	15,540.85	12,446.00	68.78	65.39	83.53	-3,158.09	-2,447.46	2,803.15	2,709.14	94.01	29.816		
15,900.00	12,740.00	15,640.85	12,446.00	70.04	66.61	83.53	-3,258.08	-2,446.47	2,803.16	2,707.41	95.75	29.275		
16,000.00	12,740.00	15,740.85	12,446.00	71.31	67.84	83.53	-3,358.08	-2,445.49	2,803.17	2,705.65	97.52	28.745		
16,100.00	12,740.00	15,840.85	12,446.00	72.59	69.10	83.53	-3,458.08	-2,444.50	2,803.18	2,703.87	99.31	28.228		
16,200.00	12,740.00	15,940.85	12,446.00	73.89	70.36	83.53	-3,558.07	-2,443.52	2,803.19	2,702.07	101.12	27.723		
16,300.00	12,740.00	16,040.85	12,446.00	75.21	71.65	83.53	-3,658.07	-2,442.54	2,803.19	2,700.25	102.94	27.230		
16,400.00	12,740.00	16,140.85	12,446.00	76.53	72.95	83.53	-3,758.06	-2,441.55	2,803.20	2,698.41	104.79	26.750		
16,500.00	12,740.00	16,240.85	12,446.00	77.87	74.26	83.53	-3,858.06	-2,440.57	2,803.21	2,696.55	106.66	26.281		
16,600.00	12,740.00	16,340.85	12,446.00	79.22	75.59	83.53	-3,958.05	-2,439.59	2,803.22	2,694.67	108.55	25.825		
16,700.00	12,740.00	16,440.85	12,446.00	80.59	76.92	83.53	-4,058.05	-2,438.60	2,803.23	2,692.78	110.45	25.380		
16,800.00	12,740.00	16,540.85	12,446.00	81.96	78.27	83.53	-4,158.04	-2,437.62	2,803.24	2,690.87	112.37	24.947		
16,900.00	12,740.00	16,640.85	12,446.00	83.34	79.64	83.53	-4,258.04	-2,436.63	2,803.25	2,688.95	114.30	24.525		
17,000.00	12,740.00	16,740.85	12,446.00	84.74	81.01	83.53	-4,358.03	-2,435.65	2,803.26	2,687.01	116.25	24.115		
17,100.00	12,740.00	16,840.85	12,446.00	86.14	82.39	83.53	-4,458.03	-2,434.67	2,803.26	2,685.06	118.21	23.715		
17,200.00	12,740.00	16,940.85	12,446.00	87.55	83.78	83.53	-4,558.02	-2,433.68	2,803.27	2,683.09	120.18	23.325		
17,300.00	12,740.00	17,040.85	12,446.00	88.97	85.19	83.53	-4,658.02	-2,432.70	2,803.28	2,681.11	122.17	22.946		
17,400.00	12,740.00	17,140.85	12,446.00	90.39	86.60	83.53	-4,758.01	-2,431.72	2,803.29	2,679.12	124.17	22.577		
17,500.00	12,740.00	17,240.85	12,446.00	91.83	88.02	83.53	-4,858.01	-2,430.73	2,803.30	2,677.12	126.17	22.218		
17,600.00	12,740.00	17,340.85	12,446.00	93.27	89.44	83.53	-4,958.00	-2,429.75	2,803.31	2,675.11	128.19	21.868		
17,700.00	12,740.00	17,440.85	12,446.00	94.72	90.88	83.53	-5,058.00	-2,428.76	2,803.32	2,673.09	130.22	21.527		
17,800.00	12,740.00	17,540.85	12,446.00	96.17	92.32	83.53	-5,157.99	-2,427.78	2,803.32	2,671.06	132.26	21.195		
17,900.00	12,740.00	17,640.85	12,446.00	97.64	93.77	83.53	-5,257.99	-2,426.80	2,803.33	2,669.02	134.31	20.872		
18,000.00	12,740.00	17,740.85	12,446.00	99.10	95.22	83.53	-5,357.98	-2,425.81	2,803.34	2,666.97	136.37	20.557		
18,100.00	12,740.00	17,840.85	12,446.00	100.58	96.68	83.53	-5,457.98	-2,424.83	2,803.35	2,664.92	138.43	20.250		
18,200.00	12,740.00	17,940.85	12,446.00	102.05	98.15	83.53	-5,557.97	-2,423.85	2,803.36	2,662.85	140.51	19.952		
18,300.00	12,740.00	18,040.85	12,446.00	103.54	99.63	83.53	-5,657.97	-2,422.86	2,803.37	2,660.78	142.59	19.660		
18,400.00	12,740.00	18,140.85	12,446.00	105.03	101.10	83.53	-5,757.96	-2,421.88	2,803.38	2,658.70	144.68	19.377		
18,500.00	12,740.00	18,240.85	12,446.00	106.52	102.59	83.53	-5,857.96	-2,420.89	2,803.39	2,656.61	146.77	19.100		
18,600.00	12,740.00	18,340.85	12,446.00	108.02	104.08	83.53	-5,957.95	-2,419.91	2,803.39	2,654.52	148.88	18.830		
18,700.00	12,740.00	18,440.85	12,446.00	109.52	105.57	83.53	-6,057.95	-2,418.93	2,803.40	2,652.42	150.99	18.567		
18,800.00	12,740.00	18,540.85	12,446.00	111.03	107.07	83.53	-6,157.94	-2,417.94	2,803.41	2,650.31	153.10	18.311		
18,900.00	12,740.00	18,640.85	12,446.00	112.54	108.57	83.53	-6,257.94	-2,416.96	2,803.42	2,648.20	155.22	18.061		
19,000.00	12,740.00	18,740.85	12,446.00	114.05	110.08	83.53	-6,357.93	-2,415.98	2,803.43	2,646.08	157.35	17.817		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design PF Fed Com - PF Fed Com 802H - OH - Plan #1													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
19,100.00	12,740.00	18,840.85	12,446.00	115.57	111.59	83.53	-6,457.93	-2,414.99	2,803.44	2,643.96	159.48	17.579		
19,200.00	12,740.00	18,940.85	12,446.00	117.09	113.11	83.53	-6,557.93	-2,414.01	2,803.45	2,641.83	161.62	17.346		
19,300.00	12,740.00	19,040.85	12,446.00	118.62	114.63	83.53	-6,657.92	-2,413.02	2,803.46	2,639.70	163.76	17.120		
19,400.00	12,740.00	19,140.85	12,446.00	120.15	116.15	83.53	-6,757.92	-2,412.04	2,803.46	2,637.56	165.90	16.898		
19,500.00	12,740.00	19,240.85	12,446.00	121.68	117.67	83.53	-6,857.91	-2,411.06	2,803.47	2,635.42	168.06	16.682		
19,600.00	12,740.00	19,340.85	12,446.00	123.21	119.20	83.53	-6,957.91	-2,410.07	2,803.48	2,633.27	170.21	16.470		
19,700.00	12,740.00	19,440.85	12,446.00	124.75	120.74	83.53	-7,057.90	-2,409.09	2,803.49	2,631.12	172.37	16.264		
19,800.00	12,740.00	19,540.85	12,446.00	126.29	122.27	83.53	-7,157.90	-2,408.11	2,803.50	2,628.96	174.54	16.062		
19,900.00	12,740.00	19,640.85	12,446.00	127.84	123.81	83.53	-7,257.89	-2,407.12	2,803.51	2,626.80	176.71	15.865		
20,000.00	12,740.00	19,740.85	12,446.00	129.38	125.35	83.53	-7,357.89	-2,406.14	2,803.52	2,624.64	178.88	15.673		
20,100.00	12,740.00	19,840.85	12,446.00	130.93	126.90	83.53	-7,457.88	-2,405.15	2,803.52	2,622.47	181.05	15.484		
20,200.00	12,740.00	19,940.85	12,446.00	132.48	128.44	83.53	-7,557.88	-2,404.17	2,803.53	2,620.30	183.23	15.300		
20,300.00	12,740.00	20,040.85	12,446.00	134.04	129.99	83.53	-7,657.87	-2,403.19	2,803.54	2,618.12	185.42	15.120		
20,400.00	12,740.00	20,140.85	12,446.00	135.59	131.55	83.53	-7,757.87	-2,402.20	2,803.55	2,615.95	187.60	14.944		
20,500.00	12,740.00	20,240.85	12,446.00	137.15	133.10	83.53	-7,857.86	-2,401.22	2,803.56	2,613.77	189.79	14.772		
20,600.00	12,740.00	20,340.85	12,446.00	138.71	134.66	83.53	-7,957.86	-2,400.24	2,803.57	2,611.58	191.99	14.603		
20,700.00	12,740.00	20,440.85	12,446.00	140.27	136.22	83.53	-8,057.85	-2,399.25	2,803.58	2,609.39	194.18	14.438		
20,800.00	12,740.00	20,540.85	12,446.00	141.84	137.78	83.53	-8,157.85	-2,398.27	2,803.59	2,607.20	196.38	14.276		
20,900.00	12,740.00	20,640.85	12,446.00	143.41	139.34	83.53	-8,257.84	-2,397.28	2,803.59	2,605.01	198.58	14.118		
21,000.00	12,740.00	20,740.85	12,446.00	144.97	140.91	83.53	-8,357.84	-2,396.30	2,803.60	2,602.81	200.79	13.963		
21,100.00	12,740.00	20,840.85	12,446.00	146.54	142.47	83.53	-8,457.83	-2,395.32	2,803.61	2,600.62	203.00	13.811		
21,200.00	12,740.00	20,940.85	12,446.00	148.12	144.04	83.53	-8,557.83	-2,394.33	2,803.62	2,598.42	205.21	13.663		
21,300.00	12,740.00	21,040.85	12,446.00	149.69	145.61	83.53	-8,657.82	-2,393.35	2,803.63	2,596.21	207.42	13.517		
21,400.00	12,740.00	21,140.85	12,446.00	151.26	147.19	83.53	-8,757.82	-2,392.37	2,803.64	2,594.01	209.63	13.374		
21,500.00	12,740.00	21,240.85	12,446.00	152.84	148.76	83.53	-8,857.81	-2,391.38	2,803.65	2,591.80	211.85	13.234		
21,600.00	12,740.00	21,340.85	12,446.00	154.42	150.34	83.53	-8,957.81	-2,390.40	2,803.66	2,589.59	214.07	13.097		
21,700.00	12,740.00	21,440.85	12,446.00	156.00	151.91	83.53	-9,057.80	-2,389.41	2,803.66	2,587.38	216.29	12.963		
21,800.00	12,740.00	21,540.85	12,446.00	157.58	153.49	83.53	-9,157.80	-2,388.43	2,803.67	2,585.16	218.51	12.831		
21,900.00	12,740.00	21,640.85	12,446.00	159.16	155.07	83.53	-9,257.79	-2,387.45	2,803.68	2,582.94	220.74	12.701		
22,000.00	12,740.00	21,740.85	12,446.00	160.75	156.66	83.53	-9,357.79	-2,386.46	2,803.69	2,580.73	222.96	12.575		
22,100.00	12,740.00	21,840.85	12,446.00	162.33	158.24	83.53	-9,457.79	-2,385.48	2,803.70	2,578.51	225.19	12.450		
22,200.00	12,740.00	21,940.85	12,446.00	163.92	159.82	83.53	-9,557.78	-2,384.50	2,803.71	2,576.28	227.42	12.328		
22,300.00	12,740.00	22,040.85	12,446.00	165.51	161.41	83.53	-9,657.78	-2,383.51	2,803.72	2,574.06	229.65	12.208		
22,400.00	12,740.00	22,140.85	12,446.00	167.10	163.00	83.53	-9,757.77	-2,382.53	2,803.72	2,571.84	231.89	12.091		
22,500.00	12,740.00	22,240.85	12,446.00	168.69	164.59	83.53	-9,857.77	-2,381.54	2,803.73	2,569.61	234.12	11.975		
22,600.00	12,740.00	22,340.85	12,446.00	170.28	166.18	83.53	-9,957.76	-2,380.56	2,803.74	2,567.38	236.36	11.862		
22,700.00	12,740.00	22,440.85	12,446.00	171.87	167.77	83.53	-10,057.76	-2,379.58	2,803.75	2,565.15	238.60	11.751		
22,800.00	12,740.00	22,540.85	12,446.00	173.47	169.36	83.53	-10,157.75	-2,378.59	2,803.76	2,562.92	240.84	11.642		
22,874.14	12,740.00	22,614.99	12,446.00	174.65	170.54	83.53	-10,231.89	-2,377.86	2,803.77	2,561.26	242.50	11.562 ES, SF		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
