Form 3160-3
(June 2015)

OCD – HOBBS
11/18/2020
RECEIVED

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

5. Lease Serial No.
NMNM117126

6. If Indian, Allotee or Tribe Name

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

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
BUS DRIVER FED COM [329875]
702H

2. Name of Operator
FRANKLIN MOUNTAIN ENERGY LLC [373910]

9. API Well No. 30-025-48101

3a. Address
2401 E 2nd Avenue, Suite 300, Denver, CO 80206

3b. Phone No. *(include area code)*
(720) 414-7868

10. Field and Pool, or Exploratory [98228]
UPR WOLFCAMP [98187]/WC-025 G-09

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface SESW / 312 FSL / 2375 FWL / LAT 32.080431 / LONG -103.322121
At proposed prod. zone NENE / 1170 FNL / 1700 FWL / LAT 32.04732 / LONG -103.324279

11. Sec., T. R. M. or Blk. and Survey or Area
SEC 36/T25S/R35E/NMP

14. Distance in miles and direction from nearest town or post office*

12. County or Parish
LEA

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
312 feet

16. No of acres in lease
1080

17. Spacing Unit dedicated to this well
720.0

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
35 feet

19. Proposed Depth
12198 feet / 24110 feet

20. BLM/BIA Bond No. in file
FED: NMB001761

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3058 feet

22. Approximate date work will start*
09/01/2020

23. Estimated duration
30 days

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
(Electronic Submission)

Name *(Printed/Typed)*
JENNIFER SUMMERS / Ph: (720) 414-7868

Date
04/29/2020

Title
Field Technician

Approved by *(Signature)*
(Electronic Submission)

Name *(Printed/Typed)*
Cody Layton / Ph: (575) 234-5959

Date
10/21/2020

Title
Assistant Field Manager Lands & Minerals

Office
Carlsbad Field 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.

GCP Rec 11/18/2020

SL

APPROVED WITH CONDITIONS

KZ
12/01/2020

Approval Date: 10/21/2020

(Continued on page 2)

*(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 wen, 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 directionany 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 wen 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 win 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 conects this information to anow 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 Conection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

Additional Operator Remarks

Location of Well

0. SHL: SESW / 312 FSL / 2375 FWL / TWSP: 25S / RANGE: 35E / SECTION: 36 / LAT: 32.080431 / LONG: -103.322121 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 0 FNL / 1707 FWL / TWSP: 26S / RANGE: 35E / SECTION: 12 / LAT: 32.065043 / LONG: -103.324267 (TVD: 12113 feet, MD: 17662 feet)

PPP: NENW / 47 FNL / 1713 FWL / TWSP: 26S / RANGE: 35E / SECTION: 1 / LAT: 32.079443 / LONG: -103.324257 (TVD: 12046 feet, MD: 12422 feet)

PPP: NENW / 0 FNL / 1800 FWL / TWSP: 26S / RANGE: 35E / SECTION: 1 / LAT: 32.079573 / LONG: -103.323975 (TVD: 12045 feet, MD: 12400 feet)

BHL: NENE / 1170 FNL / 1700 FWL / TWSP: 26S / RANGE: 35E / SECTION: 13 / LAT: 32.04732 / LONG: -103.324279 (TVD: 12198 feet, MD: 24110 feet)

BLM Point of Contact

Name: Tenille Ortiz
Title: Legal Instruments Examiner
Phone: (575) 234-2224
Email: tortiz@blm.gov

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.

FRANKLIN MOUNTAIN ENERGY

Hydrogen Sulfide Plan

A. All personnel shall receive proper awareness H_2S 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/Escape packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
            3. Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation
        ii. Auxiliary Rescue Equipment
            1. Stretcher
            2. Two OSHA full body harnesses
            3. 100 feet of 5/8 inches OSHA approved rope
            4. 1-20# class ABC fire extinguisher
    c. H_2S 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 H_2S 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 H_2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H_2S 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 H_2S 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 H_2S 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 H_2S contingency plan. This will be reevaluated during wellbore construction if H_2S is observed and after the well is on production.

Emergency Contact List:

Vladimir Roudakov, Drilling Engineer	**Cell 720 933 9784**
Rachael Overbey, Project and Regulatory Director	**Cell 303 570 4057**
Franklin Mountain Energy Afterhours Emergency Call Tree:	**720-640-7517**

EMERGENCY NUMBERS:

Agency	Telephone Number
BLM – Carlsbad Mainline	**575-234-5972**
BLM – Spill Emergency	**575-234-6235**
BLM – Engineering Emergency	**575-361-2822**
NMOCD District 1 – Hobbs Mainline	**575-393-6161**
NMOCD Emergency Line	**575-370-3186**
Wild Well Control	**281-784-4700**
H2S Emergency response:	
Air Ambulance New Mexico – Lea Co Reginal	**575-391-2934**
Lea County Sheriff's Department	**575-396-3611**
Fire Department:	
Carlsbad	**575-885-3125**
Artesia	**575-746-5050**
Lea County Regional Medical Center	**575-492-5000**
Jal Community Hospital	**505-395-2511**
Lea County Emergency Management	**575-396-8602**
Poison Control Center	**800-222-1222**

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Franklin Mountain Energy LLC**
LEASE NO.:	**NMNM117126**
LOCATION:	Section 36, T.25 S., R.35 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Bus Driver Fed Com 602H
SURFACE HOLE FOOTAGE:	312'/S & 2410'/W
BOTTOM HOLE FOOTAGE	1170'/N & 2160'/W

WELL NAME & NO.:	Bus Driver Fed Com 702H
SURFACE HOLE FOOTAGE:	312'/S & 2375'/W
BOTTOM HOLE FOOTAGE	1170'/N & 1700'/W

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
Other	☑ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☑ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☑ COM	☐ Unit

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 **1150 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 shall be set at approximately **5400 feet** is:

    - Cement to surface. If cement does not circulate see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

    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 **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:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the 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.**

    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. 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.
    e. 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 intergrity 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 intergrity 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

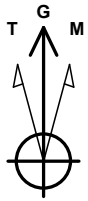
All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location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

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

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Bus Driver/Kasten Fed Com
Well: Bus Driver Fed Com 702H
Wellbore: OH
Design: Plan #2

3057.7' GE + 21' KB @ 3078.70usft



Azimuths to Grid North
True North: -0.54°
Magnetic North: 6.00°

Magnetic Field
Strength: 47604.7nT
Dip Angle: 59.93°
Date: 2/25/2020
Model: IGRF2015

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

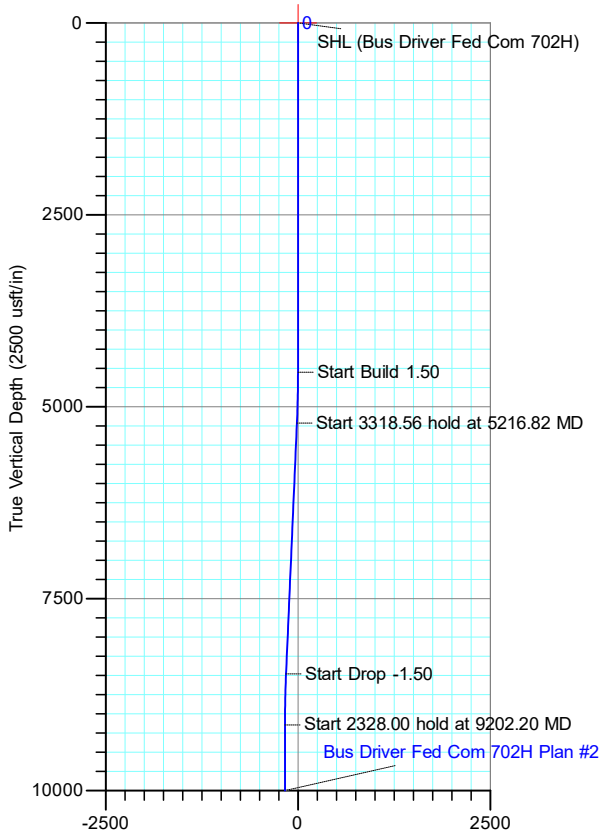
FRANKLIN MOUNTAIN ENERGY

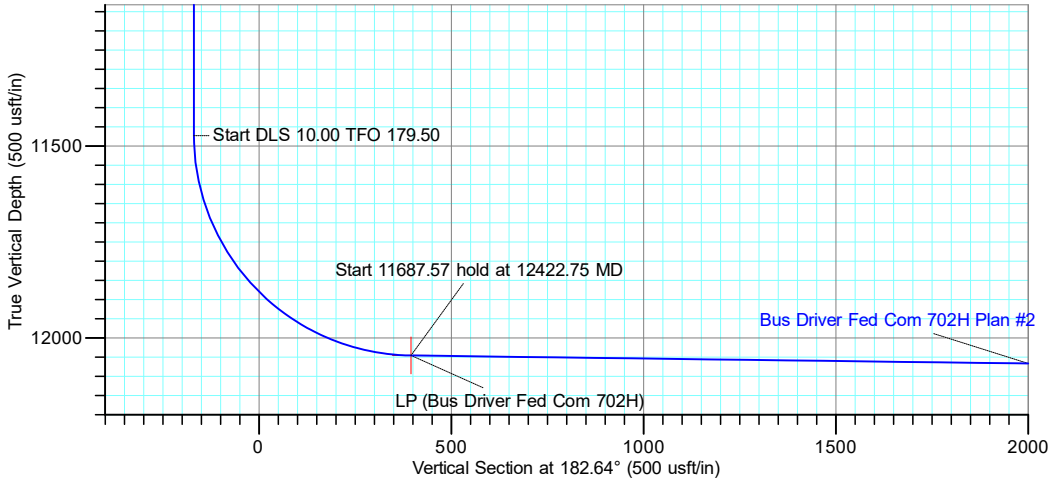
SECTION DETAILS

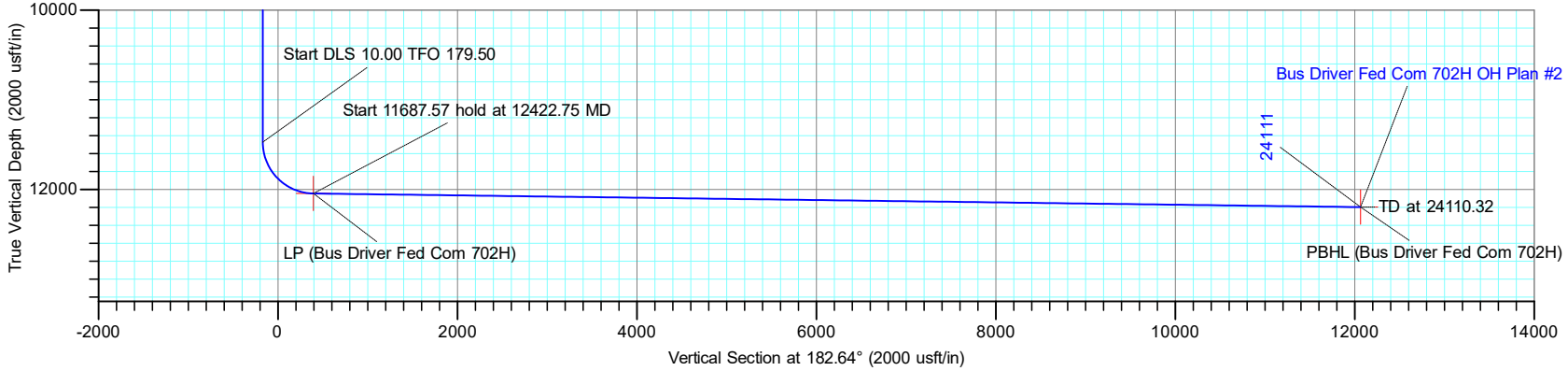
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4550.00	0.00	0.00	4550.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
5216.82	10.00	286.79	5213.44	16.77	-55.58	1.50	286.79	-14.19	Start 3318.56 hold at 5216.82 MD
8535.38	10.00	286.79	8481.56	183.23	-607.42	0.00	0.00	-155.06	Start Drop -1.50
9202.20	0.00	0.00	9145.00	200.00	-663.00	1.50	180.00	-169.25	Start 2328.00 hold at 9202.20 MD
11530.20	0.00	0.00	11473.00	200.00	-663.00	0.00	0.00	-169.25	Start DLS 10.00 TFO 179.50
12422.75	89.25	179.50	12045.91	-365.48	-658.05	10.00	179.50	395.41	Start 11687.57 hold at 12422.75 MD
24110.32	89.25	179.50	12197.93	-12051.62	-555.73	0.00	0.00	12064.43	TD at 24110.32

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
LP (Bus Driver Fed Com 702H)	12045.91	-365.48	-658.05	32.079443	-103.324257
PBHL (Bus Driver Fed Com 702H)	12197.93	-12051.62	-555.73	32.047320	-103.324279
SHL (Bus Driver Fed Com 702H)	0.00	0.00	0.00	32.080431	-103.322121







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

Plan: Plan #2 (Bus Driver Fed Com 702H/OH)
Bus Driver/Kasten Fed Com
Created By: Dustin Ault Date: 22:51, February 25 2020
Date: _____
Approved: _____ Date: _____

Franklin Mountain Energy

Project: Lea County, NM (NAD83)
Site: Bus Driver/Kasten Fed Com
Well: Bus Driver Fed Com 702H
Wellbore: OH
Design: Plan #2

Azimuths to Grid North
True North: -0.54°
Magnetic North: 6.00°

Magnetic Field
Strength: 47604.7nT
Dip Angle: 59.93°
Date: 2/25/2020
Model: IGRF2015

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

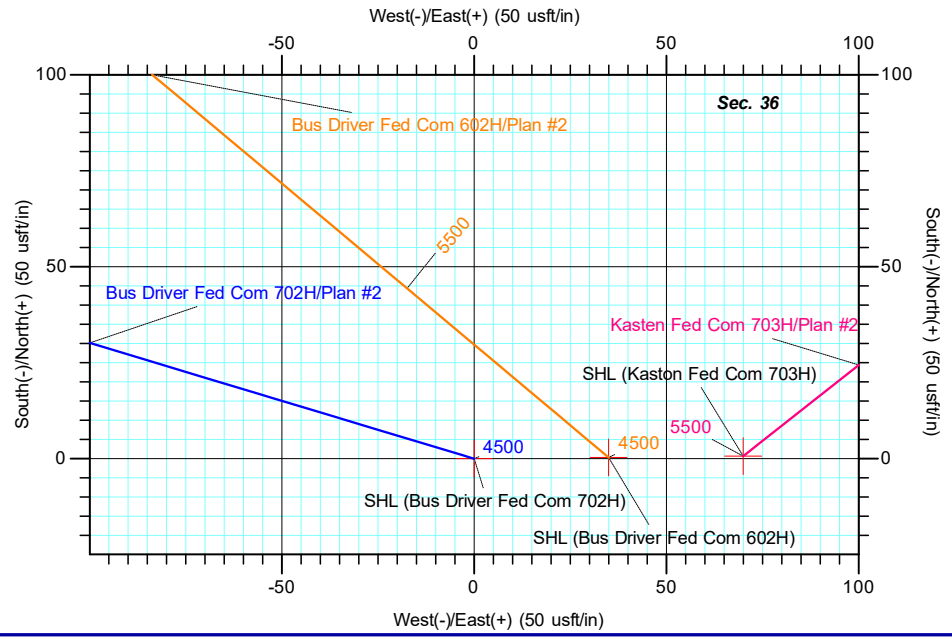
FRANKLIN MOUNTAIN ENERGY

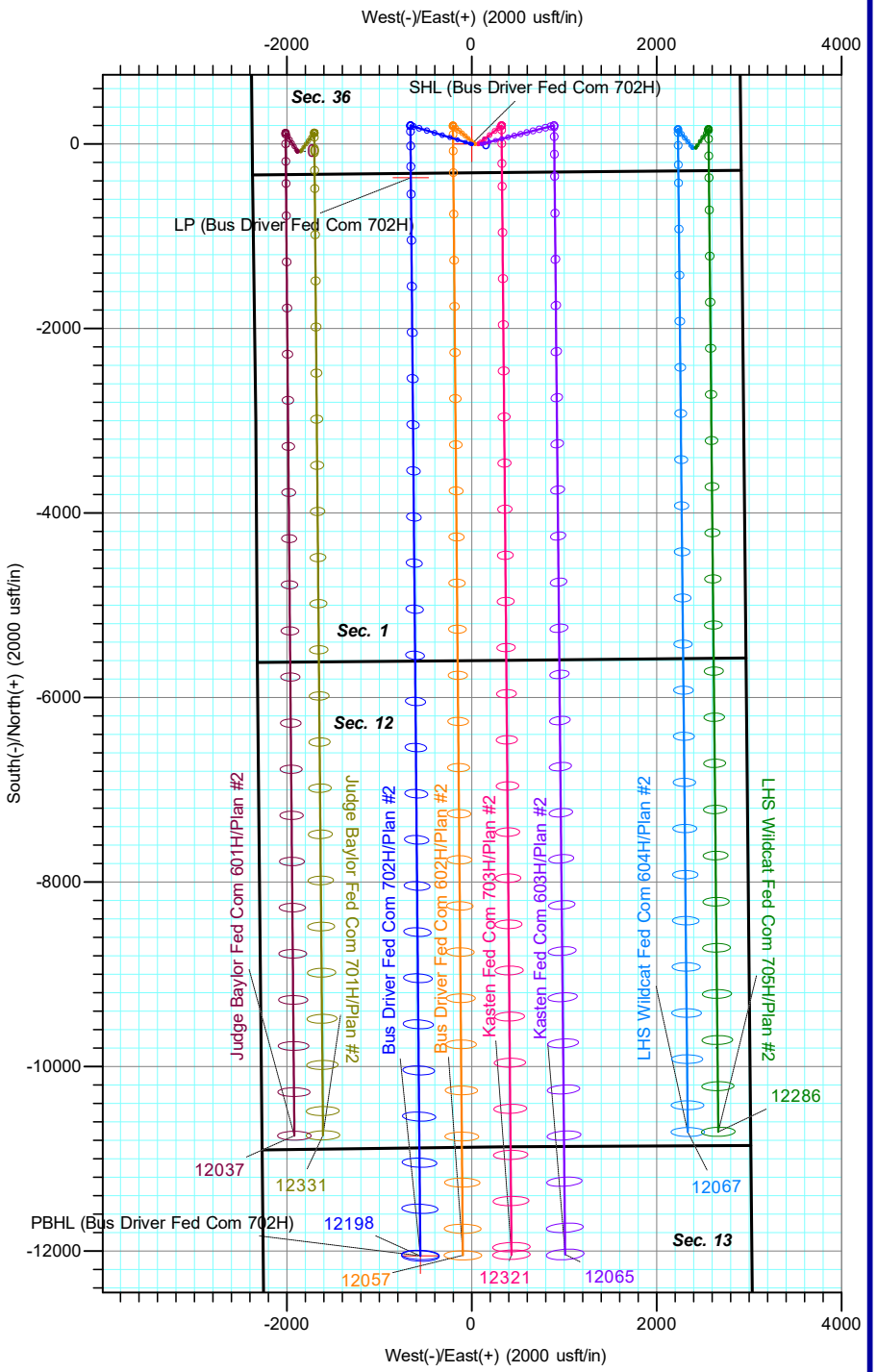
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LP (Bus Driver Fed Com 702H)	12045.91	-365.48	-658.05	394100.27	853876.35	32.079443	-103.324257
PBHL (Bus Driver Fed Com 702H)	12197.93	-12051.62	-555.73	382414.13	853978.67	32.047320	-103.324279
SHL (Bus Driver Fed Com 702H)	0.00	0.00	0.00	394465.75	854534.40	32.080431	-103.322121

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	
4550.00	0.00	0.00	4550.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
5216.82	10.00	286.79	5213.44	16.77	-55.58	1.50	286.79	-14.19	Start 3318.56 hold at 5216.82 MD
8535.38	10.00	286.79	8481.56	183.23	-607.42	0.00	0.00	-155.06	Start Drop -1.50
9202.20	0.00	0.00	9145.00	200.00	-663.00	1.50	180.00	-169.25	Start 2328.00 hold at 9202.20 MD
11530.20	0.00	0.00	11473.00	200.00	-663.00	0.00	0.00	-169.25	Start DLS 10.00 TFO 179.50
12422.75	89.25	179.50	12045.91	-365.48	-658.05	10.00	179.50	395.41	Start 11687.57 hold at 12422.75 MD
24110.32	89.25	179.50	12197.93	-12051.62	-555.73	0.00	0.00	12064.43	TD at 24110.32





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

Plan: Plan #2 (Bus Driver Fed Com 702H/OH)
Bus Driver/Kasten Fed Com
Created By: Dustin Ault Date: 22:52, February 25 2020
Date: _____
Approved: _____ Date: _____

Franklin Mountain Energy

Lea County, NM (NAD83)
Bus Driver/Kasten Fed Com
Bus Driver Fed Com 702H

OH

Plan: Plan #2

Standard Planning Report

25 February, 2020

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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 Bus Driver/Kasten Fed Com

Site Position:		**Northing:**	394,466.08 usft	**Latitude:**	32.080431
From:	Map	**Easting:**	854,569.39 usft	**Longitude:**	-103.322008
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.54 °

Well Bus Driver Fed Com 702H

Well Position	**+N/-S**	-0.33 usft	**Northing:**	394,465.75 usft	**Latitude:**	32.080431
	+E/-W	-34.99 usft	**Easting:**	854,534.40 usft	**Longitude:**	-103.322121
Position Uncertainty		0.00 usft	**Wellhead Elevation:**		**Ground Level:**	3,057.70 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/25/2020	6.53	59.93	47,604.65483712

Design Plan #2

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	182.64

Plan Survey Tool Program **Date** 2/25/2020

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	24,110.32	Plan #2 (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	
4,550.00	0.00	0.00	4,550.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,216.82	10.00	286.79	5,213.44	16.77	-55.58	1.50	1.50	0.00	286.79	
8,535.38	10.00	286.79	8,481.56	183.23	-607.42	0.00	0.00	0.00	0.00	
9,202.20	0.00	0.00	9,145.00	200.00	-663.00	1.50	-1.50	0.00	180.00	
11,530.20	0.00	0.00	11,473.00	200.00	-663.00	0.00	0.00	0.00	0.00	
12,422.75	89.25	179.50	12,045.91	-365.48	-658.05	10.00	10.00	20.11	179.50	
24,110.32	89.25	179.50	12,197.93	-12,051.62	-555.73	0.00	0.00	0.00	0.00	PBHL (Bus Driver Fec

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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 (Bus Driver Fed Com 702H)									
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
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,550.00	0.00	0.00	4,550.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.50									
4,600.00	0.75	286.79	4,600.00	0.09	-0.31	-0.08	1.50	1.50	0.00
4,700.00	2.25	286.79	4,699.96	0.85	-2.82	-0.72	1.50	1.50	0.00
4,800.00	3.75	286.79	4,799.82	2.36	-7.83	-2.00	1.50	1.50	0.00
4,900.00	5.25	286.79	4,899.51	4.63	-15.34	-3.92	1.50	1.50	0.00

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
5,000.00	6.75	286.79	4,998.96	7.65	-25.35	-6.47	1.50	1.50	0.00
5,100.00	8.25	286.79	5,098.10	11.42	-37.84	-9.66	1.50	1.50	0.00
5,200.00	9.75	286.79	5,196.87	15.93	-52.82	-13.48	1.50	1.50	0.00
5,216.82	10.00	286.79	5,213.44	16.77	-55.58	-14.19	1.50	1.50	0.00
Start 3318.56 hold at 5216.82 MD									
5,300.00	10.00	286.79	5,295.35	20.94	-69.41	-17.72	0.00	0.00	0.00
5,400.00	10.00	286.79	5,393.83	25.96	-86.04	-21.97	0.00	0.00	0.00
5,500.00	10.00	286.79	5,492.31	30.97	-102.67	-26.21	0.00	0.00	0.00
5,600.00	10.00	286.79	5,590.79	35.99	-119.30	-30.45	0.00	0.00	0.00
5,700.00	10.00	286.79	5,689.27	41.00	-135.93	-34.70	0.00	0.00	0.00
5,800.00	10.00	286.79	5,787.75	46.02	-152.56	-38.94	0.00	0.00	0.00
5,900.00	10.00	286.79	5,886.23	51.04	-169.19	-43.19	0.00	0.00	0.00
6,000.00	10.00	286.79	5,984.71	56.05	-185.82	-47.43	0.00	0.00	0.00
6,100.00	10.00	286.79	6,083.19	61.07	-202.44	-51.68	0.00	0.00	0.00
6,200.00	10.00	286.79	6,181.67	66.09	-219.07	-55.92	0.00	0.00	0.00
6,300.00	10.00	286.79	6,280.15	71.10	-235.70	-60.17	0.00	0.00	0.00
6,400.00	10.00	286.79	6,378.63	76.12	-252.33	-64.41	0.00	0.00	0.00
6,500.00	10.00	286.79	6,477.11	81.13	-268.96	-68.66	0.00	0.00	0.00
6,600.00	10.00	286.79	6,575.59	86.15	-285.59	-72.90	0.00	0.00	0.00
6,700.00	10.00	286.79	6,674.07	91.17	-302.22	-77.15	0.00	0.00	0.00
6,800.00	10.00	286.79	6,772.56	96.18	-318.85	-81.39	0.00	0.00	0.00
6,900.00	10.00	286.79	6,871.04	101.20	-335.47	-85.64	0.00	0.00	0.00
7,000.00	10.00	286.79	6,969.52	106.21	-352.10	-89.88	0.00	0.00	0.00
7,100.00	10.00	286.79	7,068.00	111.23	-368.73	-94.13	0.00	0.00	0.00
7,200.00	10.00	286.79	7,166.48	116.25	-385.36	-98.37	0.00	0.00	0.00
7,300.00	10.00	286.79	7,264.96	121.26	-401.99	-102.62	0.00	0.00	0.00
7,400.00	10.00	286.79	7,363.44	126.28	-418.62	-106.86	0.00	0.00	0.00
7,500.00	10.00	286.79	7,461.92	131.30	-435.25	-111.11	0.00	0.00	0.00
7,600.00	10.00	286.79	7,560.40	136.31	-451.87	-115.35	0.00	0.00	0.00
7,700.00	10.00	286.79	7,658.88	141.33	-468.50	-119.60	0.00	0.00	0.00
7,800.00	10.00	286.79	7,757.36	146.34	-485.13	-123.84	0.00	0.00	0.00
7,900.00	10.00	286.79	7,855.84	151.36	-501.76	-128.09	0.00	0.00	0.00
8,000.00	10.00	286.79	7,954.32	156.38	-518.39	-132.33	0.00	0.00	0.00
8,100.00	10.00	286.79	8,052.80	161.39	-535.02	-136.58	0.00	0.00	0.00
8,200.00	10.00	286.79	8,151.28	166.41	-551.65	-140.82	0.00	0.00	0.00
8,300.00	10.00	286.79	8,249.76	171.43	-568.28	-145.07	0.00	0.00	0.00
8,400.00	10.00	286.79	8,348.24	176.44	-584.90	-149.31	0.00	0.00	0.00
8,500.00	10.00	286.79	8,446.72	181.46	-601.53	-153.56	0.00	0.00	0.00
8,535.38	10.00	286.79	8,481.56	183.23	-607.42	-155.06	0.00	0.00	0.00
Start Drop -1.50									
8,600.00	9.03	286.79	8,545.29	186.32	-617.65	-157.67	1.50	-1.50	0.00
8,700.00	7.53	286.79	8,644.24	190.48	-631.44	-161.19	1.50	-1.50	0.00
8,800.00	6.03	286.79	8,743.54	193.89	-642.75	-164.08	1.50	-1.50	0.00
8,900.00	4.53	286.79	8,843.11	196.55	-651.56	-166.33	1.50	-1.50	0.00
9,000.00	3.03	286.79	8,942.89	198.45	-657.88	-167.94	1.50	-1.50	0.00
9,100.00	1.53	286.79	9,042.81	199.61	-661.69	-168.92	1.50	-1.50	0.00
9,202.20	0.00	0.00	9,145.00	200.00	-663.00	-169.25	1.50	-1.50	0.00
Start 2328.00 hold at 9202.20 MD									
9,300.00	0.00	0.00	9,242.80	200.00	-663.00	-169.25	0.00	0.00	0.00
9,400.00	0.00	0.00	9,342.80	200.00	-663.00	-169.25	0.00	0.00	0.00
9,500.00	0.00	0.00	9,442.80	200.00	-663.00	-169.25	0.00	0.00	0.00
9,600.00	0.00	0.00	9,542.80	200.00	-663.00	-169.25	0.00	0.00	0.00
9,700.00	0.00	0.00	9,642.80	200.00	-663.00	-169.25	0.00	0.00	0.00

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
9,800.00	0.00	0.00	9,742.80	200.00	-663.00	-169.25	0.00	0.00	0.00
9,900.00	0.00	0.00	9,842.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,000.00	0.00	0.00	9,942.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,100.00	0.00	0.00	10,042.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,200.00	0.00	0.00	10,142.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,300.00	0.00	0.00	10,242.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,400.00	0.00	0.00	10,342.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,500.00	0.00	0.00	10,442.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,600.00	0.00	0.00	10,542.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,700.00	0.00	0.00	10,642.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,800.00	0.00	0.00	10,742.80	200.00	-663.00	-169.25	0.00	0.00	0.00
10,900.00	0.00	0.00	10,842.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,000.00	0.00	0.00	10,942.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,100.00	0.00	0.00	11,042.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,200.00	0.00	0.00	11,142.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,300.00	0.00	0.00	11,242.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,400.00	0.00	0.00	11,342.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,500.00	0.00	0.00	11,442.80	200.00	-663.00	-169.25	0.00	0.00	0.00
11,530.20	0.00	0.00	11,473.00	200.00	-663.00	-169.25	0.00	0.00	0.00
Start DLS 10.00 TFO 179.50									
11,550.00	1.98	179.50	11,492.79	199.66	-663.00	-168.91	10.00	10.00	0.00
11,600.00	6.98	179.50	11,542.62	195.75	-662.96	-165.01	10.00	10.00	0.00
11,650.00	11.98	179.50	11,591.93	187.52	-662.89	-156.79	10.00	10.00	0.00
11,700.00	16.98	179.50	11,640.32	175.02	-662.78	-144.31	10.00	10.00	0.00
11,750.00	21.98	179.50	11,687.45	158.36	-662.64	-127.67	10.00	10.00	0.00
11,800.00	26.98	179.50	11,732.94	137.65	-662.45	-106.99	10.00	10.00	0.00
11,850.00	31.98	179.50	11,776.45	113.05	-662.24	-82.43	10.00	10.00	0.00
11,900.00	36.98	179.50	11,817.65	84.75	-661.99	-54.17	10.00	10.00	0.00
11,950.00	41.98	179.50	11,856.23	52.97	-661.71	-22.44	10.00	10.00	0.00
12,000.00	46.98	179.50	11,891.90	17.95	-661.41	12.53	10.00	10.00	0.00
12,050.00	51.98	179.50	11,924.37	-20.04	-661.07	50.47	10.00	10.00	0.00
12,100.00	56.98	179.50	11,953.41	-60.72	-660.72	91.09	10.00	10.00	0.00
12,150.00	61.98	179.50	11,978.80	-103.78	-660.34	134.08	10.00	10.00	0.00
12,200.00	66.98	179.50	12,000.33	-148.88	-659.95	179.12	10.00	10.00	0.00
12,250.00	71.98	179.50	12,017.85	-195.70	-659.54	225.87	10.00	10.00	0.00
12,300.00	76.98	179.50	12,031.23	-243.85	-659.11	273.95	10.00	10.00	0.00
12,350.00	81.98	179.50	12,040.35	-293.00	-658.68	323.02	10.00	10.00	0.00
12,400.00	86.98	179.50	12,045.16	-342.75	-658.25	372.70	10.00	10.00	0.00
12,422.75	89.25	179.50	12,045.91	-365.48	-658.05	395.40	10.00	10.00	0.00
Start 11687.57 hold at 12422.75 MD - LP (Bus Driver Fed Com 702H)									
12,500.00	89.25	179.50	12,046.91	-442.72	-657.37	472.53	0.00	0.00	0.00
12,600.00	89.25	179.50	12,048.22	-542.71	-656.50	572.37	0.00	0.00	0.00
12,700.00	89.25	179.50	12,049.52	-642.70	-655.62	672.21	0.00	0.00	0.00
12,800.00	89.25	179.50	12,050.82	-742.69	-654.75	772.06	0.00	0.00	0.00
12,900.00	89.25	179.50	12,052.12	-842.67	-653.87	871.90	0.00	0.00	0.00
13,000.00	89.25	179.50	12,053.42	-942.66	-653.00	971.74	0.00	0.00	0.00
13,100.00	89.25	179.50	12,054.72	-1,042.65	-652.12	1,071.58	0.00	0.00	0.00
13,200.00	89.25	179.50	12,056.02	-1,142.64	-651.24	1,171.42	0.00	0.00	0.00
13,300.00	89.25	179.50	12,057.32	-1,242.62	-650.37	1,271.26	0.00	0.00	0.00
13,400.00	89.25	179.50	12,058.62	-1,342.61	-649.49	1,371.10	0.00	0.00	0.00
13,500.00	89.25	179.50	12,059.92	-1,442.60	-648.62	1,470.94	0.00	0.00	0.00
13,600.00	89.25	179.50	12,061.22	-1,542.59	-647.74	1,570.79	0.00	0.00	0.00
13,700.00	89.25	179.50	12,062.52	-1,642.58	-646.87	1,670.63	0.00	0.00	0.00
13,800.00	89.25	179.50	12,063.82	-1,742.56	-645.99	1,770.47	0.00	0.00	0.00