0.00	0.00	22.00	22.00	0.00	0.03	-97.79	-391.78	-2,862.03	2,888.72					
100.00	100.00	122.00	122.00	0.13	0.20	-97.79	-391.78	-2,862.03	2,888.72	2,888.48	0.24	N/A		
200.00	200.00	222.00	222.00	0.48	0.56	-97.79	-391.78	-2,862.03	2,888.72	2,887.97	0.74	3,891.823		
300.00	300.00	322.00	322.00	0.84	0.92	-97.79	-391.78	-2,862.03	2,888.72	2,887.47	1.25	2,314.016		
400.00	400.00	422.00	422.00	1.20	1.28	-97.79	-391.78	-2,862.03	2,888.72	2,886.96	1.75	1,646.038		
500.00	500.00	522.00	522.00	1.56	1.64	-97.79	-391.78	-2,862.03	2,888.72	2,886.46	2.26	1,277.228		
600.00	600.00	622.00	622.00	1.92	2.00	-97.79	-391.78	-2,862.03	2,888.72	2,885.95	2.77	1,043.409		
700.00	700.00	722.00	722.00	2.28	2.36	-97.79	-391.78	-2,862.03	2,888.72	2,885.44	3.28	881.942		
800.00	800.00	822.00	822.00	2.63	2.71	-97.79	-391.78	-2,862.03	2,888.72	2,884.93	3.78	763.747		
900.00	900.00	922.00	922.00	2.99	3.07	-97.79	-391.78	-2,862.03	2,888.72	2,884.43	4.29	673.485		
1,000.00	1,000.00	1,022.00	1,022.00	3.35	3.43	-97.79	-391.78	-2,862.03	2,888.72	2,883.92	4.80	602.303		
1,100.00	1,100.00	1,122.00	1,122.00	3.71	3.79	-97.79	-391.78	-2,862.03	2,888.72	2,883.41	5.30	544.728		
1,200.00	1,200.00	1,222.00	1,222.00	4.07	4.15	-97.79	-391.78	-2,862.03	2,888.72	2,882.91	5.81	497.199		
1,300.00	1,300.00	1,322.00	1,322.00	4.43	4.51	-97.79	-391.78	-2,862.03	2,888.72	2,882.40	6.32	457.299		
1,400.00	1,400.00	1,422.00	1,422.00	4.79	4.86	-97.79	-391.78	-2,862.03	2,888.72	2,881.89	6.82	423.327		
1,500.00	1,500.00	1,522.00	1,522.00	5.14	5.22	-97.79	-391.78	-2,862.03	2,888.72	2,881.39	7.33	394.053		
1,600.00	1,600.00	2,364.18	2,355.15	5.50	8.34	-97.24	-351.79	-2,768.93	2,885.87	2,876.22	9.65	299.147		
1,700.00	1,700.00	2,453.83	2,441.69	5.86	8.72	-97.11	-342.55	-2,747.42	2,860.71	2,850.59	10.12	282.775		
1,800.00	1,800.00	2,550.36	2,534.87	6.22	9.15	-96.96	-332.60	-2,724.26	2,835.56	2,824.95	10.61	267.337		
1,900.00	1,900.00	2,646.89	2,628.05	6.58	9.59	-96.81	-322.65	-2,701.09	2,810.43	2,799.32	11.10	253.174		
2,000.00	2,000.00	2,743.42	2,721.22	6.94	10.04	-96.66	-312.69	-2,677.92	2,785.31	2,773.71	11.60	240.147		
2,100.00	2,100.00	2,839.95	2,814.40	7.29	10.49	-96.51	-302.74	-2,654.76	2,760.22	2,748.12	12.10	228.135		
2,200.00	2,200.00	2,936.47	2,907.58	7.65	10.96	-96.35	-292.79	-2,631.59	2,735.14	2,722.54	12.60	217.029		
2,300.00	2,299.99	3,033.33	3,001.07	8.01	11.43	-158.21	-282.80	-2,608.34	2,711.26	2,698.16	13.11	206.868		
2,400.00	2,399.91	3,130.80	3,095.16	8.36	11.91	-158.21	-272.75	-2,584.95	2,689.77	2,676.16	13.61	197.610		
2,471.49	2,471.26	3,200.83	3,162.75	8.61	12.26	-158.20	-265.53	-2,568.14	2,675.87	2,661.90	13.98	191.470		
2,500.00	2,499.70	3,228.81	3,189.76	8.71	12.40	-158.17	-262.65	-2,561.43	2,670.57	2,656.45	14.12	189.116		
2,600.00	2,599.45	3,326.94	3,284.48	9.06	12.89	-158.06	-252.53	-2,537.88	2,651.99	2,637.35	14.64	181.192		
2,700.00	2,699.19	3,425.07	3,379.21	9.42	13.39	-157.95	-242.41	-2,514.32	2,633.42	2,618.27	15.15	173.782		
2,800.00	2,798.94	3,523.20	3,473.94	9.78	13.89	-157.84	-232.29	-2,490.77	2,614.86	2,599.19	15.67	166.839		
2,900.00	2,898.69	3,621.34	3,568.66	10.13	14.40	-157.73	-222.18	-2,467.22	2,596.31	2,580.11	16.19	160.323		
3,000.00	2,998.44	3,719.47	3,663.39	10.49	14.90	-157.61	-212.06	-2,443.67	2,577.77	2,561.05	16.72	154.198		
3,100.00	3,098.18	3,817.60	3,758.11	10.85	15.41	-157.50	-201.94	-2,420.12	2,559.23	2,541.99	17.24	148.430		
3,200.00	3,197.93	3,915.73	3,852.84	11.22	15.93	-157.38	-191.82	-2,396.56	2,540.71	2,522.95	17.77	142.991		
3,300.00	3,297.68	4,013.87	3,947.56	11.58	16.44	-157.26	-181.70	-2,373.01	2,522.20	2,503.91	18.30	137.855		
3,400.00	3,397.43	4,112.00	4,042.29	11.94	16.96	-157.14	-171.59	-2,349.46	2,503.70	2,484.88	18.83	132.997		
3,500.00	3,497.17	4,210.13	4,137.02	12.30	17.48	-157.01	-161.47	-2,325.91	2,485.22	2,465.86	19.36	128.397		
3,600.00	3,596.92	4,308.27	4,231.74	12.67	18.00	-156.89	-151.35	-2,302.36	2,466.74	2,446.85	19.89	124.035		
3,700.00	3,696.67	4,406.40	4,326.47	13.03	18.52	-156.76	-141.23	-2,278.80	2,448.27	2,427.85	20.42	119.894		
3,800.00	3,796.42	4,504.53	4,421.19	13.40	19.04	-156.63	-131.11	-2,255.25	2,429.82	2,408.87	20.95	115.957		
3,900.00	3,896.16	4,602.66	4,515.92	13.76	19.57	-156.50	-121.00	-2,231.70	2,411.38	2,389.89	21.49	112.211		
4,000.00	3,995.91	4,700.80	4,610.64	14.13	20.09	-156.36	-110.88	-2,208.15	2,392.95	2,370.93	22.03	108.642		
4,100.00	4,095.66	4,798.93	4,705.37	14.50	20.62	-156.23	-100.76	-2,184.60	2,374.54	2,351.97	22.56	105.239		
4,200.00	4,195.41	4,897.06	4,800.10	14.86	21.15	-156.09	-90.64	-2,161.04	2,356.13	2,333.03	23.10	101.990		
4,300.00	4,295.15	4,995.20	4,894.82	15.23	21.67	-155.95	-80.52	-2,137.49	2,337.75	2,314.10	23.64	98.885		
4,400.00	4,394.90	5,093.33	4,989.55	15.60	22.20	-155.81	-70.41	-2,113.94	2,319.37	2,295.19	24.18	95.915		
4,500.00	4,494.65	5,191.46	5,084.27	15.97	22.73	-155.66	-60.29	-2,090.39	2,301.01	2,276.29	24.72	93.073		
4,600.00	4,494.40	5,289.59	5,179.00	16.34	23.27	-155.52	-50.17	-2,066.84	2,282.66	2,257.40	25.26	90.349		
4,700.00	4,494.15	5,387.73	5,273.73	16.70	23.80	-155.37	-40.05	-2,043.28	2,264.33	2,238.52	25.81	87.737		
4,800.00	4,793.89	5,485.86	5,368.45	17.07	24.33	-155.22	-29.93	-2,019.73	2,246.01	2,219.66	26.35	85.230		
4,900.00	4,893.64	5,583.99	5,463.18	17.44	24.86	-155.06	-19.82	-1,996.18	2,227.71	2,200.81	26.90	82.822		
5,000.00	4,993.39	5,682.12	5,557.90	17.81	25.40	-154.91	-9.70	-1,972.63	2,209.42	2,181.98	27.44	80.508		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
5,100.00	5,093.14	5,780.26	5,652.63	18.18	25.93	-154.75	0.42	-1,949.08	2,191.15	2,163.16	27.99	78.282		
5,200.00	5,192.88	5,878.39	5,747.35	18.55	26.46	-154.59	10.54	-1,925.52	2,172.90	2,144.36	28.54	76.139		
5,300.00	5,292.63	5,976.52	5,842.08	18.92	27.00	-154.42	20.66	-1,901.97	2,154.67	2,125.58	29.09	74.076		
5,400.00	5,392.38	6,074.66	5,936.81	19.29	27.53	-154.25	30.77	-1,878.42	2,136.45	2,106.81	29.64	72.088		
5,500.00	5,492.13	6,172.79	6,031.53	19.66	28.07	-154.08	40.89	-1,854.87	2,118.25	2,088.06	30.19	70.171		
5,600.00	5,591.87	6,270.92	6,126.26	20.03	28.61	-153.91	51.01	-1,831.32	2,100.07	2,069.33	30.74	68.320		
5,700.00	5,691.62	6,369.05	6,220.98	20.40	29.14	-153.74	61.13	-1,807.76	2,081.90	2,050.61	31.29	66.534		
5,800.00	5,791.37	6,467.19	6,315.71	20.77	29.68	-153.56	71.25	-1,784.21	2,063.76	2,031.91	31.84	64.808		
5,900.00	5,891.12	6,565.32	6,410.43	21.14	30.22	-153.37	81.36	-1,760.66	2,045.64	2,013.24	32.40	63.139		
6,000.00	5,990.86	6,663.45	6,505.16	21.52	30.75	-153.19	91.48	-1,737.11	2,027.53	1,994.58	32.95	61.525		
6,100.00	6,090.61	6,761.58	6,599.89	21.89	31.29	-153.00	101.60	-1,713.55	2,009.45	1,975.94	33.51	59.963		
6,200.00	6,190.36	6,837.82	6,673.53	22.26	31.70	-152.85	109.38	-1,695.44	1,991.70	1,957.66	34.03	58.524		
6,300.00	6,290.11	6,900.00	6,733.90	22.63	32.03	-152.74	115.25	-1,681.77	1,975.69	1,941.17	34.52	57.230		
6,400.00	6,389.85	6,958.29	6,790.77	23.00	32.32	-152.66	120.29	-1,670.05	1,961.62	1,926.63	34.99	56.061		
6,500.00	6,489.60	7,000.00	6,831.63	23.37	32.53	-152.60	123.61	-1,662.32	1,949.65	1,914.25	35.41	55.063		
6,600.00	6,589.35	7,080.19	6,910.49	23.74	32.89	-152.51	129.33	-1,649.00	1,939.34	1,903.45	35.90	54.025		
6,700.00	6,689.10	7,141.55	6,971.10	24.12	33.15	-152.46	133.12	-1,640.18	1,931.16	1,894.83	36.33	53.158		
6,800.00	6,788.84	7,200.00	7,029.01	24.49	33.40	-152.43	136.25	-1,632.89	1,924.95	1,888.21	36.74	52.396		
6,900.00	6,888.59	7,264.81	7,093.39	24.86	33.64	-152.41	139.18	-1,626.08	1,920.72	1,883.57	37.15	51.705		
7,000.00	6,988.34	7,326.60	7,154.91	25.23	33.87	-152.40	141.44	-1,620.83	1,918.48	1,880.94	37.53	51.114		
7,062.61	7,050.79	7,365.31	7,193.51	25.47	34.00	-152.41	142.58	-1,618.16	1,918.09	1,880.32	37.77	50.788		
7,069.58	7,057.74	7,369.62	7,197.81	25.49	34.01	-152.41	142.70	-1,617.89	1,918.09	1,880.30	37.79	50.753		
7,100.00	7,088.09	7,400.00	7,228.14	25.60	34.12	-152.41	143.43	-1,616.18	1,918.17	1,880.23	37.94	50.553		
7,200.00	7,187.97	7,450.24	7,278.32	25.97	34.27	-152.42	144.37	-1,613.99	1,917.99	1,879.74	38.26	50.136		
7,300.00	7,287.93	7,512.06	7,340.12	26.33	34.46	-152.42	145.05	-1,612.41	1,917.53	1,878.94	38.59	49.687		
7,341.07	7,329.00	7,537.45	7,365.50	26.47	34.53	-90.53	145.18	-1,612.11	1,917.25	1,878.53	38.72	49.510		
7,396.37	7,384.30	7,578.25	7,406.30	26.66	34.64	-90.53	145.22	-1,612.03	1,917.11	1,878.18	38.93	49.251		