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
13,900.00	89.25	179.50	12,065.12	-1,842.55	-645.12	1,870.31	0.00	0.00	0.00
14,000.00	89.25	179.50	12,066.42	-1,942.54	-644.24	1,970.15	0.00	0.00	0.00
14,100.00	89.25	179.50	12,067.73	-2,042.53	-643.37	2,069.99	0.00	0.00	0.00
14,200.00	89.25	179.50	12,069.03	-2,142.51	-642.49	2,169.83	0.00	0.00	0.00
14,300.00	89.25	179.50	12,070.33	-2,242.50	-641.61	2,269.67	0.00	0.00	0.00
14,400.00	89.25	179.50	12,071.63	-2,342.49	-640.74	2,369.52	0.00	0.00	0.00
14,500.00	89.25	179.50	12,072.93	-2,442.48	-639.86	2,469.36	0.00	0.00	0.00
14,600.00	89.25	179.50	12,074.23	-2,542.47	-638.99	2,569.20	0.00	0.00	0.00
14,700.00	89.25	179.50	12,075.53	-2,642.45	-638.11	2,669.04	0.00	0.00	0.00
14,800.00	89.25	179.50	12,076.83	-2,742.44	-637.24	2,768.88	0.00	0.00	0.00
14,900.00	89.25	179.50	12,078.13	-2,842.43	-636.36	2,868.72	0.00	0.00	0.00
15,000.00	89.25	179.50	12,079.43	-2,942.42	-635.49	2,968.56	0.00	0.00	0.00
15,100.00	89.25	179.50	12,080.73	-3,042.40	-634.61	3,068.40	0.00	0.00	0.00
15,200.00	89.25	179.50	12,082.03	-3,142.39	-633.74	3,168.25	0.00	0.00	0.00
15,300.00	89.25	179.50	12,083.33	-3,242.38	-632.86	3,268.09	0.00	0.00	0.00
15,400.00	89.25	179.50	12,084.63	-3,342.37	-631.98	3,367.93	0.00	0.00	0.00
15,500.00	89.25	179.50	12,085.94	-3,442.35	-631.11	3,467.77	0.00	0.00	0.00
15,600.00	89.25	179.50	12,087.24	-3,542.34	-630.23	3,567.61	0.00	0.00	0.00
15,700.00	89.25	179.50	12,088.54	-3,642.33	-629.36	3,667.45	0.00	0.00	0.00
15,800.00	89.25	179.50	12,089.84	-3,742.32	-628.48	3,767.29	0.00	0.00	0.00
15,900.00	89.25	179.50	12,091.14	-3,842.31	-627.61	3,867.14	0.00	0.00	0.00
16,000.00	89.25	179.50	12,092.44	-3,942.29	-626.73	3,966.98	0.00	0.00	0.00
16,100.00	89.25	179.50	12,093.74	-4,042.28	-625.86	4,066.82	0.00	0.00	0.00
16,200.00	89.25	179.50	12,095.04	-4,142.27	-624.98	4,166.66	0.00	0.00	0.00
16,300.00	89.25	179.50	12,096.34	-4,242.26	-624.11	4,266.50	0.00	0.00	0.00
16,400.00	89.25	179.50	12,097.64	-4,342.24	-623.23	4,366.34	0.00	0.00	0.00
16,500.00	89.25	179.50	12,098.94	-4,442.23	-622.35	4,466.18	0.00	0.00	0.00
16,600.00	89.25	179.50	12,100.24	-4,542.22	-621.48	4,566.02	0.00	0.00	0.00
16,700.00	89.25	179.50	12,101.54	-4,642.21	-620.60	4,665.87	0.00	0.00	0.00
16,800.00	89.25	179.50	12,102.84	-4,742.19	-619.73	4,765.71	0.00	0.00	0.00
16,900.00	89.25	179.50	12,104.15	-4,842.18	-618.85	4,865.55	0.00	0.00	0.00
17,000.00	89.25	179.50	12,105.45	-4,942.17	-617.98	4,965.39	0.00	0.00	0.00
17,100.00	89.25	179.50	12,106.75	-5,042.16	-617.10	5,065.23	0.00	0.00	0.00
17,200.00	89.25	179.50	12,108.05	-5,142.15	-616.23	5,165.07	0.00	0.00	0.00
17,300.00	89.25	179.50	12,109.35	-5,242.13	-615.35	5,264.91	0.00	0.00	0.00
17,400.00	89.25	179.50	12,110.65	-5,342.12	-614.48	5,364.75	0.00	0.00	0.00
17,500.00	89.25	179.50	12,111.95	-5,442.11	-613.60	5,464.60	0.00	0.00	0.00
17,600.00	89.25	179.50	12,113.25	-5,542.10	-612.72	5,564.44	0.00	0.00	0.00
17,700.00	89.25	179.50	12,114.55	-5,642.08	-611.85	5,664.28	0.00	0.00	0.00
17,800.00	89.25	179.50	12,115.85	-5,742.07	-610.97	5,764.12	0.00	0.00	0.00
17,900.00	89.25	179.50	12,117.15	-5,842.06	-610.10	5,863.96	0.00	0.00	0.00
18,000.00	89.25	179.50	12,118.45	-5,942.05	-609.22	5,963.80	0.00	0.00	0.00
18,100.00	89.25	179.50	12,119.75	-6,042.04	-608.35	6,063.64	0.00	0.00	0.00
18,200.00	89.25	179.50	12,121.05	-6,142.02	-607.47	6,163.48	0.00	0.00	0.00
18,300.00	89.25	179.50	12,122.36	-6,242.01	-606.60	6,263.33	0.00	0.00	0.00
18,400.00	89.25	179.50	12,123.66	-6,342.00	-605.72	6,363.17	0.00	0.00	0.00
18,500.00	89.25	179.50	12,124.96	-6,441.99	-604.85	6,463.01	0.00	0.00	0.00
18,600.00	89.25	179.50	12,126.26	-6,541.97	-603.97	6,562.85	0.00	0.00	0.00
18,700.00	89.25	179.50	12,127.56	-6,641.96	-603.09	6,662.69	0.00	0.00	0.00
18,800.00	89.25	179.50	12,128.86	-6,741.95	-602.22	6,762.53	0.00	0.00	0.00
18,900.00	89.25	179.50	12,130.16	-6,841.94	-601.34	6,862.37	0.00	0.00	0.00
19,000.00	89.25	179.50	12,131.46	-6,941.92	-600.47	6,962.21	0.00	0.00	0.00
19,100.00	89.25	179.50	12,132.76	-7,041.91	-599.59	7,062.06	0.00	0.00	0.00
19,200.00	89.25	179.50	12,134.06	-7,141.90	-598.72	7,161.90	0.00	0.00	0.00

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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)
19,300.00	89.25	179.50	12,135.36	-7,241.89	-597.84	7,261.74	0.00	0.00	0.00
19,400.00	89.25	179.50	12,136.66	-7,341.88	-596.97	7,361.58	0.00	0.00	0.00
19,500.00	89.25	179.50	12,137.96	-7,441.86	-596.09	7,461.42	0.00	0.00	0.00
19,600.00	89.25	179.50	12,139.26	-7,541.85	-595.22	7,561.26	0.00	0.00	0.00
19,700.00	89.25	179.50	12,140.57	-7,641.84	-594.34	7,661.10	0.00	0.00	0.00
19,800.00	89.25	179.50	12,141.87	-7,741.83	-593.46	7,760.94	0.00	0.00	0.00
19,900.00	89.25	179.50	12,143.17	-7,841.81	-592.59	7,860.79	0.00	0.00	0.00
20,000.00	89.25	179.50	12,144.47	-7,941.80	-591.71	7,960.63	0.00	0.00	0.00
20,100.00	89.25	179.50	12,145.77	-8,041.79	-590.84	8,060.47	0.00	0.00	0.00
20,200.00	89.25	179.50	12,147.07	-8,141.78	-589.96	8,160.31	0.00	0.00	0.00
20,300.00	89.25	179.50	12,148.37	-8,241.76	-589.09	8,260.15	0.00	0.00	0.00
20,400.00	89.25	179.50	12,149.67	-8,341.75	-588.21	8,359.99	0.00	0.00	0.00
20,500.00	89.25	179.50	12,150.97	-8,441.74	-587.34	8,459.83	0.00	0.00	0.00
20,600.00	89.25	179.50	12,152.27	-8,541.73	-586.46	8,559.67	0.00	0.00	0.00
20,700.00	89.25	179.50	12,153.57	-8,641.72	-585.59	8,659.52	0.00	0.00	0.00
20,800.00	89.25	179.50	12,154.87	-8,741.70	-584.71	8,759.36	0.00	0.00	0.00
20,900.00	89.25	179.50	12,156.17	-8,841.69	-583.83	8,859.20	0.00	0.00	0.00
21,000.00	89.25	179.50	12,157.47	-8,941.68	-582.96	8,959.04	0.00	0.00	0.00
21,100.00	89.25	179.50	12,158.77	-9,041.67	-582.08	9,058.88	0.00	0.00	0.00
21,200.00	89.25	179.50	12,160.08	-9,141.65	-581.21	9,158.72	0.00	0.00	0.00
21,300.00	89.25	179.50	12,161.38	-9,241.64	-580.33	9,258.56	0.00	0.00	0.00
21,400.00	89.25	179.50	12,162.68	-9,341.63	-579.46	9,358.40	0.00	0.00	0.00
21,500.00	89.25	179.50	12,163.98	-9,441.62	-578.58	9,458.25	0.00	0.00	0.00
21,600.00	89.25	179.50	12,165.28	-9,541.60	-577.71	9,558.09	0.00	0.00	0.00
21,700.00	89.25	179.50	12,166.58	-9,641.59	-576.83	9,657.93	0.00	0.00	0.00
21,800.00	89.25	179.50	12,167.88	-9,741.58	-575.96	9,757.77	0.00	0.00	0.00
21,900.00	89.25	179.50	12,169.18	-9,841.57	-575.08	9,857.61	0.00	0.00	0.00
22,000.00	89.25	179.50	12,170.48	-9,941.56	-574.20	9,957.45	0.00	0.00	0.00
22,100.00	89.25	179.50	12,171.78	-10,041.54	-573.33	10,057.29	0.00	0.00	0.00
22,200.00	89.25	179.50	12,173.08	-10,141.53	-572.45	10,157.13	0.00	0.00	0.00
22,300.00	89.25	179.50	12,174.38	-10,241.52	-571.58	10,256.98	0.00	0.00	0.00
22,400.00	89.25	179.50	12,175.68	-10,341.51	-570.70	10,356.82	0.00	0.00	0.00
22,500.00	89.25	179.50	12,176.98	-10,441.49	-569.83	10,456.66	0.00	0.00	0.00
22,600.00	89.25	179.50	12,178.29	-10,541.48	-568.95	10,556.50	0.00	0.00	0.00
22,700.00	89.25	179.50	12,179.59	-10,641.47	-568.08	10,656.34	0.00	0.00	0.00
22,800.00	89.25	179.50	12,180.89	-10,741.46	-567.20	10,756.18	0.00	0.00	0.00
22,900.00	89.25	179.50	12,182.19	-10,841.45	-566.33	10,856.02	0.00	0.00	0.00
23,000.00	89.25	179.50	12,183.49	-10,941.43	-565.45	10,955.87	0.00	0.00	0.00
23,100.00	89.25	179.50	12,184.79	-11,041.42	-564.57	11,055.71	0.00	0.00	0.00
23,200.00	89.25	179.50	12,186.09	-11,141.41	-563.70	11,155.55	0.00	0.00	0.00
23,300.00	89.25	179.50	12,187.39	-11,241.40	-562.82	11,255.39	0.00	0.00	0.00
23,400.00	89.25	179.50	12,188.69	-11,341.38	-561.95	11,355.23	0.00	0.00	0.00
23,500.00	89.25	179.50	12,189.99	-11,441.37	-561.07	11,455.07	0.00	0.00	0.00
23,600.00	89.25	179.50	12,191.29	-11,541.36	-560.20	11,554.91	0.00	0.00	0.00
23,700.00	89.25	179.50	12,192.59	-11,641.35	-559.32	11,654.75	0.00	0.00	0.00
23,800.00	89.25	179.50	12,193.89	-11,741.33	-558.45	11,754.60	0.00	0.00	0.00
23,900.00	89.25	179.50	12,195.19	-11,841.32	-557.57	11,854.44	0.00	0.00	0.00
24,000.00	89.25	179.50	12,196.50	-11,941.31	-556.70	11,954.28	0.00	0.00	0.00
24,100.00	89.25	179.50	12,197.80	-12,041.30	-555.82	12,054.12	0.00	0.00	0.00
24,110.32	89.25	179.50	12,197.93	-12,051.62	-555.73	12,064.43	0.00	0.00	0.00

TD at 24110.32 - PBHL (Bus Driver Fed Com 702H)

Database:	EDM 5000.15 Single User Db	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Company:	Franklin Mountain Energy	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Project:	Lea County, NM (NAD83)	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site:	Bus Driver/Kasten Fed Com	**North Reference:**	Grid
Well:	Bus Driver Fed Com 702H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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 (Bus Driver Fed Co - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	394,465.75	854,534.40	32.080431	-103.322121
LP (Bus Driver Fed Com - plan hits target center - Point	0.00	0.00	12,045.91	-365.48	-658.05	394,100.27	853,876.35	32.079443	-103.324257
PBHL (Bus Driver Fed C - plan hits target center - Point	0.00	0.00	12,197.93	-12,051.62	-555.73	382,414.13	853,978.67	32.047320	-103.324279

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
4,550.00	4,550.00	0.00	0.00	Start Build 1.50
5,216.82	5,213.44	16.77	-55.58	Start 3318.56 hold at 5216.82 MD
8,535.38	8,481.56	183.23	-607.42	Start Drop -1.50
9,202.20	9,145.00	200.00	-663.00	Start 2328.00 hold at 9202.20 MD
11,530.20	11,473.00	200.00	-663.00	Start DLS 10.00 TFO 179.50
12,422.75	12,045.91	-365.48	-658.05	Start 11687.57 hold at 12422.75 MD
24,110.32	12,197.93	-12,051.62	-555.73	TD at 24110.32

Franklin Mountain Energy

Lea County, NM (NAD83)
Bus Driver/Kasten Fed Com
Bus Driver Fed Com 702H

OH
Plan #2

Anticollision Report

25 February, 2020

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Reference Plan #2

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

Survey Tool Program **Date** 2/25/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	24,110.32	Plan #2 (OH)	OWSG (Rev2) MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Bus Driver/Kasten Fed Com						
Bus Driver Fed Com 602H - OH - Plan #2	4,550.00	4,549.80	34.99	12.23	1.537	CC
Bus Driver Fed Com 602H - OH - Plan #2	4,600.00	4,600.15	35.06	12.05	1.524	ES
Bus Driver Fed Com 602H - OH - Plan #2	4,700.00	4,700.84	35.57	12.09	1.515	SF
Kasten Fed Com 603H - OH - Plan #2	4,500.00	4,498.40	104.98	82.48	4.666	CC, ES
Kasten Fed Com 603H - OH - Plan #2	4,550.00	4,547.14	105.27	82.53	4.628	SF
Kasten Fed Com 703H - OH - Plan #2	4,550.00	4,548.80	69.98	47.23	3.075	CC, ES
Kasten Fed Com 703H - OH - Plan #2	4,600.00	4,598.80	70.30	47.29	3.055	SF
Judge Baylor Fed Com						
Judge Baylor Fed Com 601H - OH - Plan #2	11,400.00	11,365.03	1,353.13	1,295.90	23.644	CC
Judge Baylor Fed Com 601H - OH - Plan #2	22,800.00	22,572.67	1,358.81	1,102.01	5.291	ES
Judge Baylor Fed Com 601H - OH - Plan #2	22,900.00	22,572.67	1,362.93	1,105.22	5.289	SF
Judge Baylor Fed Com 701H - OH - Plan #2	11,843.70	11,794.50	1,040.45	981.28	17.582	CC
Judge Baylor Fed Com 701H - OH - Plan #2	22,800.00	22,863.52	1,052.08	796.83	4.122	ES, SF
LHS Wildcat Fed Com						
LHS Wildcat Fed Com 604H - OH - Plan #2	4,550.00	4,523.80	2,389.21	2,366.52	105.282	CC, ES
LHS Wildcat Fed Com 604H - OH - Plan #2	22,900.00	22,490.07	2,909.01	2,650.74	11.264	SF
LHS Wildcat Fed Com 705H - OH - Plan #2	4,502.70	4,476.90	2,424.20	2,401.74	107.960	CC
LHS Wildcat Fed Com 705H - OH - Plan #2	4,550.00	4,517.92	2,424.23	2,401.55	106.897	ES
LHS Wildcat Fed Com 705H - OH - Plan #2	23,000.00	22,695.11	3,242.89	2,983.54	12.504	SF

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Survey Program: 0-OWSG (Rev2) MWD

Offset Site Error: 0.00 usft

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.46	0.33	34.99	34.99				
100.00	100.00	99.80	99.80	0.14	0.14	89.46	0.33	34.99	34.99	34.79	0.20	174.916	
200.00	200.00	199.80	199.80	0.50	0.50	89.46	0.33	34.99	34.99	34.28	0.71	49.514	
300.00	300.00	299.80	299.80	0.86	0.86	89.46	0.33	34.99	34.99	33.78	1.21	28.832	
400.00	400.00	399.80	399.80	1.22	1.22	89.46	0.33	34.99	34.99	33.27	1.72	20.337	
500.00	500.00	499.80	499.80	1.58	1.57	89.46	0.33	34.99	34.99	32.76	2.23	15.708	
600.00	600.00	599.80	599.80	1.93	1.93	89.46	0.33	34.99	34.99	32.26	2.73	12.796	
700.00	700.00	699.80	699.80	2.29	2.29	89.46	0.33	34.99	34.99	31.75	3.24	10.795	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
800.00	800.00	799.80	799.80	2.65	2.65	89.46	0.33	34.99	34.99	31.24	3.75	9.335	
900.00	900.00	899.80	899.80	3.01	3.01	89.46	0.33	34.99	34.99	30.74	4.26	8.223	
1,000.00	1,000.00	999.80	999.80	3.37	3.37	89.46	0.33	34.99	34.99	30.23	4.76	7.348	
1,100.00	1,100.00	1,099.80	1,099.80	3.73	3.73	89.46	0.33	34.99	34.99	29.72	5.27	6.641	
1,200.00	1,200.00	1,199.80	1,199.80	4.08	4.08	89.46	0.33	34.99	34.99	29.22	5.78	6.058	
1,300.00	1,300.00	1,299.80	1,299.80	4.44	4.44	89.46	0.33	34.99	34.99	28.71	6.28	5.569	
1,400.00	1,400.00	1,399.80	1,399.80	4.80	4.80	89.46	0.33	34.99	34.99	28.20	6.79	5.153	
1,500.00	1,500.00	1,499.80	1,499.80	5.16	5.16	89.46	0.33	34.99	34.99	27.69	7.30	4.795	
1,600.00	1,600.00	1,599.80	1,599.80	5.52	5.52	89.46	0.33	34.99	34.99	27.19	7.80	4.484	
1,700.00	1,700.00	1,699.80	1,699.80	5.88	5.88	89.46	0.33	34.99	34.99	26.68	8.31	4.210	
1,800.00	1,800.00	1,799.80	1,799.80	6.24	6.23	89.46	0.33	34.99	34.99	26.17	8.82	3.968	
1,900.00	1,900.00	1,899.80	1,899.80	6.59	6.59	89.46	0.33	34.99	34.99	25.67	9.32	3.752	
2,000.00	2,000.00	1,999.80	1,999.80	6.95	6.95	89.46	0.33	34.99	34.99	25.16	9.83	3.559	
2,100.00	2,100.00	2,099.80	2,099.80	7.31	7.31	89.46	0.33	34.99	34.99	24.65	10.34	3.384	
2,200.00	2,200.00	2,199.80	2,199.80	7.67	7.67	89.46	0.33	34.99	34.99	24.15	10.85	3.226	
2,300.00	2,300.00	2,299.80	2,299.80	8.03	8.03	89.46	0.33	34.99	34.99	23.64	11.35	3.082	
2,400.00	2,400.00	2,399.80	2,399.80	8.39	8.39	89.46	0.33	34.99	34.99	23.13	11.86	2.950	
2,500.00	2,500.00	2,499.80	2,499.80	8.74	8.74	89.46	0.33	34.99	34.99	22.62	12.37	2.830	
2,600.00	2,600.00	2,599.80	2,599.80	9.10	9.10	89.46	0.33	34.99	34.99	22.12	12.87	2.718	
2,700.00	2,700.00	2,699.80	2,699.80	9.46	9.46	89.46	0.33	34.99	34.99	21.61	13.38	2.615	
2,800.00	2,800.00	2,799.80	2,799.80	9.82	9.82	89.46	0.33	34.99	34.99	21.10	13.89	2.520	
2,900.00	2,900.00	2,899.80	2,899.80	10.18	10.18	89.46	0.33	34.99	34.99	20.60	14.39	2.431	
3,000.00	3,000.00	2,999.80	2,999.80	10.54	10.54	89.46	0.33	34.99	34.99	20.09	14.90	2.348	
3,100.00	3,100.00	3,099.80	3,099.80	10.90	10.90	89.46	0.33	34.99	34.99	19.58	15.41	2.271	
3,200.00	3,200.00	3,199.80	3,199.80	11.25	11.25	89.46	0.33	34.99	34.99	19.08	15.92	2.199	
3,300.00	3,300.00	3,299.80	3,299.80	11.61	11.61	89.46	0.33	34.99	34.99	18.57	16.42	2.131	
3,400.00	3,400.00	3,399.80	3,399.80	11.97	11.97	89.46	0.33	34.99	34.99	18.06	16.93	2.067	
3,500.00	3,500.00	3,499.80	3,499.80	12.33	12.33	89.46	0.33	34.99	34.99	17.56	17.44	2.007	
3,600.00	3,600.00	3,599.80	3,599.80	12.69	12.69	89.46	0.33	34.99	34.99	17.05	17.94	1.950	
3,700.00	3,700.00	3,699.80	3,699.80	13.05	13.05	89.46	0.33	34.99	34.99	16.54	18.45	1.897	
3,800.00	3,800.00	3,799.80	3,799.80	13.41	13.40	89.46	0.33	34.99	34.99	16.03	18.96	1.846	
3,900.00	3,900.00	3,899.80	3,899.80	13.76	13.76	89.46	0.33	34.99	34.99	15.53	19.46	1.798	
4,000.00	4,000.00	3,999.80	3,999.80	14.12	14.12	89.46	0.33	34.99	34.99	15.02	19.97	1.752	
4,100.00	4,100.00	4,099.80	4,099.80	14.48	14.48	89.46	0.33	34.99	34.99	14.51	20.48	1.709	
4,200.00	4,200.00	4,199.80	4,199.80	14.84	14.84	89.46	0.33	34.99	34.99	14.01	20.98	1.667	
4,300.00	4,300.00	4,299.80	4,299.80	15.20	15.20	89.46	0.33	34.99	34.99	13.50	21.49	1.628	
4,400.00	4,400.00	4,399.80	4,399.80	15.56	15.56	89.46	0.33	34.99	34.99	12.99	22.00	1.591	
4,500.00	4,500.00	4,499.80	4,499.80	15.91	15.91	89.46	0.33	34.99	34.99	12.49	22.51	1.555	
4,550.00	4,550.00	4,549.80	4,549.80	16.09	16.09	89.46	0.33	34.99	34.99	12.23	22.76	1.537	CC
4,600.00	4,600.00	4,600.15	4,600.15	16.27	16.27	162.48	0.54	34.74	35.06	12.05	23.01	1.524	ES
4,700.00	4,699.96	4,700.84	4,700.80	16.62	16.63	160.97	2.25	32.71	35.57	12.09	23.49	1.515	SF
4,800.00	4,799.82	4,801.51	4,801.32	16.96	16.98	158.08	5.65	28.65	36.67	12.72	23.95	1.531	
4,900.00	4,899.51	4,902.00	4,901.51	17.31	17.34	154.12	10.73	22.62	38.51	14.08	24.43	1.577	
5,000.00	4,998.96	5,001.91	5,001.04	17.66	17.69	151.36	16.32	15.96	42.27	17.34	24.93	1.695	
5,100.00	5,098.10	5,101.72	5,100.47	18.02	18.05	150.62	21.91	9.30	48.37	22.94	25.43	1.902	
5,200.00	5,196.87	5,201.36	5,199.73	18.38	18.40	151.34	27.50	2.66	56.76	30.83	25.93	2.189	
5,216.82	5,213.44	5,218.10	5,216.41	18.44	18.46	151.56	28.43	1.55	58.39	32.38	26.02	2.245	
5,300.00	5,295.35	5,300.86	5,298.85	18.74	18.76	152.61	33.07	-3.97	66.66	40.23	26.43	2.522	
5,400.00	5,393.83	5,400.36	5,397.97	19.11	19.12	153.57	38.64	-10.60	76.62	49.70	26.92	2.846	
5,500.00	5,492.31	5,499.85	5,497.09	19.48	19.48	154.31	44.22	-17.24	86.60	59.18	27.42	3.158	
5,600.00	5,590.79	5,599.35	5,596.20	19.85	19.83	154.90	49.79	-23.87	96.59	68.67	27.92	3.459	
5,700.00	5,689.27	5,698.84	5,695.32	20.23	20.19	155.37	55.36	-30.50	106.59	78.16	28.42	3.750	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,800.00	5,787.75	5,798.34	5,794.44	20.61	20.55	155.77	60.94	-37.13	116.59	87.67	28.92	4.031	
5,900.00	5,886.23	5,897.83	5,893.56	20.99	20.92	156.10	66.51	-43.76	126.60	97.17	29.43	4.302	
6,000.00	5,984.71	5,997.33	5,992.67	21.38	21.28	156.38	72.08	-50.40	136.61	106.68	29.93	4.564	
6,100.00	6,083.19	6,096.82	6,091.79	21.77	21.64	156.63	77.66	-57.03	146.62	116.19	30.43	4.818	
6,200.00	6,181.67	6,196.32	6,190.91	22.16	22.00	156.84	83.23	-63.66	156.64	125.70	30.94	5.063	
6,300.00	6,280.15	6,295.81	6,290.03	22.55	22.37	157.03	88.80	-70.29	166.66	135.21	31.45	5.300	
6,400.00	6,378.63	6,395.31	6,389.15	22.95	22.73	157.19	94.38	-76.93	176.68	144.72	31.95	5.529	
6,500.00	6,477.11	6,494.81	6,488.26	23.34	23.10	157.34	99.95	-83.56	186.70	154.24	32.46	5.751	
6,600.00	6,575.59	6,594.30	6,587.38	23.75	23.46	157.48	105.52	-90.19	196.72	163.75	32.97	5.967	
6,700.00	6,674.07	6,693.80	6,686.50	24.15	23.83	157.60	111.10	-96.82	206.74	173.26	33.48	6.175	
6,800.00	6,772.56	6,793.29	6,785.62	24.55	24.19	157.71	116.67	-103.46	216.77	182.78	33.99	6.377	
6,900.00	6,871.04	6,892.79	6,884.73	24.96	24.56	157.80	122.24	-110.09	226.79	192.29	34.50	6.573	
7,000.00	6,969.52	6,992.28	6,983.85	25.36	24.93	157.90	127.82	-116.72	236.82	201.80	35.01	6.764	
7,100.00	7,068.00	7,091.78	7,082.97	25.77	25.30	157.98	133.39	-123.35	246.84	211.32	35.53	6.948	
7,200.00	7,166.48	7,191.27	7,182.09	26.18	25.66	158.06	138.97	-129.99	256.87	220.83	36.04	7.128	
7,300.00	7,264.96	7,290.77	7,281.20	26.59	26.03	158.13	144.54	-136.62	266.90	230.34	36.55	7.302	
7,400.00	7,363.44	7,390.27	7,380.32	27.01	26.40	158.20	150.11	-143.25	276.92	239.86	37.07	7.471	
7,500.00	7,461.92	7,489.76	7,479.44	27.42	26.77	158.26	155.69	-149.88	286.95	249.37	37.58	7.635	
7,600.00	7,560.40	7,589.26	7,578.56	27.84	27.14	158.31	161.26	-156.52	296.98	258.88	38.10	7.795	
7,700.00	7,658.88	7,688.75	7,677.67	28.25	27.51	158.37	166.83	-163.15	307.01	268.39	38.61	7.951	
7,800.00	7,757.36	7,788.25	7,776.79	28.67	27.88	158.42	172.41	-169.78	317.04	277.91	39.13	8.102	
7,900.00	7,855.84	7,887.74	7,875.91	29.09	28.25	158.47	177.98	-176.41	327.06	287.42	39.65	8.249	
8,000.00	7,954.32	7,987.24	7,975.03	29.51	28.62	158.51	183.55	-183.05	337.09	296.93	40.16	8.393	
8,100.00	8,052.80	8,086.73	8,074.14	29.93	28.99	158.55	189.13	-189.68	347.12	306.44	40.68	8.533	
8,200.00	8,151.28	8,182.09	8,169.18	30.36	29.34	158.65	194.15	-195.65	357.53	316.34	41.19	8.679	
8,300.00	8,249.76	8,275.01	8,261.93	30.78	29.68	158.97	197.66	-199.83	369.59	327.90	41.69	8.866	
8,400.00	8,348.24	8,367.41	8,354.28	31.20	30.02	159.50	199.71	-202.27	383.39	341.23	42.16	9.093	
8,500.00	8,446.72	8,459.65	8,446.52	31.63	30.34	160.22	200.33	-203.01	398.97	356.35	42.62	9.360	
8,535.38	8,481.56	8,494.50	8,481.36	31.78	30.47	160.52	200.33	-203.01	404.77	361.97	42.80	9.457	
8,600.00	8,545.29	8,558.23	8,545.09	32.05	30.69	161.06	200.33	-203.01	414.87	371.75	43.12	9.621	
8,700.00	8,644.24	8,657.18	8,644.04	32.46	31.04	161.75	200.33	-203.01	428.54	384.92	43.62	9.825	
8,800.00	8,743.54	8,756.48	8,743.34	32.86	31.39	162.28	200.33	-203.01	439.78	395.67	44.12	9.969	
8,900.00	8,843.11	8,856.05	8,842.91	33.24	31.74	162.68	200.33	-203.01	448.57	403.95	44.62	10.054	
9,000.00	8,942.89	8,955.83	8,942.69	33.61	32.09	162.95	200.33	-203.01	454.87	409.76	45.12	10.082	
9,100.00	9,042.81	9,055.75	9,042.61	33.96	32.45	163.12	200.33	-203.01	458.68	413.07	45.62	10.055	
9,202.20	9,145.00	9,157.94	9,144.80	34.31	32.81	89.96	200.33	-203.01	459.99	413.87	46.12	9.973	
9,300.00	9,242.80	9,255.73	9,242.60	34.64	33.15	89.96	200.33	-203.01	459.99	413.38	46.61	9.869	
9,400.00	9,342.80	9,355.73	9,342.60	34.98	33.51	89.96	200.33	-203.01	459.99	412.88	47.11	9.764	
9,500.00	9,442.80	9,455.73	9,442.60	35.32	33.86	89.96	200.33	-203.01	459.99	412.38	47.61	9.662	
9,600.00	9,542.80	9,555.73	9,542.60	35.65	34.22	89.96	200.33	-203.01	459.99	411.88	48.11	9.562	
9,700.00	9,642.80	9,655.73	9,642.60	35.99	34.57	89.96	200.33	-203.01	459.99	411.39	48.60	9.464	
9,800.00	9,742.80	9,755.73	9,742.60	36.33	34.92	89.96	200.33	-203.01	459.99	410.89	49.10	9.368	
9,900.00	9,842.80	9,855.73	9,842.60	36.67	35.28	89.96	200.33	-203.01	459.99	410.39	49.60	9.274	
10,000.00	9,942.80	9,955.73	9,942.60	37.01	35.63	89.96	200.33	-203.01	459.99	409.89	50.10	9.181	
10,100.00	10,042.80	10,055.73	10,042.60	37.35	35.99	89.96	200.33	-203.01	459.99	409.39	50.60	9.091	
10,200.00	10,142.80	10,155.73	10,142.60	37.69	36.34	89.96	200.33	-203.01	459.99	408.89	51.10	9.002	
10,300.00	10,242.80	10,255.73	10,242.60	38.03	36.69	89.96	200.33	-203.01	459.99	408.39	51.60	8.915	
10,400.00	10,342.80	10,355.73	10,342.60	38.37	37.05	89.96	200.33	-203.01	459.99	407.89	52.10	8.829	
10,500.00	10,442.80	10,455.73	10,442.60	38.71	37.40	89.96	200.33	-203.01	459.99	407.39	52.60	8.746	
10,600.00	10,542.80	10,555.73	10,542.60	39.05	37.76	89.96	200.33	-203.01	459.99	406.89	53.10	8.663	
10,700.00	10,642.80	10,655.73	10,642.60	39.39	38.11	89.96	200.33	-203.01	459.99	406.39	53.60	8.582	
10,800.00	10,742.80	10,755.73	10,742.60	39.73	38.47	89.96	200.33	-203.01	459.99	405.89	54.10	8.503	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,900.00	10,842.80	10,855.73	10,842.60	40.07	38.82	89.96	200.33	-203.01	459.99	405.39	54.60	8.425	
11,000.00	10,942.80	10,955.73	10,942.60	40.42	39.18	89.96	200.33	-203.01	459.99	404.89	55.10	8.349	
11,100.00	11,042.80	11,055.73	11,042.60	40.76	39.53	89.96	200.33	-203.01	459.99	404.39	55.60	8.273	
11,200.00	11,142.80	11,155.73	11,142.60	41.10	39.89	89.96	200.33	-203.01	459.99	403.89	56.10	8.200	
11,300.00	11,242.80	11,255.73	11,242.60	41.45	40.24	89.96	200.33	-203.01	459.99	403.39	56.60	8.127	
11,307.68	11,250.47	11,263.41	11,250.27	41.47	40.27	89.96	200.33	-203.01	459.99	403.35	56.64	8.122	
11,400.00	11,342.80	11,355.38	11,342.21	41.79	40.59	90.15	198.77	-203.00	460.01	402.92	57.09	8.058	
11,500.00	11,442.80	11,452.03	11,437.54	42.13	40.88	92.04	183.58	-202.86	460.46	402.95	57.50	8.007	
11,530.20	11,473.00	11,479.95	11,464.47	42.24	40.96	92.96	176.22	-202.80	460.89	403.28	57.61	8.000	
11,550.00	11,492.79	11,497.92	11,481.60	42.30	41.01	-85.86	170.79	-202.75	461.28	403.61	57.67	7.998	
11,600.00	11,542.62	11,542.67	11,523.44	42.45	41.13	-84.19	154.97	-202.61	462.54	404.74	57.81	8.001	
11,650.00	11,591.93	11,586.57	11,563.17	42.60	41.24	-82.57	136.32	-202.45	464.16	406.25	57.91	8.015	
11,700.00	11,640.32	11,629.69	11,600.69	42.74	41.33	-81.02	115.09	-202.26	466.07	408.09	57.98	8.039	
11,750.00	11,687.45	11,672.11	11,635.95	42.87	41.42	-79.54	91.51	-202.06	468.22	410.21	58.01	8.072	
11,800.00	11,732.94	11,713.91	11,668.89	42.99	41.50	-78.14	65.79	-201.83	470.54	412.55	58.00	8.113	
11,850.00	11,776.45	11,755.16	11,699.46	43.10	41.57	-76.83	38.12	-201.59	472.98	415.02	57.95	8.161	
11,900.00	11,817.65	11,800.00	11,730.35	43.20	41.64	-75.52	5.64	-201.31	475.48	417.54	57.93	8.207	
11,950.00	11,856.23	11,836.22	11,753.39	43.28	41.68	-74.49	-22.31	-201.06	477.91	420.15	57.77	8.273	
12,000.00	11,891.90	11,876.15	11,776.68	43.36	41.73	-73.48	-54.72	-200.78	480.30	422.66	57.64	8.332	
12,050.00	11,924.37	11,915.73	11,797.49	43.42	41.78	-72.57	-88.39	-200.48	482.56	425.05	57.51	8.391	
12,100.00	11,953.41	11,950.00	11,813.59	43.47	41.86	-71.85	-118.63	-200.22	484.67	427.37	57.31	8.457	
12,150.00	11,978.80	11,994.09	11,831.59	43.52	41.96	-71.09	-158.86	-199.87	486.50	429.24	57.26	8.497	
12,200.00	12,000.33	12,032.94	11,844.85	43.56	42.06	-70.52	-195.37	-199.55	488.10	430.94	57.16	8.540	
12,250.00	12,017.85	12,071.63	11,855.57	43.61	42.15	-70.07	-232.53	-199.22	489.40	432.32	57.09	8.573	
12,300.00	12,031.23	12,110.19	11,863.73	43.66	42.25	-69.73	-270.22	-198.89	490.39	433.33	57.06	8.595	
12,350.00	12,040.35	12,150.00	11,869.48	43.72	42.35	-69.51	-309.60	-198.55	491.05	433.97	57.08	8.602	
12,400.00	12,045.16	12,187.09	11,872.37	43.79	42.45	-69.41	-346.57	-198.22	491.35	434.21	57.14	8.599	
12,422.75	12,045.91	12,204.72	11,872.90	43.83	42.49	-69.41	-364.19	-198.07	491.37	434.18	57.19	8.592	
12,500.00	12,046.91	12,281.97	11,874.12	44.00	42.72	-69.43	-441.42	-197.39	491.30	433.84	57.46	8.551	
12,600.00	12,048.22	12,381.97	11,875.69	44.29	43.05	-69.46	-541.41	-196.52	491.20	433.32	57.87	8.487	
12,700.00	12,049.52	12,481.97	11,877.27	44.65	43.45	-69.49	-641.39	-195.64	491.10	432.73	58.37	8.414	
12,800.00	12,050.82	12,581.96	11,878.85	45.08	43.90	-69.52	-741.37	-194.77	491.00	432.06	58.95	8.330	
12,900.00	12,052.12	12,681.96	11,880.43	45.57	44.41	-69.55	-841.36	-193.89	490.91	431.31	59.60	8.237	
13,000.00	12,053.42	12,781.96	11,882.00	46.12	44.98	-69.58	-941.34	-193.02	490.81	430.49	60.32	8.136	
13,100.00	12,054.72	12,881.96	11,883.58	46.72	45.59	-69.61	-1,041.32	-192.14	490.71	429.59	61.12	8.029	
13,200.00	12,056.02	12,981.96	11,885.16	47.37	46.26	-69.64	-1,141.31	-191.27	490.62	428.63	61.99	7.915	
13,300.00	12,057.32	13,081.96	11,886.74	48.07	46.97	-69.67	-1,241.29	-190.39	490.52	427.60	62.92	7.796	
13,400.00	12,058.62	13,181.96	11,888.32	48.81	47.74	-69.70	-1,341.27	-189.52	490.42	426.51	63.91	7.673	
13,500.00	12,059.92	13,281.96	11,889.89	49.60	48.54	-69.73	-1,441.26	-188.64	490.33	425.36	64.97	7.547	
13,600.00	12,061.22	13,381.96	11,891.47	50.43	49.39	-69.76	-1,541.24	-187.77	490.23	424.15	66.08	7.419	
13,700.00	12,062.52	13,481.96	11,893.05	51.30	50.28	-69.79	-1,641.22	-186.89	490.13	422.89	67.24	7.289	
13,800.00	12,063.82	13,581.96	11,894.63	52.21	51.20	-69.82	-1,741.21	-186.02	490.04	421.58	68.46	7.158	
13,900.00	12,065.12	13,681.96	11,896.21	53.16	52.16	-69.85	-1,841.19	-185.14	489.94	420.21	69.73	7.027	
14,000.00	12,066.42	13,781.96	11,897.78	54.13	53.16	-69.88	-1,941.17	-184.27	489.85	418.81	71.04	6.895	
14,100.00	12,067.73	13,881.96	11,899.36	55.14	54.18	-69.92	-2,041.16	-183.39	489.75	417.35	72.40	6.765	
14,200.00	12,069.03	13,981.96	11,900.94	56.18	55.24	-69.95	-2,141.14	-182.52	489.65	415.86	73.79	6.635	
14,300.00	12,070.33	14,081.96	11,902.52	57.25	56.33	-69.98	-2,241.12	-181.64	489.56	414.33	75.23	6.507	
14,400.00	12,071.63	14,181.96	11,904.10	58.35	57.44	-70.01	-2,341.11	-180.77	489.46	412.76	76.70	6.381	
14,500.00	12,072.93	14,281.96	11,905.67	59.47	58.58	-70.04	-2,441.09	-179.89	489.37	411.16	78.21	6.257	
14,600.00	12,074.23	14,381.96	11,907.25	60.61	59.74	-70.07	-2,541.07	-179.02	489.27	409.52	79.75	6.135	
14,700.00	12,075.53	14,481.96	11,908.83	61.78	60.92	-70.10	-2,641.06	-178.14	489.18	407.85	81.33	6.015	
14,800.00	12,076.83	14,581.96	11,910.41	62.97	62.13	-70.13	-2,741.04	-177.27	489.08	406.16	82.93	5.898	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,900.00	12,078.13	14,681.96	11,911.99	64.18	63.36	-70.16	-2,841.02	-176.39	488.99	404.43	84.55	5.783	
15,000.00	12,079.43	14,781.96	11,913.56	65.41	64.60	-70.19	-2,941.01	-175.52	488.89	402.69	86.21	5.671	
15,100.00	12,080.73	14,881.96	11,915.14	66.66	65.86	-70.22	-3,040.99	-174.64	488.80	400.91	87.89	5.562	
15,200.00	12,082.03	14,981.96	11,916.72	67.93	67.14	-70.25	-3,140.97	-173.77	488.71	399.12	89.59	5.455	
15,300.00	12,083.33	15,081.96	11,918.30	69.21	68.44	-70.28	-3,240.96	-172.89	488.61	397.30	91.31	5.351	
15,400.00	12,084.63	15,181.95	11,919.87	70.50	69.75	-70.31	-3,340.94	-172.02	488.52	395.46	93.05	5.250	
15,500.00	12,085.94	15,281.95	11,921.45	71.82	71.08	-70.34	-3,440.92	-171.14	488.42	393.61	94.82	5.151	
15,600.00	12,087.24	15,381.95	11,923.03	73.14	72.41	-70.37	-3,540.91	-170.27	488.33	391.73	96.60	5.055	
15,700.00	12,088.54	15,481.95	11,924.61	74.48	73.77	-70.40	-3,640.89	-169.39	488.24	389.84	98.40	4.962	
15,800.00	12,089.84	15,581.95	11,926.19	75.83	75.13	-70.43	-3,740.87	-168.52	488.14	387.93	100.21	4.871	
15,900.00	12,091.14	15,681.95	11,927.76	77.19	76.50	-70.47	-3,840.86	-167.64	488.05	386.01	102.04	4.783	
16,000.00	12,092.44	15,781.95	11,929.34	78.57	77.89	-70.50	-3,940.84	-166.77	487.96	384.07	103.89	4.697	
16,100.00	12,093.74	15,881.95	11,930.92	79.95	79.29	-70.53	-4,040.82	-165.89	487.87	382.12	105.74	4.614	
16,200.00	12,095.04	15,981.95	11,932.50	81.34	80.69	-70.56	-4,140.81	-165.02	487.77	380.16	107.62	4.533	
16,300.00	12,096.34	16,081.95	11,934.08	82.75	82.11	-70.59	-4,240.79	-164.14	487.68	378.18	109.50	4.454	
16,400.00	12,097.64	16,181.95	11,935.65	84.16	83.53	-70.62	-4,340.77	-163.27	487.59	376.19	111.39	4.377	
16,500.00	12,098.94	16,281.95	11,937.23	85.58	84.96	-70.65	-4,440.76	-162.39	487.50	374.20	113.30	4.303	
16,600.00	12,100.24	16,381.95	11,938.81	87.01	86.40	-70.68	-4,540.74	-161.52	487.40	372.19	115.22	4.230	
16,700.00	12,101.54	16,481.95	11,940.39	88.45	87.85	-70.71	-4,640.72	-160.64	487.31	370.17	117.14	4.160	
16,800.00	12,102.84	16,581.95	11,941.97	89.89	89.30	-70.74	-4,740.71	-159.77	487.22	368.14	119.08	4.092	
16,900.00	12,104.15	16,681.95	11,943.54	91.34	90.76	-70.77	-4,840.69	-158.89	487.13	366.10	121.03	4.025	
17,000.00	12,105.45	16,781.95	11,945.12	92.80	92.23	-70.80	-4,940.67	-158.02	487.04	364.06	122.98	3.960	
17,100.00	12,106.75	16,881.95	11,946.70	94.26	93.70	-70.83	-5,040.66	-157.14	486.94	362.00	124.94	3.897	
17,200.00	12,108.05	16,981.95	11,948.28	95.74	95.18	-70.86	-5,140.64	-156.27	486.85	359.94	126.91	3.836	
17,300.00	12,109.35	17,081.95	11,949.85	97.21	96.67	-70.90	-5,240.62	-155.39	486.76	357.87	128.89	3.777	
17,400.00	12,110.65	17,181.95	11,951.43	98.69	98.16	-70.93	-5,340.61	-154.52	486.67	355.80	130.87	3.719	
17,500.00	12,111.95	17,281.95	11,953.01	100.18	99.66	-70.96	-5,440.59	-153.64	486.58	353.72	132.86	3.662	
17,600.00	12,113.25	17,381.95	11,954.59	101.67	101.16	-70.99	-5,540.57	-152.77	486.49	351.63	134.86	3.607	
17,700.00	12,114.55	17,481.95	11,956.17	103.17	102.66	-71.02	-5,640.56	-151.89	486.40	349.54	136.86	3.554	
17,800.00	12,115.85	17,581.95	11,957.74	104.67	104.17	-71.05	-5,740.54	-151.02	486.31	347.44	138.87	3.502	
17,900.00	12,117.15	17,681.95	11,959.32	106.18	105.68	-71.08	-5,840.52	-150.14	486.22	345.33	140.89	3.451	
18,000.00	12,118.45	17,781.94	11,960.90	107.69	107.20	-71.11	-5,940.51	-149.27	486.13	343.22	142.90	3.402	
18,100.00	12,119.75	17,881.94	11,962.48	109.20	108.72	-71.14	-6,040.49	-148.39	486.04	341.11	144.93	3.354	
18,200.00	12,121.05	17,981.94	11,964.06	110.72	110.25	-71.17	-6,140.47	-147.52	485.95	338.99	146.96	3.307	
18,300.00	12,122.36	18,081.94	11,965.63	112.25	111.78	-71.20	-6,240.46	-146.64	485.86	336.87	148.99	3.261	
18,400.00	12,123.66	18,181.94	11,967.21	113.77	113.31	-71.24	-6,340.44	-145.77	485.77	334.74	151.03	3.216	
18,500.00	12,124.96	18,281.94	11,968.79	115.30	114.85	-71.27	-6,440.42	-144.89	485.68	332.61	153.07	3.173	
18,600.00	12,126.26	18,381.94	11,970.37	116.83	116.39	-71.30	-6,540.41	-144.02	485.59	330.47	155.12	3.130	
18,700.00	12,127.56	18,481.94	11,971.95	118.37	117.93	-71.33	-6,640.39	-143.14	485.50	328.33	157.17	3.089	
18,800.00	12,128.86	18,581.94	11,973.52	119.91	119.47	-71.36	-6,740.37	-142.27	485.41	326.19	159.22	3.049	
18,900.00	12,130.16	18,681.94	11,975.10	121.45	121.02	-71.39	-6,840.36	-141.39	485.32	324.05	161.28	3.009	
19,000.00	12,131.46	18,781.94	11,976.68	123.00	122.57	-71.42	-6,940.34	-140.52	485.23	321.90	163.34	2.971	
19,100.00	12,132.76	18,881.94	11,978.26	124.54	124.13	-71.45	-7,040.32	-139.64	485.14	319.75	165.40	2.933	
19,200.00	12,134.06	18,981.94	11,979.83	126.10	125.68	-71.48	-7,140.31	-138.77	485.06	317.59	167.46	2.896	
19,300.00	12,135.36	19,081.94	11,981.41	127.65	127.24	-71.51	-7,240.29	-137.89	484.97	315.43	169.53	2.861	
19,400.00	12,136.66	19,181.94	11,982.99	129.20	128.80	-71.55	-7,340.27	-137.02	484.88	313.27	171.60	2.826	
19,500.00	12,137.96	19,281.94	11,984.57	130.76	130.36	-71.58	-7,440.26	-136.14	484.79	311.11	173.68	2.791	
19,600.00	12,139.26	19,381.94	11,986.15	132.32	131.93	-71.61	-7,540.24	-135.27	484.70	308.95	175.75	2.758	
19,700.00	12,140.57	19,481.94	11,987.72	133.88	133.50	-71.64	-7,640.22	-134.39	484.62	306.78	177.83	2.725	
19,800.00	12,141.87	19,581.94	11,989.30	135.45	135.07	-71.67	-7,740.21	-133.52	484.53	304.61	179.91	2.693	
19,900.00	12,143.17	19,681.94	11,990.88	137.02	136.64	-71.70	-7,840.19	-132.64	484.44	302.44	182.00	2.662	
20,000.00	12,144.47	19,781.94	11,992.46	138.58	138.21	-71.73	-7,940.17	-131.77	484.35	300.27	184.08	2.631	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Bus Driver Fed Com 602H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
20,100.00	12,145.77	19,881.94	11,994.04	140.15	139.79	-71.76	-8,040.16	-130.89	484.27	298.10	186.17	2.601	
20,200.00	12,147.07	19,981.94	11,995.61	141.73	141.36	-71.79	-8,140.14	-130.02	484.18	295.92	188.26	2.572	
20,300.00	12,148.37	20,081.94	11,997.19	143.30	142.94	-71.83	-8,240.12	-129.14	484.09	293.74	190.35	2.543	
20,400.00	12,149.67	20,181.94	11,998.77	144.88	144.52	-71.86	-8,340.11	-128.27	484.00	291.56	192.44	2.515	
20,500.00	12,150.97	20,281.94	12,000.35	146.45	146.10	-71.89	-8,440.09	-127.39	483.92	289.38	194.54	2.488	
20,600.00	12,152.27	20,381.93	12,001.93	148.03	147.69	-71.92	-8,540.07	-126.52	483.83	287.20	196.63	2.461	
20,700.00	12,153.57	20,481.93	12,003.50	149.61	149.27	-71.95	-8,640.06	-125.64	483.75	285.02	198.73	2.434	
20,800.00	12,154.87	20,581.93	12,005.08	151.20	150.86	-71.98	-8,740.04	-124.77	483.66	282.83	200.83	2.408	
20,900.00	12,156.17	20,681.93	12,006.66	152.78	152.44	-72.01	-8,840.02	-123.89	483.57	280.65	202.93	2.383	
21,000.00	12,157.47	20,781.93	12,008.24	154.37	154.03	-72.04	-8,940.01	-123.02	483.49	278.46	205.03	2.358	
21,100.00	12,158.77	20,881.93	12,009.81	155.95	155.62	-72.07	-9,039.99	-122.14	483.40	276.27	207.13	2.334	
21,200.00	12,160.08	20,981.93	12,011.39	157.54	157.22	-72.11	-9,139.97	-121.27	483.32	274.09	209.23	2.310	
21,300.00	12,161.38	21,081.93	12,012.97	159.13	158.81	-72.14	-9,239.96	-120.39	483.23	271.90	211.33	2.287	
21,400.00	12,162.68	21,181.93	12,014.55	160.72	160.40	-72.17	-9,339.94	-119.52	483.14	269.71	213.44	2.264	
21,500.00	12,163.98	21,281.93	12,016.13	162.31	162.00	-72.20	-9,439.92	-118.64	483.06	267.52	215.54	2.241	
21,600.00	12,165.28	21,381.93	12,017.70	163.90	163.59	-72.23	-9,539.91	-117.77	482.97	265.32	217.65	2.219	
21,700.00	12,166.58	21,481.93	12,019.28	165.50	165.19	-72.26	-9,639.89	-116.89	482.89	263.13	219.76	2.197	
21,800.00	12,167.88	21,581.93	12,020.86	167.09	166.79	-72.29	-9,739.87	-116.02	482.80	260.94	221.87	2.176	
21,900.00	12,169.18	21,681.93	12,022.44	168.69	168.39	-72.33	-9,839.86	-115.14	482.72	258.75	223.97	2.155	
22,000.00	12,170.48	21,781.93	12,024.02	170.29	169.99	-72.36	-9,939.84	-114.27	482.64	256.55	226.08	2.135	
22,100.00	12,171.78	21,881.93	12,025.59	171.89	171.59	-72.39	-10,039.82	-113.39	482.55	254.36	228.19	2.115	
22,200.00	12,173.08	21,981.93	12,027.17	173.49	173.19	-72.42	-10,139.81	-112.52	482.47	252.16	230.30	2.095	
22,300.00	12,174.38	22,081.93	12,028.75	175.09	174.80	-72.45	-10,239.79	-111.64	482.38	249.97	232.41	2.076	
22,400.00	12,175.68	22,181.93	12,030.33	176.69	176.40	-72.48	-10,339.77	-110.77	482.30	247.78	234.52	2.057	
22,500.00	12,176.98	22,281.93	12,031.91	178.29	178.01	-72.51	-10,439.76	-109.89	482.22	245.58	236.63	2.038	
22,600.00	12,178.29	22,381.93	12,033.48	179.89	179.61	-72.54	-10,539.74	-109.02	482.13	243.39	238.75	2.019	
22,700.00	12,179.59	22,481.93	12,035.06	181.50	181.22	-72.58	-10,639.72	-108.14	482.05	241.19	240.86	2.001	
22,800.00	12,180.89	22,581.93	12,036.64	183.10	182.83	-72.61	-10,739.71	-107.27	481.96	239.00	242.97	1.984	
22,900.00	12,182.19	22,681.93	12,038.22	184.71	184.44	-72.64	-10,839.69	-106.39	481.88	236.80	245.08	1.966	
23,000.00	12,183.49	22,781.93	12,039.80	186.31	186.05	-72.67	-10,939.67	-105.52	481.80	234.60	247.19	1.949	
23,100.00	12,184.79	22,881.93	12,041.37	187.92	187.66	-72.70	-11,039.66	-104.64	481.72	232.41	249.31	1.932	
23,200.00	12,186.09	22,981.93	12,042.95	189.53	189.27	-72.73	-11,139.64	-103.77	481.63	230.21	251.42	1.916	
23,300.00	12,187.39	23,081.92	12,044.53	191.14	190.88	-72.77	-11,239.62	-102.89	481.55	228.02	253.53	1.899	
23,400.00	12,188.69	23,181.92	12,046.11	192.75	192.49	-72.80	-11,339.61	-102.02	481.47	225.82	255.64	1.883	
23,500.00	12,189.99	23,281.92	12,047.68	194.36	194.10	-72.83	-11,439.59	-101.14	481.39	223.63	257.76	1.868	
23,600.00	12,191.29	23,381.92	12,049.26	195.97	195.72	-72.86	-11,539.57	-100.27	481.30	221.44	259.87	1.852	
23,700.00	12,192.59	23,481.92	12,050.84	197.58	197.33	-72.89	-11,639.56	-99.39	481.22	219.24	261.98	1.837	
23,800.00	12,193.89	23,581.92	12,052.42	199.20	198.94	-72.92	-11,739.54	-98.52	481.14	217.05	264.09	1.822	
23,900.00	12,195.19	23,681.92	12,054.00	200.81	200.56	-72.95	-11,839.52	-97.64	481.06	214.86	266.20	1.807	
24,000.00	12,196.50	23,781.92	12,055.57	202.42	202.18	-72.99	-11,939.51	-96.77	480.98	212.66	268.31	1.793	
24,100.00	12,197.80	23,881.92	12,057.15	204.04	203.79	-73.02	-12,039.49	-95.89	480.89	210.47	270.42	1.778	
24,106.63	12,197.88	23,888.15	12,057.25	204.14	203.89	-73.02	-12,045.72	-95.84	480.89	210.34	270.55	1.777	
24,110.32	12,197.93	23,888.15	12,057.25	204.20	203.89	-73.02	-12,045.72	-95.84	480.90	210.42	270.49	1.778	
24,111.10	12,197.94	23,888.15	12,057.25	204.22	203.89	-73.02	-12,045.72	-95.84	480.91	210.47	270.44	1.778	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 603H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.46	0.99	104.98	105.00				
100.00	100.00	98.40	98.40	0.14	0.14	89.46	0.99	104.98	104.98	104.79	0.20	528.485	
200.00	200.00	198.40	198.40	0.50	0.49	89.46	0.99	104.98	104.98	104.28	0.70	149.304	
300.00	300.00	298.40	298.40	0.86	0.85	89.46	0.99	104.98	104.98	103.77	1.21	86.756	
400.00	400.00	398.40	398.40	1.22	1.21	89.46	0.99	104.98	104.98	103.27	1.72	61.142	
500.00	500.00	498.40	498.40	1.58	1.57	89.46	0.99	104.98	104.98	102.76	2.22	47.205	
600.00	600.00	598.40	598.40	1.93	1.93	89.46	0.99	104.98	104.98	102.25	2.73	38.442	
700.00	700.00	698.40	698.40	2.29	2.29	89.46	0.99	104.98	104.98	101.75	3.24	32.423	
800.00	800.00	798.40	798.40	2.65	2.65	89.46	0.99	104.98	104.98	101.24	3.74	28.034	
900.00	900.00	898.40	898.40	3.01	3.00	89.46	0.99	104.98	104.98	100.73	4.25	24.692	
1,000.00	1,000.00	998.40	998.40	3.37	3.36	89.46	0.99	104.98	104.98	100.23	4.76	22.061	
1,100.00	1,100.00	1,098.40	1,098.40	3.73	3.72	89.46	0.99	104.98	104.98	99.72	5.27	19.937	
1,200.00	1,200.00	1,198.40	1,198.40	4.08	4.08	89.46	0.99	104.98	104.98	99.21	5.77	18.186	
1,300.00	1,300.00	1,298.40	1,298.40	4.44	4.44	89.46	0.99	104.98	104.98	98.71	6.28	16.718	
1,400.00	1,400.00	1,398.40	1,398.40	4.80	4.80	89.46	0.99	104.98	104.98	98.20	6.79	15.469	
1,500.00	1,500.00	1,498.40	1,498.40	5.16	5.15	89.46	0.99	104.98	104.98	97.69	7.29	14.394	
1,600.00	1,600.00	1,598.40	1,598.40	5.52	5.51	89.46	0.99	104.98	104.98	97.18	7.80	13.459	
1,700.00	1,700.00	1,698.40	1,698.40	5.88	5.87	89.46	0.99	104.98	104.98	96.68	8.31	12.637	
1,800.00	1,800.00	1,798.40	1,798.40	6.24	6.23	89.46	0.99	104.98	104.98	96.17	8.81	11.911	
1,900.00	1,900.00	1,898.40	1,898.40	6.59	6.59	89.46	0.99	104.98	104.98	95.66	9.32	11.263	
2,000.00	2,000.00	1,998.40	1,998.40	6.95	6.95	89.46	0.99	104.98	104.98	95.16	9.83	10.682	
2,100.00	2,100.00	2,098.40	2,098.40	7.31	7.31	89.46	0.99	104.98	104.98	94.65	10.34	10.158	
2,200.00	2,200.00	2,198.40	2,198.40	7.67	7.66	89.46	0.99	104.98	104.98	94.14	10.84	9.683	
2,300.00	2,300.00	2,298.40	2,298.40	8.03	8.02	89.46	0.99	104.98	104.98	93.64	11.35	9.250	