7,400.00	7,387.93	7,581.88	7,409.93	26.67	34.65	-90.53	145.22	-1,612.03	1,917.11	1,878.17	38.94	49.229		
7,500.00	7,487.93	7,681.88	7,509.93	27.02	34.92	-90.53	145.22	-1,612.03	1,917.11	1,877.70	39.41	48.644		
7,600.00	7,587.93	7,781.88	7,609.93	27.37	35.19	-90.53	145.22	-1,612.03	1,917.11	1,877.23	39.88	48.072		
7,700.00	7,687.93	7,881.88	7,709.93	27.72	35.46	-90.53	145.22	-1,612.03	1,917.11	1,876.76	40.35	47.511		
7,800.00	7,787.93	7,981.88	7,809.93	28.06	35.74	-90.53	145.22	-1,612.03	1,917.11	1,876.29	40.82	46.963		
7,900.00	7,887.93	8,081.88	7,909.93	28.41	36.01	-90.53	145.22	-1,612.03	1,917.11	1,875.81	41.29	46.426		
8,000.00	7,987.93	8,181.88	8,009.93	28.76	36.29	-90.53	145.22	-1,612.03	1,917.11	1,875.34	41.77	45.901		
8,100.00	8,087.93	8,281.88	8,109.93	29.11	36.57	-90.53	145.22	-1,612.03	1,917.11	1,874.87	42.24	45.386		
8,200.00	8,187.93	8,381.88	8,209.93	29.46	36.85	-90.53	145.22	-1,612.03	1,917.11	1,874.39	42.71	44.882		
8,300.00	8,287.93	8,481.88	8,309.93	29.81	37.13	-90.53	145.22	-1,612.03	1,917.11	1,873.92	43.19	44.388		
8,400.00	8,387.93	8,581.88	8,409.93	30.16	37.41	-90.53	145.22	-1,612.03	1,917.11	1,873.44	43.67	43.905		
8,500.00	8,487.93	8,681.88	8,509.93	30.51	37.69	-90.53	145.22	-1,612.03	1,917.11	1,872.97	44.14	43.431		
8,600.00	8,587.93	8,781.88	8,609.93	30.86	37.98	-90.53	145.22	-1,612.03	1,917.11	1,872.49	44.62	42.967		
8,700.00	8,687.93	8,881.88	8,709.93	31.21	38.27	-90.53	145.22	-1,612.03	1,917.11	1,872.01	45.10	42.512		
8,800.00	8,787.93	8,981.88	8,809.93	31.56	38.55	-90.53	145.22	-1,612.03	1,917.11	1,871.53	45.57	42.065		
8,900.00	8,887.93	9,081.88	8,909.93	31.91	38.84	-90.53	145.22	-1,612.03	1,917.11	1,871.05	46.05	41.628		
9,000.00	8,987.93	9,181.88	9,009.93	32.26	39.13	-90.53	145.22	-1,612.03	1,917.11	1,870.58	46.53	41.199		
9,100.00	9,087.93	9,281.88	9,109.93	32.61	39.42	-90.53	145.22	-1,612.03	1,917.11	1,870.10	47.01	40.778		
9,200.00	9,187.93	9,381.88	9,209.93	32.96	39.71	-90.53	145.22	-1,612.03	1,917.11	1,869.61	47.49	40.365		
9,300.00	9,287.93	9,481.88	9,309.93	33.31	40.01	-90.53	145.22	-1,612.03	1,917.11	1,869.13	47.97	39.961		
9,400.00	9,387.93	9,581.88	9,409.93	33.66	40.30	-90.53	145.22	-1,612.03	1,917.11	1,868.65	48.46	39.563		
9,500.00	9,487.93	9,681.88	9,509.93	34.01	40.60	-90.53	145.22	-1,612.03	1,917.11	1,868.17	48.94	39.173		
9,600.00	9,587.93	9,781.88	9,609.93	34.36	40.89	-90.53	145.22	-1,612.03	1,917.11	1,867.69	49.42	38.791		
9,700.00	9,687.93	9,881.88	9,709.93	34.72	41.19	-90.53	145.22	-1,612.03	1,917.11	1,867.20	49.90	38.415		
9,800.00	9,787.93	9,981.88	9,809.93	35.07	41.49	-90.53	145.22	-1,612.03	1,917.11	1,866.72	50.39	38.046		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
9,900.00	9,887.93	10,081.88	9,909.93	35.42	41.79	-90.53	145.22	-1,612.03	1,917.11	1,866.24	50.87	37.684		
10,000.00	9,987.93	10,181.88	10,009.93	35.77	42.09	-90.53	145.22	-1,612.03	1,917.11	1,865.75	51.36	37.329		
10,100.00	10,087.93	10,281.88	10,109.93	36.12	42.39	-90.53	145.22	-1,612.03	1,917.11	1,865.27	51.84	36.980		
10,200.00	10,187.93	10,381.88	10,209.93	36.48	42.69	-90.53	145.22	-1,612.03	1,917.11	1,864.78	52.33	36.637		
10,300.00	10,287.93	10,481.88	10,309.93	36.83	42.99	-90.53	145.22	-1,612.03	1,917.11	1,864.29	52.81	36.300		
10,400.00	10,387.93	10,581.88	10,409.93	37.18	43.30	-90.53	145.22	-1,612.03	1,917.11	1,863.81	53.30	35.968		
10,500.00	10,487.93	10,681.88	10,509.93	37.53	43.60	-90.53	145.22	-1,612.03	1,917.11	1,863.32	53.79	35.643		
10,600.00	10,587.93	10,781.88	10,609.93	37.89	43.90	-90.53	145.22	-1,612.03	1,917.11	1,862.83	54.27	35.323		
10,700.00	10,687.93	10,881.88	10,709.93	38.24	44.21	-90.53	145.22	-1,612.03	1,917.11	1,862.35	54.76	35.009		
10,800.00	10,787.93	10,981.88	10,809.93	38.59	44.52	-90.53	145.22	-1,612.03	1,917.11	1,861.86	55.25	34.700		
10,900.00	10,887.93	11,081.88	10,909.93	38.94	44.82	-90.53	145.22	-1,612.03	1,917.11	1,861.37	55.74	34.396		
11,000.00	10,987.93	11,181.88	11,009.93	39.30	45.13	-90.53	145.22	-1,612.03	1,917.11	1,860.88	56.23	34.097		
11,100.00	11,087.93	11,281.88	11,109.93	39.65	45.44	-90.53	145.22	-1,612.03	1,917.11	1,860.39	56.71	33.803		
11,200.00	11,187.93	11,381.88	11,209.93	40.00	45.75	-90.53	145.22	-1,612.03	1,917.11	1,859.91	57.20	33.514		
11,300.00	11,287.93	11,481.88	11,309.93	40.36	46.06	-90.53	145.22	-1,612.03	1,917.11	1,859.42	57.69	33.230		
11,400.00	11,387.93	11,581.88	11,409.93	40.71	46.37	-90.53	145.22	-1,612.03	1,917.11	1,858.93	58.18	32.950		
11,500.00	11,487.93	11,681.88	11,509.93	41.07	46.68	-90.53	145.22	-1,612.03	1,917.11	1,858.44	58.67	32.675		
11,600.00	11,587.93	11,781.88	11,609.93	41.42	47.00	-90.53	145.22	-1,612.03	1,917.11	1,857.95	59.16	32.404		
11,700.00	11,687.93	11,881.88	11,709.93	41.77	47.31	-90.53	145.22	-1,612.03	1,917.11	1,857.46	59.65	32.138		
11,800.00	11,787.93	11,981.88	11,809.93	42.13	47.62	-90.53	145.22	-1,612.03	1,917.11	1,856.96	60.14	31.875		
11,900.00	11,887.93	12,081.88	11,909.93	42.48	47.94	-90.53	145.22	-1,612.03	1,917.11	1,856.47	60.63	31.617		
12,000.00	11,987.93	12,231.03	12,058.31	42.83	48.36	-90.87	133.82	-1,610.42	1,916.26	1,855.00	61.25	31.284		
12,100.00	12,087.93	12,387.29	12,205.31	43.19	48.70	-92.41	82.79	-1,603.25	1,912.32	1,850.58	61.73	30.977		
12,179.11	12,167.04	12,487.14	12,289.77	43.47	48.85	-93.99	30.28	-1,595.87	1,908.16	1,846.15	62.01	30.773		
12,200.00	12,187.93	12,510.26	12,307.92	43.54	48.88	86.27	16.10	-1,593.88	1,907.05	1,844.98	62.07	30.724		
12,250.00	12,237.75	12,562.64	12,346.81	43.70	48.94	85.94	-18.63	-1,589.00	1,904.31	1,842.10	62.21	30.612		
12,300.00	12,287.04	12,611.51	12,380.06	43.85	48.98	84.96	-54.07	-1,584.02	1,901.49	1,839.16	62.34	30.504		
12,350.00	12,335.41	12,657.49	12,408.45	44.00	49.01	84.41	-89.87	-1,578.99	1,898.62	1,836.16	62.46	30.400		
12,400.00	12,382.50	12,701.08	12,432.62	44.14	49.03	83.91	-125.79	-1,573.94	1,895.69	1,833.13	62.56	30.300		
12,450.00	12,427.95	12,742.70	12,453.05	44.27	49.04	83.46	-161.68	-1,568.89	1,892.72	1,830.06	62.66	30.206		
12,500.00	12,471.42	12,782.67	12,470.14	44.39	49.05	83.06	-197.44	-1,563.87	1,889.69	1,826.95	62.75	30.117		
12,550.00	12,512.57	12,821.24	12,484.22	44.50	49.06	82.71	-233.00	-1,558.87	1,886.61	1,823.79	62.82	30.034		
12,600.00	12,551.09	12,858.63	12,495.52	44.59	49.07	82.40	-268.29	-1,553.91	1,883.46	1,820.58	62.88	29.955		
12,650.00	12,586.68	12,895.02	12,504.28	44.68	49.08	82.13	-303.26	-1,549.00	1,880.23	1,817.30	62.92	29.881		
12,700.00	12,619.09	12,930.56	12,510.64	44.76	49.10	81.91	-337.88	-1,544.13	1,876.91	1,813.95	62.96	29.809		
12,750.00	12,648.05	12,965.36	12,514.76	44.84	49.11	81.73	-372.10	-1,539.32	1,873.50	1,810.50	63.00	29.739		
12,800.00	12,673.35	13,000.00	12,516.77	44.93	49.13	81.58	-406.33	-1,534.51	1,869.98	1,806.95	63.03	29.669		
12,850.00	12,694.80	13,015.99	12,517.00	45.04	49.14	81.71	-422.17	-1,532.29	1,866.46	1,803.43	63.03	29.611		
12,900.00	12,712.23	13,058.31	12,517.00	45.16	49.18	81.58	-464.12	-1,526.70	1,862.75	1,799.67	63.09	29.526		
12,950.00	12,725.51	13,100.00	12,517.00	45.28	49.21	81.60	-505.52	-1,521.81	1,859.18	1,796.02	63.16	29.435		
13,000.00	12,734.55	13,100.00	12,517.00	45.41	49.21	81.97	-505.52	-1,521.81	1,855.53	1,792.35	63.18	29.369		
13,050.00	12,739.26	13,147.40	12,517.00	45.54	49.26	82.16	-552.67	-1,516.99	1,851.63	1,788.32	63.31	29.248		
13,079.11	12,740.00	13,165.08	12,517.00	45.62	49.28	82.36	-570.28	-1,515.39	1,849.40	1,786.03	63.37	29.183		
13,100.00	12,740.00	13,177.78	12,517.00	45.68	49.29	82.36	-582.94	-1,514.30	1,847.84	1,784.42	63.42	29.135		
13,200.00	12,740.00	13,238.71	12,517.00	45.98	49.37	82.34	-643.70	-1,509.89	1,841.64	1,777.94	63.70	28.912		
13,300.00	12,740.00	13,300.00	12,517.00	46.34	49.47	82.33	-704.91	-1,506.75	1,837.55	1,773.53	64.01	28.706		
13,400.00	12,740.00	13,360.90	12,517.00	46.75	49.56	82.33	-765.78	-1,504.93	1,835.57	1,771.19	64.38	28.513		
13,443.82	12,740.00	13,387.80	12,517.00	46.96	49.62	82.33	-792.68	-1,504.54	1,835.37	1,770.82	64.55	28.433 CC		
13,500.00	12,740.00	13,443.82	12,517.00	47.22	49.73	82.33	-848.70	-1,503.99	1,835.37	1,770.52	64.85	28.300		
13,600.00	12,740.00	13,543.82	12,517.00	47.73	49.97	82.33	-948.70	-1,503.01	1,835.38	1,769.92	65.46	28.038		
13,700.00	12,740.00	13,643.82	12,517.00	48.30	50.28	82.33	-1,048.69	-1,502.02	1,835.39	1,769.25	66.14	27.750		
13,800.00	12,740.00	13,743.82	12,517.00	48.92	50.65	82.33	-1,148.69	-1,501.04	1,835.40	1,768.50	66.89	27.438		