2,400.00	2,400.00	2,398.40	2,398.40	8.39	8.38	89.46	0.99	104.98	104.98	93.13	11.86	8.855	
2,500.00	2,500.00	2,498.40	2,498.40	8.74	8.74	89.46	0.99	104.98	104.98	92.62	12.36	8.492	
2,600.00	2,600.00	2,598.40	2,598.40	9.10	9.10	89.46	0.99	104.98	104.98	92.11	12.87	8.157	
2,700.00	2,700.00	2,698.40	2,698.40	9.46	9.46	89.46	0.99	104.98	104.98	91.61	13.38	7.848	
2,800.00	2,800.00	2,798.40	2,798.40	9.82	9.81	89.46	0.99	104.98	104.98	91.10	13.88	7.562	
2,900.00	2,900.00	2,898.40	2,898.40	10.18	10.17	89.46	0.99	104.98	104.98	90.59	14.39	7.295	
3,000.00	3,000.00	2,998.40	2,998.40	10.54	10.53	89.46	0.99	104.98	104.98	90.09	14.90	7.047	
3,100.00	3,100.00	3,098.40	3,098.40	10.90	10.89	89.46	0.99	104.98	104.98	89.58	15.40	6.815	
3,200.00	3,200.00	3,198.40	3,198.40	11.25	11.25	89.46	0.99	104.98	104.98	89.07	15.91	6.598	
3,300.00	3,300.00	3,298.40	3,298.40	11.61	11.61	89.46	0.99	104.98	104.98	88.57	16.42	6.394	
3,400.00	3,400.00	3,398.40	3,398.40	11.97	11.97	89.46	0.99	104.98	104.98	88.06	16.93	6.203	
3,500.00	3,500.00	3,498.40	3,498.40	12.33	12.32	89.46	0.99	104.98	104.98	87.55	17.43	6.022	
3,600.00	3,600.00	3,598.40	3,598.40	12.69	12.68	89.46	0.99	104.98	104.98	87.05	17.94	5.852	
3,700.00	3,700.00	3,698.40	3,698.40	13.05	13.04	89.46	0.99	104.98	104.98	86.54	18.45	5.691	
3,800.00	3,800.00	3,798.40	3,798.40	13.41	13.40	89.46	0.99	104.98	104.98	86.03	18.95	5.539	
3,900.00	3,900.00	3,898.40	3,898.40	13.76	13.76	89.46	0.99	104.98	104.98	85.52	19.46	5.395	
4,000.00	4,000.00	3,998.40	3,998.40	14.12	14.12	89.46	0.99	104.98	104.98	85.02	19.97	5.258	
4,100.00	4,100.00	4,098.40	4,098.40	14.48	14.47	89.46	0.99	104.98	104.98	84.51	20.47	5.128	
4,200.00	4,200.00	4,198.40	4,198.40	14.84	14.83	89.46	0.99	104.98	104.98	84.00	20.98	5.004	
4,300.00	4,300.00	4,298.40	4,298.40	15.20	15.19	89.46	0.99	104.98	104.98	83.50	21.49	4.886	
4,400.00	4,400.00	4,398.40	4,398.40	15.56	15.55	89.46	0.99	104.98	104.98	82.99	22.00	4.773	
4,500.00	4,500.00	4,498.40	4,498.40	15.91	15.91	89.46	0.99	104.98	104.98	82.48	22.50	4.666	CC, ES
4,550.00	4,550.00	4,547.14	4,547.14	16.09	16.08	89.42	1.06	105.26	105.27	82.53	22.75	4.628	SF
4,600.00	4,600.00	4,595.81	4,595.80	16.27	16.25	162.57	1.29	106.14	106.50	83.51	22.99	4.633	
4,700.00	4,699.96	4,692.91	4,692.83	16.62	16.59	162.49	2.19	109.70	112.66	89.21	23.45	4.805	
4,800.00	4,799.82	4,789.39	4,789.12	16.96	16.92	162.48	3.69	115.60	123.77	99.88	23.89	5.180	
4,900.00	4,899.51	4,884.90	4,884.25	17.31	17.26	162.52	5.77	123.76	139.77	115.45	24.32	5.747	
5,000.00	4,998.96	4,979.11	4,977.86	17.66	17.59	162.59	8.39	134.06	160.60	135.87	24.73	6.494	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 603H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.10	5,073.52	5,071.40	18.02	17.92	162.67	11.54	146.43	185.97	160.81	25.16	7.391	
5,200.00	5,196.87	5,169.46	5,166.41	18.38	18.26	162.89	14.83	159.37	214.14	188.51	25.64	8.353	
5,216.82	5,213.44	5,185.53	5,182.32	18.44	18.32	162.94	15.38	161.53	219.12	193.40	25.72	8.520	
5,300.00	5,295.35	5,264.92	5,260.94	18.74	18.61	163.26	18.10	172.24	243.89	217.78	26.11	9.340	
5,400.00	5,393.83	5,360.37	5,355.46	19.11	18.95	163.56	21.38	185.12	273.68	247.09	26.59	10.294	
5,500.00	5,492.31	5,455.82	5,449.98	19.48	19.30	163.81	24.66	197.99	303.47	276.41	27.06	11.214	
5,600.00	5,590.79	5,551.28	5,544.50	19.85	19.65	164.01	27.93	210.86	333.27	305.73	27.54	12.102	
5,700.00	5,689.27	5,646.73	5,639.03	20.23	20.00	164.18	31.21	223.74	363.08	335.06	28.02	12.960	
5,800.00	5,787.75	5,742.18	5,733.55	20.61	20.35	164.32	34.48	236.61	392.88	364.38	28.49	13.788	
5,900.00	5,886.23	5,837.63	5,828.07	20.99	20.71	164.44	37.76	249.49	422.69	393.71	28.97	14.588	
6,000.00	5,984.71	5,933.08	5,922.59	21.38	21.07	164.55	41.04	262.36	452.49	423.04	29.46	15.362	
6,100.00	6,083.19	6,028.53	6,017.11	21.77	21.42	164.64	44.31	275.24	482.30	452.36	29.94	16.110	
6,200.00	6,181.67	6,123.98	6,111.64	22.16	21.78	164.73	47.59	288.11	512.11	481.69	30.42	16.834	
6,300.00	6,280.15	6,219.43	6,206.16	22.55	22.15	164.80	50.86	300.98	541.92	511.02	30.91	17.535	
6,400.00	6,378.63	6,314.88	6,300.68	22.95	22.51	164.87	54.14	313.86	571.74	540.34	31.39	18.213	
6,500.00	6,477.11	6,410.33	6,395.20	23.34	22.87	164.93	57.42	326.73	601.55	569.67	31.88	18.871	
6,600.00	6,575.59	6,505.79	6,489.72	23.75	23.24	164.98	60.69	339.61	631.36	599.00	32.36	19.508	
6,700.00	6,674.07	6,601.24	6,584.25	24.15	23.60	165.03	63.97	352.48	661.17	628.32	32.85	20.126	
6,800.00	6,772.56	6,696.69	6,678.77	24.55	23.97	165.07	67.24	365.35	690.99	657.65	33.34	20.725	
6,900.00	6,871.04	6,792.14	6,773.29	24.96	24.34	165.11	70.52	378.23	720.80	686.97	33.83	21.306	
7,000.00	6,969.52	6,887.59	6,867.81	25.36	24.71	165.15	73.79	391.10	750.62	716.30	34.32	21.870	
7,100.00	7,068.00	6,983.04	6,962.33	25.77	25.08	165.19	77.07	403.98	780.43	745.62	34.81	22.418	
7,200.00	7,166.48	7,078.49	7,056.86	26.18	25.45	165.22	80.35	416.85	810.25	774.94	35.30	22.950	
7,300.00	7,264.96	7,173.94	7,151.38	26.59	25.83	165.25	83.62	429.73	840.06	804.26	35.80	23.467	
7,400.00	7,363.44	7,269.39	7,245.90	27.01	26.20	165.28	86.90	442.60	869.88	833.59	36.29	23.969	
7,500.00	7,461.92	7,364.84	7,340.42	27.42	26.57	165.30	90.17	455.47	899.69	862.91	36.79	24.458	
7,600.00	7,560.40	7,460.29	7,434.94	27.84	26.95	165.33	93.45	468.35	929.51	892.23	37.28	24.933	
7,700.00	7,658.88	7,555.75	7,529.47	28.25	27.32	165.35	96.73	481.22	959.32	921.55	37.78	25.395	
7,800.00	7,757.36	7,651.20	7,623.99	28.67	27.70	165.37	100.00	494.10	989.14	950.87	38.27	25.845	
7,900.00	7,855.84	7,746.65	7,718.51	29.09	28.08	165.39	103.28	506.97	1,018.96	980.19	38.77	26.283	
8,000.00	7,954.32	7,842.10	7,813.03	29.51	28.46	165.41	106.55	519.84	1,048.77	1,009.51	39.27	26.709	
8,100.00	8,052.80	7,937.55	7,907.55	29.93	28.83	165.43	109.83	532.72	1,078.59	1,038.83	39.76	27.125	
8,200.00	8,151.28	8,033.00	8,002.08	30.36	29.21	165.45	113.11	545.59	1,108.41	1,068.14	40.26	27.529	
8,300.00	8,249.76	8,128.45	8,096.60	30.78	29.59	165.46	116.38	558.47	1,138.22	1,097.46	40.76	27.924	
8,400.00	8,348.24	8,223.90	8,191.12	31.20	29.97	165.48	119.66	571.34	1,168.04	1,126.78	41.26	28.308	
8,500.00	8,446.72	8,319.35	8,285.64	31.63	30.35	165.49	122.93	584.22	1,197.86	1,156.09	41.76	28.683	
8,535.38	8,481.56	8,353.13	8,319.08	31.78	30.49	165.50	124.09	588.77	1,208.41	1,166.47	41.94	28.814	
8,600.00	8,545.29	8,414.96	8,380.32	32.05	30.74	165.57	126.21	597.11	1,227.17	1,184.90	42.26	29.037	
8,700.00	8,644.24	8,511.23	8,475.65	32.46	31.12	165.66	129.52	610.10	1,254.20	1,211.43	42.76	29.328	
8,800.00	8,743.54	8,608.16	8,571.63	32.86	31.51	165.70	132.84	623.17	1,278.78	1,235.51	43.27	29.555	
8,900.00	8,843.11	8,705.66	8,668.19	33.24	31.90	165.70	136.19	636.32	1,300.89	1,257.12	43.77	29.720	
9,000.00	8,942.89	8,803.68	8,765.26	33.61	32.29	165.67	139.56	649.54	1,320.53	1,276.26	44.28	29.826	
9,100.00	9,042.81	8,902.15	8,862.77	33.96	32.69	165.61	142.93	662.82	1,337.68	1,292.90	44.78	29.873	
9,202.20	9,145.00	9,003.19	8,962.82	34.31	33.10	92.29	146.40	676.45	1,352.63	1,307.34	45.29	29.864	
9,300.00	9,242.80	9,100.03	9,058.72	34.64	33.49	92.13	149.73	689.51	1,365.69	1,319.91	45.78	29.829	
9,400.00	9,342.80	9,199.06	9,156.79	34.98	33.89	91.97	153.12	702.87	1,379.06	1,332.77	46.29	29.793	
9,500.00	9,442.80	9,298.09	9,254.85	35.32	34.29	91.81	156.52	716.23	1,392.44	1,345.64	46.79	29.759	
9,600.00	9,542.80	9,397.11	9,352.91	35.65	34.69	91.65	159.92	729.58	1,405.82	1,358.53	47.29	29.725	
9,700.00	9,642.80	9,496.14	9,450.97	35.99	35.09	91.49	163.32	742.94	1,419.22	1,371.42	47.80	29.692	
9,800.00	9,742.80	9,595.17	9,549.04	36.33	35.49	91.34	166.72	756.29	1,432.63	1,384.33	48.30	29.659	
9,900.00	9,842.80	9,694.19	9,647.10	36.67	35.89	91.19	170.12	769.65	1,446.05	1,397.24	48.81	29.628	
10,000.00	9,942.80	9,793.22	9,745.16	37.01	36.29	91.05	173.52	783.01	1,459.48	1,410.16	49.31	29.597	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 603H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,042.80	9,892.25	9,843.23	37.35	36.69	90.91	176.91	796.36	1,472.91	1,423.10	49.82	29.567	
10,200.00	10,142.80	9,991.27	9,941.29	37.69	37.10	90.77	180.31	809.72	1,486.36	1,436.04	50.32	29.537	
10,300.00	10,242.80	10,090.30	10,039.35	38.03	37.50	90.63	183.71	823.08	1,499.81	1,448.98	50.83	29.508	
10,400.00	10,342.80	10,189.33	10,137.42	38.37	37.90	90.49	187.11	836.43	1,513.27	1,461.94	51.33	29.480	
10,500.00	10,442.80	10,288.35	10,235.48	38.71	38.31	90.36	190.51	849.79	1,526.74	1,474.91	51.84	29.453	
10,600.00	10,542.80	10,426.29	10,372.25	39.05	38.86	90.19	194.93	867.15	1,539.45	1,486.90	52.56	29.291	
10,700.00	10,642.80	10,589.98	10,535.22	39.39	39.49	90.05	198.64	881.74	1,548.37	1,495.01	53.36	29.018	
10,800.00	10,742.80	10,754.66	10,699.70	39.73	40.08	89.98	200.63	889.57	1,553.13	1,499.04	54.09	28.714	
10,900.00	10,842.80	10,896.18	10,841.20	40.07	40.57	89.96	200.99	890.98	1,553.98	1,499.28	54.70	28.410	
11,000.00	10,942.80	10,996.18	10,941.20	40.42	40.90	89.96	200.99	890.98	1,553.98	1,498.79	55.19	28.156	
11,100.00	11,042.80	11,096.18	11,041.20	40.76	41.24	89.96	200.99	890.98	1,553.98	1,498.29	55.69	27.906	
11,200.00	11,142.80	11,196.18	11,141.20	41.10	41.57	89.96	200.99	890.98	1,553.98	1,497.80	56.18	27.660	
11,300.00	11,242.80	11,296.18	11,241.20	41.45	41.91	89.96	200.99	890.98	1,553.98	1,497.30	56.68	27.418	
11,304.04	11,246.83	11,300.21	11,245.23	41.46	41.92	89.96	200.99	890.98	1,553.98	1,497.28	56.70	27.408	
11,400.00	11,342.80	11,394.00	11,338.83	41.79	42.22	90.13	196.47	891.02	1,554.03	1,496.88	57.15	27.190	
11,500.00	11,442.80	11,487.23	11,429.97	42.13	42.49	90.84	177.33	891.21	1,554.42	1,496.82	57.60	26.987	
11,530.20	11,473.00	11,513.92	11,455.38	42.24	42.56	91.14	169.14	891.29	1,554.68	1,496.95	57.73	26.932	
11,550.00	11,492.79	11,531.08	11,471.49	42.30	42.61	-88.13	163.26	891.35	1,554.90	1,497.09	57.81	26.898	
11,600.00	11,542.62	11,573.77	11,510.76	42.45	42.71	-87.57	146.55	891.51	1,555.55	1,497.55	57.99	26.822	
11,650.00	11,591.93	11,615.62	11,547.95	42.60	42.81	-87.02	127.38	891.70	1,556.33	1,498.16	58.17	26.754	
11,700.00	11,640.32	11,656.72	11,583.02	42.74	42.90	-86.49	105.96	891.91	1,557.22	1,498.88	58.34	26.694	
11,750.00	11,687.45	11,700.00	11,618.19	42.87	42.98	-85.95	80.75	892.15	1,558.19	1,499.70	58.50	26.638	
11,800.00	11,732.94	11,737.01	11,646.68	42.99	43.04	-85.50	57.14	892.38	1,559.22	1,500.59	58.63	26.594	
11,850.00	11,776.45	11,776.34	11,675.21	43.10	43.11	-85.05	30.09	892.65	1,560.28	1,501.52	58.76	26.553	
11,900.00	11,817.65	11,815.20	11,701.53	43.20	43.16	-84.62	1.50	892.93	1,561.35	1,502.47	58.88	26.516	
11,950.00	11,856.23	11,850.00	11,723.39	43.28	43.21	-84.26	-25.56	893.19	1,562.41	1,503.42	58.99	26.485	
12,000.00	11,891.90	11,891.78	11,747.41	43.36	43.27	-83.88	-59.73	893.53	1,563.41	1,504.30	59.12	26.447	
12,050.00	11,924.37	11,929.59	11,766.96	43.42	43.31	-83.56	-92.09	893.84	1,564.36	1,505.14	59.23	26.414	
12,100.00	11,953.41	11,967.14	11,784.21	43.47	43.35	-83.28	-125.43	894.17	1,565.23	1,505.89	59.34	26.379	
12,150.00	11,978.80	12,000.00	11,797.49	43.52	43.39	-83.06	-155.48	894.46	1,566.00	1,506.57	59.44	26.347	
12,200.00	12,000.33	12,041.63	11,811.81	43.56	43.44	-82.84	-194.57	894.84	1,566.65	1,507.08	59.57	26.301	
12,250.00	12,017.85	12,078.66	11,822.13	43.61	43.49	-82.69	-230.12	895.19	1,567.17	1,507.49	59.69	26.255	
12,300.00	12,031.23	12,115.58	11,830.11	43.66	43.55	-82.58	-266.16	895.54	1,567.56	1,507.74	59.82	26.204	
12,350.00	12,040.35	12,150.00	11,835.44	43.72	43.61	-82.52	-300.15	895.87	1,567.81	1,507.85	59.96	26.149	
12,400.00	12,045.16	12,189.28	11,839.03	43.79	43.68	-82.50	-339.26	896.25	1,567.90	1,507.80	60.11	26.084	
12,422.75	12,045.91	12,206.04	11,839.74	43.83	43.72	-82.50	-356.00	896.42	1,567.90	1,507.72	60.18	26.054	
12,427.50	12,045.97	12,209.54	11,839.82	43.84	43.72	-82.50	-359.50	896.45	1,567.90	1,507.70	60.19	26.047	
12,500.00	12,046.91	12,281.52	11,841.21	44.00	43.90	-82.52	-431.46	897.15	1,567.91	1,507.43	60.48	25.925	
12,600.00	12,048.22	12,381.51	11,843.12	44.29	44.20	-82.54	-531.44	898.13	1,567.93	1,506.99	60.94	25.728	
12,700.00	12,049.52	12,481.51	11,845.04	44.65	44.56	-82.57	-631.41	899.11	1,567.95	1,506.46	61.49	25.499	
12,800.00	12,050.82	12,581.51	11,846.96	45.08	44.99	-82.59	-731.39	900.08	1,567.97	1,505.85	62.12	25.240	
12,900.00	12,052.12	12,681.51	11,848.88	45.57	45.49	-82.61	-831.36	901.06	1,567.99	1,505.16	62.83	24.955	
13,000.00	12,053.42	12,781.51	11,850.79	46.12	46.03	-82.63	-931.34	902.03	1,568.01	1,504.39	63.62	24.647	
13,100.00	12,054.72	12,881.50	11,852.71	46.72	46.64	-82.66	-1,031.31	903.01	1,568.03	1,503.55	64.48	24.318	
13,200.00	12,056.02	12,981.50	11,854.63	47.37	47.29	-82.68	-1,131.29	903.99	1,568.05	1,502.64	65.41	23.972	
13,300.00	12,057.32	13,081.50	11,856.55	48.07	47.99	-82.70	-1,231.26	904.96	1,568.07	1,501.66	66.41	23.611	
13,400.00	12,058.62	13,181.50	11,858.46	48.81	48.74	-82.73	-1,331.24	905.94	1,568.09	1,500.62	67.48	23.238	
13,500.00	12,059.92	13,281.50	11,860.38	49.60	49.53	-82.75	-1,431.21	906.91	1,568.12	1,499.51	68.61	22.857	
13,600.00	12,061.22	13,381.49	11,862.30	50.43	50.37	-82.77	-1,531.19	907.89	1,568.14	1,498.34	69.79	22.468	
13,700.00	12,062.52	13,481.49	11,864.22	51.30	51.24	-82.79	-1,631.16	908.87	1,568.16	1,497.12	71.04	22.075	
13,800.00	12,063.82	13,581.49	11,866.13	52.21	52.15	-82.82	-1,731.14	909.84	1,568.18	1,495.85	72.33	21.680	
13,900.00	12,065.12	13,681.49	11,868.05	53.16	53.10	-82.84	-1,831.11	910.82	1,568.21	1,494.52	73.68	21.284	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 603H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,066.42	13,781.49	11,869.97	54.13	54.08	-82.86	-1,931.09	911.79	1,568.23	1,493.15	75.08	20.888	
14,100.00	12,067.73	13,881.48	11,871.89	55.14	55.10	-82.88	-2,031.06	912.77	1,568.25	1,491.74	76.52	20.495	
14,200.00	12,069.03	13,981.48	11,873.80	56.18	56.14	-82.91	-2,131.04	913.75	1,568.28	1,490.28	78.00	20.106	
14,300.00	12,070.33	14,081.48	11,875.72	57.25	57.21	-82.93	-2,231.01	914.72	1,568.30	1,488.78	79.52	19.721	
14,400.00	12,071.63	14,181.48	11,877.64	58.35	58.31	-82.95	-2,330.99	915.70	1,568.32	1,487.24	81.09	19.341	
14,500.00	12,072.93	14,281.48	11,879.56	59.47	59.44	-82.98	-2,430.96	916.67	1,568.35	1,485.66	82.68	18.968	
14,600.00	12,074.23	14,381.47	11,881.47	60.61	60.59	-83.00	-2,530.94	917.65	1,568.37	1,484.06	84.32	18.601	
14,700.00	12,075.53	14,481.47	11,883.39	61.78	61.76	-83.02	-2,630.91	918.63	1,568.40	1,482.42	85.98	18.241	
14,800.00	12,076.83	14,581.47	11,885.31	62.97	62.95	-83.04	-2,730.89	919.60	1,568.42	1,480.75	87.67	17.889	
14,900.00	12,078.13	14,681.47	11,887.23	64.18	64.17	-83.07	-2,830.86	920.58	1,568.45	1,479.05	89.40	17.545	
15,000.00	12,079.43	14,781.47	11,889.14	65.41	65.40	-83.09	-2,930.83	921.55	1,568.47	1,477.33	91.15	17.208	
15,100.00	12,080.73	14,881.47	11,891.06	66.66	66.65	-83.11	-3,030.81	922.53	1,568.50	1,475.58	92.92	16.880	
15,200.00	12,082.03	14,981.46	11,892.98	67.93	67.92	-83.14	-3,130.78	923.51	1,568.53	1,473.81	94.72	16.560	
15,300.00	12,083.33	15,081.46	11,894.90	69.21	69.20	-83.16	-3,230.76	924.48	1,568.55	1,472.01	96.54	16.248	
15,400.00	12,084.63	15,181.46	11,896.81	70.50	70.50	-83.18	-3,330.73	925.46	1,568.58	1,470.20	98.38	15.944	
15,500.00	12,085.94	15,281.46	11,898.73	71.82	71.82	-83.20	-3,430.71	926.43	1,568.61	1,468.36	100.25	15.647	
15,600.00	12,087.24	15,381.46	11,900.65	73.14	73.14	-83.23	-3,530.68	927.41	1,568.63	1,466.50	102.13	15.359	
15,700.00	12,088.54	15,481.45	11,902.57	74.48	74.49	-83.25	-3,630.66	928.39	1,568.66	1,464.63	104.03	15.079	
15,800.00	12,089.84	15,581.45	11,904.48	75.83	75.84	-83.27	-3,730.63	929.36	1,568.69	1,462.74	105.95	14.806	
15,900.00	12,091.14	15,681.45	11,906.40	77.19	77.20	-83.30	-3,830.61	930.34	1,568.72	1,460.84	107.88	14.541	
16,000.00	12,092.44	15,781.45	11,908.32	78.57	78.58	-83.32	-3,930.58	931.31	1,568.74	1,458.91	109.83	14.283	
16,100.00	12,093.74	15,881.45	11,910.24	79.95	79.97	-83.34	-4,030.56	932.29	1,568.77	1,456.98	111.79	14.033	
16,200.00	12,095.04	15,981.44	11,912.15	81.34	81.36	-83.36	-4,130.53	933.27	1,568.80	1,455.03	113.77	13.789	
16,300.00	12,096.34	16,081.44	11,914.07	82.75	82.77	-83.39	-4,230.51	934.24	1,568.83	1,453.07	115.76	13.553	
16,400.00	12,097.64	16,181.44	11,915.99	84.16	84.18	-83.41	-4,330.48	935.22	1,568.86	1,451.10	117.76	13.322	
16,500.00	12,098.94	16,281.44	11,917.91	85.58	85.61	-83.43	-4,430.46	936.19	1,568.89	1,449.11	119.78	13.098	
16,600.00	12,100.24	16,381.44	11,919.82	87.01	87.04	-83.46	-4,530.43	937.17	1,568.92	1,447.11	121.80	12.881	
16,700.00	12,101.54	16,481.43	11,921.74	88.45	88.48	-83.48	-4,630.41	938.14	1,568.95	1,445.11	123.84	12.669	
16,800.00	12,102.84	16,581.43	11,923.66	89.89	89.92	-83.50	-4,730.38	939.12	1,568.98	1,443.09	125.89	12.463	
16,900.00	12,104.15	16,681.43	11,925.58	91.34	91.38	-83.52	-4,830.36	940.10	1,569.01	1,441.06	127.94	12.263	
17,000.00	12,105.45	16,781.43	11,927.49	92.80	92.84	-83.55	-4,930.33	941.07	1,569.04	1,439.03	130.01	12.069	
17,100.00	12,106.75	16,881.43	11,929.41	94.26	94.30	-83.57	-5,030.31	942.05	1,569.07	1,436.98	132.08	11.879	
17,200.00	12,108.05	16,981.42	11,931.33	95.74	95.77	-83.59	-5,130.28	943.02	1,569.10	1,434.93	134.17	11.695	
17,300.00	12,109.35	17,081.42	11,933.25	97.21	97.25	-83.61	-5,230.26	944.00	1,569.13	1,432.87	136.26	11.516	
17,400.00	12,110.65	17,181.42	11,935.16	98.69	98.74	-83.64	-5,330.23	944.98	1,569.16	1,430.80	138.36	11.341	
17,500.00	12,111.95	17,281.42	11,937.08	100.18	100.23	-83.66	-5,430.21	945.95	1,569.19	1,428.73	140.46	11.171	
17,600.00	12,113.25	17,381.42	11,939.00	101.67	101.72	-83.68	-5,530.18	946.93	1,569.23	1,426.65	142.58	11.006	
17,700.00	12,114.55	17,481.41	11,940.92	103.17	103.22	-83.71	-5,630.16	947.90	1,569.26	1,424.56	144.70	10.845	
17,800.00	12,115.85	17,581.41	11,942.83	104.67	104.72	-83.73	-5,730.13	948.88	1,569.29	1,422.47	146.82	10.688	
17,900.00	12,117.15	17,681.41	11,944.75	106.18	106.23	-83.75	-5,830.11	949.86	1,569.32	1,420.37	148.96	10.535	
18,000.00	12,118.45	17,781.41	11,946.67	107.69	107.74	-83.77	-5,930.08	950.83	1,569.36	1,418.26	151.10	10.386	
18,100.00	12,119.75	17,881.41	11,948.59	109.20	109.26	-83.80	-6,030.06	951.81	1,569.39	1,416.15	153.24	10.241	
18,200.00	12,121.05	17,981.40	11,950.50	110.72	110.78	-83.82	-6,130.03	952.78	1,569.42	1,414.03	155.39	10.100	
18,300.00	12,122.36	18,081.40	11,952.42	112.25	112.30	-83.84	-6,230.01	953.76	1,569.46	1,411.91	157.55	9.962	
18,400.00	12,123.66	18,181.40	11,954.34	113.77	113.83	-83.87	-6,329.98	954.74	1,569.49	1,409.79	159.71	9.827	
18,500.00	12,124.96	18,281.40	11,956.26	115.30	115.36	-83.89	-6,429.96	955.71	1,569.53	1,407.66	161.87	9.696	
18,600.00	12,126.26	18,381.40	11,958.17	116.83	116.89	-83.91	-6,529.93	956.69	1,569.56	1,405.52	164.04	9.568	
18,700.00	12,127.56	18,481.39	11,960.09	118.37	118.43	-83.93	-6,629.91	957.66	1,569.59	1,403.38	166.21	9.443	
18,800.00	12,128.86	18,581.39	11,962.01	119.91	119.97	-83.96	-6,729.88	958.64	1,569.63	1,401.24	168.39	9.321	
18,900.00	12,130.16	18,681.39	11,963.93	121.45	121.52	-83.98	-6,829.86	959.62	1,569.66	1,399.09	170.57	9.202	
19,000.00	12,131.46	18,781.39	11,965.84	123.00	123.06	-84.00	-6,929.83	960.59	1,569.70	1,396.94	172.76	9.086	
19,100.00	12,132.76	18,881.39	11,967.76	124.54	124.61	-84.02	-7,029.81	961.57	1,569.74	1,394.78	174.95	8.972	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 603H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	12,134.06	18,981.39	11,969.68	126.10	126.16	-84.05	-7,129.78	962.54	1,569.77	1,392.63	177.15	8.861	
19,300.00	12,135.36	19,081.38	11,971.60	127.65	127.72	-84.07	-7,229.76	963.52	1,569.81	1,390.46	179.34	8.753	
19,400.00	12,136.66	19,181.38	11,973.51	129.20	129.27	-84.09	-7,329.73	964.50	1,569.84	1,388.30	181.55	8.647	
19,500.00	12,137.96	19,281.38	11,975.43	130.76	130.83	-84.12	-7,429.71	965.47	1,569.88	1,386.13	183.75	8.544	
19,600.00	12,139.26	19,381.38	11,977.35	132.32	132.39	-84.14	-7,529.68	966.45	1,569.92	1,383.96	185.96	8.442	
19,700.00	12,140.57	19,481.38	11,979.27	133.88	133.96	-84.16	-7,629.66	967.42	1,569.96	1,381.79	188.17	8.343	
19,800.00	12,141.87	19,581.37	11,981.18	135.45	135.52	-84.18	-7,729.63	968.40	1,569.99	1,379.61	190.38	8.247	
19,900.00	12,143.17	19,681.37	11,983.10	137.02	137.09	-84.21	-7,829.60	969.38	1,570.03	1,377.43	192.60	8.152	
20,000.00	12,144.47	19,781.37	11,985.02	138.58	138.66	-84.23	-7,929.58	970.35	1,570.07	1,375.25	194.82	8.059	
20,100.00	12,145.77	19,881.37	11,986.94	140.15	140.23	-84.25	-8,029.55	971.33	1,570.11	1,373.07	197.04	7.968	
20,200.00	12,147.07	19,981.37	11,988.85	141.73	141.80	-84.28	-8,129.53	972.30	1,570.15	1,370.88	199.26	7.880	
20,300.00	12,148.37	20,081.36	11,990.77	143.30	143.38	-84.30	-8,229.50	973.28	1,570.18	1,368.69	201.49	7.793	
20,400.00	12,149.67	20,181.36	11,992.69	144.88	144.96	-84.32	-8,329.48	974.26	1,570.22	1,366.50	203.72	7.708	
20,500.00	12,150.97	20,281.36	11,994.61	146.45	146.53	-84.34	-8,429.45	975.23	1,570.26	1,364.31	205.95	7.624	
20,600.00	12,152.27	20,381.36	11,996.52	148.03	148.11	-84.37	-8,529.43	976.21	1,570.30	1,362.11	208.19	7.543	
20,700.00	12,153.57	20,481.36	11,998.44	149.61	149.70	-84.39	-8,629.40	977.18	1,570.34	1,359.92	210.43	7.463	
20,800.00	12,154.87	20,581.35	12,000.36	151.20	151.28	-84.41	-8,729.38	978.16	1,570.38	1,357.72	212.66	7.384	
20,900.00	12,156.17	20,681.35	12,002.28	152.78	152.86	-84.43	-8,829.35	979.14	1,570.42	1,355.52	214.91	7.307	
21,000.00	12,157.47	20,781.35	12,004.19	154.37	154.45	-84.46	-8,929.33	980.11	1,570.46	1,353.31	217.15	7.232	
21,100.00	12,158.77	20,881.35	12,006.11	155.95	156.04	-84.48	-9,029.30	981.09	1,570.50	1,351.11	219.39	7.158	
21,200.00	12,160.08	20,981.35	12,008.03	157.54	157.63	-84.50	-9,129.28	982.06	1,570.54	1,348.90	221.64	7.086	
21,300.00	12,161.38	21,081.34	12,009.95	159.13	159.22	-84.53	-9,229.25	983.04	1,570.58	1,346.69	223.89	7.015	
21,400.00	12,162.68	21,181.34	12,011.86	160.72	160.81	-84.55	-9,329.23	984.02	1,570.63	1,344.49	226.14	6.945	
21,500.00	12,163.98	21,281.34	12,013.78	162.31	162.40	-84.57	-9,429.20	984.99	1,570.67	1,342.27	228.39	6.877	
21,600.00	12,165.28	21,381.34	12,015.70	163.90	163.99	-84.59	-9,529.18	985.97	1,570.71	1,340.06	230.65	6.810	
21,700.00	12,166.58	21,481.34	12,017.62	165.50	165.59	-84.62	-9,629.15	986.94	1,570.75	1,337.85	232.90	6.744	
21,800.00	12,167.88	21,581.33	12,019.53	167.09	167.18	-84.64	-9,729.13	987.92	1,570.79	1,335.63	235.16	6.680	
21,900.00	12,169.18	21,681.33	12,021.45	168.69	168.78	-84.66	-9,829.10	988.90	1,570.84	1,333.42	237.42	6.616	
22,000.00	12,170.48	21,781.33	12,023.37	170.29	170.38	-84.68	-9,929.08	989.87	1,570.88	1,331.20	239.68	6.554	
22,100.00	12,171.78	21,881.33	12,025.29	171.89	171.98	-84.71	-10,029.05	990.85	1,570.92	1,328.98	241.94	6.493	
22,200.00	12,173.08	21,981.33	12,027.20	173.49	173.58	-84.73	-10,129.03	991.82	1,570.97	1,326.76	244.21	6.433	
22,300.00	12,174.38	22,081.32	12,029.12	175.09	175.18	-84.75	-10,229.00	992.80	1,571.01	1,324.54	246.47	6.374	
22,400.00	12,175.68	22,181.32	12,031.04	176.69	176.78	-84.78	-10,328.98	993.78	1,571.05	1,322.31	248.74	6.316	
22,500.00	12,176.98	22,281.32	12,032.96	178.29	178.39	-84.80	-10,428.95	994.75	1,571.10	1,320.09	251.01	6.259	
22,600.00	12,178.29	22,381.32	12,034.87	179.89	179.99	-84.82	-10,528.93	995.73	1,571.14	1,317.87	253.28	6.203	
22,700.00	12,179.59	22,481.32	12,036.79	181.50	181.59	-84.84	-10,628.90	996.70	1,571.19	1,315.64	255.55	6.148	
22,800.00	12,180.89	22,581.31	12,038.71	183.10	183.20	-84.87	-10,728.88	997.68	1,571.23	1,313.41	257.82	6.094	
22,900.00	12,182.19	22,681.31	12,040.63	184.71	184.81	-84.89	-10,828.85	998.66	1,571.28	1,311.19	260.09	6.041	
23,000.00	12,183.49	22,781.31	12,042.54	186.31	186.41	-84.91	-10,928.83	999.63	1,571.32	1,308.96	262.37	5.989	
23,100.00	12,184.79	22,881.31	12,044.46	187.92	188.02	-84.93	-11,028.80	1,000.61	1,571.37	1,306.73	264.64	5.938	
23,200.00	12,186.09	22,981.31	12,046.38	189.53	189.63	-84.96	-11,128.78	1,001.58	1,571.41	1,304.50	266.92	5.887	
23,300.00	12,187.39	23,081.31	12,048.30	191.14	191.24	-84.98	-11,228.75	1,002.56	1,571.46	1,302.27	269.20	5.838	
23,400.00	12,188.69	23,181.30	12,050.21	192.75	192.85	-85.00	-11,328.73	1,003.54	1,571.51	1,300.03	271.47	5.789	
23,500.00	12,189.99	23,281.30	12,052.13	194.36	194.46	-85.03	-11,428.70	1,004.51	1,571.55	1,297.80	273.75	5.741	
23,600.00	12,191.29	23,381.30	12,054.05	195.97	196.07	-85.05	-11,528.68	1,005.49	1,571.60	1,295.57	276.03	5.693	
23,700.00	12,192.59	23,481.30	12,055.97	197.58	197.69	-85.07	-11,628.65	1,006.46	1,571.65	1,293.33	278.32	5.647	
23,800.00	12,193.89	23,581.30	12,057.88	199.20	199.30	-85.09	-11,728.63	1,007.44	1,571.70	1,291.10	280.60	5.601	
23,900.00	12,195.19	23,681.29	12,059.80	200.81	200.91	-85.12	-11,828.60	1,008.41	1,571.74	1,288.86	282.88	5.556	
24,000.00	12,196.50	23,781.29	12,061.72	202.42	202.53	-85.14	-11,928.58	1,009.39	1,571.79	1,286.62	285.17	5.512	
24,100.00	12,197.80	23,881.29	12,063.64	204.04	204.00	-85.16	-12,028.55	1,010.37	1,571.84	1,284.49	287.35	5.470	
24,110.32	12,197.93	23,888.78	12,063.78	204.20	204.11	-85.16	-12,036.04	1,010.44	1,571.85	1,284.30	287.54	5.466	
24,111.10	12,197.94	23,888.78	12,063.78	204.22	204.11	-85.16	-12,036.04	1,010.44	1,571.85	1,284.30	287.55	5.466	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 703H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	89.46	0.66	69.98	69.99				
100.00	100.00	98.80	98.80	0.14	0.14	89.46	0.66	69.98	69.98	69.78	0.20	351.586	
200.00	200.00	198.80	198.80	0.50	0.50	89.46	0.66	69.98	69.98	69.28	0.70	99.384	
300.00	300.00	298.80	298.80	0.86	0.85	89.46	0.66	69.98	69.98	68.77	1.21	57.784	
400.00	400.00	398.80	398.80	1.22	1.21	89.46	0.66	69.98	69.98	68.27	1.72	40.733	
500.00	500.00	498.80	498.80	1.58	1.57	89.46	0.66	69.98	69.98	67.76	2.23	31.453	
600.00	600.00	598.80	598.80	1.93	1.93	89.46	0.66	69.98	69.98	67.25	2.73	25.616	
700.00	700.00	698.80	698.80	2.29	2.29	89.46	0.66	69.98	69.98	66.74	3.24	21.607	
800.00	800.00	798.80	798.80	2.65	2.65	89.46	0.66	69.98	69.98	66.24	3.75	18.683	
900.00	900.00	898.80	898.80	3.01	3.01	89.46	0.66	69.98	69.98	65.73	4.25	16.456	
1,000.00	1,000.00	998.80	998.80	3.37	3.36	89.46	0.66	69.98	69.98	65.22	4.76	14.703	
1,100.00	1,100.00	1,098.80	1,098.80	3.73	3.72	89.46	0.66	69.98	69.98	64.72	5.27	13.288	
1,200.00	1,200.00	1,198.80	1,198.80	4.08	4.08	89.46	0.66	69.98	69.98	64.21	5.77	12.121	
1,300.00	1,300.00	1,298.80	1,298.80	4.44	4.44	89.46	0.66	69.98	69.98	63.70	6.28	11.143	
1,400.00	1,400.00	1,398.80	1,398.80	4.80	4.80	89.46	0.66	69.98	69.98	63.20	6.79	10.310	
1,500.00	1,500.00	1,498.80	1,498.80	5.16	5.16	89.46	0.66	69.98	69.98	62.69	7.29	9.594	
1,600.00	1,600.00	1,598.80	1,598.80	5.52	5.51	89.46	0.66	69.98	69.98	62.18	7.80	8.970	
1,700.00	1,700.00	1,698.80	1,698.80	5.88	5.87	89.46	0.66	69.98	69.98	61.67	8.31	8.423	
1,800.00	1,800.00	1,798.80	1,798.80	6.24	6.23	89.46	0.66	69.98	69.98	61.17	8.82	7.939	
1,900.00	1,900.00	1,898.80	1,898.80	6.59	6.59	89.46	0.66	69.98	69.98	60.66	9.32	7.507	
2,000.00	2,000.00	1,998.80	1,998.80	6.95	6.95	89.46	0.66	69.98	69.98	60.15	9.83	7.120	
2,100.00	2,100.00	2,098.80	2,098.80	7.31	7.31	89.46	0.66	69.98	69.98	59.65	10.34	6.771	
2,200.00	2,200.00	2,198.80	2,198.80	7.67	7.67	89.46	0.66	69.98	69.98	59.14	10.84	6.454	
2,300.00	2,300.00	2,298.80	2,298.80	8.03	8.02	89.46	0.66	69.98	69.98	58.63	11.35	6.166	
2,400.00	2,400.00	2,398.80	2,398.80	8.39	8.38	89.46	0.66	69.98	69.98	58.13	11.86	5.902	
2,500.00	2,500.00	2,498.80	2,498.80	8.74	8.74	89.46	0.66	69.98	69.98	57.62	12.36	5.660	
2,600.00	2,600.00	2,598.80	2,598.80	9.10	9.10	89.46	0.66	69.98	69.98	57.11	12.87	5.437	
2,700.00	2,700.00	2,698.80	2,698.80	9.46	9.46	89.46	0.66	69.98	69.98	56.61	13.38	5.231	
2,800.00	2,800.00	2,798.80	2,798.80	9.82	9.82	89.46	0.66	69.98	69.98	56.10	13.88	5.040	
2,900.00	2,900.00	2,898.80	2,898.80	10.18	10.17	89.46	0.66	69.98	69.98	55.59	14.39	4.863	
3,000.00	3,000.00	2,998.80	2,998.80	10.54	10.53	89.46	0.66	69.98	69.98	55.08	14.90	4.697	
3,100.00	3,100.00	3,098.80	3,098.80	10.90	10.89	89.46	0.66	69.98	69.98	54.58	15.41	4.543	
3,200.00	3,200.00	3,198.80	3,198.80	11.25	11.25	89.46	0.66	69.98	69.98	54.07	15.91	4.398	
3,300.00	3,300.00	3,298.80	3,298.80	11.61	11.61	89.46	0.66	69.98	69.98	53.56	16.42	4.262	
3,400.00	3,400.00	3,398.80	3,398.80	11.97	11.97	89.46	0.66	69.98	69.98	53.06	16.93	4.134	
3,500.00	3,500.00	3,498.80	3,498.80	12.33	12.33	89.46	0.66	69.98	69.98	52.55	17.43	4.014	
3,600.00	3,600.00	3,598.80	3,598.80	12.69	12.68	89.46	0.66	69.98	69.98	52.04	17.94	3.901	
3,700.00	3,700.00	3,698.80	3,698.80	13.05	13.04	89.46	0.66	69.98	69.98	51.54	18.45	3.794	