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-OWSG (Rev2) MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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		
13,900.00	12,740.00	13,843.82	12,517.00	49.58	51.07	82.33	-1,248.68	-1,500.06	1,835.40	1,767.69	67.72	27.105		
14,000.00	12,740.00	13,943.82	12,517.00	50.29	51.56	82.33	-1,348.68	-1,499.07	1,835.41	1,766.81	68.61	26.753		
14,100.00	12,740.00	14,043.82	12,517.00	51.04	52.11	82.33	-1,448.67	-1,498.09	1,835.42	1,765.86	69.56	26.385		
14,200.00	12,740.00	14,143.82	12,517.00	51.83	52.70	82.33	-1,548.67	-1,497.11	1,835.43	1,764.85	70.58	26.004		
14,300.00	12,740.00	14,243.82	12,517.00	52.66	53.35	82.33	-1,648.66	-1,496.12	1,835.44	1,763.77	71.66	25.612		
14,400.00	12,740.00	14,343.82	12,517.00	53.53	54.05	82.33	-1,748.66	-1,495.14	1,835.45	1,762.64	72.80	25.211		
14,500.00	12,740.00	14,443.82	12,517.00	54.44	54.80	82.33	-1,848.65	-1,494.15	1,835.46	1,761.46	74.00	24.805		
14,600.00	12,740.00	14,543.82	12,517.00	55.38	55.58	82.33	-1,948.65	-1,493.17	1,835.46	1,760.22	75.24	24.394		
14,700.00	12,740.00	14,643.82	12,517.00	56.35	56.41	82.33	-2,048.64	-1,492.19	1,835.47	1,758.93	76.54	23.981		
14,800.00	12,740.00	14,743.82	12,517.00	57.35	57.27	82.33	-2,148.64	-1,491.20	1,835.48	1,757.60	77.88	23.567		
14,900.00	12,740.00	14,843.82	12,517.00	58.39	58.17	82.33	-2,248.63	-1,490.22	1,835.49	1,756.22	79.27	23.155		
15,000.00	12,740.00	14,943.82	12,517.00	59.45	59.11	82.33	-2,348.63	-1,489.23	1,835.50	1,754.80	80.70	22.744		
15,100.00	12,740.00	15,043.82	12,517.00	60.54	60.07	82.33	-2,448.62	-1,488.25	1,835.51	1,753.33	82.17	22.337		
15,200.00	12,740.00	15,143.82	12,517.00	61.65	61.07	82.33	-2,548.62	-1,487.27	1,835.52	1,751.83	83.68	21.934		
15,300.00	12,740.00	15,243.82	12,517.00	62.79	62.10	82.33	-2,648.61	-1,486.28	1,835.52	1,750.29	85.23	21.536		
15,400.00	12,740.00	15,343.82	12,517.00	63.94	63.15	82.33	-2,748.61	-1,485.30	1,835.53	1,748.72	86.81	21.144		
15,500.00	12,740.00	15,443.82	12,517.00	65.12	64.23	82.33	-2,848.60	-1,484.31	1,835.54	1,747.12	88.42	20.758		
15,600.00	12,740.00	15,543.82	12,517.00	66.32	65.33	82.33	-2,948.60	-1,483.33	1,835.55	1,745.48	90.07	20.380		
15,700.00	12,740.00	15,643.82	12,517.00	67.54	66.46	82.33	-3,048.59	-1,482.35	1,835.56	1,743.82	91.74	20.008		
15,800.00	12,740.00	15,743.82	12,517.00	68.78	67.61	82.33	-3,148.59	-1,481.36	1,835.57	1,742.12	93.44	19.644		
15,900.00	12,740.00	15,843.82	12,517.00	70.04	68.77	82.33	-3,248.58	-1,480.38	1,835.57	1,740.41	95.17	19.288		
16,000.00	12,740.00	15,943.82	12,517.00	71.31	69.96	82.33	-3,348.58	-1,479.39	1,835.58	1,738.66	96.92	18.939		
16,100.00	12,740.00	16,043.82	12,517.00	72.59	71.17	82.33	-3,448.57	-1,478.41	1,835.59	1,736.90	98.69	18.599		
16,200.00	12,740.00	16,143.82	12,517.00	73.89	72.39	82.33	-3,548.57	-1,477.43	1,835.60	1,735.11	100.49	18.267		
16,300.00	12,740.00	16,243.82	12,517.00	75.21	73.63	82.33	-3,648.56	-1,476.44	1,835.61	1,733.30	102.30	17.943		
16,400.00	12,740.00	16,343.82	12,517.00	76.53	74.89	82.33	-3,748.56	-1,475.46	1,835.62	1,731.48	104.14	17.626		
16,500.00	12,740.00	16,443.82	12,517.00	77.87	76.16	82.33	-3,848.55	-1,474.47	1,835.63	1,729.63	106.00	17.318		
16,600.00	12,740.00	16,543.82	12,517.00	79.22	77.45	82.33	-3,948.55	-1,473.49	1,835.63	1,727.76	107.87	17.017		
16,700.00	12,740.00	16,643.82	12,517.00	80.59	78.75	82.33	-4,048.55	-1,472.51	1,835.64	1,725.88	109.76	16.724		
16,800.00	12,740.00	16,743.82	12,517.00	81.96	80.06	82.33	-4,148.54	-1,471.52	1,835.65	1,723.98	111.67	16.439		
16,900.00	12,740.00	16,843.82	12,517.00	83.34	81.39	82.33	-4,248.54	-1,470.54	1,835.66	1,722.07	113.59	16.161		
17,000.00	12,740.00	16,943.82	12,517.00	84.74	82.73	82.33	-4,348.53	-1,469.56	1,835.67	1,720.14	115.52	15.890		
17,100.00	12,740.00	17,043.82	12,517.00	86.14	84.08	82.33	-4,448.53	-1,468.57	1,835.68	1,718.20	117.47	15.626		
17,200.00	12,740.00	17,143.82	12,517.00	87.55	85.43	82.33	-4,548.52	-1,467.59	1,835.68	1,716.25	119.44	15.369		
17,300.00	12,740.00	17,243.82	12,517.00	88.97	86.80	82.33	-4,648.52	-1,466.60	1,835.69	1,714.28	121.41	15.119		
17,400.00	12,740.00	17,343.82	12,517.00	90.39	88.18	82.33	-4,748.51	-1,465.62	1,835.70	1,712.30	123.40	14.876		
17,500.00	12,740.00	17,443.82	12,517.00	91.83	89.57	82.33	-4,848.51	-1,464.64	1,835.71	1,710.31	125.40	14.639		
17,600.00	12,740.00	17,543.82	12,517.00	93.27	90.97	82.33	-4,948.50	-1,463.65	1,835.72	1,708.31	127.41	14.408		
17,700.00	12,740.00	17,643.82	12,517.00	94.72	92.37	82.33	-5,048.50	-1,462.67	1,835.73	1,706.30	129.43	14.183		
17,800.00	12,740.00	17,743.82	12,517.00	96.17	93.79	82.33	-5,148.49	-1,461.68	1,835.74	1,704.28	131.46	13.964		
17,900.00	12,740.00	17,843.82	12,517.00	97.64	95.21	82.33	-5,248.49	-1,460.70	1,835.74	1,702.25	133.50	13.751		
18,000.00	12,740.00	17,943.82	12,517.00	99.10	96.63	82.33	-5,348.48	-1,459.72	1,835.75	1,700.21	135.55	13.543		
18,100.00	12,740.00	18,043.82	12,517.00	100.58	98.07	82.33	-5,448.48	-1,458.73	1,835.76	1,698.16	137.60	13.341		
18,200.00	12,740.00	18,143.82	12,517.00	102.05	99.51	82.33	-5,548.47	-1,457.75	1,835.77	1,696.10	139.67	13.144		
18,300.00	12,740.00	18,243.82	12,517.00	103.54	100.96	82.33	-5,648.47	-1,456.76	1,835.78	1,694.04	141.74	12.952		
18,400.00	12,740.00	18,343.82	12,517.00	105.03	102.41	82.33	-5,748.46	-1,455.78	1,835.79	1,691.97	143.82	12.765		
18,500.00	12,740.00	18,443.82	12,517.00	106.52	103.87	82.33	-5,848.46	-1,454.80	1,835.80	1,689.89	145.91	12.582		
18,600.00	12,740.00	18,543.82	12,517.00	108.02	105.34	82.33	-5,948.45	-1,453.81	1,835.80	1,687.80	148.00	12.404		
18,700.00	12,740.00	18,643.82	12,517.00	109.52	106.81	82.33	-6,048.45	-1,452.83	1,835.81	1,685.71	150.10	12.231		
18,800.00	12,740.00	18,743.82	12,517.00	111.03	108.29	82.33	-6,148.44	-1,451.84	1,835.82	1,683.62	152.21	12.061		
18,900.00	12,740.00	18,843.82	12,517.00	112.54	109.77	82.33	-6,248.44	-1,450.86	1,835.83	1,681.51	154.32	11.896		
19,000.00	12,740.00	18,943.82	12,517.00	114.05	111.26	82.33	-6,348.43	-1,449.88	1,835.84	1,679.40	156.44	11.735		