3,800.00	3,800.00	3,798.80	3,798.80	13.41	13.40	89.46	0.66	69.98	69.98	51.03	18.95	3.692	
3,900.00	3,900.00	3,898.80	3,898.80	13.76	13.76	89.46	0.66	69.98	69.98	50.52	19.46	3.596	
4,000.00	4,000.00	3,998.80	3,998.80	14.12	14.12	89.46	0.66	69.98	69.98	50.01	19.97	3.505	
4,100.00	4,100.00	4,098.80	4,098.80	14.48	14.48	89.46	0.66	69.98	69.98	49.51	20.48	3.418	
4,200.00	4,200.00	4,198.80	4,198.80	14.84	14.83	89.46	0.66	69.98	69.98	49.00	20.98	3.335	
4,300.00	4,300.00	4,298.80	4,298.80	15.20	15.19	89.46	0.66	69.98	69.98	48.49	21.49	3.257	
4,400.00	4,400.00	4,398.80	4,398.80	15.56	15.55	89.46	0.66	69.98	69.98	47.99	22.00	3.182	
4,500.00	4,500.00	4,498.80	4,498.80	15.91	15.91	89.46	0.66	69.98	69.98	47.48	22.50	3.110	
4,550.00	4,550.00	4,548.80	4,548.80	16.09	16.09	89.46	0.66	69.98	69.98	47.23	22.76	3.075	CC, ES
4,600.00	4,600.00	4,598.80	4,598.80	16.27	16.27	162.75	0.66	69.98	70.30	47.29	23.01	3.055	SF
4,700.00	4,699.96	4,698.76	4,698.76	16.62	16.63	163.35	0.66	69.98	72.80	49.29	23.51	3.097	
4,800.00	4,799.82	4,798.62	4,798.62	16.96	16.98	164.43	0.66	69.98	77.83	53.83	24.00	3.242	
4,900.00	4,899.51	4,898.31	4,898.31	17.31	17.34	165.82	0.66	69.98	85.41	60.91	24.50	3.486	
5,000.00	4,998.96	4,997.76	4,997.76	17.66	17.70	167.32	0.66	69.98	95.58	70.59	25.00	3.824	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 703H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.10	5,096.90	5,096.90	18.02	18.05	168.80	0.66	69.98	108.36	82.87	25.49	4.251	
5,200.00	5,196.87	5,195.67	5,195.67	18.38	18.41	170.16	0.66	69.98	123.75	97.76	25.98	4.763	
5,216.82	5,213.44	5,212.24	5,212.24	18.44	18.47	170.38	0.66	69.98	126.59	100.53	26.07	4.856	
5,300.00	5,295.35	5,294.15	5,294.15	18.74	18.76	171.36	0.66	69.98	140.86	114.39	26.48	5.320	
5,400.00	5,393.83	5,392.63	5,392.63	19.11	19.11	172.31	0.66	69.98	158.06	131.09	26.97	5.861	
5,500.00	5,492.31	5,491.11	5,491.11	19.48	19.47	173.07	0.66	69.98	175.29	147.83	27.46	6.383	
5,600.00	5,590.79	5,586.71	5,586.70	19.85	19.81	173.45	1.27	70.75	193.22	165.28	27.94	6.916	
5,700.00	5,689.27	5,681.45	5,681.38	20.23	20.14	173.28	3.33	73.36	212.76	184.36	28.40	7.491	
5,800.00	5,787.75	5,775.49	5,775.26	20.61	20.47	172.70	6.82	77.77	233.91	205.06	28.86	8.106	
5,900.00	5,886.23	5,868.74	5,868.17	20.99	20.80	171.83	11.69	83.93	256.71	227.41	29.30	8.761	
6,000.00	5,984.71	5,961.09	5,959.97	21.38	21.13	170.77	17.90	91.79	281.20	251.46	29.73	9.457	
6,100.00	6,083.19	6,053.55	6,051.62	21.77	21.46	169.57	25.46	101.35	307.38	277.21	30.17	10.189	
6,200.00	6,181.67	6,149.69	6,146.83	22.16	21.80	168.42	33.75	111.84	334.19	303.54	30.65	10.905	
6,300.00	6,280.15	6,245.83	6,242.04	22.55	22.15	167.45	42.04	122.33	361.10	329.97	31.13	11.600	
6,400.00	6,378.63	6,341.97	6,337.24	22.95	22.49	166.61	50.34	132.82	388.10	356.49	31.61	12.277	
6,500.00	6,477.11	6,438.11	6,432.45	23.34	22.84	165.88	58.63	143.31	415.16	383.07	32.10	12.934	
6,600.00	6,575.59	6,534.26	6,527.66	23.75	23.19	165.23	66.92	153.80	442.29	409.70	32.59	13.573	
6,700.00	6,674.07	6,630.40	6,622.86	24.15	23.55	164.67	75.21	164.29	469.45	436.38	33.08	14.193	
6,800.00	6,772.56	6,726.54	6,718.07	24.55	23.90	164.16	83.51	174.78	496.66	463.09	33.57	14.796	
6,900.00	6,871.04	6,822.68	6,813.27	24.96	24.26	163.71	91.80	185.27	523.89	489.83	34.06	15.382	
7,000.00	6,969.52	6,918.82	6,908.48	25.36	24.61	163.30	100.09	195.76	551.16	516.60	34.55	15.951	
7,100.00	7,068.00	7,014.96	7,003.69	25.77	24.97	162.93	108.39	206.25	578.44	543.40	35.05	16.505	
7,200.00	7,166.48	7,111.10	7,098.89	26.18	25.33	162.60	116.68	216.74	605.75	570.21	35.54	17.043	
7,300.00	7,264.96	7,207.24	7,194.10	26.59	25.69	162.29	124.97	227.23	633.08	597.04	36.04	17.566	
7,400.00	7,363.44	7,303.38	7,289.31	27.01	26.05	162.01	133.26	237.72	660.42	623.88	36.54	18.075	
7,500.00	7,461.92	7,399.53	7,384.51	27.42	26.42	161.75	141.56	248.21	687.77	650.73	37.04	18.570	
7,600.00	7,560.40	7,495.67	7,479.72	27.84	26.78	161.51	149.85	258.70	715.14	677.60	37.54	19.051	
7,700.00	7,658.88	7,591.81	7,574.93	28.25	27.15	161.28	158.14	269.19	742.52	704.48	38.04	19.520	
7,800.00	7,757.36	7,687.95	7,670.13	28.67	27.51	161.08	166.43	279.69	769.90	731.36	38.54	19.976	
7,900.00	7,855.84	7,784.09	7,765.34	29.09	27.88	160.89	174.73	290.18	797.30	758.25	39.04	20.421	
8,000.00	7,954.32	7,893.40	7,873.68	29.51	28.30	160.71	183.70	301.52	824.20	784.56	39.64	20.791	
8,100.00	8,052.80	8,011.11	7,990.75	29.93	28.74	160.68	191.30	311.14	848.87	808.58	40.28	21.072	
8,200.00	8,151.28	8,130.23	8,109.55	30.36	29.18	160.79	196.71	317.99	871.10	830.19	40.91	21.294	
8,300.00	8,249.76	8,250.55	8,229.76	30.78	29.61	161.05	199.84	321.95	890.88	849.36	41.51	21.460	
8,400.00	8,348.24	8,367.84	8,347.04	31.20	30.03	161.42	200.66	322.98	908.21	866.12	42.08	21.581	
8,500.00	8,446.72	8,466.32	8,445.52	31.63	30.38	161.76	200.66	322.98	924.71	882.12	42.59	21.712	
8,535.38	8,481.56	8,501.16	8,480.36	31.78	30.50	161.88	200.66	322.98	930.56	887.79	42.77	21.758	
8,600.00	8,545.29	8,564.89	8,544.09	32.05	30.72	162.13	200.66	322.98	940.74	897.64	43.10	21.829	
8,700.00	8,644.24	8,663.85	8,643.04	32.46	31.07	162.46	200.66	322.98	954.47	910.87	43.60	21.891	
8,800.00	8,743.54	8,763.14	8,742.34	32.86	31.42	162.72	200.66	322.98	965.75	921.64	44.11	21.896	
8,900.00	8,843.11	8,862.72	8,841.91	33.24	31.78	162.92	200.66	322.98	974.55	929.94	44.61	21.846	
9,000.00	8,942.89	8,962.50	8,941.69	33.61	32.13	163.06	200.66	322.98	980.86	935.75	45.11	21.742	
9,100.00	9,042.81	9,062.41	9,041.61	33.96	32.48	163.15	200.66	322.98	984.67	939.06	45.61	21.587	
9,202.20	9,145.00	9,164.61	9,143.80	34.31	32.84	89.96	200.66	322.98	985.98	939.86	46.12	21.377	
9,300.00	9,242.80	9,262.40	9,241.60	34.64	33.19	89.96	200.66	322.98	985.98	939.37	46.61	21.153	
9,400.00	9,342.80	9,362.40	9,341.60	34.98	33.54	89.96	200.66	322.98	985.98	938.87	47.11	20.930	
9,500.00	9,442.80	9,462.40	9,441.60	35.32	33.90	89.96	200.66	322.98	985.98	938.37	47.61	20.711	
9,600.00	9,542.80	9,562.40	9,541.60	35.65	34.25	89.96	200.66	322.98	985.98	937.87	48.11	20.496	
9,700.00	9,642.80	9,662.40	9,641.60	35.99	34.60	89.96	200.66	322.98	985.98	937.38	48.60	20.286	
9,800.00	9,742.80	9,762.40	9,741.60	36.33	34.96	89.96	200.66	322.98	985.98	936.88	49.10	20.080	
9,900.00	9,842.80	9,862.40	9,841.60	36.67	35.31	89.96	200.66	322.98	985.98	936.38	49.60	19.878	
10,000.00	9,942.80	9,962.40	9,941.60	37.01	35.67	89.96	200.66	322.98	985.98	935.88	50.10	19.680	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 703H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,042.80	10,062.40	10,041.60	37.35	36.02	89.96	200.66	322.98	985.98	935.38	50.60	19.485	
10,200.00	10,142.80	10,162.40	10,141.60	37.69	36.38	89.96	200.66	322.98	985.98	934.88	51.10	19.295	
10,300.00	10,242.80	10,262.40	10,241.60	38.03	36.73	89.96	200.66	322.98	985.98	934.38	51.60	19.108	
10,400.00	10,342.80	10,362.40	10,341.60	38.37	37.08	89.96	200.66	322.98	985.98	933.88	52.10	18.925	
10,500.00	10,442.80	10,462.40	10,441.60	38.71	37.44	89.96	200.66	322.98	985.98	933.38	52.60	18.745	
10,600.00	10,542.80	10,562.40	10,541.60	39.05	37.79	89.96	200.66	322.98	985.98	932.88	53.10	18.568	
10,700.00	10,642.80	10,662.40	10,641.60	39.39	38.15	89.96	200.66	322.98	985.98	932.38	53.60	18.395	
10,800.00	10,742.80	10,762.40	10,741.60	39.73	38.50	89.96	200.66	322.98	985.98	931.88	54.10	18.225	
10,900.00	10,842.80	10,862.40	10,841.60	40.07	38.86	89.96	200.66	322.98	985.98	931.38	54.60	18.058	
11,000.00	10,942.80	10,962.40	10,941.60	40.42	39.21	89.96	200.66	322.98	985.98	930.88	55.10	17.894	
11,100.00	11,042.80	11,062.40	11,041.60	40.76	39.57	89.96	200.66	322.98	985.98	930.38	55.60	17.733	
11,200.00	11,142.80	11,162.40	11,141.60	41.10	39.92	89.96	200.66	322.98	985.98	929.88	56.10	17.575	
11,300.00	11,242.80	11,262.40	11,241.60	41.45	40.28	89.96	200.66	322.98	985.98	929.38	56.60	17.419	
11,400.00	11,342.80	11,362.40	11,341.60	41.79	40.63	89.96	200.66	322.98	985.98	928.88	57.10	17.266	
11,500.00	11,442.80	11,462.40	11,441.60	42.13	40.99	89.96	200.66	322.98	985.98	928.37	57.61	17.116	
11,530.20	11,473.00	11,492.61	11,471.80	42.24	41.10	89.96	200.66	322.98	985.98	928.22	57.76	17.071	
11,550.00	11,492.79	11,512.40	11,491.59	42.30	41.17	-89.56	200.66	322.98	985.98	928.12	57.85	17.042	
11,600.00	11,542.62	11,562.23	11,541.42	42.45	41.34	-89.79	200.66	322.98	985.96	927.86	58.09	16.972	
11,625.92	11,568.27	11,587.87	11,567.07	42.53	41.43	-90.00	200.66	322.98	985.95	927.73	58.21	16.937	
11,650.00	11,591.93	11,611.53	11,590.73	42.60	41.52	-90.26	200.66	322.98	985.96	927.63	58.33	16.904	
11,700.00	11,640.32	11,661.23	11,640.37	42.74	41.68	-90.86	198.70	323.00	986.06	927.52	58.55	16.842	
11,750.00	11,687.45	11,711.90	11,690.61	42.87	41.84	-91.46	192.28	323.05	986.28	927.52	58.76	16.786	
11,800.00	11,732.94	11,763.57	11,741.07	42.99	41.99	-92.05	181.20	323.15	986.61	927.65	58.96	16.734	
11,850.00	11,776.45	11,816.31	11,791.31	43.10	42.14	-92.64	165.25	323.29	987.04	927.89	59.15	16.686	
11,900.00	11,817.65	11,870.13	11,840.86	43.20	42.27	-93.21	144.28	323.48	987.56	928.23	59.34	16.643	
11,950.00	11,856.23	11,925.07	11,889.17	43.28	42.40	-93.77	118.18	323.70	988.16	928.65	59.51	16.605	
12,000.00	11,891.90	11,981.14	11,935.68	43.36	42.52	-94.29	86.89	323.98	988.82	929.15	59.67	16.571	
12,050.00	11,924.37	12,038.34	11,979.74	43.42	42.62	-94.79	50.45	324.30	989.51	929.68	59.83	16.540	
12,100.00	11,953.41	12,096.64	12,020.68	43.47	42.71	-95.26	8.98	324.66	990.21	930.24	59.97	16.511	
12,150.00	11,978.80	12,156.01	12,057.83	43.52	42.78	-95.68	-37.30	325.07	990.90	930.79	60.11	16.484	
12,200.00	12,000.33	12,216.37	12,090.47	43.56	42.84	-96.05	-88.03	325.52	991.56	931.30	60.25	16.456	
12,250.00	12,017.85	12,277.62	12,117.96	43.61	42.97	-96.37	-142.73	326.00	992.14	931.74	60.40	16.427	
12,300.00	12,031.23	12,339.65	12,139.69	43.66	43.12	-96.63	-200.79	326.51	992.64	932.09	60.55	16.394	
12,350.00	12,040.35	12,402.29	12,155.14	43.72	43.27	-96.83	-261.47	327.04	993.03	932.31	60.72	16.355	
12,400.00	12,045.16	12,465.40	12,163.91	43.79	43.43	-96.96	-323.93	327.59	993.29	932.39	60.90	16.311	
12,422.75	12,045.91	12,494.21	12,165.62	43.83	43.50	-96.99	-352.68	327.84	993.36	932.38	60.98	16.289	
12,500.00	12,046.91	12,574.00	12,166.80	44.00	43.73	-97.00	-432.47	328.54	993.38	932.09	61.28	16.210	
12,600.00	12,048.22	12,674.00	12,168.12	44.29	44.05	-97.00	-532.45	329.42	993.38	931.65	61.74	16.091	
12,700.00	12,049.52	12,774.00	12,169.43	44.65	44.43	-97.00	-632.44	330.30	993.39	931.11	62.27	15.952	
12,800.00	12,050.82	12,874.00	12,170.75	45.08	44.87	-97.00	-732.43	331.18	993.39	930.50	62.89	15.796	
12,900.00	12,052.12	12,974.00	12,172.07	45.57	45.37	-97.01	-832.42	332.06	993.40	929.81	63.59	15.623	
13,000.00	12,053.42	13,074.00	12,173.39	46.12	45.91	-97.01	-932.40	332.94	993.40	929.04	64.36	15.435	
13,100.00	12,054.72	13,174.00	12,174.70	46.72	46.51	-97.01	-1,032.39	333.81	993.41	928.20	65.21	15.235	
13,200.00	12,056.02	13,274.00	12,176.02	47.37	47.16	-97.01	-1,132.38	334.69	993.41	927.29	66.12	15.024	
13,300.00	12,057.32	13,374.00	12,177.34	48.07	47.85	-97.01	-1,232.37	335.57	993.42	926.31	67.11	14.803	
13,400.00	12,058.62	13,474.00	12,178.65	48.81	48.59	-97.01	-1,332.35	336.45	993.42	925.26	68.16	14.575	
13,500.00	12,059.92	13,574.00	12,179.97	49.60	49.38	-97.01	-1,432.34	337.33	993.43	924.16	69.27	14.341	
13,600.00	12,061.22	13,674.00	12,181.29	50.43	50.21	-97.01	-1,532.33	338.21	993.43	922.99	70.44	14.103	
13,700.00	12,062.52	13,774.00	12,182.60	51.30	51.07	-97.01	-1,632.31	339.09	993.44	921.77	71.67	13.862	
13,800.00	12,063.82	13,874.00	12,183.92	52.21	51.98	-97.01	-1,732.30	339.96	993.44	920.49	72.95	13.618	
13,900.00	12,065.12	13,974.00	12,185.24	53.16	52.92	-97.01	-1,832.29	340.84	993.45	919.17	74.28	13.374	
14,000.00	12,066.42	14,074.00	12,186.56	54.13	53.90	-97.02	-1,932.28	341.72	993.45	917.79	75.66	13.131	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 703H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,067.73	14,174.00	12,187.87	55.14	54.90	-97.02	-2,032.26	342.60	993.46	916.38	77.08	12.888	
14,200.00	12,069.03	14,274.00	12,189.19	56.18	55.94	-97.02	-2,132.25	343.48	993.46	914.91	78.55	12.648	
14,300.00	12,070.33	14,374.00	12,190.51	57.25	57.01	-97.02	-2,232.24	344.36	993.47	913.41	80.06	12.410	
14,400.00	12,071.63	14,474.00	12,191.82	58.35	58.10	-97.02	-2,332.23	345.24	993.47	911.87	81.60	12.175	
14,500.00	12,072.93	14,574.00	12,193.14	59.47	59.23	-97.02	-2,432.21	346.11	993.48	910.30	83.18	11.943	
14,600.00	12,074.23	14,674.00	12,194.46	60.61	60.37	-97.02	-2,532.20	346.99	993.48	908.69	84.80	11.716	
14,700.00	12,075.53	14,774.00	12,195.77	61.78	61.54	-97.02	-2,632.19	347.87	993.49	907.04	86.44	11.493	
14,800.00	12,076.83	14,874.00	12,197.09	62.97	62.73	-97.02	-2,732.18	348.75	993.49	905.37	88.12	11.274	
14,900.00	12,078.13	14,974.00	12,198.41	64.18	63.94	-97.02	-2,832.16	349.63	993.50	903.67	89.83	11.060	
15,000.00	12,079.43	15,074.00	12,199.73	65.41	65.17	-97.02	-2,932.15	350.51	993.50	901.94	91.56	10.851	
15,100.00	12,080.73	15,174.00	12,201.04	66.66	66.42	-97.03	-3,032.14	351.39	993.51	900.19	93.32	10.646	
15,200.00	12,082.03	15,274.00	12,202.36	67.93	67.68	-97.03	-3,132.13	352.26	993.51	898.41	95.11	10.446	
15,300.00	12,083.33	15,374.00	12,203.68	69.21	68.96	-97.03	-3,232.11	353.14	993.52	896.61	96.91	10.252	
15,400.00	12,084.63	15,474.00	12,204.99	70.50	70.26	-97.03	-3,332.10	354.02	993.52	894.78	98.74	10.062	
15,500.00	12,085.94	15,574.00	12,206.31	71.82	71.57	-97.03	-3,432.09	354.90	993.53	892.94	100.59	9.877	
15,600.00	12,087.24	15,674.00	12,207.63	73.14	72.90	-97.03	-3,532.08	355.78	993.53	891.08	102.45	9.697	
15,700.00	12,088.54	15,774.00	12,208.94	74.48	74.24	-97.03	-3,632.06	356.66	993.54	889.20	104.34	9.522	
15,800.00	12,089.84	15,874.00	12,210.26	75.83	75.59	-97.03	-3,732.05	357.54	993.54	887.30	106.24	9.352	
15,900.00	12,091.14	15,974.00	12,211.58	77.19	76.95	-97.03	-3,832.04	358.41	993.55	885.39	108.16	9.186	
16,000.00	12,092.44	16,074.00	12,212.90	78.57	78.32	-97.03	-3,932.03	359.29	993.55	883.46	110.09	9.025	
16,100.00	12,093.74	16,174.00	12,214.21	79.95	79.71	-97.03	-4,032.01	360.17	993.56	881.52	112.04	8.868	
16,200.00	12,095.04	16,274.00	12,215.53	81.34	81.10	-97.04	-4,132.00	361.05	993.56	879.56	114.01	8.715	
16,300.00	12,096.34	16,374.00	12,216.85	82.75	82.51	-97.04	-4,231.99	361.93	993.57	877.59	115.98	8.567	
16,400.00	12,097.64	16,474.00	12,218.16	84.16	83.92	-97.04	-4,331.98	362.81	993.58	875.61	117.97	8.422	
16,500.00	12,098.94	16,574.00	12,219.48	85.58	85.34	-97.04	-4,431.96	363.69	993.58	873.61	119.97	8.282	
16,600.00	12,100.24	16,674.00	12,220.80	87.01	86.77	-97.04	-4,531.95	364.56	993.59	871.60	121.98	8.145	
16,700.00	12,101.54	16,774.00	12,222.11	88.45	88.21	-97.04	-4,631.94	365.44	993.59	869.59	124.00	8.013	
16,800.00	12,102.84	16,874.00	12,223.43	89.89	89.66	-97.04	-4,731.93	366.32	993.60	867.56	126.04	7.883	
16,900.00	12,104.15	16,974.00	12,224.75	91.34	91.11	-97.04	-4,831.91	367.20	993.60	865.52	128.08	7.758	
17,000.00	12,105.45	17,074.00	12,226.07	92.80	92.57	-97.04	-4,931.90	368.08	993.61	863.48	130.13	7.636	
17,100.00	12,106.75	17,174.00	12,227.38	94.26	94.03	-97.04	-5,031.89	368.96	993.61	861.42	132.19	7.517	
17,200.00	12,108.05	17,274.00	12,228.70	95.74	95.50	-97.04	-5,131.88	369.84	993.62	859.36	134.26	7.401	
17,300.00	12,109.35	17,374.00	12,230.02	97.21	96.98	-97.05	-5,231.86	370.71	993.62	857.28	136.34	7.288	
17,400.00	12,110.65	17,474.00	12,231.33	98.69	98.46	-97.05	-5,331.85	371.59	993.63	855.21	138.42	7.178	
17,500.00	12,111.95	17,574.00	12,232.65	100.18	99.95	-97.05	-5,431.84	372.47	993.63	853.12	140.51	7.071	
17,600.00	12,113.25	17,674.00	12,233.97	101.67	101.45	-97.05	-5,531.83	373.35	993.64	851.03	142.61	6.967	
17,700.00	12,114.55	17,774.00	12,235.28	103.17	102.94	-97.05	-5,631.81	374.23	993.64	848.92	144.72	6.866	
17,800.00	12,115.85	17,874.00	12,236.60	104.67	104.45	-97.05	-5,731.80	375.11	993.65	846.82	146.83	6.767	
17,900.00	12,117.15	17,974.00	12,237.92	106.18	105.95	-97.05	-5,831.79	375.99	993.65	844.71	148.95	6.671	
18,000.00	12,118.45	18,074.00	12,239.23	107.69	107.47	-97.05	-5,931.78	376.86	993.66	842.59	151.07	6.577	
18,100.00	12,119.75	18,174.00	12,240.55	109.20	108.98	-97.05	-6,031.76	377.74	993.66	840.46	153.20	6.486	
18,200.00	12,121.05	18,274.00	12,241.87	110.72	110.50	-97.05	-6,131.75	378.62	993.67	838.33	155.33	6.397	
18,300.00	12,122.36	18,374.00	12,243.19	112.25	112.02	-97.05	-6,231.74	379.50	993.67	836.20	157.47	6.310	
18,400.00	12,123.66	18,474.00	12,244.50	113.77	113.55	-97.06	-6,331.73	380.38	993.68	834.06	159.62	6.225	
18,500.00	12,124.96	18,574.00	12,245.82	115.30	115.08	-97.06	-6,431.71	381.26	993.68	831.91	161.77	6.143	
18,600.00	12,126.26	18,674.00	12,247.14	116.83	116.61	-97.06	-6,531.70	382.14	993.69	829.77	163.92	6.062	
18,700.00	12,127.56	18,774.00	12,248.45	118.37	118.15	-97.06	-6,631.69	383.01	993.69	827.61	166.08	5.983	
18,800.00	12,128.86	18,874.00	12,249.77	119.91	119.69	-97.06	-6,731.68	383.89	993.70	825.45	168.24	5.906	
18,900.00	12,130.16	18,974.00	12,251.09	121.45	121.23	-97.06	-6,831.66	384.77	993.70	823.29	170.41	5.831	
19,000.00	12,131.46	19,074.00	12,252.40	123.00	122.78	-97.06	-6,931.65	385.65	993.71	821.13	172.58	5.758	
19,100.00	12,132.76	19,174.00	12,253.72	124.54	124.33	-97.06	-7,031.64	386.53	993.71	818.96	174.75	5.686	
19,200.00	12,134.06	19,274.00	12,255.04	126.10	125.88	-97.06	-7,131.63	387.41	993.72	816.78	176.93	5.616	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Bus Driver/Kasten Fed Com - Kasten Fed Com 703H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.00	12,135.36	19,374.00	12,256.36	127.65	127.43	-97.06	-7,231.61	388.29	993.72	814.61	179.11	5.548	
19,400.00	12,136.66	19,474.00	12,257.67	129.20	128.99	-97.06	-7,331.60	389.16	993.73	812.43	181.30	5.481	
19,500.00	12,137.96	19,574.00	12,258.99	130.76	130.55	-97.07	-7,431.59	390.04	993.73	810.25	183.49	5.416	
19,600.00	12,139.26	19,674.00	12,260.31	132.32	132.11	-97.07	-7,531.58	390.92	993.74	808.06	185.68	5.352	
19,700.00	12,140.57	19,774.00	12,261.62	133.88	133.67	-97.07	-7,631.56	391.80	993.74	805.87	187.87	5.289	
19,800.00	12,141.87	19,874.00	12,262.94	135.45	135.24	-97.07	-7,731.55	392.68	993.75	803.68	190.07	5.228	
19,900.00	12,143.17	19,974.00	12,264.26	137.02	136.80	-97.07	-7,831.54	393.56	993.75	801.49	192.27	5.169	
20,000.00	12,144.47	20,074.00	12,265.57	138.58	138.37	-97.07	-7,931.53	394.44	993.76	799.29	194.47	5.110	
20,100.00	12,145.77	20,174.00	12,266.89	140.15	139.94	-97.07	-8,031.51	395.31	993.76	797.09	196.68	5.053	
20,200.00	12,147.07	20,274.00	12,268.21	141.73	141.52	-97.07	-8,131.50	396.19	993.77	794.89	198.88	4.997	
20,300.00	12,148.37	20,374.00	12,269.53	143.30	143.09	-97.07	-8,231.49	397.07	993.77	792.68	201.09	4.942	
20,400.00	12,149.67	20,474.00	12,270.84	144.88	144.67	-97.07	-8,331.48	397.95	993.78	790.47	203.30	4.888	
20,500.00	12,150.97	20,574.00	12,272.16	146.45	146.25	-97.07	-8,431.46	398.83	993.78	788.27	205.52	4.835	
20,600.00	12,152.27	20,674.00	12,273.48	148.03	147.83	-97.08	-8,531.45	399.71	993.79	786.05	207.73	4.784	
20,700.00	12,153.57	20,774.00	12,274.79	149.61	149.41	-97.08	-8,631.44	400.59	993.79	783.84	209.95	4.733	
20,800.00	12,154.87	20,874.00	12,276.11	151.20	150.99	-97.08	-8,731.43	401.46	993.80	781.62	212.17	4.684	
20,900.00	12,156.17	20,974.00	12,277.43	152.78	152.58	-97.08	-8,831.41	402.34	993.80	779.41	214.40	4.635	
21,000.00	12,157.47	21,074.00	12,278.74	154.37	154.16	-97.08	-8,931.40	403.22	993.81	777.19	216.62	4.588	
21,100.00	12,158.77	21,174.00	12,280.06	155.95	155.75	-97.08	-9,031.39	404.10	993.81	774.97	218.85	4.541	
21,200.00	12,160.08	21,274.00	12,281.38	157.54	157.34	-97.08	-9,131.38	404.98	993.82	772.74	221.08	4.495	
21,300.00	12,161.38	21,374.00	12,282.70	159.13	158.93	-97.08	-9,231.36	405.86	993.82	770.52	223.31	4.451	
21,400.00	12,162.68	21,474.00	12,284.01	160.72	160.52	-97.08	-9,331.35	406.74	993.83	768.29	225.54	4.407	
21,500.00	12,163.98	21,574.00	12,285.33	162.31	162.11	-97.08	-9,431.34	407.61	993.84	766.06	227.77	4.363	
21,600.00	12,165.28	21,674.00	12,286.65	163.90	163.70	-97.08	-9,531.32	408.49	993.84	763.84	230.01	4.321	
21,700.00	12,166.58	21,774.00	12,287.96	165.50	165.30	-97.09	-9,631.31	409.37	993.85	761.60	232.24	4.279	
21,800.00	12,167.88	21,874.00	12,289.28	167.09	166.89	-97.09	-9,731.30	410.25	993.85	759.37	234.48	4.239	
21,900.00	12,169.18	21,974.00	12,290.60	168.69	168.49	-97.09	-9,831.29	411.13	993.86	757.14	236.72	4.198	
22,000.00	12,170.48	22,074.00	12,291.91	170.29	170.09	-97.09	-9,931.27	412.01	993.86	754.90	238.96	4.159	
22,100.00	12,171.78	22,174.00	12,293.23	171.89	171.69	-97.09	-10,031.26	412.89	993.87	752.67	241.20	4.121	
22,200.00	12,173.08	22,274.00	12,294.55	173.49	173.29	-97.09	-10,131.25	413.76	993.87	750.43	243.44	4.083	
22,300.00	12,174.38	22,374.00	12,295.87	175.09	174.89	-97.09	-10,231.24	414.64	993.88	748.19	245.69	4.045	
22,400.00	12,175.68	22,474.00	12,297.18	176.69	176.49	-97.09	-10,331.22	415.52	993.88	745.95	247.93	4.009	
22,500.00	12,176.98	22,574.00	12,298.50	178.29	178.09	-97.09	-10,431.21	416.40	993.89	743.71	250.18	3.973	
22,600.00	12,178.29	22,674.00	12,299.82	179.89	179.70	-97.09	-10,531.20	417.28	993.89	741.47	252.43	3.937	
22,700.00	12,179.59	22,774.00	12,301.13	181.50	181.30	-97.09	-10,631.19	418.16	993.90	739.22	254.68	3.903	
22,800.00	12,180.89	22,874.00	12,302.45	183.10	182.91	-97.10	-10,731.17	419.04	993.90	736.98	256.93	3.868	
22,900.00	12,182.19	22,974.00	12,303.77	184.71	184.51	-97.10	-10,831.16	419.91	993.91	734.73	259.18	3.835	
23,000.00	12,183.49	23,074.00	12,305.08	186.31	186.12	-97.10	-10,931.15	420.79	993.91	732.48	261.43	3.802	
23,100.00	12,184.79	23,174.00	12,306.40	187.92	187.73	-97.10	-11,031.14	421.67	993.92	730.24	263.68	3.769	
23,200.00	12,186.09	23,274.00	12,307.72	189.53	189.34	-97.10	-11,131.12	422.55	993.92	727.99	265.93	3.737	
23,300.00	12,187.39	23,374.00	12,309.04	191.14	190.95	-97.10	-11,231.11	423.43	993.93	725.74	268.19	3.706	
23,400.00	12,188.69	23,474.00	12,310.35	192.75	192.56	-97.10	-11,331.10	424.31	993.93	723.49	270.45	3.675	
23,500.00	12,189.99	23,574.00	12,311.67	194.36	194.17	-97.10	-11,431.09	425.19	993.94	721.23	272.70	3.645	
23,600.00	12,191.29	23,674.00	12,312.99	195.97	195.78	-97.10	-11,531.07	426.06	993.94	718.98	274.96	3.615	
23,700.00	12,192.59	23,774.00	12,314.30	197.58	197.39	-97.10	-11,631.06	426.94	993.95	716.73	277.22	3.585	
23,800.00	12,193.89	23,874.00	12,315.62	199.20	199.00	-97.10	-11,731.05	427.82	993.95	714.48	279.48	3.556	
23,900.00	12,195.19	23,974.00	12,316.94	200.81	200.62	-97.11	-11,831.04	428.70	993.96	712.22	281.74	3.528	
24,000.00	12,196.50	24,074.00	12,318.25	202.42	202.23	-97.11	-11,931.02	429.58	993.96	709.96	284.00	3.500	
24,100.00	12,197.80	24,174.00	12,319.57	204.04	203.85	-97.11	-12,031.01	430.46	993.97	707.71	286.26	3.472	
24,100.11	12,197.80	24,174.11	12,319.57	204.04	203.85	-97.11	-12,031.12	430.46	993.97	707.71	286.26	3.472	
24,110.32	12,197.93	24,182.27	12,319.68	204.20	203.98	-97.11	-12,039.28	430.53	993.97	707.51	286.46	3.470	
24,111.10	12,197.94	24,182.27	12,319.68	204.22	203.98	-97.11	-12,039.28	430.53	993.97	707.51	286.46	3.470	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 601H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	12.30	12.30	0.00	0.02	-92.41	-79.52	-1,885.79	1,887.47				
100.00	100.00	112.30	112.30	0.14	0.19	-92.41	-79.52	-1,885.79	1,887.47	1,887.23	0.23	8,082.809	
200.00	200.00	212.30	212.30	0.50	0.54	-92.41	-79.52	-1,885.79	1,887.47	1,886.73	0.74	2,553.948	
300.00	300.00	312.30	312.30	0.86	0.90	-92.41	-79.52	-1,885.79	1,887.47	1,886.22	1.25	1,515.153	
400.00	400.00	412.30	412.30	1.22	1.26	-92.41	-79.52	-1,885.79	1,887.47	1,885.71	1.75	1,076.971	
500.00	500.00	512.30	512.30	1.58	1.62	-92.41	-79.52	-1,885.79	1,887.47	1,885.21	2.26	835.361	
600.00	600.00	612.30	612.30	1.93	1.98	-92.41	-79.52	-1,885.79	1,887.47	1,884.70	2.77	682.288	
700.00	700.00	712.30	712.30	2.29	2.34	-92.41	-79.52	-1,885.79	1,887.47	1,884.19	3.27	576.624	
800.00	800.00	812.30	812.30	2.65	2.69	-92.41	-79.52	-1,885.79	1,887.47	1,883.69	3.78	499.298	
900.00	900.00	912.30	912.30	3.01	3.05	-92.41	-79.52	-1,885.79	1,887.47	1,883.18	4.29	440.258	
1,000.00	1,000.00	1,012.30	1,012.30	3.37	3.41	-92.41	-79.52	-1,885.79	1,887.47	1,882.67	4.79	393.704	
1,100.00	1,100.00	1,112.30	1,112.30	3.73	3.77	-92.41	-79.52	-1,885.79	1,887.47	1,882.16	5.30	356.054	
1,200.00	1,200.00	1,212.30	1,212.30	4.08	4.13	-92.41	-79.52	-1,885.79	1,887.47	1,881.66	5.81	324.976	
1,300.00	1,300.00	1,312.30	1,312.30	4.44	4.49	-92.41	-79.52	-1,885.79	1,887.47	1,881.15	6.31	298.888	
1,400.00	1,400.00	1,412.30	1,412.30	4.80	4.85	-92.41	-79.52	-1,885.79	1,887.47	1,880.64	6.82	276.677	
1,500.00	1,500.00	1,512.30	1,512.30	5.16	5.20	-92.41	-79.52	-1,885.79	1,887.47	1,880.14	7.33	257.539	
1,600.00	1,600.00	1,612.30	1,612.30	5.52	5.56	-92.41	-79.52	-1,885.79	1,887.47	1,879.63	7.84	240.877	
1,700.00	1,700.00	1,712.30	1,712.30	5.88	5.92	-92.41	-79.52	-1,885.79	1,887.47	1,879.12	8.34	226.240	
1,800.00	1,800.00	1,812.30	1,812.30	6.24	6.28	-92.41	-79.52	-1,885.79	1,887.47	1,878.62	8.85	213.280	
1,900.00	1,900.00	1,912.30	1,912.30	6.59	6.64	-92.41	-79.52	-1,885.79	1,887.47	1,878.11	9.36	201.724	
2,000.00	2,000.00	2,012.30	2,012.30	6.95	7.00	-92.41	-79.52	-1,885.79	1,887.47	1,877.60	9.86	191.356	
2,100.00	2,100.00	2,112.30	2,112.30	7.31	7.36	-92.41	-79.52	-1,885.79	1,887.47	1,877.10	10.37	182.002	
2,200.00	2,200.00	2,212.30	2,212.30	7.67	7.71	-92.41	-79.52	-1,885.79	1,887.47	1,876.59	10.88	173.520	
2,300.00	2,300.00	2,312.30	2,312.30	8.03	8.07	-92.41	-79.52	-1,885.79	1,887.47	1,876.08	11.38	165.793	
2,400.00	2,400.00	2,412.30	2,412.30	8.39	8.43	-92.41	-79.52	-1,885.79	1,887.47	1,875.57	11.89	158.725	
2,500.00	2,500.00	2,512.30	2,512.30	8.74	8.79	-92.41	-79.52	-1,885.79	1,887.47	1,875.07	12.40	152.235	
2,600.00	2,600.00	2,612.30	2,612.30	9.10	9.15	-92.41	-79.52	-1,885.79	1,887.47	1,874.56	12.91	146.255	
2,700.00	2,700.00	2,712.30	2,712.30	9.46	9.51	-92.41	-79.52	-1,885.79	1,887.47	1,874.05	13.41	140.726	
2,800.00	2,800.00	2,812.30	2,812.30	9.82	9.86	-92.41	-79.52	-1,885.79	1,887.47	1,873.55	13.92	135.601	
2,900.00	2,900.00	2,912.30	2,912.30	10.18	10.22	-92.41	-79.52	-1,885.79	1,887.47	1,873.04	14.43	130.836	
3,000.00	3,000.00	3,012.30	3,012.30	10.54	10.58	-92.41	-79.52	-1,885.79	1,887.47	1,872.53	14.93	126.394	
3,100.00	3,100.00	3,112.30	3,112.30	10.90	10.94	-92.41	-79.52	-1,885.79	1,887.47	1,872.03	15.44	122.244	
3,200.00	3,200.00	3,212.30	3,212.30	11.25	11.30	-92.41	-79.52	-1,885.79	1,887.47	1,871.52	15.95	118.358	
3,300.00	3,300.00	3,312.30	3,312.30	11.61	11.66	-92.41	-79.52	-1,885.79	1,887.47	1,871.01	16.45	114.712	
3,400.00	3,400.00	3,412.30	3,412.30	11.97	12.02	-92.41	-79.52	-1,885.79	1,887.47	1,870.50	16.96	111.283	
3,500.00	3,500.00	3,512.30	3,512.30	12.33	12.37	-92.41	-79.52	-1,885.79	1,887.47	1,870.00	17.47	108.053	
3,600.00	3,600.00	3,612.30	3,612.30	12.69	12.73	-92.41	-79.52	-1,885.79	1,887.47	1,869.49	17.97	105.006	
3,700.00	3,700.00	3,712.30	3,712.30	13.05	13.09	-92.41	-79.52	-1,885.79	1,887.47	1,868.98	18.48	102.125	
3,800.00	3,800.00	3,812.30	3,812.30	13.41	13.45	-92.41	-79.52	-1,885.79	1,887.47	1,868.48	18.99	99.399	
3,900.00	3,900.00	3,912.30	3,912.30	13.76	13.81	-92.41	-79.52	-1,885.79	1,887.47	1,867.97	19.50	96.814	
4,000.00	4,000.00	4,012.30	4,012.30	14.12	14.17	-92.41	-79.52	-1,885.79	1,887.47	1,867.46	20.00	94.361	
4,100.00	4,100.00	4,112.30	4,112.30	14.48	14.52	-92.41	-79.52	-1,885.79	1,887.47	1,866.96	20.51	92.028	
4,200.00	4,200.00	4,212.30	4,212.30	14.84	14.88	-92.41	-79.52	-1,885.79	1,887.47	1,866.45	21.02	89.808	
4,300.00	4,300.00	4,312.30	4,312.30	15.20	15.24	-92.41	-79.52	-1,885.79	1,887.47	1,865.94	21.52	87.693	
4,400.00	4,400.00	4,412.30	4,412.30	15.56	15.60	-92.41	-79.52	-1,885.79	1,887.47	1,865.44	22.03	85.675	
4,500.00	4,500.00	4,512.30	4,512.30	15.91	15.96	-92.41	-79.52	-1,885.79	1,887.47	1,864.93	22.54	83.748	
4,550.00	4,550.00	4,562.30	4,562.30	16.09	16.14	-92.41	-79.52	-1,885.79	1,887.47	1,864.67	22.79	82.816	
4,600.00	4,600.00	4,612.30	4,612.30	16.27	16.32	-19.21	-79.52	-1,885.79	1,887.16	1,864.11	23.04	81.900	
4,700.00	4,699.96	4,712.26	4,712.26	16.62	16.68	-19.24	-79.52	-1,885.79	1,884.69	1,861.15	23.54	80.064	
4,800.00	4,799.82	4,812.12	4,812.12	16.96	17.03	-19.32	-79.52	-1,885.79	1,879.74	1,855.71	24.04	78.201	
4,900.00	4,899.51	4,911.81	4,911.81	17.31	17.39	-19.44	-79.52	-1,885.79	1,872.34	1,847.81	24.53	76.315	
5,000.00	4,998.96	5,011.26	5,011.26	17.66	17.75	-19.59	-79.52	-1,885.79	1,862.48	1,837.45	25.03	74.408	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 601H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.10	5,110.40	5,110.40	18.02	18.10	-19.79	-79.52	-1,885.79	1,850.18	1,824.66	25.53	72.483	