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

7/17/2021 12:24:44AM

Page 118

COMPASS 5000.15 Build 91



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design		PF Fed Com - PF Fed Com 803H - OH - Plan #1											Offset Site Error:		0.00 usft
Survey Program:		0-OWSG (Rev2) MWD											Offset Well Error:		0.00 usft
Reference		Offset		Semi Major Axis		Distance								Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	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			
19,100.00	12,740.00	19,043.82	12,517.00	115.57	112.75	82.33	-6,448.43	-1,448.89	1,835.85	1,677.29	158.56	11.578			
19,200.00	12,740.00	19,143.82	12,517.00	117.09	114.24	82.33	-6,548.42	-1,447.91	1,835.85	1,675.17	160.69	11.425			
19,300.00	12,740.00	19,243.82	12,517.00	118.62	115.74	82.33	-6,648.42	-1,446.92	1,835.86	1,673.04	162.82	11.275			
19,400.00	12,740.00	19,343.82	12,517.00	120.15	117.24	82.33	-6,748.41	-1,445.94	1,835.87	1,670.91	164.96	11.129			
19,500.00	12,740.00	19,443.82	12,517.00	121.68	118.75	82.33	-6,848.41	-1,444.96	1,835.88	1,668.78	167.10	10.986			
19,600.00	12,740.00	19,543.82	12,517.00	123.21	120.26	82.33	-6,948.40	-1,443.97	1,835.89	1,666.64	169.25	10.847			
19,700.00	12,740.00	19,643.82	12,517.00	124.75	121.78	82.33	-7,048.40	-1,442.99	1,835.90	1,664.49	171.40	10.711			
19,800.00	12,740.00	19,743.82	12,517.00	126.29	123.30	82.33	-7,148.40	-1,442.00	1,835.91	1,662.34	173.56	10.578			
19,900.00	12,740.00	19,843.82	12,517.00	127.84	124.82	82.33	-7,248.39	-1,441.02	1,835.91	1,660.19	175.72	10.448			
20,000.00	12,740.00	19,943.82	12,517.00	129.38	126.34	82.33	-7,348.39	-1,440.04	1,835.92	1,658.04	177.89	10.321			
20,100.00	12,740.00	20,043.82	12,517.00	130.93	127.87	82.33	-7,448.38	-1,439.05	1,835.93	1,655.88	180.05	10.197			
20,200.00	12,740.00	20,143.82	12,517.00	132.48	129.40	82.33	-7,548.38	-1,438.07	1,835.94	1,653.71	182.22	10.075			
20,300.00	12,740.00	20,243.82	12,517.00	134.04	130.94	82.33	-7,648.37	-1,437.09	1,835.95	1,651.55	184.40	9.956			
20,400.00	12,740.00	20,343.82	12,517.00	135.59	132.47	82.33	-7,748.37	-1,436.10	1,835.96	1,649.38	186.58	9.840			
20,500.00	12,740.00	20,443.82	12,517.00	137.15	134.01	82.33	-7,848.36	-1,435.12	1,835.97	1,647.21	188.76	9.726			
20,600.00	12,740.00	20,543.82	12,517.00	138.71	135.56	82.33	-7,948.36	-1,434.13	1,835.97	1,645.03	190.94	9.615			
20,700.00	12,740.00	20,643.82	12,517.00	140.27	137.10	82.33	-8,048.35	-1,433.15	1,835.98	1,642.85	193.13	9.506			
20,800.00	12,740.00	20,743.82	12,517.00	141.84	138.65	82.33	-8,148.35	-1,432.17	1,835.99	1,640.67	195.32	9.400			
20,900.00	12,740.00	20,843.82	12,517.00	143.41	140.20	82.33	-8,248.34	-1,431.18	1,836.00	1,638.48	197.52	9.295			
21,000.00	12,740.00	20,943.82	12,517.00	144.97	141.75	82.33	-8,348.34	-1,430.20	1,836.01	1,636.29	199.71	9.193			
21,100.00	12,740.00	21,043.82	12,517.00	146.54	143.30	82.33	-8,448.33	-1,429.21	1,836.02	1,634.10	201.91	9.093			
21,200.00	12,740.00	21,143.82	12,517.00	148.12	144.86	82.33	-8,548.33	-1,428.23	1,836.02	1,631.91	204.11	8.995			
21,300.00	12,740.00	21,243.82	12,517.00	149.69	146.42	82.33	-8,648.32	-1,427.25	1,836.03	1,629.72	206.32	8.899			
21,400.00	12,740.00	21,343.82	12,517.00	151.26	147.98	82.33	-8,748.32	-1,426.26	1,836.04	1,627.52	208.52	8.805			
21,500.00	12,740.00	21,443.82	12,517.00	152.84	149.54	82.33	-8,848.31	-1,425.28	1,836.05	1,625.32	210.73	8.713			
21,600.00	12,740.00	21,543.82	12,517.00	154.42	151.10	82.33	-8,948.31	-1,424.29	1,836.06	1,623.11	212.94	8.622			
21,700.00	12,740.00	21,643.82	12,517.00	156.00	152.67	82.33	-9,048.30	-1,423.31	1,836.07	1,620.91	215.16	8.534			
21,800.00	12,740.00	21,743.82	12,517.00	157.58	154.24	82.33	-9,148.30	-1,422.33	1,836.08	1,618.70	217.37	8.447			
21,900.00	12,740.00	21,843.82	12,517.00	159.16	155.81	82.33	-9,248.29	-1,421.34	1,836.08	1,616.50	219.59	8.361			
22,000.00	12,740.00	21,943.82	12,517.00	160.75	157.38	82.33	-9,348.29	-1,420.36	1,836.09	1,614.29	221.81	8.278			
22,100.00	12,740.00	22,043.82	12,517.00	162.33	158.95	82.33	-9,448.28	-1,419.37	1,836.10	1,612.07	224.03	8.196			
22,200.00	12,740.00	22,143.82	12,517.00	163.92	160.53	82.33	-9,548.28	-1,418.39	1,836.11	1,609.86	226.25	8.115			
22,300.00	12,740.00	22,243.82	12,517.00	165.51	162.10	82.33	-9,648.27	-1,417.41	1,836.12	1,607.64	228.48	8.036			
22,400.00	12,740.00	22,343.82	12,517.00	167.10	163.68	82.33	-9,748.27	-1,416.42	1,836.13	1,605.43	230.70	7.959			
22,500.00	12,740.00	22,443.82	12,517.00	168.69	165.26	82.33	-9,848.26	-1,415.44	1,836.14	1,603.21	232.93	7.883			
22,600.00	12,740.00	22,543.82	12,517.00	170.28	166.84	82.33	-9,948.26	-1,414.45	1,836.14	1,600.98	235.16	7.808			
22,700.00	12,740.00	22,643.82	12,517.00	171.87	168.42	82.33	-10,048.25	-1,413.47	1,836.15	1,598.76	237.39	7.735			
22,800.00	12,740.00	22,743.82	12,517.00	173.47	170.00	82.33	-10,148.25	-1,412.49	1,836.16	1,596.54	239.62	7.663			
22,874.14	12,740.00	22,817.96	12,517.00	174.65	171.18	82.33	-10,222.38	-1,411.76	1,836.17	1,594.89	241.28	7.610 ES, SF			

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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 3031' GE + 30' KB @ 3061.00usft