5,200.00	5,196.87	5,209.17	5,209.17	18.38	18.46	-20.03	-79.52	-1,885.79	1,835.45	1,809.43	26.02	70.542	
5,216.82	5,213.44	5,225.74	5,225.74	18.44	18.52	-20.08	-79.52	-1,885.79	1,832.74	1,806.64	26.10	70.213	
5,300.00	5,295.35	5,307.65	5,307.65	18.74	18.81	-20.24	-79.52	-1,885.79	1,819.15	1,792.64	26.51	68.616	
5,400.00	5,393.83	5,406.13	5,406.13	19.11	19.16	-20.43	-79.52	-1,885.79	1,802.83	1,775.83	27.01	66.758	
5,500.00	5,492.31	5,500.00	5,500.00	19.48	19.50	-20.61	-79.52	-1,885.79	1,786.54	1,759.06	27.49	64.992	
5,600.00	5,590.79	5,584.23	5,584.22	19.85	19.80	-20.75	-78.74	-1,886.29	1,770.81	1,742.86	27.95	63.362	
5,700.00	5,689.27	5,665.07	5,665.02	20.23	20.09	-20.84	-76.52	-1,887.71	1,756.10	1,727.71	28.40	61.843	
5,800.00	5,787.75	5,746.23	5,746.06	20.61	20.38	-20.88	-72.84	-1,890.07	1,742.41	1,713.56	28.84	60.408	
5,900.00	5,886.23	5,827.62	5,827.22	20.99	20.67	-20.87	-67.69	-1,893.36	1,729.73	1,700.43	29.29	59.052	
6,000.00	5,984.71	5,925.70	5,924.93	21.38	21.02	-20.82	-60.50	-1,897.96	1,717.62	1,687.83	29.79	57.663	
6,100.00	6,083.19	6,024.96	6,023.81	21.77	21.37	-20.77	-53.22	-1,902.62	1,705.52	1,675.23	30.29	56.311	
6,200.00	6,181.67	6,124.21	6,122.68	22.16	21.72	-20.72	-45.95	-1,907.28	1,693.42	1,662.63	30.79	55.001	
6,300.00	6,280.15	6,223.46	6,221.56	22.55	22.08	-20.67	-38.67	-1,911.94	1,681.32	1,650.03	31.29	53.730	
6,400.00	6,378.63	6,322.72	6,320.44	22.95	22.44	-20.62	-31.39	-1,916.59	1,669.22	1,637.43	31.80	52.499	
6,500.00	6,477.11	6,421.97	6,419.32	23.34	22.79	-20.57	-24.11	-1,921.25	1,657.13	1,624.83	32.30	51.304	
6,600.00	6,575.59	6,521.23	6,518.19	23.75	23.15	-20.52	-16.83	-1,925.91	1,645.03	1,612.22	32.81	50.144	
6,700.00	6,674.07	6,620.48	6,617.07	24.15	23.51	-20.46	-9.55	-1,930.57	1,632.94	1,599.62	33.31	49.018	
6,800.00	6,772.56	6,719.74	6,715.95	24.55	23.87	-20.41	-2.27	-1,935.23	1,620.84	1,587.02	33.82	47.925	
6,900.00	6,871.04	6,818.99	6,814.83	24.96	24.23	-20.35	5.01	-1,939.89	1,608.75	1,574.43	34.33	46.863	
7,000.00	6,969.52	6,918.25	6,913.70	25.36	24.59	-20.30	12.29	-1,944.55	1,596.66	1,561.83	34.84	45.831	
7,100.00	7,068.00	7,017.50	7,012.58	25.77	24.95	-20.24	19.57	-1,949.20	1,584.58	1,549.23	35.35	44.827	
7,200.00	7,166.48	7,116.75	7,111.46	26.18	25.31	-20.18	26.84	-1,953.86	1,572.49	1,536.63	35.86	43.852	
7,300.00	7,264.96	7,216.01	7,210.33	26.59	25.67	-20.13	34.12	-1,958.52	1,560.41	1,524.04	36.37	42.903	
7,400.00	7,363.44	7,315.26	7,309.21	27.01	26.04	-20.07	41.40	-1,963.18	1,548.32	1,511.44	36.88	41.980	
7,500.00	7,461.92	7,414.52	7,408.09	27.42	26.40	-20.01	48.68	-1,967.84	1,536.24	1,498.85	37.40	41.081	
7,600.00	7,560.40	7,513.77	7,506.97	27.84	26.76	-19.94	55.96	-1,972.50	1,524.16	1,486.25	37.91	40.206	
7,700.00	7,658.88	7,613.03	7,605.84	28.25	27.13	-19.88	63.24	-1,977.16	1,512.08	1,473.66	38.42	39.354	
7,800.00	7,757.36	7,712.28	7,704.72	28.67	27.49	-19.82	70.52	-1,981.81	1,500.01	1,461.07	38.94	38.524	
7,900.00	7,855.84	7,811.54	7,803.60	29.09	27.85	-19.75	77.80	-1,986.47	1,487.93	1,448.48	39.45	37.715	
8,000.00	7,954.32	7,910.79	7,902.48	29.51	28.22	-19.69	85.08	-1,991.13	1,475.86	1,435.89	39.97	36.926	
8,100.00	8,052.80	8,010.04	8,001.35	29.93	28.58	-19.62	92.36	-1,995.79	1,463.79	1,423.31	40.48	36.157	
8,200.00	8,151.28	8,109.30	8,100.23	30.36	28.95	-19.55	99.63	-2,000.45	1,451.72	1,410.72	41.00	35.408	
8,300.00	8,249.76	8,208.55	8,199.11	30.78	29.32	-19.49	106.91	-2,005.11	1,439.66	1,398.14	41.52	34.676	
8,400.00	8,348.24	8,326.52	8,316.73	31.20	29.75	-19.45	114.47	-2,009.95	1,427.06	1,384.98	42.08	33.912	
8,500.00	8,446.72	8,448.21	8,438.29	31.63	30.19	-19.54	119.10	-2,012.91	1,412.90	1,370.26	42.65	33.131	
8,535.38	8,481.56	8,491.09	8,481.16	31.78	30.34	-19.61	119.96	-2,013.46	1,407.52	1,364.68	42.84	32.853	
8,600.00	8,545.29	8,567.52	8,557.59	32.05	30.62	-19.71	120.48	-2,013.79	1,397.70	1,354.50	43.20	32.358	
8,700.00	8,644.24	8,666.48	8,656.54	32.46	30.97	-19.84	120.48	-2,013.79	1,384.12	1,340.42	43.71	31.669	
8,800.00	8,743.54	8,765.77	8,755.84	32.86	31.32	-19.95	120.48	-2,013.79	1,373.01	1,328.79	44.22	31.052	
8,900.00	8,843.11	8,865.35	8,855.41	33.24	31.67	-20.04	120.48	-2,013.79	1,364.35	1,319.63	44.72	30.506	
9,000.00	8,942.89	8,965.13	8,955.19	33.61	32.03	-20.10	120.48	-2,013.79	1,358.15	1,312.92	45.23	30.027	
9,100.00	9,042.81	9,065.04	9,055.11	33.96	32.39	-20.14	120.48	-2,013.79	1,354.41	1,308.68	45.73	29.616	
9,202.20	9,145.00	9,167.24	9,157.30	34.31	32.75	-93.37	120.48	-2,013.79	1,353.13	1,306.88	46.24	29.261	
9,300.00	9,242.80	9,265.03	9,255.10	34.64	33.10	-93.37	120.48	-2,013.79	1,353.13	1,306.40	46.73	28.956	
9,400.00	9,342.80	9,365.03	9,355.10	34.98	33.45	-93.37	120.48	-2,013.79	1,353.13	1,305.90	47.23	28.650	
9,500.00	9,442.80	9,465.03	9,455.10	35.32	33.81	-93.37	120.48	-2,013.79	1,353.13	1,305.40	47.73	28.351	
9,600.00	9,542.80	9,565.03	9,555.10	35.65	34.16	-93.37	120.48	-2,013.79	1,353.13	1,304.90	48.23	28.058	
9,700.00	9,642.80	9,665.03	9,655.10	35.99	34.52	-93.37	120.48	-2,013.79	1,353.13	1,304.40	48.73	27.770	
9,800.00	9,742.80	9,765.03	9,755.10	36.33	34.88	-93.37	120.48	-2,013.79	1,353.13	1,303.90	49.22	27.489	
9,900.00	9,842.80	9,865.03	9,855.10	36.67	35.23	-93.37	120.48	-2,013.79	1,353.13	1,303.40	49.72	27.213	
10,000.00	9,942.80	9,965.03	9,955.10	37.01	35.59	-93.37	120.48	-2,013.79	1,353.13	1,302.91	50.22	26.942	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 601H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,042.80	10,065.03	10,055.10	37.35	35.95	-93.37	120.48	-2,013.79	1,353.13	1,302.41	50.72	26.677	
10,200.00	10,142.80	10,165.03	10,155.10	37.69	36.30	-93.37	120.48	-2,013.79	1,353.13	1,301.91	51.22	26.417	
10,300.00	10,242.80	10,265.03	10,255.10	38.03	36.66	-93.37	120.48	-2,013.79	1,353.13	1,301.41	51.72	26.161	
10,400.00	10,342.80	10,365.03	10,355.10	38.37	37.02	-93.37	120.48	-2,013.79	1,353.13	1,300.91	52.22	25.911	
10,500.00	10,442.80	10,465.03	10,455.10	38.71	37.37	-93.37	120.48	-2,013.79	1,353.13	1,300.41	52.72	25.665	
10,600.00	10,542.80	10,565.03	10,555.10	39.05	37.73	-93.37	120.48	-2,013.79	1,353.13	1,299.91	53.22	25.424	
10,700.00	10,642.80	10,665.03	10,655.10	39.39	38.08	-93.37	120.48	-2,013.79	1,353.13	1,299.41	53.72	25.187	
10,800.00	10,742.80	10,765.03	10,755.10	39.73	38.44	-93.37	120.48	-2,013.79	1,353.13	1,298.91	54.22	24.955	
10,900.00	10,842.80	10,865.03	10,855.10	40.07	38.80	-93.37	120.48	-2,013.79	1,353.13	1,298.40	54.72	24.727	
11,000.00	10,942.80	10,965.03	10,955.10	40.42	39.15	-93.37	120.48	-2,013.79	1,353.13	1,297.90	55.22	24.502	
11,100.00	11,042.80	11,065.03	11,055.10	40.76	39.51	-93.37	120.48	-2,013.79	1,353.13	1,297.40	55.73	24.282	
11,200.00	11,142.80	11,165.03	11,155.10	41.10	39.87	-93.37	120.48	-2,013.79	1,353.13	1,296.90	56.23	24.066	
11,300.00	11,242.80	11,265.03	11,255.10	41.45	40.22	-93.37	120.48	-2,013.79	1,353.13	1,296.40	56.73	23.853	
11,400.00	11,342.80	11,365.03	11,355.10	41.79	40.58	-93.37	120.48	-2,013.79	1,353.13	1,295.90	57.23	23.644	CC
11,500.00	11,442.80	11,454.99	11,444.80	42.13	40.87	-93.61	114.90	-2,013.74	1,353.46	1,295.77	57.69	23.460	
11,530.20	11,473.00	11,481.29	11,470.75	42.24	40.95	-93.79	110.64	-2,013.70	1,353.73	1,295.91	57.83	23.410	
11,550.00	11,492.79	11,500.00	11,489.07	42.30	41.01	86.55	106.89	-2,013.67	1,353.95	1,296.03	57.92	23.378	
11,600.00	11,542.62	11,541.11	11,528.86	42.45	41.12	86.19	96.55	-2,013.58	1,354.51	1,296.39	58.12	23.306	
11,650.00	11,591.93	11,583.43	11,568.92	42.60	41.24	85.85	82.96	-2,013.46	1,355.07	1,296.76	58.31	23.240	
11,700.00	11,640.32	11,625.35	11,607.52	42.74	41.35	85.53	66.62	-2,013.32	1,355.63	1,297.14	58.49	23.178	
11,750.00	11,687.45	11,666.93	11,644.52	42.87	41.45	85.25	47.68	-2,013.15	1,356.17	1,297.51	58.66	23.121	
11,800.00	11,732.94	11,708.20	11,679.79	42.99	41.54	84.99	26.26	-2,012.96	1,356.67	1,297.86	58.81	23.068	
11,850.00	11,776.45	11,750.00	11,713.85	43.10	41.63	84.77	2.05	-2,012.75	1,357.13	1,298.17	58.96	23.018	
11,900.00	11,817.65	11,790.03	11,744.72	43.20	41.71	84.58	-23.41	-2,012.53	1,357.54	1,298.44	59.10	22.971	
11,950.00	11,856.23	11,830.65	11,774.16	43.28	41.79	84.43	-51.39	-2,012.28	1,357.88	1,298.65	59.23	22.926	
12,000.00	11,891.90	11,871.14	11,801.46	43.36	41.86	84.31	-81.28	-2,012.02	1,358.14	1,298.79	59.36	22.881	
12,050.00	11,924.37	11,911.52	11,826.52	43.42	41.94	84.22	-112.94	-2,011.74	1,358.33	1,298.85	59.48	22.836	
12,100.00	11,953.41	11,950.00	11,848.26	43.47	42.02	84.18	-144.67	-2,011.46	1,358.44	1,298.83	59.61	22.790	
12,150.00	11,978.80	11,992.14	11,869.57	43.52	42.11	84.17	-181.02	-2,011.14	1,358.46	1,298.72	59.74	22.739	
12,200.00	12,000.33	12,032.45	11,887.41	43.56	42.20	84.20	-217.15	-2,010.83	1,358.39	1,298.51	59.88	22.687	
12,250.00	12,017.85	12,072.80	11,902.67	43.61	42.29	84.26	-254.50	-2,010.50	1,358.24	1,298.22	60.02	22.631	
12,300.00	12,031.23	12,113.24	11,915.29	43.66	42.39	84.37	-292.90	-2,010.16	1,358.01	1,297.84	60.16	22.571	
12,350.00	12,040.35	12,150.00	11,924.39	43.72	42.47	84.49	-328.51	-2,009.85	1,357.70	1,297.39	60.31	22.511	
12,400.00	12,045.16	12,194.51	11,932.32	43.79	42.58	84.68	-372.29	-2,009.46	1,357.32	1,296.84	60.48	22.441	
12,422.75	12,045.91	12,213.09	11,934.62	43.83	42.63	84.77	-390.74	-2,009.30	1,357.13	1,296.57	60.56	22.410	
12,488.36	12,046.76	12,267.08	11,937.90	43.97	42.76	84.88	-444.61	-2,008.83	1,356.84	1,296.05	60.79	22.320	
12,500.00	12,046.91	12,278.38	11,938.03	44.00	42.79	84.88	-455.90	-2,008.73	1,356.84	1,296.01	60.83	22.304	
12,600.00	12,048.22	12,378.38	11,939.11	44.29	43.08	84.87	-555.89	-2,007.85	1,356.86	1,295.59	61.27	22.145	
12,700.00	12,049.52	12,478.38	11,940.19	44.65	43.43	84.86	-655.88	-2,006.97	1,356.88	1,295.09	61.79	21.959	
12,800.00	12,050.82	12,578.38	11,941.28	45.08	43.84	84.85	-755.87	-2,006.10	1,356.90	1,294.50	62.39	21.747	
12,900.00	12,052.12	12,678.38	11,942.36	45.57	44.31	84.84	-855.86	-2,005.22	1,356.91	1,293.84	63.08	21.512	
13,000.00	12,053.42	12,778.38	11,943.44	46.12	44.83	84.83	-955.85	-2,004.34	1,356.93	1,293.09	63.84	21.256	
13,100.00	12,054.72	12,878.38	11,944.52	46.72	45.40	84.82	-1,055.84	-2,003.46	1,356.95	1,292.27	64.67	20.981	
13,200.00	12,056.02	12,978.38	11,945.61	47.37	46.03	84.81	-1,155.83	-2,002.59	1,356.97	1,291.38	65.58	20.691	
13,300.00	12,057.32	13,078.38	11,946.69	48.07	46.71	84.80	-1,255.82	-2,001.71	1,356.98	1,290.43	66.56	20.388	
13,400.00	12,058.62	13,178.38	11,947.77	48.81	47.43	84.79	-1,355.81	-2,000.83	1,357.00	1,289.40	67.60	20.074	
13,500.00	12,059.92	13,278.38	11,948.85	49.60	48.20	84.78	-1,455.80	-1,999.95	1,357.02	1,288.31	68.71	19.751	
13,600.00	12,061.22	13,378.38	11,949.94	50.43	49.02	84.77	-1,555.79	-1,999.07	1,357.04	1,287.16	69.87	19.422	
13,700.00	12,062.52	13,478.38	11,951.02	51.30	49.87	84.77	-1,655.78	-1,998.20	1,357.05	1,285.96	71.09	19.088	
13,800.00	12,063.82	13,578.38	11,952.10	52.21	50.77	84.76	-1,755.77	-1,997.32	1,357.07	1,284.70	72.37	18.752	
13,900.00	12,065.12	13,678.38	11,953.18	53.16	51.70	84.75	-1,855.76	-1,996.44	1,357.09	1,283.39	73.70	18.414	
14,000.00	12,066.42	13,778.37	11,954.27	54.13	52.67	84.74	-1,955.75	-1,995.56	1,357.11	1,282.03	75.08	18.076	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 601H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,067.73	13,878.37	11,955.35	55.14	53.67	84.73	-2,055.74	-1,994.69	1,357.12	1,280.62	76.50	17.740	
14,200.00	12,069.03	13,978.37	11,956.43	56.18	54.70	84.72	-2,155.73	-1,993.81	1,357.14	1,279.18	77.97	17.407	
14,300.00	12,070.33	14,078.37	11,957.51	57.25	55.77	84.71	-2,255.72	-1,992.93	1,357.16	1,277.68	79.48	17.077	
14,400.00	12,071.63	14,178.37	11,958.60	58.35	56.86	84.70	-2,355.71	-1,992.05	1,357.18	1,276.16	81.02	16.751	
14,500.00	12,072.93	14,278.37	11,959.68	59.47	57.98	84.69	-2,455.70	-1,991.17	1,357.20	1,274.59	82.61	16.430	
14,600.00	12,074.23	14,378.37	11,960.76	60.61	59.12	84.68	-2,555.69	-1,990.30	1,357.21	1,272.99	84.22	16.114	
14,700.00	12,075.53	14,478.37	11,961.84	61.78	60.28	84.67	-2,655.68	-1,989.42	1,357.23	1,271.36	85.87	15.805	
14,800.00	12,076.83	14,578.37	11,962.93	62.97	61.47	84.66	-2,755.67	-1,988.54	1,357.25	1,269.69	87.56	15.502	
14,900.00	12,078.13	14,678.37	11,964.01	64.18	62.68	84.66	-2,855.66	-1,987.66	1,357.27	1,268.00	89.27	15.205	
15,000.00	12,079.43	14,778.37	11,965.09	65.41	63.91	84.65	-2,955.65	-1,986.79	1,357.29	1,266.28	91.00	14.915	
15,100.00	12,080.73	14,878.37	11,966.17	66.66	65.16	84.64	-3,055.64	-1,985.91	1,357.30	1,264.54	92.77	14.631	
15,200.00	12,082.03	14,978.37	11,967.26	67.93	66.43	84.63	-3,155.63	-1,985.03	1,357.32	1,262.77	94.56	14.355	
15,300.00	12,083.33	15,078.37	11,968.34	69.21	67.71	84.62	-3,255.62	-1,984.15	1,357.34	1,260.97	96.37	14.085	
15,400.00	12,084.63	15,178.37	11,969.42	70.50	69.01	84.61	-3,355.61	-1,983.27	1,357.36	1,259.16	98.20	13.822	
15,500.00	12,085.94	15,278.37	11,970.50	71.82	70.32	84.60	-3,455.60	-1,982.40	1,357.38	1,257.32	100.05	13.567	
15,600.00	12,087.24	15,378.37	11,971.59	73.14	71.65	84.59	-3,555.59	-1,981.52	1,357.39	1,255.47	101.93	13.318	
15,700.00	12,088.54	15,478.37	11,972.67	74.48	72.99	84.58	-3,655.58	-1,980.64	1,357.41	1,253.60	103.82	13.075	
15,800.00	12,089.84	15,578.37	11,973.75	75.83	74.34	84.57	-3,755.57	-1,979.76	1,357.43	1,251.71	105.72	12.839	
15,900.00	12,091.14	15,678.37	11,974.83	77.19	75.70	84.56	-3,855.56	-1,978.89	1,357.45	1,249.80	107.65	12.610	
16,000.00	12,092.44	15,778.37	11,975.91	78.57	77.08	84.55	-3,955.55	-1,978.01	1,357.47	1,247.88	109.59	12.387	
16,100.00	12,093.74	15,878.37	11,977.00	79.95	78.47	84.54	-4,055.54	-1,977.13	1,357.49	1,245.94	111.54	12.170	
16,200.00	12,095.04	15,978.37	11,978.08	81.34	79.86	84.54	-4,155.53	-1,976.25	1,357.51	1,243.99	113.51	11.959	
16,300.00	12,096.34	16,078.37	11,979.16	82.75	81.27	84.53	-4,255.52	-1,975.38	1,357.52	1,242.03	115.49	11.754	
16,400.00	12,097.64	16,178.37	11,980.24	84.16	82.68	84.52	-4,355.51	-1,974.50	1,357.54	1,240.05	117.49	11.555	
16,500.00	12,098.94	16,278.37	11,981.33	85.58	84.11	84.51	-4,455.50	-1,973.62	1,357.56	1,238.06	119.50	11.361	
16,600.00	12,100.24	16,378.37	11,982.41	87.01	85.54	84.50	-4,555.49	-1,972.74	1,357.58	1,236.06	121.51	11.172	
16,700.00	12,101.54	16,478.37	11,983.49	88.45	86.98	84.49	-4,655.48	-1,971.86	1,357.60	1,234.05	123.54	10.989	
16,800.00	12,102.84	16,578.37	11,984.57	89.89	88.43	84.48	-4,755.47	-1,970.99	1,357.62	1,232.03	125.58	10.811	
16,900.00	12,104.15	16,678.37	11,985.66	91.34	89.88	84.47	-4,855.46	-1,970.11	1,357.64	1,230.00	127.63	10.637	
17,000.00	12,105.45	16,778.37	11,986.74	92.80	91.34	84.46	-4,955.45	-1,969.23	1,357.65	1,227.97	129.69	10.469	
17,100.00	12,106.75	16,878.37	11,987.82	94.26	92.81	84.45	-5,055.44	-1,968.35	1,357.67	1,225.92	131.76	10.304	
17,200.00	12,108.05	16,978.37	11,988.90	95.74	94.29	84.44	-5,155.43	-1,967.48	1,357.69	1,223.86	133.83	10.145	
17,300.00	12,109.35	17,078.37	11,989.99	97.21	95.77	84.43	-5,255.42	-1,966.60	1,357.71	1,221.80	135.91	9.989	
17,400.00	12,110.65	17,178.37	11,991.07	98.69	97.25	84.43	-5,355.41	-1,965.72	1,357.73	1,219.72	138.01	9.838	
17,500.00	12,111.95	17,278.37	11,992.15	100.18	98.74	84.42	-5,455.40	-1,964.84	1,357.75	1,217.65	140.10	9.691	
17,600.00	12,113.25	17,378.37	11,993.23	101.67	100.24	84.41	-5,555.39	-1,963.96	1,357.77	1,215.56	142.21	9.548	
17,700.00	12,114.55	17,478.37	11,994.32	103.17	101.74	84.40	-5,655.38	-1,963.09	1,357.79	1,213.47	144.32	9.408	
17,800.00	12,115.85	17,578.37	11,995.40	104.67	103.24	84.39	-5,755.37	-1,962.21	1,357.81	1,211.37	146.44	9.272	
17,900.00	12,117.15	17,678.37	11,996.48	106.18	104.75	84.38	-5,855.36	-1,961.33	1,357.82	1,209.26	148.56	9.140	
18,000.00	12,118.45	17,778.37	11,997.56	107.69	106.27	84.37	-5,955.35	-1,960.45	1,357.84	1,207.15	150.69	9.011	
18,100.00	12,119.75	17,878.37	11,998.65	109.20	107.78	84.36	-6,055.34	-1,959.58	1,357.86	1,205.03	152.83	8.885	
18,200.00	12,121.05	17,978.36	11,999.73	110.72	109.31	84.35	-6,155.33	-1,958.70	1,357.88	1,202.91	154.97	8.762	
18,300.00	12,122.36	18,078.36	12,000.81	112.25	110.83	84.34	-6,255.32	-1,957.82	1,357.90	1,200.78	157.12	8.643	
18,400.00	12,123.66	18,178.36	12,001.89	113.77	112.36	84.33	-6,355.31	-1,956.94	1,357.92	1,198.65	159.27	8.526	
18,500.00	12,124.96	18,278.36	12,002.98	115.30	113.89	84.32	-6,455.30	-1,956.06	1,357.94	1,196.51	161.43	8.412	
18,600.00	12,126.26	18,378.36	12,004.06	116.83	115.43	84.32	-6,555.29	-1,955.19	1,357.96	1,194.37	163.59	8.301	
18,700.00	12,127.56	18,478.36	12,005.14	118.37	116.97	84.31	-6,655.28	-1,954.31	1,357.98	1,192.23	165.75	8.193	
18,800.00	12,128.86	18,578.36	12,006.22	119.91	118.51	84.30	-6,755.27	-1,953.43	1,358.00	1,190.08	167.92	8.087	
18,900.00	12,130.16	18,678.36	12,007.31	121.45	120.06	84.29	-6,855.26	-1,952.55	1,358.02	1,187.92	170.09	7.984	
19,000.00	12,131.46	18,778.36	12,008.39	123.00	121.60	84.28	-6,955.25	-1,951.68	1,358.04	1,185.77	172.27	7.883	
19,100.00	12,132.76	18,878.36	12,009.47	124.54	123.15	84.27	-7,055.24	-1,950.80	1,358.06	1,183.61	174.45	7.785	
19,200.00	12,134.06	18,978.36	12,010.55	126.10	124.71	84.26	-7,155.23	-1,949.92	1,358.08	1,181.44	176.63	7.689	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 601H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.00	12,135.36	19,078.36	12,011.64	127.65	126.26	84.25	-7,255.22	-1,949.04	1,358.10	1,179.27	178.82	7.595	
19,400.00	12,136.66	19,178.36	12,012.72	129.20	127.82	84.24	-7,355.21	-1,948.16	1,358.11	1,177.10	181.01	7.503	
19,500.00	12,137.96	19,278.36	12,013.80	130.76	129.38	84.23	-7,455.20	-1,947.29	1,358.13	1,174.93	183.21	7.413	
19,600.00	12,139.26	19,378.36	12,014.88	132.32	130.94	84.22	-7,555.19	-1,946.41	1,358.15	1,172.75	185.40	7.325	
19,700.00	12,140.57	19,478.36	12,015.97	133.88	132.51	84.21	-7,655.18	-1,945.53	1,358.17	1,170.57	187.60	7.240	
19,800.00	12,141.87	19,578.36	12,017.05	135.45	134.08	84.21	-7,755.17	-1,944.65	1,358.19	1,168.39	189.81	7.156	
19,900.00	12,143.17	19,678.36	12,018.13	137.02	135.65	84.20	-7,855.16	-1,943.78	1,358.21	1,166.20	192.01	7.074	
20,000.00	12,144.47	19,778.36	12,019.21	138.58	137.22	84.19	-7,955.15	-1,942.90	1,358.23	1,164.01	194.22	6.993	
20,100.00	12,145.77	19,878.36	12,020.30	140.15	138.79	84.18	-8,055.14	-1,942.02	1,358.25	1,161.82	196.43	6.915	
20,200.00	12,147.07	19,978.36	12,021.38	141.73	140.36	84.17	-8,155.13	-1,941.14	1,358.27	1,159.63	198.64	6.838	
20,300.00	12,148.37	20,078.36	12,022.46	143.30	141.94	84.16	-8,255.12	-1,940.26	1,358.29	1,157.43	200.86	6.762	
20,400.00	12,149.67	20,178.36	12,023.54	144.88	143.52	84.15	-8,355.11	-1,939.39	1,358.31	1,155.23	203.08	6.689	
20,500.00	12,150.97	20,278.36	12,024.63	146.45	145.10	84.14	-8,455.10	-1,938.51	1,358.33	1,153.03	205.30	6.616	
20,600.00	12,152.27	20,378.36	12,025.71	148.03	146.68	84.13	-8,555.09	-1,937.63	1,358.35	1,150.83	207.52	6.546	
20,700.00	12,153.57	20,478.36	12,026.79	149.61	148.26	84.12	-8,655.08	-1,936.75	1,358.37	1,148.63	209.75	6.476	
20,800.00	12,154.87	20,578.36	12,027.87	151.20	149.85	84.11	-8,755.07	-1,935.88	1,358.39	1,146.42	211.97	6.408	
20,900.00	12,156.17	20,678.36	12,028.96	152.78	151.43	84.10	-8,855.06	-1,935.00	1,358.41	1,144.21	214.20	6.342	
21,000.00	12,157.47	20,778.36	12,030.04	154.37	153.02	84.10	-8,955.05	-1,934.12	1,358.43	1,142.00	216.43	6.277	
21,100.00	12,158.77	20,878.36	12,031.12	155.95	154.61	84.09	-9,055.04	-1,933.24	1,358.45	1,139.79	218.66	6.213	
21,200.00	12,160.08	20,978.36	12,032.20	157.54	156.20	84.08	-9,155.03	-1,932.36	1,358.47	1,137.58	220.90	6.150	
21,300.00	12,161.38	21,078.36	12,033.28	159.13	157.79	84.07	-9,255.02	-1,931.49	1,358.49	1,135.36	223.13	6.088	
21,400.00	12,162.68	21,178.36	12,034.37	160.72	159.38	84.06	-9,355.01	-1,930.61	1,358.51	1,133.15	225.37	6.028	
21,500.00	12,163.98	21,278.36	12,035.45	162.31	160.98	84.05	-9,455.00	-1,929.73	1,358.53	1,130.93	227.61	5.969	
21,600.00	12,165.28	21,378.36	12,036.53	163.90	162.57	84.04	-9,554.99	-1,928.85	1,358.55	1,128.71	229.85	5.911	
21,700.00	12,166.58	21,478.36	12,037.61	165.50	164.17	84.03	-9,654.98	-1,927.98	1,358.58	1,126.49	232.09	5.854	
21,800.00	12,167.88	21,578.36	12,038.70	167.09	165.77	84.02	-9,754.97	-1,927.10	1,358.60	1,124.26	234.33	5.798	
21,900.00	12,169.18	21,678.36	12,039.78	168.69	167.36	84.01	-9,854.96	-1,926.22	1,358.62	1,122.04	236.58	5.743	
22,000.00	12,170.48	21,778.36	12,040.86	170.29	168.96	84.00	-9,954.95	-1,925.34	1,358.64	1,119.81	238.82	5.689	
22,100.00	12,171.78	21,878.36	12,041.94	171.89	170.56	83.99	-10,054.94	-1,924.46	1,358.66	1,117.59	241.07	5.636	
22,200.00	12,173.08	21,978.36	12,043.03	173.49	172.16	83.99	-10,154.93	-1,923.59	1,358.68	1,115.36	243.32	5.584	
22,300.00	12,174.38	22,078.36	12,044.11	175.09	173.77	83.98	-10,254.92	-1,922.71	1,358.70	1,113.13	245.57	5.533	
22,400.00	12,175.68	22,178.35	12,045.19	176.69	175.37	83.97	-10,354.91	-1,921.83	1,358.72	1,110.90	247.82	5.483	
22,500.00	12,176.98	22,278.35	12,046.27	178.29	176.97	83.96	-10,454.90	-1,920.95	1,358.74	1,108.67	250.07	5.433	
22,600.00	12,178.29	22,378.35	12,047.36	179.89	178.58	83.95	-10,554.89	-1,920.08	1,358.76	1,106.44	252.32	5.385	
22,700.00	12,179.59	22,478.35	12,048.44	181.50	180.18	83.94	-10,654.88	-1,919.20	1,358.78	1,104.20	254.58	5.337	
22,706.27	12,179.67	22,484.62	12,048.51	181.60	180.29	83.94	-10,661.15	-1,919.14	1,358.78	1,104.06	254.72	5.334	
22,800.00	12,180.89	22,572.67	12,049.46	183.10	181.70	83.93	-10,749.19	-1,918.37	1,358.81	1,102.01	256.80	5.291	ES
22,900.00	12,182.19	22,572.67	12,049.46	184.71	181.70	83.93	-10,749.19	-1,918.37	1,362.93	1,105.22	257.71	5.289	SF
23,000.00	12,183.49	22,572.67	12,049.46	186.31	181.70	83.93	-10,749.19	-1,918.37	1,374.32	1,117.25	257.07	5.346	
23,100.00	12,184.79	22,572.67	12,049.46	187.92	181.70	83.93	-10,749.19	-1,918.37	1,392.82	1,137.82	255.00	5.462	
23,200.00	12,186.09	22,572.67	12,049.46	189.53	181.70	83.93	-10,749.19	-1,918.37	1,418.15	1,166.49	251.66	5.635	
23,300.00	12,187.39	22,572.67	12,049.46	191.14	181.70	83.93	-10,749.19	-1,918.37	1,449.95	1,202.67	247.27	5.864	
23,400.00	12,188.69	22,572.67	12,049.46	192.75	181.70	83.93	-10,749.19	-1,918.37	1,487.79	1,245.72	242.07	6.146	
23,500.00	12,189.99	22,572.67	12,049.46	194.36	181.70	83.93	-10,749.19	-1,918.37	1,531.25	1,294.96	236.29	6.480	
23,600.00	12,191.29	22,572.67	12,049.46	195.97	181.70	83.93	-10,749.19	-1,918.37	1,579.85	1,349.70	230.15	6.864	
23,700.00	12,192.59	22,572.67	12,049.46	197.58	181.70	83.93	-10,749.19	-1,918.37	1,633.13	1,409.31	223.82	7.297	
23,800.00	12,193.89	22,572.67	12,049.46	199.20	181.70	83.93	-10,749.19	-1,918.37	1,690.65	1,473.21	217.45	7.775	
23,900.00	12,195.19	22,572.67	12,049.46	200.81	181.70	83.93	-10,749.19	-1,918.37	1,752.00	1,540.85	211.15	8.298	
24,000.00	12,196.50	22,572.67	12,049.46	202.42	181.70	83.93	-10,749.19	-1,918.37	1,816.78	1,611.78	205.00	8.862	
24,100.00	12,197.80	22,572.67	12,049.46	204.04	181.70	83.93	-10,749.19	-1,918.37	1,884.65	1,685.58	199.07	9.467	
24,110.32	12,197.93	22,572.67	12,049.46	204.20	181.70	83.93	-10,749.19	-1,918.37	1,891.81	1,693.34	198.47	9.532	
24,111.10	12,197.94	22,572.67	12,049.46	204.22	181.70	83.93	-10,749.19	-1,918.37	1,892.35	1,692.89	199.46	9.487	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 701H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	12.00	12.00	0.00	0.02	-92.45	-79.20	-1,850.80	1,852.49				
100.00	100.00	112.00	112.00	0.14	0.18	-92.45	-79.20	-1,850.80	1,852.49	1,852.26	0.23	7,962.173	
200.00	200.00	212.00	212.00	0.50	0.54	-92.45	-79.20	-1,850.80	1,852.49	1,851.76	0.74	2,509.314	
300.00	300.00	312.00	312.00	0.86	0.90	-92.45	-79.20	-1,850.80	1,852.49	1,851.25	1.24	1,488.010	
400.00	400.00	412.00	412.00	1.22	1.26	-92.45	-79.20	-1,850.80	1,852.49	1,850.74	1.75	1,057.483	
500.00	500.00	512.00	512.00	1.58	1.62	-92.45	-79.20	-1,850.80	1,852.49	1,850.24	2.26	820.163	
600.00	600.00	612.00	612.00	1.93	1.98	-92.45	-79.20	-1,850.80	1,852.49	1,849.73	2.77	669.832	
700.00	700.00	712.00	712.00	2.29	2.34	-92.45	-79.20	-1,850.80	1,852.49	1,849.22	3.27	566.072	
800.00	800.00	812.00	812.00	2.65	2.69	-92.45	-79.20	-1,850.80	1,852.49	1,848.71	3.78	490.146	
900.00	900.00	912.00	912.00	3.01	3.05	-92.45	-79.20	-1,850.80	1,852.49	1,848.21	4.29	432.178	
1,000.00	1,000.00	1,012.00	1,012.00	3.37	3.41	-92.45	-79.20	-1,850.80	1,852.49	1,847.70	4.79	386.471	
1,100.00	1,100.00	1,112.00	1,112.00	3.73	3.77	-92.45	-79.20	-1,850.80	1,852.49	1,847.19	5.30	349.507	
1,200.00	1,200.00	1,212.00	1,212.00	4.08	4.13	-92.45	-79.20	-1,850.80	1,852.49	1,846.69	5.81	318.997	
1,300.00	1,300.00	1,312.00	1,312.00	4.44	4.49	-92.45	-79.20	-1,850.80	1,852.49	1,846.18	6.31	293.385	
1,400.00	1,400.00	1,412.00	1,412.00	4.80	4.84	-92.45	-79.20	-1,850.80	1,852.49	1,845.67	6.82	271.581	
1,500.00	1,500.00	1,512.00	1,512.00	5.16	5.20	-92.45	-79.20	-1,850.80	1,852.49	1,845.17	7.33	252.793	
1,600.00	1,600.00	1,612.00	1,612.00	5.52	5.56	-92.45	-79.20	-1,850.80	1,852.49	1,844.66	7.84	236.437	
1,700.00	1,700.00	1,712.00	1,712.00	5.88	5.92	-92.45	-79.20	-1,850.80	1,852.49	1,844.15	8.34	222.068	
1,800.00	1,800.00	1,812.00	1,812.00	6.24	6.28	-92.45	-79.20	-1,850.80	1,852.49	1,843.64	8.85	209.346	
1,900.00	1,900.00	1,912.00	1,912.00	6.59	6.64	-92.45	-79.20	-1,850.80	1,852.49	1,843.14	9.36	198.003	
2,000.00	2,000.00	2,012.00	2,012.00	6.95	7.00	-92.45	-79.20	-1,850.80	1,852.49	1,842.63	9.86	187.825	
2,100.00	2,100.00	2,112.00	2,112.00	7.31	7.35	-92.45	-79.20	-1,850.80	1,852.49	1,842.12	10.37	178.643	
2,200.00	2,200.00	2,212.00	2,212.00	7.67	7.71	-92.45	-79.20	-1,850.80	1,852.49	1,841.62	10.88	170.317	
2,300.00	2,300.00	2,312.00	2,312.00	8.03	8.07	-92.45	-79.20	-1,850.80	1,852.49	1,841.11	11.38	162.732	
2,400.00	2,400.00	2,412.00	2,412.00	8.39	8.43	-92.45	-79.20	-1,850.80	1,852.49	1,840.60	11.89	155.794	
2,500.00	2,500.00	2,512.00	2,512.00	8.74	8.79	-92.45	-79.20	-1,850.80	1,852.49	1,840.10	12.40	149.423	
2,600.00	2,600.00	2,612.00	2,612.00	9.10	9.15	-92.45	-79.20	-1,850.80	1,852.49	1,839.59	12.90	143.553	
2,700.00	2,700.00	2,712.00	2,712.00	9.46	9.50	-92.45	-79.20	-1,850.80	1,852.49	1,839.08	13.41	138.127	
2,800.00	2,800.00	2,812.00	2,812.00	9.82	9.86	-92.45	-79.20	-1,850.80	1,852.49	1,838.58	13.92	133.096	
2,900.00	2,900.00	2,912.00	2,912.00	10.18	10.22	-92.45	-79.20	-1,850.80	1,852.49	1,838.07	14.43	128.418	
3,000.00	3,000.00	3,012.00	3,012.00	10.54	10.58	-92.45	-79.20	-1,850.80	1,852.49	1,837.56	14.93	124.059	
3,100.00	3,100.00	3,112.00	3,112.00	10.90	10.94	-92.45	-79.20	-1,850.80	1,852.49	1,837.05	15.44	119.985	
3,200.00	3,200.00	3,212.00	3,212.00	11.25	11.30	-92.45	-79.20	-1,850.80	1,852.49	1,836.55	15.95	116.171	
3,300.00	3,300.00	3,312.00	3,312.00	11.61	11.66	-92.45	-79.20	-1,850.80	1,852.49	1,836.04	16.45	112.591	
3,400.00	3,400.00	3,412.00	3,412.00	11.97	12.01	-92.45	-79.20	-1,850.80	1,852.49	1,835.53	16.96	109.226	
3,500.00	3,500.00	3,512.00	3,512.00	12.33	12.37	-92.45	-79.20	-1,850.80	1,852.49	1,835.03	17.47	106.056	
3,600.00	3,600.00	3,612.00	3,612.00	12.69	12.73	-92.45	-79.20	-1,850.80	1,852.49	1,834.52	17.97	103.064	
3,700.00	3,700.00	3,712.00	3,712.00	13.05	13.09	-92.45	-79.20	-1,850.80	1,852.49	1,834.01	18.48	100.237	
3,800.00	3,800.00	3,812.00	3,812.00	13.41	13.45	-92.45	-79.20	-1,850.80	1,852.49	1,833.51	18.99	97.561	
3,900.00	3,900.00	3,912.00	3,912.00	13.76	13.81	-92.45	-79.20	-1,850.80	1,852.49	1,833.00	19.49	95.024	
4,000.00	4,000.00	4,012.00	4,012.00	14.12	14.17	-92.45	-79.20	-1,850.80	1,852.49	1,832.49	20.00	92.616	
4,100.00	4,100.00	4,112.00	4,112.00	14.48	14.52	-92.45	-79.20	-1,850.80	1,852.49	1,831.98	20.51	90.326	
4,200.00	4,200.00	4,212.00	4,212.00	14.84	14.88	-92.45	-79.20	-1,850.80	1,852.49	1,831.48	21.02	88.147	
4,300.00	4,300.00	4,312.00	4,312.00	15.20	15.24	-92.45	-79.20	-1,850.80	1,852.49	1,830.97	21.52	86.071	
4,400.00	4,400.00	4,412.00	4,412.00	15.56	15.60	-92.45	-79.20	-1,850.80	1,852.49	1,830.46	22.03	84.090	
4,500.00	4,500.00	4,512.00	4,512.00	15.91	15.96	-92.45	-79.20	-1,850.80	1,852.49	1,829.96	22.54	82.199	
4,550.00	4,550.00	4,562.00	4,562.00	16.09	16.14	-92.45	-79.20	-1,850.80	1,852.49	1,829.70	22.79	81.285	
4,600.00	4,600.00	4,617.26	4,617.26	16.27	16.33	-19.24	-79.17	-1,850.78	1,852.17	1,829.11	23.05	80.339	
4,700.00	4,699.96	4,760.92	4,760.87	16.62	16.85	-19.22	-76.48	-1,848.78	1,848.23	1,824.58	23.65	78.138	
4,800.00	4,799.82	4,903.77	4,903.45	16.96	17.35	-19.13	-69.50	-1,843.62	1,839.48	1,815.24	24.24	75.893	
4,900.00	4,899.51	5,011.87	5,011.15	17.31	17.74	-19.05	-62.01	-1,838.08	1,826.67	1,801.93	24.75	73.815	
5,000.00	4,998.96	5,110.64	5,109.54	17.66	18.09	-19.02	-55.08	-1,832.95	1,811.38	1,786.14	25.24	71.774	

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

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Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 701H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.10	5,209.02	5,207.54	18.02	18.44	-19.02	-48.18	-1,827.85	1,793.64	1,767.92	25.73	69.720	
5,200.00	5,196.87	5,306.94	5,305.10	18.38	18.79	-19.07	-41.32	-1,822.77	1,773.48	1,747.27	26.21	67.652	
5,216.82	5,213.44	5,323.37	5,321.46	18.44	18.85	-19.08	-40.16	-1,821.91	1,769.85	1,743.56	26.30	67.302	
5,300.00	5,295.35	5,404.55	5,402.33	18.74	19.14	-19.05	-34.47	-1,817.70	1,751.74	1,725.04	26.70	65.604	
5,400.00	5,393.83	5,502.14	5,499.55	19.11	19.49	-19.01	-27.63	-1,812.64	1,729.96	1,702.77	27.19	63.625	
5,500.00	5,492.31	5,599.73	5,596.77	19.48	19.85	-18.97	-20.78	-1,807.57	1,708.19	1,680.51	27.68	61.713	
5,600.00	5,590.79	5,697.33	5,693.99	19.85	20.20	-18.93	-13.94	-1,802.51	1,686.42	1,658.24	28.17	59.865	
5,700.00	5,689.27	5,794.92	5,791.21	20.23	20.55	-18.89	-7.10	-1,797.44	1,664.64	1,635.98	28.66	58.078	
5,800.00	5,787.75	5,892.51	5,888.43	20.61	20.91	-18.84	-0.25	-1,792.38	1,642.87	1,613.71	29.16	56.348	
5,900.00	5,886.23	5,990.11	5,985.65	20.99	21.26	-18.80	6.59	-1,787.31	1,621.10	1,591.45	29.65	54.674	
6,000.00	5,984.71	6,087.70	6,082.88	21.38	21.62	-18.75	13.44	-1,782.25	1,599.33	1,569.18	30.15	53.053	
6,100.00	6,083.19	6,185.29	6,180.10	21.77	21.97	-18.71	20.28	-1,777.19	1,577.56	1,546.91	30.64	51.483	
6,200.00	6,181.67	6,282.89	6,277.32	22.16	22.33	-18.66	27.12	-1,772.12	1,555.79	1,524.65	31.14	49.961	
6,300.00	6,280.15	6,380.48	6,374.54	22.55	22.68	-18.61	33.97	-1,767.06	1,534.02	1,502.38	31.64	48.486	
6,400.00	6,378.63	6,478.07	6,471.76	22.95	23.04	-18.56	40.81	-1,761.99	1,512.25	1,480.11	32.14	47.055	
6,500.00	6,477.11	6,575.67	6,568.98	23.34	23.40	-18.51	47.65	-1,756.93	1,490.49	1,457.85	32.64	45.667	
6,600.00	6,575.59	6,673.26	6,666.20	23.75	23.76	-18.45	54.50	-1,751.86	1,468.72	1,435.58	33.14	44.320	
6,700.00	6,674.07	6,770.85	6,763.43	24.15	24.12	-18.40	61.34	-1,746.80	1,446.96	1,413.32	33.64	43.012	
6,800.00	6,772.56	6,868.45	6,860.65	24.55	24.48	-18.34	68.19	-1,741.73	1,425.20	1,391.05	34.14	41.741	
6,900.00	6,871.04	6,966.04	6,957.87	24.96	24.84	-18.28	75.03	-1,736.67	1,403.44	1,368.79	34.65	40.506	
7,000.00	6,969.52	7,063.63	7,055.09	25.36	25.20	-18.22	81.87	-1,731.61	1,381.68	1,346.53	35.15	39.306	
7,100.00	7,068.00	7,161.23	7,152.31	25.77	25.56	-18.16	88.72	-1,726.54	1,359.92	1,324.26	35.66	38.140	
7,200.00	7,166.48	7,258.82	7,249.53	26.18	25.92	-18.10	95.56	-1,721.48	1,338.16	1,302.00	36.16	37.005	
7,300.00	7,264.96	7,356.41	7,346.75	26.59	26.28	-18.03	102.40	-1,716.41	1,316.41	1,279.74	36.67	35.901	
7,400.00	7,363.44	7,451.80	7,441.77	27.01	26.63	-17.96	109.09	-1,711.46	1,294.66	1,257.49	37.17	34.829	
7,500.00	7,461.92	7,534.82	7,524.55	27.42	26.94	-17.93	114.19	-1,707.69	1,273.57	1,235.90	37.66	33.816	
7,600.00	7,560.40	7,616.45	7,606.06	27.84	27.23	-17.97	117.80	-1,705.02	1,253.74	1,215.59	38.15	32.866	
7,700.00	7,658.88	7,700.00	7,689.56	28.25	27.54	-18.08	120.03	-1,703.37	1,235.19	1,196.56	38.63	31.975	
7,800.00	7,757.36	7,785.45	7,775.00	28.67	27.84	-18.26	120.80	-1,702.80	1,217.95	1,178.84	39.11	31.139	
7,900.00	7,855.84	7,878.28	7,867.84	29.09	28.17	-18.51	120.80	-1,702.80	1,201.43	1,161.82	39.61	30.332	
8,000.00	7,954.32	7,976.76	7,966.32	29.51	28.52	-18.77	120.80	-1,702.80	1,184.94	1,144.83	40.12	29.537	
8,100.00	8,052.80	8,075.24	8,064.80	29.93	28.87	-19.05	120.80	-1,702.80	1,168.49	1,127.86	40.63	28.763	
8,200.00	8,151.28	8,173.72	8,163.28	30.36	29.22	-19.33	120.80	-1,702.80	1,152.06	1,110.92	41.13	28.007	
8,300.00	8,249.76	8,272.20	8,261.76	30.78	29.57	-19.62	120.80	-1,702.80	1,135.65	1,094.01	41.64	27.270	
8,400.00	8,348.24	8,370.69	8,360.24	31.20	29.92	-19.92	120.80	-1,702.80	1,119.28	1,077.12	42.15	26.552	
8,500.00	8,446.72	8,469.17	8,458.72	31.63	30.26	-20.22	120.80	-1,702.80	1,102.94	1,060.27	42.67	25.851	
8,535.38	8,481.56	8,504.01	8,493.56	31.78	30.39	-20.33	120.80	-1,702.80	1,097.16	1,054.31	42.85	25.606	
8,600.00	8,545.29	8,567.74	8,557.29	32.05	30.61	-20.47	120.80	-1,702.80	1,087.13	1,043.95	43.18	25.178	
8,700.00	8,644.24	8,666.69	8,656.24	32.46	30.97	-20.67	120.80	-1,702.80	1,073.63	1,029.94	43.69	24.574	
8,800.00	8,743.54	8,765.99	8,755.54	32.86	31.32	-20.84	120.80	-1,702.80	1,062.57	1,018.37	44.20	24.041	
8,900.00	8,843.11	8,865.56	8,855.11	33.24	31.67	-20.97	120.80	-1,702.80	1,053.96	1,009.26	44.71	23.575	
9,000.00	8,942.89	8,965.34	8,954.89	33.61	32.03	-21.06	120.80	-1,702.80	1,047.80	1,002.59	45.21	23.175	
9,100.00	9,042.81	9,065.26	9,054.81	33.96	32.38	-21.12	120.80	-1,702.80	1,044.09	998.37	45.72	22.839	
9,202.20	9,145.00	9,167.45	9,157.00	34.31	32.75	-94.36	120.80	-1,702.80	1,042.81	996.59	46.23	22.559	
9,300.00	9,242.80	9,265.25	9,254.80	34.64	33.09	-94.36	120.80	-1,702.80	1,042.81	996.10	46.71	22.323	
9,400.00	9,342.80	9,365.25	9,354.80	34.98	33.45	-94.36	120.80	-1,702.80	1,042.81	995.60	47.21	22.088	
9,500.00	9,442.80	9,465.25	9,454.80	35.32	33.80	-94.36	120.80	-1,702.80	1,042.81	995.10	47.71	21.857	
9,600.00	9,542.80	9,565.25	9,554.80	35.65	34.16	-94.36	120.80	-1,702.80	1,042.81	994.60	48.21	21.631	
9,700.00	9,642.80	9,665.25	9,654.80	35.99	34.52	-94.36	120.80	-1,702.80	1,042.81	994.10	48.71	21.410	
9,800.00	9,742.80	9,765.25	9,754.80	36.33	34.87	-94.36	120.80	-1,702.80	1,042.81	993.61	49.21	21.192	
9,900.00	9,842.80	9,865.25	9,854.80	36.67	35.23	-94.36	120.80	-1,702.80	1,042.81	993.11	49.71	20.980	
10,000.00	9,942.80	9,965.25	9,954.80	37.01	35.58	-94.36	120.80	-1,702.80	1,042.81	992.61	50.21	20.771	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 701H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,042.80	10,065.25	10,054.80	37.35	35.94	-94.36	120.80	-1,702.80	1,042.81	992.11	50.70	20.566	
10,200.00	10,142.80	10,165.25	10,154.80	37.69	36.30	-94.36	120.80	-1,702.80	1,042.81	991.61	51.20	20.366	
10,300.00	10,242.80	10,265.25	10,254.80	38.03	36.65	-94.36	120.80	-1,702.80	1,042.81	991.11	51.70	20.169	
10,400.00	10,342.80	10,365.25	10,354.80	38.37	37.01	-94.36	120.80	-1,702.80	1,042.81	990.61	52.20	19.976	
10,500.00	10,442.80	10,465.25	10,454.80	38.71	37.36	-94.36	120.80	-1,702.80	1,042.81	990.11	52.70	19.786	
10,600.00	10,542.80	10,565.25	10,554.80	39.05	37.72	-94.36	120.80	-1,702.80	1,042.81	989.61	53.20	19.600	
10,700.00	10,642.80	10,665.25	10,654.80	39.39	38.08	-94.36	120.80	-1,702.80	1,042.81	989.11	53.70	19.418	
10,800.00	10,742.80	10,765.25	10,754.80	39.73	38.43	-94.36	120.80	-1,702.80	1,042.81	988.61	54.20	19.238	
10,900.00	10,842.80	10,865.25	10,854.80	40.07	38.79	-94.36	120.80	-1,702.80	1,042.81	988.11	54.71	19.062	
11,000.00	10,942.80	10,965.25	10,954.80	40.42	39.15	-94.36	120.80	-1,702.80	1,042.81	987.61	55.21	18.889	
11,100.00	11,042.80	11,065.25	11,054.80	40.76	39.50	-94.36	120.80	-1,702.80	1,042.81	987.11	55.71	18.720	
11,200.00	11,142.80	11,165.25	11,154.80	41.10	39.86	-94.36	120.80	-1,702.80	1,042.81	986.60	56.21	18.553	
11,300.00	11,242.80	11,265.25	11,254.80	41.45	40.22	-94.36	120.80	-1,702.80	1,042.81	986.10	56.71	18.389	
11,400.00	11,342.80	11,365.25	11,354.80	41.79	40.57	-94.36	120.80	-1,702.80	1,042.81	985.60	57.21	18.228	
11,500.00	11,442.80	11,465.25	11,454.80	42.13	40.93	-94.36	120.80	-1,702.80	1,042.81	985.10	57.71	18.070	
11,530.20	11,473.00	11,495.45	11,485.00	42.24	41.04	-94.36	120.80	-1,702.80	1,042.81	984.95	57.86	18.022	
11,550.00	11,492.79	11,515.24	11,504.79	42.30	41.11	86.17	120.80	-1,702.80	1,042.79	984.83	57.96	17.992	
11,600.00	11,542.62	11,565.07	11,554.62	42.45	41.28	86.41	120.80	-1,702.80	1,042.54	984.34	58.19	17.915	
11,650.00	11,591.93	11,614.37	11,603.93	42.60	41.46	86.90	120.80	-1,702.80	1,042.05	983.63	58.42	17.837	
11,700.00	11,640.32	11,662.77	11,652.32	42.74	41.63	87.63	120.80	-1,702.80	1,041.43	982.79	58.64	17.761	
11,750.00	11,687.45	11,707.92	11,697.44	42.87	41.78	88.44	119.51	-1,702.79	1,040.88	982.05	58.83	17.692	
11,800.00	11,732.94	11,753.62	11,742.87	42.99	41.93	89.27	114.63	-1,702.75	1,040.55	981.53	59.02	17.630	
11,843.70	11,771.08	11,794.50	11,783.06	43.09	42.05	90.00	107.21	-1,702.68	1,040.45	981.28	59.18	17.582	CC
11,850.00	11,776.45	11,800.47	11,788.88	43.10	42.07	90.10	105.88	-1,702.67	1,040.46	981.26	59.20	17.575	
11,900.00	11,817.65	11,848.60	11,835.25	43.20	42.20	90.95	93.02	-1,702.56	1,040.62	981.24	59.37	17.527	
11,950.00	11,856.23	11,898.13	11,881.66	43.28	42.34	91.80	75.77	-1,702.41	1,041.03	981.49	59.54	17.485	
12,000.00	11,891.90	11,949.20	11,927.76	43.36	42.46	92.65	53.86	-1,702.22	1,041.71	982.01	59.69	17.451	
12,050.00	11,924.37	12,001.94	11,973.14	43.42	42.58	93.50	27.01	-1,701.99	1,042.62	982.78	59.84	17.423	
12,100.00	11,953.41	12,056.50	12,017.28	43.47	42.69	94.33	-5.03	-1,701.71	1,043.77	983.79	59.97	17.404	
12,150.00	11,978.80	12,113.01	12,059.57	43.52	42.80	95.15	-42.48	-1,701.38	1,045.11	985.02	60.09	17.392	
12,200.00	12,000.33	12,171.60	12,099.29	43.56	42.90	95.95	-85.51	-1,701.01	1,046.61	986.41	60.20	17.386	
12,250.00	12,017.85	12,232.36	12,135.62	43.61	43.02	96.71	-134.17	-1,700.59	1,048.22	987.93	60.29	17.386	
12,300.00	12,031.23	12,295.34	12,167.63	43.66	43.16	97.43	-188.38	-1,700.12	1,049.88	989.50	60.38	17.389	
12,350.00	12,040.35	12,360.57	12,194.30	43.72	43.31	98.10	-247.86	-1,699.60	1,051.52	991.06	60.46	17.392	
12,400.00	12,045.16	12,427.98	12,214.58	43.79	43.47	98.70	-312.11	-1,699.04	1,053.08	992.53	60.55	17.392	
12,422.75	12,045.91	12,459.34	12,221.41	43.83	43.54	98.95	-342.71	-1,698.77	1,053.74	993.14	60.60	17.390	
12,500.00	12,046.91	12,567.20	12,231.97	44.00	43.80	99.44	-449.88	-1,697.84	1,054.79	993.95	60.84	17.338	
12,600.00	12,048.22	12,667.20	12,233.05	44.29	44.09	99.43	-549.87	-1,696.98	1,054.76	993.50	61.26	17.219	
12,700.00	12,049.52	12,767.20	12,234.13	44.65	44.43	99.42	-649.86	-1,696.11	1,054.73	992.98	61.75	17.080	
12,800.00	12,050.82	12,867.20	12,235.22	45.08	44.83	99.41	-749.85	-1,695.24	1,054.70	992.37	62.33	16.921	
12,900.00	12,052.12	12,967.20	12,236.30	45.57	45.28	99.40	-849.85	-1,694.37	1,054.67	991.68	62.99	16.743	
13,000.00	12,053.42	13,067.20	12,237.38	46.12	45.79	99.38	-949.84	-1,693.50	1,054.65	990.92	63.73	16.549	
13,100.00	12,054.72	13,167.20	12,238.46	46.72	46.35	99.37	-1,049.83	-1,692.63	1,054.62	990.08	64.54	16.341	
13,200.00	12,056.02	13,267.20	12,239.55	47.37	46.96	99.36	-1,149.82	-1,691.77	1,054.59	989.17	65.42	16.120	
13,300.00	12,057.32	13,367.20	12,240.63	48.07	47.62	99.35	-1,249.81	-1,690.90	1,054.56	988.19	66.37	15.889	
13,400.00	12,058.62	13,467.20	12,241.71	48.81	48.33	99.34	-1,349.80	-1,690.03	1,054.53	987.14	67.39	15.649	
13,500.00	12,059.92	13,567.20	12,242.80	49.60	49.08	99.33	-1,449.79	-1,689.16	1,054.50	986.04	68.47	15.402	
13,600.00	12,061.22	13,667.19	12,243.88	50.43	49.88	99.31	-1,549.78	-1,688.29	1,054.48	984.87	69.61	15.149	
13,700.00	12,062.52	13,767.19	12,244.96	51.30	50.72	99.30	-1,649.77	-1,687.42	1,054.45	983.64	70.80	14.892	
13,800.00	12,063.82	13,867.19	12,246.04	52.21	51.60	99.29	-1,749.76	-1,686.56	1,054.42	982.36	72.06	14.633	
13,900.00	12,065.12	13,967.19	12,247.13	53.16	52.51	99.28	-1,849.75	-1,685.69	1,054.39	981.03	73.36	14.373	
14,000.00	12,066.42	14,067.19	12,248.21	54.13	53.46	99.27	-1,949.74	-1,684.82	1,054.36	979.65	74.71	14.112	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 701H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,067.73	14,167.19	12,249.29	55.14	54.45	99.26	-2,049.73	-1,683.95	1,054.34	978.22	76.11	13.853	
14,200.00	12,069.03	14,267.19	12,250.38	56.18	55.46	99.24	-2,149.72	-1,683.08	1,054.31	976.75	77.55	13.595	
14,300.00	12,070.33	14,367.19	12,251.46	57.25	56.51	99.23	-2,249.71	-1,682.21	1,054.28	975.24	79.04	13.339	
14,400.00	12,071.63	14,467.19	12,252.54	58.35	57.58	99.22	-2,349.70	-1,681.35	1,054.25	973.69	80.56	13.087	
14,500.00	12,072.93	14,567.19	12,253.62	59.47	58.68	99.21	-2,449.69	-1,680.48	1,054.22	972.11	82.12	12.838	
14,600.00	12,074.23	14,667.19	12,254.71	60.61	59.81	99.20	-2,549.68	-1,679.61	1,054.20	970.48	83.71	12.593	
14,700.00	12,075.53	14,767.19	12,255.79	61.78	60.96	99.19	-2,649.67	-1,678.74	1,054.17	968.83	85.34	12.353	
14,800.00	12,076.83	14,867.19	12,256.87	62.97	62.13	99.17	-2,749.66	-1,677.87	1,054.14	967.14	87.00	12.117	
14,900.00	12,078.13	14,967.19	12,257.96	64.18	63.33	99.16	-2,849.65	-1,677.00	1,054.11	965.43	88.69	11.886	
15,000.00	12,079.43	15,067.19	12,259.04	65.41	64.54	99.15	-2,949.64	-1,676.14	1,054.09	963.68	90.40	11.660	
15,100.00	12,080.73	15,167.19	12,260.12	66.66	65.78	99.14	-3,049.63	-1,675.27	1,054.06	961.91	92.14	11.439	
15,200.00	12,082.03	15,267.19	12,261.20	67.93	67.03	99.13	-3,149.62	-1,674.40	1,054.03	960.12	93.91	11.224	
15,300.00	12,083.33	15,367.19	12,262.29	69.21	68.30	99.11	-3,249.61	-1,673.53	1,054.00	958.30	95.70	11.014	
15,400.00	12,084.63	15,467.19	12,263.37	70.50	69.58	99.10	-3,349.60	-1,672.66	1,053.98	956.46	97.51	10.809	
15,500.00	12,085.94	15,567.19	12,264.45	71.82	70.88	99.09	-3,449.59	-1,671.79	1,053.95	954.60	99.34	10.609	
15,600.00	12,087.24	15,667.19	12,265.54	73.14	72.20	99.08	-3,549.58	-1,670.93	1,053.92	952.72	101.20	10.415	
15,700.00	12,088.54	15,767.19	12,266.62	74.48	73.52	99.07	-3,649.57	-1,670.06	1,053.89	950.83	103.07	10.225	
15,800.00	12,089.84	15,867.19	12,267.70	75.83	74.87	99.06	-3,749.56	-1,669.19	1,053.87	948.91	104.96	10.041	
15,900.00	12,091.14	15,967.19	12,268.78	77.19	76.22	99.04	-3,849.55	-1,668.32	1,053.84	946.98	106.86	9.862	
16,000.00	12,092.44	16,067.19	12,269.87	78.57	77.58	99.03	-3,949.54	-1,667.45	1,053.81	945.03	108.78	9.687	
16,100.00	12,093.74	16,167.19	12,270.95	79.95	78.96	99.02	-4,049.53	-1,666.59	1,053.79	943.07	110.72	9.518	
16,200.00	12,095.04	16,267.19	12,272.03	81.34	80.35	99.01	-4,149.52	-1,665.72	1,053.76	941.09	112.67	9.353	
16,300.00	12,096.34	16,367.19	12,273.12	82.75	81.74	99.00	-4,249.51	-1,664.85	1,053.73	939.10	114.63	9.192	
16,400.00	12,097.64	16,467.19	12,274.20	84.16	83.15	98.99	-4,349.50	-1,663.98	1,053.70	937.09	116.61	9.036	
16,500.00	12,098.94	16,567.19	12,275.28	85.58	84.56	98.97	-4,449.49	-1,663.11	1,053.68	935.08	118.60	8.884	
16,600.00	12,100.24	16,667.19	12,276.36	87.01	85.99	98.96	-4,549.48	-1,662.24	1,053.65	933.05	120.60	8.737	
16,700.00	12,101.54	16,767.19	12,277.45	88.45	87.42	98.95	-4,649.47	-1,661.38	1,053.62	931.01	122.61	8.593	
16,800.00	12,102.84	16,867.19	12,278.53	89.89	88.86	98.94	-4,749.46	-1,660.51	1,053.60	928.96	124.64	8.453	
16,900.00	12,104.15	16,967.19	12,279.61	91.34	90.30	98.93	-4,849.45	-1,659.64	1,053.57	926.90	126.67	8.318	
17,000.00	12,105.45	17,067.19	12,280.70	92.80	91.75	98.91	-4,949.44	-1,658.77	1,053.54	924.83	128.71	8.185	
17,100.00	12,106.75	17,167.19	12,281.78	94.26	93.21	98.90	-5,049.43	-1,657.90	1,053.52	922.75	130.76	8.057	
17,200.00	12,108.05	17,267.19	12,282.86	95.74	94.68	98.89	-5,149.42	-1,657.03	1,053.49	920.67	132.82	7.932	
17,300.00	12,109.35	17,367.19	12,283.94	97.21	96.15	98.88	-5,249.41	-1,656.17	1,053.46	918.57	134.89	7.810	
17,400.00	12,110.65	17,467.19	12,285.03	98.69	97.63	98.87	-5,349.40	-1,655.30	1,053.44	916.47	136.96	7.691	
17,500.00	12,111.95	17,567.19	12,286.11	100.18	99.11	98.86	-5,449.39	-1,654.43	1,053.41	914.36	139.05	7.576	
17,600.00	12,113.25	17,667.19	12,287.19	101.67	100.60	98.84	-5,549.38	-1,653.56	1,053.38	912.25	141.14	7.463	
17,700.00	12,114.55	17,767.19	12,288.28	103.17	102.10	98.83	-5,649.37	-1,652.69	1,053.36	910.12	143.24	7.354	
17,800.00	12,115.85	17,867.19	12,289.36	104.67	103.59	98.82	-5,749.36	-1,651.82	1,053.33	907.99	145.34	7.247	
17,900.00	12,117.15	17,967.18	12,290.44	106.18	105.10	98.81	-5,849.35	-1,650.96	1,053.30	905.85	147.45	7.143	
18,000.00	12,118.45	18,067.18	12,291.52	107.69	106.60	98.80	-5,949.34	-1,650.09	1,053.28	903.71	149.57	7.042	
18,100.00	12,119.75	18,167.18	12,292.61	109.20	108.12	98.79	-6,049.33	-1,649.22	1,053.25	901.56	151.69	6.943	
18,200.00	12,121.05	18,267.18	12,293.69	110.72	109.63	98.77	-6,149.32	-1,648.35	1,053.23	899.41	153.82	6.847	
18,300.00	12,122.36	18,367.18	12,294.77	112.25	111.15	98.76	-6,249.31	-1,647.48	1,053.20	897.25	155.95	6.753	
18,400.00	12,123.66	18,467.18	12,295.85	113.77	112.68	98.75	-6,349.30	-1,646.61	1,053.17	895.08	158.09	6.662	
18,500.00	12,124.96	18,567.18	12,296.94	115.30	114.20	98.74	-6,449.29	-1,645.75	1,053.15	892.91	160.23	6.573	
18,600.00	12,126.26	18,667.18	12,298.02	116.83	115.73	98.73	-6,549.28	-1,644.88	1,053.12	890.74	162.38	6.485	
18,700.00	12,127.56	18,767.18	12,299.10	118.37	117.27	98.71	-6,649.27	-1,644.01	1,053.10	888.56	164.53	6.400	
18,800.00	12,128.86	18,867.18	12,300.19	119.91	118.80	98.70	-6,749.26	-1,643.14	1,053.07	886.38	166.69	6.317	
18,900.00	12,130.16	18,967.18	12,301.27	121.45	120.34	98.69	-6,849.25	-1,642.27	1,053.04	884.19	168.85	6.236	
19,000.00	12,131.46	19,067.18	12,302.35	123.00	121.89	98.68	-6,949.24	-1,641.40	1,053.02	882.00	171.02	6.157	
19,100.00	12,132.76	19,167.18	12,303.43	124.54	123.43	98.67	-7,049.23	-1,640.54	1,052.99	879.81	173.19	6.080	
19,200.00	12,134.06	19,267.18	12,304.52	126.10	124.98	98.66	-7,149.22	-1,639.67	1,052.97	877.61	175.36	6.005	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design Judge Baylor Fed Com - Judge Baylor Fed Com 701H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,300.00	12,135.36	19,367.18	12,305.60	127.65	126.53	98.64	-7,249.21	-1,638.80	1,052.94	875.41	177.54	5.931	
19,400.00	12,136.66	19,467.18	12,306.68	129.20	128.09	98.63	-7,349.20	-1,637.93	1,052.92	873.20	179.71	5.859	
19,500.00	12,137.96	19,567.18	12,307.77	130.76	129.64	98.62	-7,449.19	-1,637.06	1,052.89	870.99	181.90	5.788	
19,600.00	12,139.26	19,667.18	12,308.85	132.32	131.20	98.61	-7,549.18	-1,636.19	1,052.86	868.78	184.09	5.719	
19,700.00	12,140.57	19,767.18	12,309.93	133.88	132.76	98.60	-7,649.17	-1,635.33	1,052.84	866.56	186.27	5.652	
19,800.00	12,141.87	19,867.18	12,311.01	135.45	134.32	98.58	-7,749.16	-1,634.46	1,052.81	864.35	188.47	5.586	
19,900.00	12,143.17	19,967.18	12,312.10	137.02	135.89	98.57	-7,849.15	-1,633.59	1,052.79	862.12	190.66	5.522	
20,000.00	12,144.47	20,067.18	12,313.18	138.58	137.46	98.56	-7,949.14	-1,632.72	1,052.76	859.90	192.86	5.459	
20,100.00	12,145.77	20,167.18	12,314.26	140.15	139.03	98.55	-8,049.13	-1,631.85	1,052.74	857.67	195.06	5.397	
20,200.00	12,147.07	20,267.18	12,315.35	141.73	140.60	98.54	-8,149.12	-1,630.98	1,052.71	855.44	197.27	5.336	
20,300.00	12,148.37	20,367.18	12,316.43	143.30	142.17	98.53	-8,249.11	-1,630.12	1,052.69	853.21	199.48	5.277	
20,400.00	12,149.67	20,467.18	12,317.51	144.88	143.74	98.51	-8,349.10	-1,629.25	1,052.66	850.98	201.68	5.219	
20,500.00	12,150.97	20,567.18	12,318.59	146.45	145.32	98.50	-8,449.10	-1,628.38	1,052.64	848.74	203.89	5.163	
20,600.00	12,152.27	20,667.18	12,319.68	148.03	146.90	98.49	-8,549.09	-1,627.51	1,052.61	846.50	206.11	5.107	
20,700.00	12,153.57	20,767.18	12,320.76	149.61	148.48	98.48	-8,649.08	-1,626.64	1,052.59	844.26	208.32	5.053	
20,800.00	12,154.87	20,867.18	12,321.84	151.20	150.06	98.47	-8,749.07	-1,625.77	1,052.56	842.02	210.54	4.999	
20,900.00	12,156.17	20,967.18	12,322.93	152.78	151.64	98.46	-8,849.06	-1,624.91	1,052.54	839.77	212.76	4.947	
21,000.00	12,157.47	21,067.18	12,324.01	154.37	153.23	98.44	-8,949.05	-1,624.04	1,052.51	837.53	214.98	4.896	
21,100.00	12,158.77	21,167.18	12,325.09	155.95	154.81	98.43	-9,049.04	-1,623.17	1,052.49	835.28	217.21	4.846	
21,200.00	12,160.08	21,267.18	12,326.17	157.54	156.40	98.42	-9,149.03	-1,622.30	1,052.46	833.03	219.43	4.796	
21,300.00	12,161.38	21,367.18	12,327.26	159.13	157.99	98.41	-9,249.02	-1,621.43	1,052.44	830.77	221.66	4.748	
21,400.00	12,162.68	21,467.18	12,328.34	160.72	159.58	98.40	-9,349.01	-1,620.56	1,052.41	828.52	223.89	4.701	
21,500.00	12,163.98	21,567.18	12,329.42	162.31	161.17	98.38	-9,449.00	-1,619.70	1,052.39	826.26	226.12	4.654	
21,600.00	12,165.28	21,667.18	12,330.51	163.90	162.76	98.37	-9,548.99	-1,618.83	1,052.36	824.00	228.36	4.608	
21,700.00	12,166.58	21,767.18	12,331.59	165.50	164.35	98.36	-9,648.98	-1,617.96	1,052.34	821.74	230.59	4.564	
21,800.00	12,167.88	21,867.18	12,332.67	167.09	165.95	98.35	-9,748.97	-1,617.09	1,052.31	819.48	232.83	4.520	
21,900.00	12,169.18	21,967.18	12,333.75	168.69	167.54	98.34	-9,848.96	-1,616.22	1,052.29	817.22	235.07	4.477	
22,000.00	12,170.48	22,067.18	12,334.84	170.29	169.14	98.33	-9,948.95	-1,615.35	1,052.26	814.96	237.31	4.434	
22,100.00	12,171.78	22,167.17	12,335.92	171.89	170.74	98.31	-10,048.94	-1,614.49	1,052.24	812.69	239.55	4.393	
22,200.00	12,173.08	22,267.17	12,337.00	173.49	172.34	98.30	-10,148.93	-1,613.62	1,052.22	810.43	241.79	4.352	
22,300.00	12,174.38	22,367.17	12,338.09	175.09	173.94	98.29	-10,248.92	-1,612.75	1,052.19	808.16	244.03	4.312	
22,400.00	12,175.68	22,467.17	12,339.17	176.69	175.54	98.28	-10,348.91	-1,611.88	1,052.17	805.89	246.28	4.272	
22,500.00	12,176.98	22,567.17	12,340.25	178.29	177.14	98.27	-10,448.90	-1,611.01	1,052.14	803.62	248.52	4.234	
22,600.00	12,178.29	22,667.17	12,341.33	179.89	178.74	98.25	-10,548.89	-1,610.14	1,052.12	801.35	250.77	4.195	
22,700.00	12,179.59	22,767.17	12,342.42	181.50	180.34	98.24	-10,648.88	-1,609.28	1,052.09	799.07	253.02	4.158	
22,792.89	12,180.79	22,860.06	12,343.42	182.99	181.83	98.23	-10,741.75	-1,608.47	1,052.07	796.96	255.11	4.124	
22,800.00	12,180.89	22,863.52	12,343.46	183.10	181.89	98.23	-10,745.21	-1,608.44	1,052.08	796.83	255.25	4.122	ES, SF
22,900.00	12,182.19	22,863.52	12,343.46	184.71	181.89	98.23	-10,745.21	-1,608.44	1,057.14	801.78	255.36	4.140	
23,000.00	12,183.49	22,863.52	12,343.46	186.31	181.89	98.23	-10,745.21	-1,608.44	1,071.55	818.70	252.85	4.238	
23,100.00	12,184.79	22,863.52	12,343.46	187.92	181.89	98.23	-10,745.21	-1,608.44	1,094.95	846.88	248.06	4.414	
23,200.00	12,186.09	22,863.52	12,343.46	189.53	181.89	98.23	-10,745.21	-1,608.44	1,126.76	885.26	241.50	4.666	
23,300.00	12,187.39	22,863.52	12,343.46	191.14	181.89	98.23	-10,745.21	-1,608.44	1,166.31	932.57	233.73	4.990	
23,400.00	12,188.69	22,863.52	12,343.46	192.75	181.89	98.23	-10,745.21	-1,608.44	1,212.83	987.55	225.28	5.384	
23,500.00	12,189.99	22,863.52	12,343.46	194.36	181.89	98.23	-10,745.21	-1,608.44	1,265.56	1,048.99	216.57	5.844	
23,600.00	12,191.29	22,863.52	12,343.46	195.97	181.89	98.23	-10,745.21	-1,608.44	1,323.75	1,115.83	207.92	6.367	
23,700.00	12,192.59	22,863.52	12,343.46	197.58	181.89	98.23	-10,745.21	-1,608.44	1,386.72	1,187.16	199.56	6.949	
23,800.00	12,193.89	22,863.52	12,343.46	199.20	181.89	98.23	-10,745.21	-1,608.44	1,453.85	1,262.24	191.61	7.588	
23,900.00	12,195.19	22,863.52	12,343.46	200.81	181.89	98.23	-10,745.21	-1,608.44	1,524.58	1,340.44	184.15	8.279	
24,000.00	12,196.50	22,863.52	12,343.46	202.42	181.89	98.23	-10,745.21	-1,608.44	1,598.45	1,421.24	177.21	9.020	
24,100.00	12,197.80	22,863.52	12,343.46	204.04	181.89	98.23	-10,745.21	-1,608.44	1,675.03	1,504.23	170.80	9.807	
24,110.32	12,197.93	22,863.52	12,343.46	204.20	181.89	98.23	-10,745.21	-1,608.44	1,683.07	1,512.91	170.17	9.891	
24,111.10	12,197.94	22,863.52	12,343.46	204.22	181.89	98.23	-10,745.21	-1,608.44	1,683.68	1,511.70	171.98	9.790	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 604H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	90.95	-39.65	2,388.88	2,389.35				
100.00	100.00	73.80	73.80	0.14	0.10	90.95	-39.65	2,388.88	2,389.21	2,389.03	0.18	N/A	