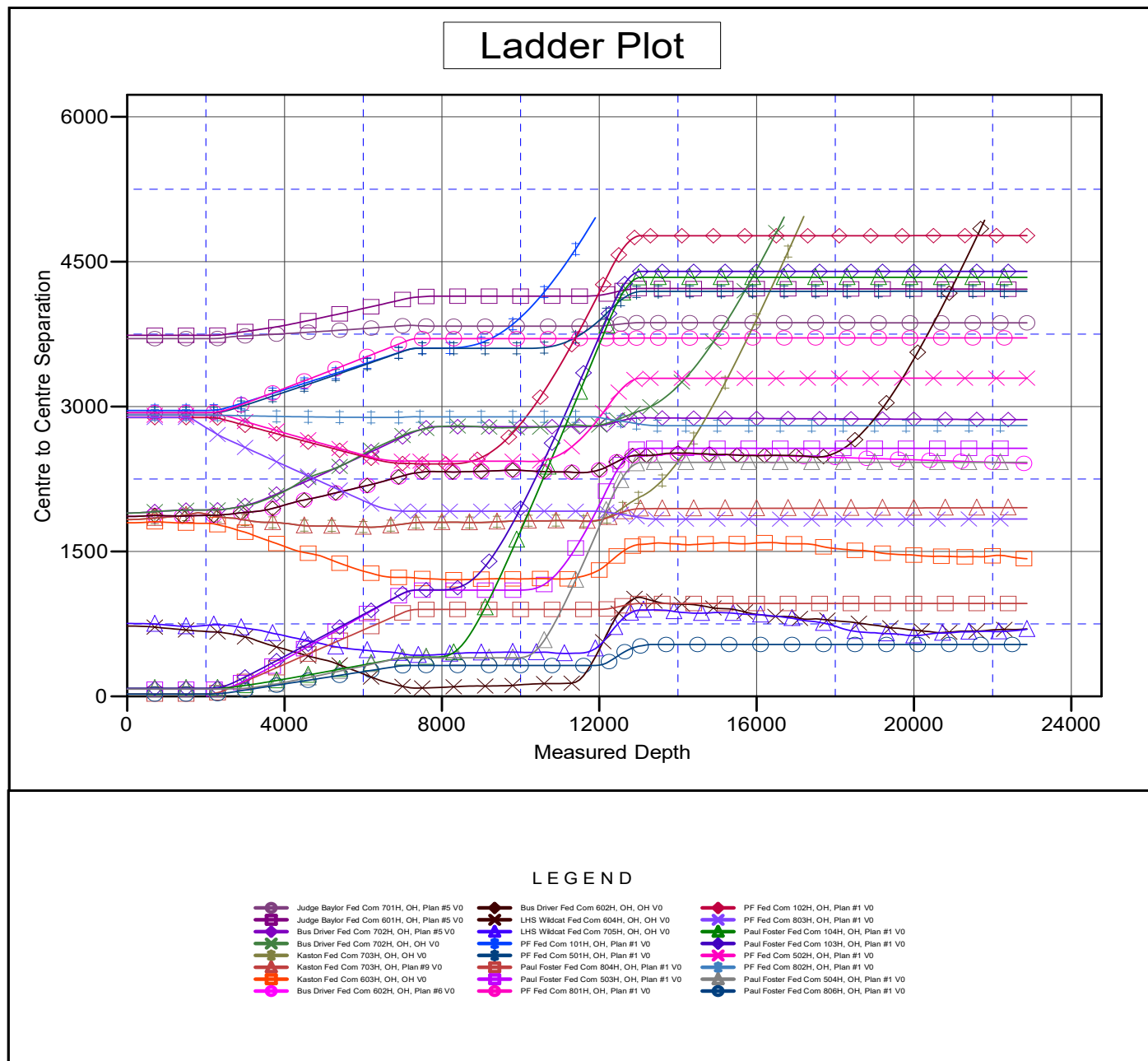
Offset Depths are relative to Offset Datum

Central Meridian is -104.333334

Coordinates are relative to: Paul Foster Fed Com 805H

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

Grid Convergence at Surface is: 0.54°



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



Total Directional Services

Anticollision Report



Company:	Franklin Mountain Energy	Local Co-ordinate Reference:	Well Paul Foster Fed Com 805H
Project:	Lea County, NM (NAD83)	TVD Reference:	3031' GE + 30' KB @ 3061.00usft
Reference Site:	PF Fed Com	MD Reference:	3031' GE + 30' KB @ 3061.00usft
Site Error:	0.00 usft	North Reference:	Grid
Reference Well:	Paul Foster Fed Com 805H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	EDM 5000.15 Single User Db
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 3031' GE + 30' KB @ 3061.00usft

Offset Depths are relative to Offset Datum

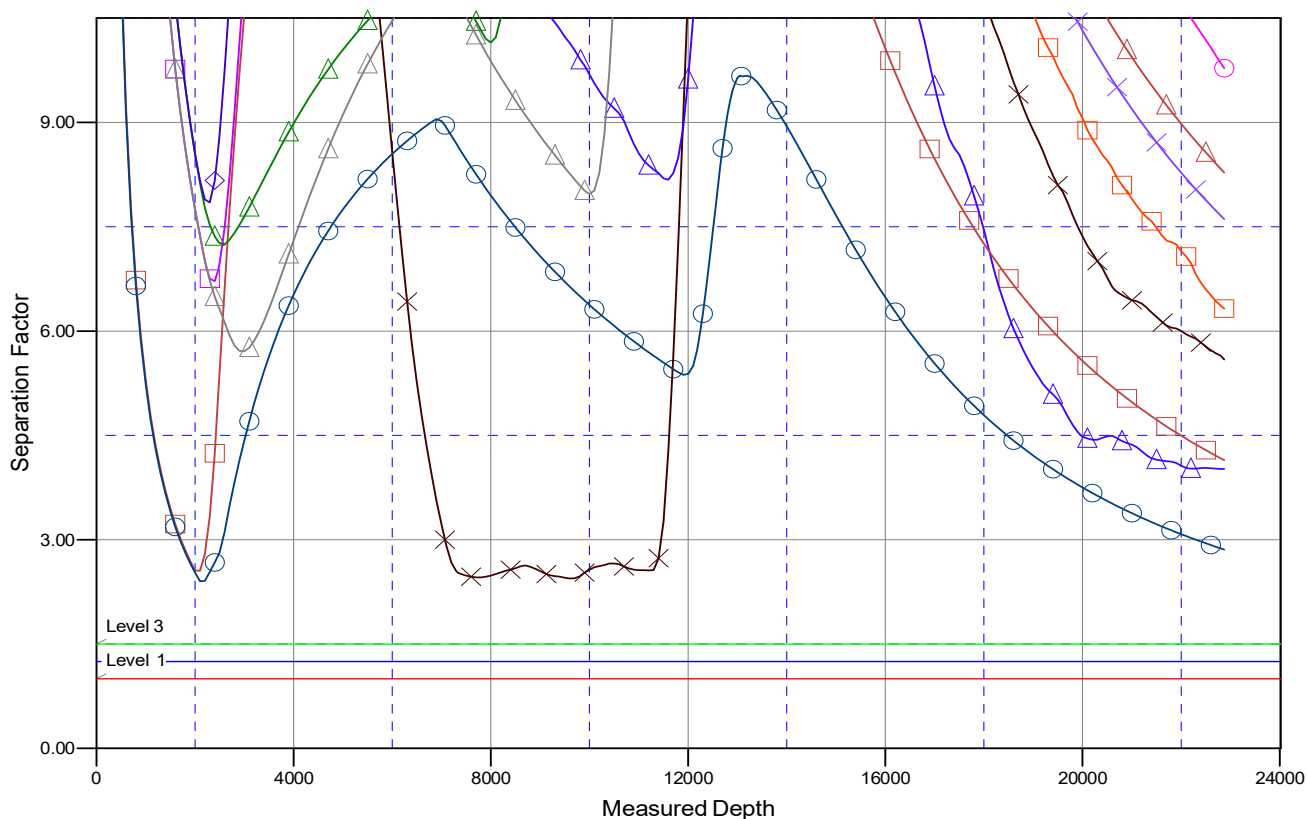
Central Meridian is -104.333334

Coordinates are relative to: Paul Foster Fed Com 805H

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

Grid Convergence at Surface is: 0.54°

Separation Factor Plot



LEGEND

Judge Baylor Fed Com 701H, OH, Plan #5 V0	Bus Driver Fed Com 602H, OH, OH V0	PF Fed Com 102H, OH, Plan #1 V0
Judge Baylor Fed Com 601H, OH, Plan #5 V0	LHS Wildcat Fed Com 604H, OH, OH V0	PF Fed Com 803H, OH, Plan #1 V0
Bus Driver Fed Com 702H, OH, Plan #5 V0	LHS Wildcat Fed Com 708H, OH, OH V0	Paul Foster Fed Com 104H, OH, Plan #1 V0
Bus Driver Fed Com 702H, OH, OH V0	PF Fed Com 101H, OH, Plan #1 V0	Paul Foster Fed Com 103H, OH, Plan #1 V0
Kastori Fed Com 703H, OH, OH V0	PF Fed Com 501H, OH, Plan #1 V0	PF Fed Com 502H, OH, Plan #1 V0
Kastori Fed Com 703H, OH, Plan #9 V0	Paul Foster Fed Com 804H, OH, Plan #1 V0	PF Fed Com 802H, OH, Plan #1 V0
Kastori Fed Com 603H, OH, OH V0	Paul Foster Fed Com 503H, OH, Plan #1 V0	Paul Foster Fed Com 504H, OH, Plan #1 V0
Bus Driver Fed Com 602H, OH, Plan #6 V0	PF Fed Com 801H, OH, Plan #1 V0	Paul Foster Fed Com 806H, OH, Plan #1 V0

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

**PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Franklin Mountain Energy, LLC
LEASE NO.:	NMNM117126, NMNM12280, NMNM119761, NMNM130330
COUNTY:	Lea County

Wells:

Paul Foster MH West Pad 1	
Paul Foster Fed Com 101H	650 FNL, 1,268 FWL
Paul Foster Fed Com 102H	650 FNL, 1,343 FWL
Paul Foster Fed Com 501H	650 FNL, 1,293 FWL
Paul Foster Fed Com 502H	650 FNL, 1,318 FWL
Paul Foster Fed Com 801H	575 FNL, 1,281 FWL
Paul Foster Fed Com 802H	575 FNL, 1,306 FWL
Paul Foster Fed Com 803H	575 FNL, 1,331 FWL
Paul Foster MH East Pad 2	
Paul Foster Fed Com 103H	285 FNL, 1,125 FEL
Paul Foster Fed Com 104H	285 FNL, 1,050 FEL
Paul Foster Fed Com 503H	285 FNL, 1,100 FEL
Paul Foster Fed Com 504H	285 FNL, 1,075 FEL
Paul Foster Fed Com 804H	210 FNL, 1,112 FEL
Paul Foster Fed Com 805H	210 FNL, 1,087 FEL
Paul Foster Fed Com 806H	210 FNL, 1,062 FEL

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

- ☐ **General Provisions**
- ☐ **Permit Expiration**
- ☐ **Archaeology, Paleontology, and Historical Sites**
- ☐ **Noxious Weeds**
- ☒ **Special Requirements**
 - Watershed
 - Lesser Prairie Chicken
 - VRM IV
- ☐ **Construction**
 - Notification
 - Topsoil
 - Closed Loop System
 - Federal Mineral Material Pits
 - Well Pads
 - Roads
- ☐ **Road Section Diagram**
- ☒ **Production (Post Drilling)**
 - Well Structures & Facilities
 - Pipelines
 - Electric Lines
- ☐ **Interim Reclamation**
- ☐ **Final Abandonment & Reclamation**

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

OR

If the entire project is covered under the Permian Basin Programmatic Agreement (cultural resources only):

The proponent has contributed funds commensurate to the undertaking into an account for offsite mitigation. Participation in the PA serves as mitigation for the effects of this project on cultural resources. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and the BLM will be notified as soon as possible within 24 hours. Work shall not resume until a Notice to Proceed is issued by the BLM. See information below discussing NAGPRA.

If the proposed project is split between a Class III inventory and a Permian Basin Programmatic Agreement contribution, the portion of the project covered under Class III inventory should default to the first paragraph stipulations.

The holder is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA) to protect such cultural items as human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered inadvertently during the course of project implementation. In the event that any of the cultural items listed above are discovered during the course of project work, the proponent shall immediately halt the disturbance and contact the BLM within 24 hours for instructions. The proponent or initiator of any project shall be held responsible for protecting, evaluating, reporting, excavating, treating, and disposing of these cultural items according to the procedures established by the BLM in consultation with Indian Tribes."

Any paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Watershed:

The entire well pad(s) will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad. The compacted berm shall be constructed at a minimum of 12 inches with impermeable mineral material (e.g. caliche). Topsoil shall not be used to construct the berm. No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad. The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed. Any water erosion that may occur due to the construction of the well pad during the life of the well will be quickly corrected and proper measures will be taken to prevent future erosion. Stockpiling of topsoil is required. The topsoil shall be stockpiled in an appropriate location to prevent loss of soil due to water or wind erosion and not used for berming or erosion control. If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.

BURIED/SURFACE LINE(S):

When crossing ephemeral drainages the pipeline(s) will be buried to a minimum depth of 48 inches from the top of pipe to ground level. Erosion control methods such as gabions and/or rock aprons should be placed on both up and downstream sides of the pipeline crossing. In addition, curled (weed free) wood/straw fiber wattles/logs and/or silt fences should be placed on the downstream side for sediment control during construction and maintained until soils and vegetation have stabilized. Water bars should be placed within the ROW to divert and dissipate surface runoff. A pipeline access road is not permitted to cross these ephemeral drainages. Traffic should be diverted to a preexisting route. Additional seeding may be required in floodplains and drainages to restore energy dissipating vegetation.

Prior to pipeline installation/construction a leak detection plan will be developed. The method(s) could incorporate gauges to detect pressure drops, situating valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.

ELECTRIC LINE(S):

Any water erosion that may occur due to the construction of overhead electric line and during the life of the power line will be quickly corrected and proper measures will be taken to prevent future erosion. A power pole should not be placed in drainages, playas, wetlands, riparian areas, or

floodplains and must span across the features at a distance away that would not promote further erosion.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Timing Limitation Exceptions:

The Carlsbad Field Office will publish an annual map of where the LPC timing and noise stipulations and conditions of approval (Limitations) will apply for the identified year (between March 1 and June 15) based on the latest survey information. The LPC Timing Area map will identify areas which are Habitat Areas (HA), Isolated Population Area (IPA), and Primary Population Area (PPA). The LPC Timing Area map will also have an area in red crosshatch. The red crosshatch area is the only area where an operator is required to submit a request for exception to the LPC Limitations. If an operator is operating outside the red crosshatch area, the LPC Limitations do not apply for that year and an exception to LPC Limitations is not required.

Ground-level Abandoned Well Marker to avoid raptor perching:

Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

VRM IV:

Above-ground structures including meter housing that are not subject to safety requirements are painted a flat non-reflective paint color, Shale Green from the BLM Standard Environmental Color Chart (CC-001: June 2008).

Short-term mitigation measures include painting all above-ground structures that are not subject to safety requirements (including meter housing) Shale Green, which is a flat non-reflective paint color listed in the BLM Standard Environmental Color Chart (CC-001: June 2013). Long-term mitigation measures include the removal of wells and associated infrastructure following abandonment (end of cost-effective production). Previously impacted areas will be reclaimed by removing structures and caliche pads, returning disturbed areas to natural grade, and revegetating with an approved BLM seed mixture; thereby eliminating visual impacts.

VI. CONSTRUCTION**A. NOTIFICATION**

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5909 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall strip the top portion of the soil (root zone) from the entire well pad area and stockpile the topsoil along the edge of the well pad as depicted in the APD. The root zone is typically six (6) inches in depth. All the stockpiled topsoil will be redistributed over the interim reclamation areas. Topsoil shall not be used for berming the pad or facilities. For final reclamation, the topsoil shall be spread over the entire pad area for seeding preparation.

Other subsoil (below six inches) stockpiles must be completely segregated from the topsoil stockpile. Large rocks or subsoil clods (not evident in the surrounding terrain) must be buried within the approved area for interim and final reclamation.

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

Payment shall be made to the BLM prior to removal of any federal mineral materials. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation. The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. EXCLOSURE FENCING (CELLARS & PITS)**Exclosure Fencing**

The operator will install and maintain exclosure fencing for all open well cellars to prevent access to public, livestock, and large forms of wildlife before and after drilling operations until the pit is free of fluids and the operator initiates backfilling. (For examples of exclosure fencing design, refer to BLM's Oil and Gas Gold Book, Exclosure Fence Illustrations, Figure 1, Page 18.)

G. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed twenty-five (25) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

Turnouts

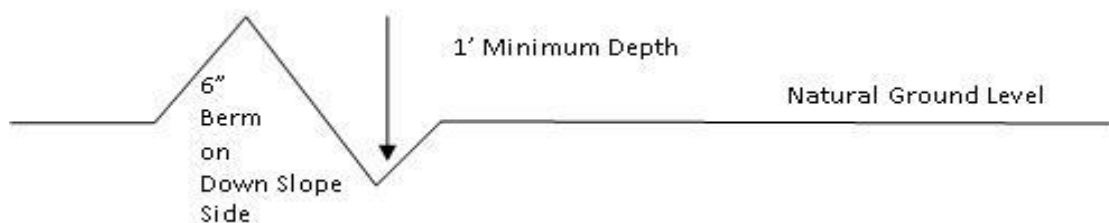
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsliping and insliping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

$$400 \text{ foot road with } 4\% \text{ road slope: } \frac{400'}{4\%} + 100' = 200' \text{ lead-off ditch interval}$$

Cattle guards

An appropriately sized cattle guard sufficient to carry out the project shall be installed and maintained at fence/road crossings. Any existing cattle guards on the access road route shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattle guards that are in place and are utilized during lease operations.

Fence Requirement

Where entry is granted across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting. The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fences.

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Construction Steps

1. Salvage topsoil
2. Construct road

3. Redistribute topsoil
4. Revegetate slopes

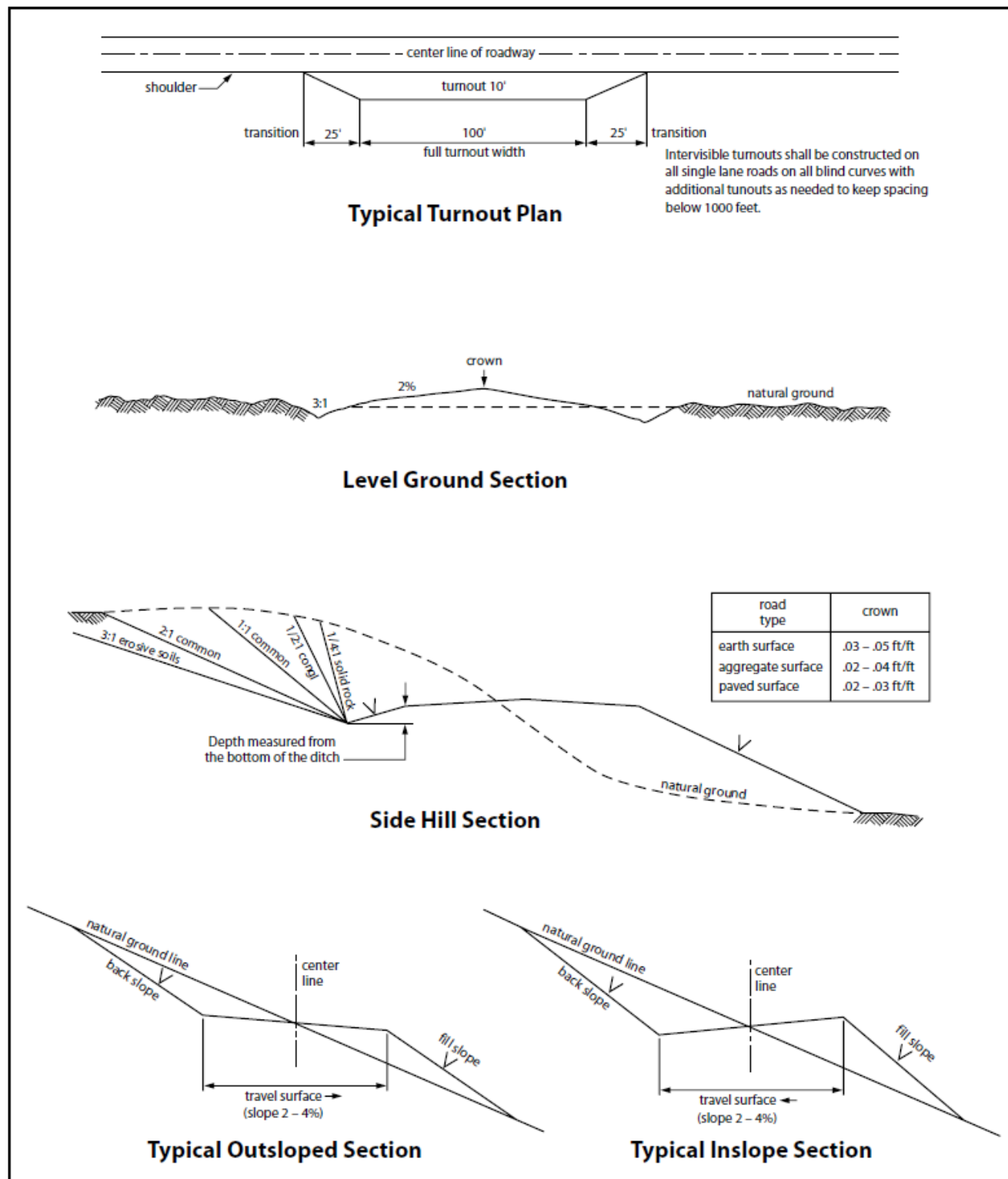


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Exclosure Netting (Open-top Tanks)

Immediately following active drilling or completion operations, the operator will take actions necessary to prevent wildlife and livestock access, including avian wildlife, to all open-topped tanks that contain or have the potential to contain salinity sufficient to cause harm to wildlife or livestock, hydrocarbons, or Resource Conservation and Recovery Act of 1976-exempt hazardous substances. At a minimum, the operator will net, screen, or cover open-topped tanks to exclude wildlife and livestock and prevent mortality. If the operator uses netting, the operator will cover and secure the open portion of the tank to prevent wildlife entry. The operator will net, screen, or cover the tanks until the operator removes the tanks from the location or the tanks no longer contain substances that could be harmful to wildlife or livestock. Use a maximum netting mesh size of 1 ½ inches. The netting must not be in contact with fluids and must not have holes or gaps.

Chemical and Fuel Secondary Containment and Exclosure Screening

The operator will prevent all hazardous, poisonous, flammable, and toxic substances from coming into contact with soil and water. At a minimum, the operator will install and maintain an impervious secondary containment system for any tank or barrel containing hazardous, poisonous, flammable, or toxic substances sufficient to contain the contents of the tank or barrel and any drips, leaks, and anticipated precipitation. The operator will dispose of fluids within the containment system that do not meet applicable state or U. S. Environmental Protection Agency livestock water standards in accordance with state law; the operator must not drain the fluids to the soil or ground. The operator will design, construct, and maintain all secondary containment systems to prevent wildlife and livestock exposure to harmful substances. At a minimum, the operator will install effective wildlife and livestock exclosure systems such as fencing, netting, expanded metal mesh, lids, and grate covers. Use a maximum netting mesh size of 1 ½ inches.

Open-Vent Exhaust Stack Exclosures

The operator will construct, modify, equip, and maintain all open-vent exhaust stacks on production equipment to prevent birds and bats from entering, and to discourage perching, roosting, and nesting. (*Recommended exclosure structures on open-vent exhaust stacks are in the shape of a cone.*) Production equipment includes, but may not be limited to, tanks, heater-treaters, separators, dehydrators, flare stacks, in-line units, and compressor mufflers.

Containment Structures

Proposed production facilities such as storage tanks and other vessels will have a secondary containment structure that is constructed to hold the capacity of 1.5 times the largest tank, plus freeboard to account for precipitation, unless more stringent protective requirements are deemed necessary.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, **Shale Green** from the BLM Standard Environmental Color Chart (CC-001: June 2008).

B. PIPELINES

- The BLM, Carlsbad Field Office, will be informed immediately if any subsurface drainage channels, passages, or voids are intersected by trenching, and no pipe will be laid in the trench at that point until clearance has been issued by the Authorized Officer.
- If a void is encountered alignments may be rerouted to avoid the karst feature and lessen; the potential of subsidence or collapse of karst features, buildup of toxic or combustible gas, or other possible impacts to cave and karst resources from the buried pipeline.
- Special restoration stipulations or realignment may be required at such intersections, if any.
- A leak detection plan **will be submitted to the BLM Carlsbad Field Office for approval** prior to pipeline installation. The method could incorporate gauges to detect pressure drops, siting valves and lines so they can be visually inspected periodically or installing electronic sensors to alarm when a leak is present. The leak detection plan will incorporate an automatic shut off system that will be installed for proposed pipelines to minimize the effects of an undesirable event.
- Regular monitoring is required to quickly identify leaks for their immediate and proper treatment.
- All spills or leaks will be reported to the BLM immediately for their immediate and proper treatment.

BURIED PIPELINE STIPULATIONS

A copy of the application (Grant, APD, or Sundry Notice) and attachments, including conditions of approval, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

1. The Holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
2. The Holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the

Right-of-Way (unless the release or threatened release is wholly unrelated to the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

4. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil or other pollutant, wherever found, shall be the responsibility of holder, regardless of fault. Upon failure of holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve holder of any responsibility as provided herein.

5. All construction and maintenance activity will be confined to the authorized right-of-way.

6. The pipeline will be buried with a minimum cover of 36 inches between the top of the pipe and ground level.

7. The maximum allowable disturbance for construction in this right-of-way will be 30 feet:

- Blading of vegetation within the right-of-way will be allowed: maximum width of blading operations will not exceed 20 feet. The trench is included in this area. (*Blading is defined as the complete removal of brush and ground vegetation.*)
- Clearing of brush species within the right-of-way will be allowed: maximum width of clearing operations will not exceed 30 feet. The trench and bladed area are included in this area. (*Clearing is defined as the removal of brush while leaving ground vegetation (grasses, weeds, etc.) intact. Clearing is best accomplished by holding the blade 4 to 6 inches above the ground surface.*)
- The remaining area of the right-of-way (if any) shall only be disturbed by compressing the vegetation. (*Compressing can be caused by vehicle tires, placement of equipment, etc.*)

8. The holder shall stockpile an adequate amount of topsoil where blading is allowed. The topsoil to be stripped is approximately 6 inches in depth. The topsoil will be segregated from other spoil piles from trench construction. The topsoil will be evenly distributed over the bladed area for the preparation of seeding.

9. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

10. Vegetation, soil, and rocks left as a result of construction or maintenance activity will be randomly scattered on this right-of-way and will not be left in rows, piles, or berms, unless otherwise approved by the Authorized Officer. The entire right-of-way shall be recontoured to match the surrounding landscape. The backfilled soil shall be compacted and a 6 inch berm will be left over the ditch line to allow for settling back to grade.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.

12. The holder will reseed all disturbed areas. Seeding will be done according to the attached seeding requirements, using the following seed mix.

☐Seed Mixture 1

☐Seed Mixture 2

☐Seed Mixture 2/LPC

☐Seed Mixture 3

☐Seed Mixture 4

☐Seed Mixture Aplomado Falcon Mixture

13. All above-ground structures not subject to safety requirements shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be color which simulates "Standard Environmental Colors" – **Shale Green**, Munsell Soil Color No. 5Y 4/2.

14. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. All signs and information thereon will be posted in a permanent, conspicuous manner, and will be maintained in a legible condition for the life of the pipeline.

15. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder before maintenance begins. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway. As determined necessary during the life of the pipeline, the Authorized Officer may ask the holder to construct temporary deterrence structures.

16. Any cultural resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

The proponent has contributed funds commensurate to the undertaking into an account for offsite mitigation. Participation in the PA serves as mitigation for the effects of this project on cultural resources. If any human skeletal remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered at any time during construction, all construction activities shall halt and the BLM will be notified as soon as possible within 24 hours. Work shall not resume until a Notice to Proceed is issued by the BLM. See Stipulation 17 for more information.

If the proposed project is split between a Class III inventory and a Permian Basin Programmatic Agreement contribution, the portion of the project covered under Class III inventory should default to the first paragraph stipulations.

17. The holder is hereby obligated to comply with procedures established in the Native American Graves Protection and Repatriation Act (NAGPRA) to protect such cultural items as human remains, associated funerary objects, sacred objects, and objects of cultural patrimony discovered inadvertently during the course of project implementation. In the event that any of the cultural items listed above are discovered during the course of project work, the proponent shall immediately halt the disturbance and contact the BLM within 24 hours for instructions. The proponent or initiator of any project shall be held responsible for protecting, evaluating, reporting, excavating, treating, and disposing of these cultural items according to the procedures established by the BLM in consultation with Indian Tribes."

18. Any paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on the holder's behalf, on public or Federal land shall be immediately reported to the Authorized Officer. The holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery will be made by the Authorized Officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to the proper mitigation measures will be made by the Authorized Officer after consulting with the holder.

19. The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes associated roads, pipeline corridor and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

20. Escape Ramps - The operator will construct and maintain pipeline/utility trenches [that are not otherwise fenced, screened, or netted] to prevent livestock, wildlife, and humans from becoming entrapped. At a minimum, the operator will construct and maintain escape ramps, ladders, or other methods of avian and terrestrial wildlife escape in the trenches according to the following criteria:

- a. Any trench left open for eight (8) hours or less is not required to have escape ramps; however, before the trench is backfilled, the contractor/operator shall inspect the trench for wildlife, remove all trapped wildlife, and release them at least 100 yards from the trench.
- b. For trenches left open for eight (8) hours or more, earthen escape ramps (built at no more than a 30 degree slope and spaced no more than 500 feet apart) shall be placed in the trench.

VIII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

Within six (6) months of well completion, operators should work with BLM surface management specialists (Jim Amos: 575-234-5909) to devise the best strategies to reduce the size of the location. Interim reclamation should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche that is free of contaminants may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

All disturbed areas after they have been satisfactorily prepared need to be reseeded with the seed mixture provided below.

Upon completion of interim reclamation, the operator shall submit a Sundry Notices and Reports on Wells, Subsequent Report of Reclamation (Form 3160-5).

IX. FINAL ABANDONMENT & RECLAMATION

At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land are restored.

Earthwork for final reclamation must be completed within six (6) months of well plugging. All pads, pits, facility locations and roads must be reclaimed to a satisfactory revegetated, safe, and stable condition, unless an agreement is made with the landowner or BLM to keep the road and/or pad intact.

After all disturbed areas have been satisfactorily prepared, these areas need to be revegetated with the seed mixture provided below. Seeding should be accomplished by drilling on the contour whenever practical or by other approved methods. Seeding may need to be repeated until revegetation is successful, as determined by the BLM.

Operators shall contact a BLM surface protection specialist prior to surface abandonment operations for site specific objectives (Jim Amos: 575-234-5909).

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well.

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species

	<u>lb/acre</u>
Sand dropseed (<i>Sporobolus cryptandrus</i>)	1.0
Sand love grass (<i>Eragrostis trichodes</i>)	1.0
Plains bristlegrass (<i>Setaria macrostachya</i>)	2.0

*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Franklin Mountain Energy LLC
LEASE NO.:	NMNM117126
LOCATION:	Section 1, T.26 S., R.35 E., NMPM
COUNTY:	Lea County, New Mexico
Sundry ID:	N/A

WELL NAME & NO.:	PF Fed Com 101H
SURFACE HOLE FOOTAGE:	650'/N & 1268'/W
BOTTOM HOLE FOOTAGE:	150'/S & 900'/W

WELL NAME & NO.:	PF Fed Com 102H
SURFACE HOLE FOOTAGE:	650'/N & 1343'/W
BOTTOM HOLE FOOTAGE:	1170'/N & 2100'/W

WELL NAME & NO.:	PF Fed Com 103H
SURFACE HOLE FOOTAGE:	285'/N & 1125'/E
BOTTOM HOLE FOOTAGE:	1170'/N & 1880'/E

WELL NAME & NO.:	PF Fed Com 501H
SURFACE HOLE FOOTAGE:	650'/N & 1293'/W
BOTTOM HOLE FOOTAGE:	150'/S & 900'/W

WELL NAME & NO.:	PF Fed Com 502H
SURFACE HOLE FOOTAGE:	650'/N & 1318'/W
BOTTOM HOLE FOOTAGE:	1170'/N & 2100'/W

WELL NAME & NO.:	PF Fed Com 504H
SURFACE HOLE FOOTAGE:	285'/N & 1075'/E
BOTTOM HOLE FOOTAGE:	150'/S & 380'/E

WELL NAME & NO.:	PF Fed Com 801H
SURFACE HOLE FOOTAGE:	575'/N & 1281'/W
BOTTOM HOLE FOOTAGE:	150'/S & 800'/W

WELL NAME & NO.:	PF Fed Com 802H
SURFACE HOLE FOOTAGE:	575'/N & 1306'/W
BOTTOM HOLE FOOTAGE:	1170'/N & 1720'/W

WELL NAME & NO.:	PF Fed Com 803H
SURFACE HOLE FOOTAGE:	575'/N & 1331'/W
BOTTOM HOLE FOOTAGE:	1170'/N & 2600'/E

WELL NAME & NO.:	PF Fed Com 804H
SURFACE HOLE FOOTAGE:	210'/N & 1112'/E
BOTTOM HOLE FOOTAGE:	1170'/N & 1680'/E

WELL NAME & NO.:	PF Fed Com 805H
SURFACE HOLE FOOTAGE:	210'/N & 1087'/E
BOTTOM HOLE FOOTAGE:	150'/S & 780'/E

WELL NAME & NO.:	PF Fed Com 806H
SURFACE HOLE FOOTAGE:	210'/N & 1062'/E
BOTTOM HOLE FOOTAGE:	150'/S & 380'/E

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☒ None	☐ Flex Hose	☐ Other
Wellhead	☐ Conventional	☐ Multibowl	☒ Both
Wellhead Variance	☐ Diverter		
Other	☒ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Cement Squeeze	☐ EchoMeter	
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit
Special Requirements Variance	☐ Break Testing	☐ Offline Cementing	

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The 13-3/8 inch surface casing shall be set at approximately **970 feet** (a minimum of **25 feet (Lea County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature

survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** intermediate casing shoe shall be **5000 (5M)** psi.
- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7-5/8** inch intermediate casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

Option 2:

- a. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - v. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)**Communitization Agreement**

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
393-3612

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not

hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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

CONDITIONS

Action 88439

CONDITIONS

Operator: Franklin Mountain Energy LLC 44 Cook Street Denver, CO 80206	OGRID: 373910
	Action Number: 88439
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Will require a File As Drilled C-102 and a Directional Survey with the C-104	3/15/2022
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	3/15/2022
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	3/15/2022
pkautz	Cement is required to circulate on both surface and intermediate1 strings of casing	3/15/2022