200.00	200.00	173.80	173.80	0.50	0.41	90.95	-39.65	2,388.88	2,389.21	2,388.56	0.64	3,708.662	
300.00	300.00	273.80	273.80	0.86	0.76	90.95	-39.65	2,388.88	2,389.21	2,388.06	1.15	2,078.175	
400.00	400.00	373.80	373.80	1.22	1.12	90.95	-39.65	2,388.88	2,389.21	2,387.55	1.66	1,442.729	
500.00	500.00	473.80	473.80	1.58	1.48	90.95	-39.65	2,388.88	2,389.21	2,387.05	2.16	1,104.746	
600.00	600.00	573.80	573.80	1.93	1.84	90.95	-39.65	2,388.88	2,389.21	2,386.54	2.67	895.023	
700.00	700.00	673.80	673.80	2.29	2.20	90.95	-39.65	2,388.88	2,389.21	2,386.03	3.18	752.208	
800.00	800.00	773.80	773.80	2.65	2.56	90.95	-39.65	2,388.88	2,389.21	2,385.53	3.68	648.691	
900.00	900.00	873.80	873.80	3.01	2.92	90.95	-39.65	2,388.88	2,389.21	2,385.02	4.19	570.216	
1,000.00	1,000.00	973.80	973.80	3.37	3.27	90.95	-39.65	2,388.88	2,389.21	2,384.51	4.70	508.677	
1,100.00	1,100.00	1,073.80	1,073.80	3.73	3.63	90.95	-39.65	2,388.88	2,389.21	2,384.01	5.20	459.127	
1,200.00	1,200.00	1,173.80	1,173.80	4.08	3.99	90.95	-39.65	2,388.88	2,389.21	2,383.50	5.71	418.372	
1,300.00	1,300.00	1,273.80	1,273.80	4.44	4.35	90.95	-39.65	2,388.88	2,389.21	2,382.99	6.22	384.262	
1,400.00	1,400.00	1,373.80	1,373.80	4.80	4.71	90.95	-39.65	2,388.88	2,389.21	2,382.48	6.72	355.295	
1,500.00	1,500.00	1,473.80	1,473.80	5.16	5.07	90.95	-39.65	2,388.88	2,389.21	2,381.98	7.23	330.388	
1,600.00	1,600.00	1,573.80	1,573.80	5.52	5.42	90.95	-39.65	2,388.88	2,389.21	2,381.47	7.74	308.745	
1,700.00	1,700.00	1,673.80	1,673.80	5.88	5.78	90.95	-39.65	2,388.88	2,389.21	2,380.96	8.25	289.763	
1,800.00	1,800.00	1,773.80	1,773.80	6.24	6.14	90.95	-39.65	2,388.88	2,389.21	2,380.46	8.75	272.980	
1,900.00	1,900.00	1,873.80	1,873.80	6.59	6.50	90.95	-39.65	2,388.88	2,389.21	2,379.95	9.26	258.034	
2,000.00	2,000.00	1,973.80	1,973.80	6.95	6.86	90.95	-39.65	2,388.88	2,389.21	2,379.44	9.77	244.640	
2,100.00	2,100.00	2,073.80	2,073.80	7.31	7.22	90.95	-39.65	2,388.88	2,389.21	2,378.94	10.27	232.568	
2,200.00	2,200.00	2,173.80	2,173.80	7.67	7.58	90.95	-39.65	2,388.88	2,389.21	2,378.43	10.78	221.631	
2,300.00	2,300.00	2,273.80	2,273.80	8.03	7.93	90.95	-39.65	2,388.88	2,389.21	2,377.92	11.29	211.677	
2,400.00	2,400.00	2,373.80	2,373.80	8.39	8.29	90.95	-39.65	2,388.88	2,389.21	2,377.42	11.79	202.578	
2,500.00	2,500.00	2,473.80	2,473.80	8.74	8.65	90.95	-39.65	2,388.88	2,389.21	2,376.91	12.30	194.230	
2,600.00	2,600.00	2,573.80	2,573.80	9.10	9.01	90.95	-39.65	2,388.88	2,389.21	2,376.40	12.81	186.542	
2,700.00	2,700.00	2,673.80	2,673.80	9.46	9.37	90.95	-39.65	2,388.88	2,389.21	2,375.89	13.31	179.440	
2,800.00	2,800.00	2,773.80	2,773.80	9.82	9.73	90.95	-39.65	2,388.88	2,389.21	2,375.39	13.82	172.858	
2,900.00	2,900.00	2,873.80	2,873.80	10.18	10.08	90.95	-39.65	2,388.88	2,389.21	2,374.88	14.33	166.742	
3,000.00	3,000.00	2,973.80	2,973.80	10.54	10.44	90.95	-39.65	2,388.88	2,389.21	2,374.37	14.84	161.045	
3,100.00	3,100.00	3,073.80	3,073.80	10.90	10.80	90.95	-39.65	2,388.88	2,389.21	2,373.87	15.34	155.723	
3,200.00	3,200.00	3,173.80	3,173.80	11.25	11.16	90.95	-39.65	2,388.88	2,389.21	2,373.36	15.85	150.743	
3,300.00	3,300.00	3,273.80	3,273.80	11.61	11.52	90.95	-39.65	2,388.88	2,389.21	2,372.85	16.36	146.071	
3,400.00	3,400.00	3,373.80	3,373.80	11.97	11.88	90.95	-39.65	2,388.88	2,389.21	2,372.35	16.86	141.679	
3,500.00	3,500.00	3,473.80	3,473.80	12.33	12.24	90.95	-39.65	2,388.88	2,389.21	2,371.84	17.37	137.545	
3,600.00	3,600.00	3,573.80	3,573.80	12.69	12.59	90.95	-39.65	2,388.88	2,389.21	2,371.33	17.88	133.644	
3,700.00	3,700.00	3,673.80	3,673.80	13.05	12.95	90.95	-39.65	2,388.88	2,389.21	2,370.82	18.38	129.959	
3,800.00	3,800.00	3,773.80	3,773.80	13.41	13.31	90.95	-39.65	2,388.88	2,389.21	2,370.32	18.89	126.471	
3,900.00	3,900.00	3,873.80	3,873.80	13.76	13.67	90.95	-39.65	2,388.88	2,389.21	2,369.81	19.40	123.166	
4,000.00	4,000.00	3,973.80	3,973.80	14.12	14.03	90.95	-39.65	2,388.88	2,389.21	2,369.30	19.91	120.029	
4,100.00	4,100.00	4,073.80	4,073.80	14.48	14.39	90.95	-39.65	2,388.88	2,389.21	2,368.80	20.41	117.048	
4,200.00	4,200.00	4,173.80	4,173.80	14.84	14.75	90.95	-39.65	2,388.88	2,389.21	2,368.29	20.92	114.212	
4,300.00	4,300.00	4,273.80	4,273.80	15.20	15.10	90.95	-39.65	2,388.88	2,389.21	2,367.78	21.43	111.509	
4,400.00	4,400.00	4,373.80	4,373.80	15.56	15.46	90.95	-39.65	2,388.88	2,389.21	2,367.28	21.93	108.932	
4,500.00	4,500.00	4,473.80	4,473.80	15.91	15.82	90.95	-39.65	2,388.88	2,389.21	2,366.77	22.44	106.471	
4,550.00	4,550.00	4,523.80	4,523.80	16.09	16.00	90.95	-39.65	2,388.88	2,389.21	2,366.52	22.69	105.282	CC, ES
4,600.00	4,600.00	4,573.80	4,573.80	16.27	16.18	164.17	-39.65	2,388.88	2,389.52	2,366.58	22.94	104.143	
4,700.00	4,699.96	4,673.76	4,673.76	16.62	16.54	164.17	-39.65	2,388.88	2,392.04	2,368.60	23.44	102.040	
4,800.00	4,799.82	4,773.62	4,773.62	16.96	16.90	164.19	-39.65	2,388.88	2,397.08	2,373.14	23.94	100.129	
4,900.00	4,899.51	4,873.31	4,873.31	17.31	17.25	164.21	-39.65	2,388.88	2,404.63	2,380.19	24.44	98.402	
5,000.00	4,998.96	4,972.76	4,972.76	17.66	17.61	164.23	-39.65	2,388.88	2,414.69	2,389.76	24.93	96.848	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 604H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,098.10	5,071.90	5,071.90	18.02	17.96	164.26	-39.65	2,388.88	2,427.26	2,401.83	25.43	95.458	
5,200.00	5,196.87	5,170.67	5,170.67	18.38	18.32	164.30	-39.65	2,388.88	2,442.33	2,416.41	25.92	94.223	
5,216.82	5,213.44	5,187.24	5,187.24	18.44	18.38	164.31	-39.65	2,388.88	2,445.11	2,419.11	26.00	94.029	
5,300.00	5,295.35	5,269.15	5,269.15	18.74	18.67	164.40	-39.65	2,388.88	2,459.04	2,432.63	26.41	93.100	
5,400.00	5,393.83	5,367.63	5,367.63	19.11	19.02	164.51	-39.65	2,388.88	2,475.79	2,448.89	26.91	92.017	
5,500.00	5,492.31	5,466.11	5,466.11	19.48	19.38	164.61	-39.65	2,388.88	2,492.55	2,465.15	27.40	90.972	
5,600.00	5,590.79	5,611.84	5,611.82	19.85	19.90	164.74	-38.37	2,387.87	2,508.71	2,480.70	28.01	89.560	
5,700.00	5,689.27	5,783.74	5,783.47	20.23	20.51	164.76	-31.38	2,382.35	2,522.20	2,493.52	28.67	87.965	
5,800.00	5,787.75	5,932.59	5,931.68	20.61	21.04	164.68	-20.56	2,373.80	2,532.95	2,503.68	29.27	86.531	
5,900.00	5,886.23	6,032.02	6,030.56	20.99	21.39	164.60	-12.40	2,367.35	2,543.06	2,513.29	29.77	85.423	
6,000.00	5,984.71	6,131.45	6,129.45	21.38	21.75	164.52	-4.24	2,360.91	2,553.17	2,522.90	30.27	84.348	
6,100.00	6,083.19	6,230.88	6,228.33	21.77	22.10	164.45	3.91	2,354.46	2,563.28	2,532.51	30.77	83.304	
6,200.00	6,181.67	6,330.31	6,327.22	22.16	22.46	164.37	12.07	2,348.02	2,573.40	2,542.13	31.27	82.290	
6,300.00	6,280.15	6,429.74	6,426.10	22.55	22.82	164.30	20.23	2,341.58	2,583.52	2,551.75	31.78	81.306	
6,400.00	6,378.63	6,529.17	6,524.99	22.95	23.18	164.22	28.38	2,335.13	2,593.65	2,561.37	32.28	80.349	
6,500.00	6,477.11	6,628.60	6,623.87	23.34	23.54	164.15	36.54	2,328.69	2,603.78	2,571.00	32.79	79.420	
6,600.00	6,575.59	6,728.03	6,722.76	23.75	23.90	164.08	44.70	2,322.24	2,613.92	2,580.63	33.29	78.516	
6,700.00	6,674.07	6,827.46	6,821.64	24.15	24.27	164.00	52.86	2,315.80	2,624.06	2,590.26	33.80	77.636	
6,800.00	6,772.56	6,926.89	6,920.53	24.55	24.63	163.93	61.01	2,309.36	2,634.20	2,599.89	34.31	76.781	
6,900.00	6,871.04	7,026.31	7,019.41	24.96	25.00	163.86	69.17	2,302.91	2,644.35	2,609.53	34.82	75.949	
7,000.00	6,969.52	7,125.74	7,118.30	25.36	25.36	163.79	77.33	2,296.47	2,654.50	2,619.17	35.33	75.139	
7,100.00	7,068.00	7,225.17	7,217.18	25.77	25.73	163.72	85.48	2,290.03	2,664.66	2,628.82	35.84	74.350	
7,200.00	7,166.48	7,324.60	7,316.07	26.18	26.09	163.65	93.64	2,283.58	2,674.82	2,638.47	36.35	73.582	
7,300.00	7,264.96	7,424.03	7,414.95	26.59	26.46	163.58	101.80	2,277.14	2,684.98	2,648.12	36.86	72.833	
7,400.00	7,363.44	7,523.46	7,513.84	27.01	26.83	163.51	109.95	2,270.69	2,695.15	2,657.77	37.38	72.104	
7,500.00	7,461.92	7,622.89	7,612.72	27.42	27.20	163.44	118.11	2,264.25	2,705.32	2,667.43	37.89	71.393	
7,600.00	7,560.40	7,722.32	7,711.60	27.84	27.57	163.37	126.27	2,257.81	2,715.50	2,677.09	38.41	70.700	
7,700.00	7,658.88	7,821.75	7,810.49	28.25	27.94	163.31	134.42	2,251.36	2,725.68	2,686.75	38.92	70.024	
7,800.00	7,757.36	7,921.18	7,909.37	28.67	28.31	163.24	142.58	2,244.92	2,735.86	2,696.42	39.44	69.365	
7,900.00	7,855.84	8,000.00	7,987.81	29.09	28.60	163.20	148.65	2,240.12	2,746.45	2,706.53	39.91	68.815	
8,000.00	7,954.32	8,063.51	8,051.12	29.51	28.83	163.18	152.64	2,236.97	2,758.11	2,717.77	40.34	68.376	
8,100.00	8,052.80	8,131.90	8,119.37	29.93	29.08	163.18	156.00	2,234.31	2,770.89	2,730.12	40.77	67.961	
8,200.00	8,151.28	8,200.00	8,187.40	30.36	29.33	163.20	158.40	2,232.42	2,784.77	2,743.57	41.20	67.591	
8,300.00	8,249.76	8,267.99	8,255.36	30.78	29.57	163.24	159.85	2,231.27	2,799.75	2,758.13	41.62	67.265	
8,400.00	8,348.24	8,337.63	8,325.00	31.20	29.82	163.30	160.35	2,230.88	2,815.83	2,773.79	42.05	66.972	
8,500.00	8,446.72	8,433.14	8,420.52	31.63	30.16	163.40	160.35	2,230.88	2,832.49	2,789.95	42.54	66.581	
8,535.38	8,481.56	8,467.99	8,455.36	31.78	30.28	163.44	160.35	2,230.88	2,838.39	2,795.67	42.72	66.439	
8,600.00	8,545.29	8,531.72	8,519.09	32.05	30.51	163.54	160.35	2,230.88	2,848.64	2,805.60	43.05	66.173	
8,700.00	8,644.24	8,630.67	8,618.04	32.46	30.86	163.68	160.35	2,230.88	2,862.48	2,818.92	43.55	65.721	
8,800.00	8,743.54	8,729.97	8,717.34	32.86	31.21	163.80	160.35	2,230.88	2,873.82	2,829.76	44.06	65.224	
8,900.00	8,843.11	8,829.54	8,816.91	33.24	31.57	163.89	160.35	2,230.88	2,882.67	2,838.10	44.57	64.684	
9,000.00	8,942.89	8,929.32	8,916.69	33.61	31.92	163.95	160.35	2,230.88	2,889.01	2,843.94	45.07	64.102	
9,100.00	9,042.81	9,029.24	9,016.61	33.96	32.28	163.99	160.35	2,230.88	2,892.84	2,847.27	45.57	63.480	
9,202.20	9,145.00	9,131.43	9,118.80	34.31	32.64	90.78	160.35	2,230.88	2,894.15	2,848.07	46.08	62.805	
9,300.00	9,242.80	9,229.22	9,216.60	34.64	32.99	90.78	160.35	2,230.88	2,894.15	2,847.58	46.57	62.148	
9,400.00	9,342.80	9,329.22	9,316.60	34.98	33.34	90.78	160.35	2,230.88	2,894.15	2,847.08	47.07	61.489	
9,500.00	9,442.80	9,429.22	9,416.60	35.32	33.70	90.78	160.35	2,230.88	2,894.15	2,846.59	47.57	60.844	
9,600.00	9,542.80	9,529.22	9,516.60	35.65	34.05	90.78	160.35	2,230.88	2,894.15	2,846.09	48.07	60.213	
9,700.00	9,642.80	9,629.22	9,616.60	35.99	34.41	90.78	160.35	2,230.88	2,894.15	2,845.59	48.56	59.594	
9,800.00	9,742.80	9,729.22	9,716.60	36.33	34.77	90.78	160.35	2,230.88	2,894.15	2,845.09	49.06	58.987	
9,900.00	9,842.80	9,829.22	9,816.60	36.67	35.12	90.78	160.35	2,230.88	2,894.15	2,844.59	49.56	58.393	
10,000.00	9,942.80	9,929.22	9,916.60	37.01	35.48	90.78	160.35	2,230.88	2,894.15	2,844.09	50.06	57.810	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 604H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,042.80	10,029.22	10,016.60	37.35	35.83	90.78	160.35	2,230.88	2,894.15	2,843.59	50.56	57.238	
10,200.00	10,142.80	10,129.22	10,116.60	37.69	36.19	90.78	160.35	2,230.88	2,894.15	2,843.09	51.06	56.678	
10,300.00	10,242.80	10,229.22	10,216.60	38.03	36.55	90.78	160.35	2,230.88	2,894.15	2,842.59	51.56	56.128	
10,400.00	10,342.80	10,329.22	10,316.60	38.37	36.90	90.78	160.35	2,230.88	2,894.15	2,842.09	52.06	55.589	
10,500.00	10,442.80	10,429.22	10,416.60	38.71	37.26	90.78	160.35	2,230.88	2,894.15	2,841.59	52.56	55.060	
10,600.00	10,542.80	10,529.22	10,516.60	39.05	37.61	90.78	160.35	2,230.88	2,894.15	2,841.09	53.06	54.540	
10,700.00	10,642.80	10,629.22	10,616.60	39.39	37.97	90.78	160.35	2,230.88	2,894.15	2,840.59	53.57	54.031	
10,800.00	10,742.80	10,729.22	10,716.60	39.73	38.33	90.78	160.35	2,230.88	2,894.15	2,840.09	54.07	53.530	
10,900.00	10,842.80	10,829.22	10,816.60	40.07	38.68	90.78	160.35	2,230.88	2,894.15	2,839.58	54.57	53.039	
11,000.00	10,942.80	10,929.22	10,916.60	40.42	39.04	90.78	160.35	2,230.88	2,894.15	2,839.08	55.07	52.556	
11,100.00	11,042.80	11,029.22	11,016.60	40.76	39.40	90.78	160.35	2,230.88	2,894.15	2,838.58	55.57	52.082	
11,200.00	11,142.80	11,129.22	11,116.60	41.10	39.75	90.78	160.35	2,230.88	2,894.15	2,838.08	56.07	51.617	
11,300.00	11,242.80	11,229.22	11,216.60	41.45	40.11	90.78	160.35	2,230.88	2,894.15	2,837.58	56.57	51.159	
11,306.81	11,249.61	11,236.04	11,223.41	41.47	40.13	90.78	160.35	2,230.88	2,894.15	2,837.55	56.61	51.129	
11,400.00	11,342.80	11,325.20	11,312.55	41.79	40.44	90.80	159.37	2,230.89	2,894.18	2,837.13	57.05	50.729	
11,500.00	11,442.80	11,412.79	11,399.26	42.13	40.71	91.04	147.59	2,231.01	2,894.53	2,837.05	57.48	50.357	
11,530.20	11,473.00	11,438.33	11,424.11	42.24	40.78	91.15	141.67	2,231.06	2,894.74	2,837.14	57.60	50.253	
11,550.00	11,492.79	11,454.85	11,440.02	42.30	40.83	-88.25	137.26	2,231.11	2,894.90	2,837.22	57.68	50.189	
11,600.00	11,542.62	11,500.00	11,482.81	42.45	40.95	-87.99	122.88	2,231.25	2,895.32	2,837.45	57.87	50.029	
11,650.00	11,591.93	11,536.86	11,516.82	42.60	41.05	-87.78	108.67	2,231.39	2,895.76	2,837.73	58.04	49.894	
11,700.00	11,640.32	11,577.11	11,552.82	42.74	41.14	-87.57	90.69	2,231.56	2,896.22	2,838.02	58.20	49.761	
11,750.00	11,687.45	11,616.93	11,587.10	42.87	41.24	-87.37	70.46	2,231.76	2,896.68	2,838.32	58.36	49.635	
11,800.00	11,732.94	11,656.37	11,619.60	42.99	41.32	-87.19	48.13	2,231.98	2,897.13	2,838.62	58.51	49.517	
11,850.00	11,776.45	11,700.00	11,653.66	43.10	41.40	-87.02	20.88	2,232.25	2,897.56	2,838.90	58.66	49.396	
11,900.00	11,817.65	11,734.32	11,678.94	43.20	41.47	-86.88	-2.32	2,232.47	2,897.96	2,839.17	58.79	49.297	
11,950.00	11,856.23	11,772.91	11,705.65	43.28	41.53	-86.76	-30.17	2,232.75	2,898.32	2,839.41	58.92	49.193	
12,000.00	11,891.90	11,811.31	11,730.30	43.36	41.59	-86.65	-59.60	2,233.03	2,898.64	2,839.60	59.05	49.090	
12,050.00	11,924.37	11,850.00	11,753.09	43.42	41.67	-86.57	-90.85	2,233.34	2,898.91	2,839.74	59.18	48.988	
12,100.00	11,953.41	11,887.68	11,773.21	43.47	41.74	-86.51	-122.70	2,233.65	2,899.13	2,839.82	59.30	48.886	
12,150.00	11,978.80	11,925.73	11,791.36	43.52	41.82	-86.46	-156.14	2,233.98	2,899.28	2,839.85	59.43	48.781	
12,200.00	12,000.33	11,963.73	11,807.23	43.56	41.91	-86.44	-190.66	2,234.32	2,899.37	2,839.81	59.57	48.674	
12,250.00	12,017.85	12,000.00	11,820.21	43.61	41.99	-86.44	-224.51	2,234.65	2,899.40	2,839.70	59.70	48.567	
12,300.00	12,031.23	12,039.76	11,831.95	43.66	42.09	-86.47	-262.49	2,235.02	2,899.37	2,839.52	59.84	48.449	
12,350.00	12,040.35	12,077.85	11,840.70	43.72	42.18	-86.52	-299.55	2,235.39	2,899.27	2,839.28	59.99	48.330	
12,400.00	12,045.16	12,116.04	11,846.98	43.79	42.27	-86.58	-337.22	2,235.75	2,899.11	2,838.97	60.14	48.207	
12,422.75	12,045.91	12,133.47	11,849.01	43.83	42.32	-86.62	-354.52	2,235.92	2,899.02	2,838.82	60.21	48.150	
12,475.37	12,046.59	12,173.99	11,851.69	43.94	42.42	-86.66	-394.94	2,236.32	2,898.91	2,838.54	60.38	48.014	
12,500.00	12,046.91	12,196.51	11,852.14	44.00	42.48	-86.67	-417.46	2,236.54	2,898.93	2,838.47	60.46	47.946	
12,600.00	12,048.22	12,296.51	11,853.97	44.29	42.77	-86.68	-517.44	2,237.52	2,899.00	2,838.11	60.89	47.607	
12,700.00	12,049.52	12,396.51	11,855.80	44.65	43.13	-86.69	-617.41	2,238.50	2,899.08	2,837.66	61.41	47.207	
12,800.00	12,050.82	12,496.50	11,857.63	45.08	43.55	-86.70	-717.39	2,239.48	2,899.15	2,837.14	62.01	46.751	
12,900.00	12,052.12	12,596.50	11,859.46	45.57	44.02	-86.71	-817.37	2,240.46	2,899.22	2,836.53	62.69	46.243	
13,000.00	12,053.42	12,696.50	11,861.29	46.12	44.55	-86.72	-917.34	2,241.44	2,899.30	2,835.84	63.46	45.690	
13,100.00	12,054.72	12,796.50	11,863.13	46.72	45.13	-86.73	-1,017.32	2,242.42	2,899.37	2,835.08	64.29	45.097	
13,200.00	12,056.02	12,896.50	11,864.96	47.37	45.77	-86.74	-1,117.30	2,243.40	2,899.44	2,834.24	65.20	44.468	
13,300.00	12,057.32	12,996.50	11,866.79	48.07	46.45	-86.75	-1,217.27	2,244.38	2,899.52	2,833.33	66.18	43.811	
13,400.00	12,058.62	13,096.50	11,868.62	48.81	47.18	-86.76	-1,317.25	2,245.36	2,899.59	2,832.36	67.23	43.131	
13,500.00	12,059.92	13,196.49	11,870.45	49.60	47.96	-86.77	-1,417.23	2,246.33	2,899.66	2,831.33	68.34	42.431	
13,600.00	12,061.22	13,296.49	11,872.28	50.43	48.79	-86.78	-1,517.21	2,247.31	2,899.74	2,830.23	69.51	41.718	
13,700.00	12,062.52	13,396.49	11,874.11	51.30	49.65	-86.79	-1,617.18	2,248.29	2,899.81	2,829.08	70.74	40.995	
13,800.00	12,063.82	13,496.49	11,875.94	52.21	50.55	-86.80	-1,717.16	2,249.27	2,899.89	2,827.87	72.02	40.266	
13,900.00	12,065.12	13,596.49	11,877.77	53.16	51.49	-86.81	-1,817.14	2,250.25	2,899.96	2,826.61	73.35	39.534	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 604H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,066.42	13,696.49	11,879.60	54.13	52.47	-86.83	-1,917.11	2,251.23	2,900.04	2,825.30	74.74	38.803	
14,100.00	12,067.73	13,796.49	11,881.43	55.14	53.47	-86.84	-2,017.09	2,252.21	2,900.11	2,823.94	76.17	38.075	
14,200.00	12,069.03	13,896.48	11,883.26	56.18	54.51	-86.85	-2,117.07	2,253.19	2,900.19	2,822.54	77.64	37.353	
14,300.00	12,070.33	13,996.48	11,885.09	57.25	55.58	-86.86	-2,217.04	2,254.17	2,900.26	2,821.10	79.16	36.639	
14,400.00	12,071.63	14,096.48	11,886.92	58.35	56.68	-86.87	-2,317.02	2,255.15	2,900.34	2,819.62	80.71	35.933	
14,500.00	12,072.93	14,196.48	11,888.75	59.47	57.80	-86.88	-2,417.00	2,256.13	2,900.41	2,818.10	82.31	35.239	
14,600.00	12,074.23	14,296.48	11,890.58	60.61	58.95	-86.89	-2,516.98	2,257.11	2,900.49	2,816.55	83.93	34.557	
14,700.00	12,075.53	14,396.48	11,892.41	61.78	60.13	-86.90	-2,616.95	2,258.09	2,900.56	2,814.97	85.59	33.888	
14,800.00	12,076.83	14,496.48	11,894.24	62.97	61.32	-86.91	-2,716.93	2,259.07	2,900.64	2,813.35	87.28	33.232	
14,900.00	12,078.13	14,596.47	11,896.07	64.18	62.54	-86.92	-2,816.91	2,260.05	2,900.71	2,811.71	89.00	32.591	
15,000.00	12,079.43	14,696.47	11,897.90	65.41	63.77	-86.93	-2,916.88	2,261.03	2,900.79	2,810.04	90.75	31.964	
15,100.00	12,080.73	14,796.47	11,899.73	66.66	65.02	-86.94	-3,016.86	2,262.01	2,900.86	2,808.34	92.52	31.353	
15,200.00	12,082.03	14,896.47	11,901.56	67.93	66.29	-86.95	-3,116.84	2,262.99	2,900.94	2,806.62	94.32	30.756	
15,300.00	12,083.33	14,996.47	11,903.39	69.21	67.58	-86.96	-3,216.81	2,263.96	2,901.01	2,804.87	96.14	30.174	
15,400.00	12,084.63	15,096.47	11,905.22	70.50	68.88	-86.97	-3,316.79	2,264.94	2,901.09	2,803.10	97.99	29.607	
15,500.00	12,085.94	15,196.47	11,907.05	71.82	70.20	-86.98	-3,416.77	2,265.92	2,901.17	2,801.32	99.85	29.056	
15,600.00	12,087.24	15,296.46	11,908.88	73.14	71.53	-86.99	-3,516.75	2,266.90	2,901.24	2,799.51	101.73	28.519	
15,700.00	12,088.54	15,396.46	11,910.71	74.48	72.88	-87.00	-3,616.72	2,267.88	2,901.32	2,797.69	103.63	27.996	
15,800.00	12,089.84	15,496.46	11,912.54	75.83	74.24	-87.02	-3,716.70	2,268.86	2,901.39	2,795.84	105.55	27.488	
15,900.00	12,091.14	15,596.46	11,914.37	77.19	75.61	-87.03	-3,816.68	2,269.84	2,901.47	2,793.98	107.49	26.994	
16,000.00	12,092.44	15,696.46	11,916.20	78.57	76.99	-87.04	-3,916.65	2,270.82	2,901.55	2,792.11	109.44	26.513	
16,100.00	12,093.74	15,796.46	11,918.03	79.95	78.38	-87.05	-4,016.63	2,271.80	2,901.62	2,790.22	111.40	26.046	
16,200.00	12,095.04	15,896.46	11,919.86	81.34	79.78	-87.06	-4,116.61	2,272.78	2,901.70	2,788.32	113.38	25.592	
16,300.00	12,096.34	15,996.45	11,921.70	82.75	81.19	-87.07	-4,216.58	2,273.76	2,901.78	2,786.40	115.38	25.151	
16,400.00	12,097.64	16,096.45	11,923.53	84.16	82.61	-87.08	-4,316.56	2,274.74	2,901.85	2,784.47	117.38	24.722	
16,500.00	12,098.94	16,196.45	11,925.36	85.58	84.03	-87.09	-4,416.54	2,275.72	2,901.93	2,782.53	119.40	24.304	
16,600.00	12,100.24	16,296.45	11,927.19	87.01	85.47	-87.10	-4,516.52	2,276.70	2,902.01	2,780.58	121.43	23.899	
16,700.00	12,101.54	16,396.45	11,929.02	88.45	86.91	-87.11	-4,616.49	2,277.68	2,902.09	2,778.62	123.47	23.505	
16,800.00	12,102.84	16,496.45	11,930.85	89.89	88.36	-87.12	-4,716.47	2,278.66	2,902.16	2,776.64	125.52	23.121	
16,900.00	12,104.15	16,596.45	11,932.68	91.34	89.82	-87.13	-4,816.45	2,279.64	2,902.24	2,774.66	127.58	22.749	
17,000.00	12,105.45	16,696.44	11,934.51	92.80	91.29	-87.14	-4,916.42	2,280.61	2,902.32	2,772.67	129.65	22.386	
17,100.00	12,106.75	16,796.44	11,936.34	94.26	92.76	-87.15	-5,016.40	2,281.59	2,902.40	2,770.67	131.73	22.033	
17,200.00	12,108.05	16,896.44	11,938.17	95.74	94.23	-87.16	-5,116.38	2,282.57	2,902.47	2,768.66	133.81	21.690	
17,300.00	12,109.35	16,996.44	11,940.00	97.21	95.72	-87.17	-5,216.35	2,283.55	2,902.55	2,766.64	135.91	21.356	
17,400.00	12,110.65	17,096.44	11,941.83	98.69	97.20	-87.18	-5,316.33	2,284.53	2,902.63	2,764.62	138.01	21.032	
17,500.00	12,111.95	17,196.44	11,943.66	100.18	98.70	-87.19	-5,416.31	2,285.51	2,902.71	2,762.58	140.12	20.715	
17,600.00	12,113.25	17,296.43	11,945.49	101.67	100.19	-87.21	-5,516.29	2,286.49	2,902.78	2,760.54	142.24	20.408	
17,700.00	12,114.55	17,396.43	11,947.32	103.17	101.70	-87.22	-5,616.26	2,287.47	2,902.86	2,758.50	144.36	20.108	
17,800.00	12,115.85	17,496.43	11,949.15	104.67	103.21	-87.23	-5,716.24	2,288.45	2,902.94	2,756.45	146.50	19.816	
17,900.00	12,117.15	17,596.43	11,950.98	106.18	104.72	-87.24	-5,816.22	2,289.43	2,903.02	2,754.39	148.63	19.532	
18,000.00	12,118.45	17,696.43	11,952.81	107.69	106.23	-87.25	-5,916.19	2,290.41	2,903.10	2,752.32	150.77	19.255	
18,100.00	12,119.75	17,796.43	11,954.64	109.20	107.75	-87.26	-6,016.17	2,291.39	2,903.18	2,750.25	152.92	18.985	
18,200.00	12,121.05	17,896.43	11,956.47	110.72	109.28	-87.27	-6,116.15	2,292.37	2,903.26	2,748.18	155.08	18.721	
18,300.00	12,122.36	17,996.42	11,958.30	112.25	110.81	-87.28	-6,216.12	2,293.35	2,903.33	2,746.10	157.24	18.465	
18,400.00	12,123.66	18,096.42	11,960.13	113.77	112.34	-87.29	-6,316.10	2,294.33	2,903.41	2,744.01	159.40	18.215	
18,500.00	12,124.96	18,196.42	11,961.96	115.30	113.87	-87.30	-6,416.08	2,295.31	2,903.49	2,741.92	161.57	17.971	
18,600.00	12,126.26	18,296.42	11,963.79	116.83	115.41	-87.31	-6,516.06	2,296.29	2,903.57	2,739.83	163.74	17.732	
18,700.00	12,127.56	18,396.42	11,965.62	118.37	116.95	-87.32	-6,616.03	2,297.27	2,903.65	2,737.73	165.92	17.500	
18,800.00	12,128.86	18,496.42	11,967.45	119.91	118.49	-87.33	-6,716.01	2,298.24	2,903.73	2,735.63	168.10	17.273	
18,900.00	12,130.16	18,596.42	11,969.28	121.45	120.04	-87.34	-6,815.99	2,299.22	2,903.81	2,733.52	170.29	17.052	
19,000.00	12,131.46	18,696.41	11,971.11	123.00	121.59	-87.35	-6,915.96	2,300.20	2,903.89	2,731.41	172.48	16.836	
19,100.00	12,132.76	18,796.41	11,972.94	124.54	123.14	-87.36	-7,015.94	2,301.18	2,903.97	2,729.29	174.68	16.625	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 604H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	12,134.06	18,896.41	11,974.77	126.10	124.70	-87.37	-7,115.92	2,302.16	2,904.05	2,727.17	176.87	16.419	
19,300.00	12,135.36	18,996.41	11,976.60	127.65	126.26	-87.38	-7,215.89	2,303.14	2,904.13	2,725.05	179.07	16.217	
19,400.00	12,136.66	19,096.41	11,978.43	129.20	127.82	-87.39	-7,315.87	2,304.12	2,904.21	2,722.93	181.28	16.021	
19,500.00	12,137.96	19,196.41	11,980.27	130.76	129.38	-87.41	-7,415.85	2,305.10	2,904.29	2,720.80	183.49	15.828	
19,600.00	12,139.26	19,296.41	11,982.10	132.32	130.94	-87.42	-7,515.83	2,306.08	2,904.37	2,718.67	185.70	15.640	
19,700.00	12,140.57	19,396.40	11,983.93	133.88	132.51	-87.43	-7,615.80	2,307.06	2,904.45	2,716.53	187.91	15.456	
19,800.00	12,141.87	19,496.40	11,985.76	135.45	134.08	-87.44	-7,715.78	2,308.04	2,904.53	2,714.40	190.13	15.276	
19,900.00	12,143.17	19,596.40	11,987.59	137.02	135.65	-87.45	-7,815.76	2,309.02	2,904.61	2,712.26	192.35	15.101	
20,000.00	12,144.47	19,696.40	11,989.42	138.58	137.22	-87.46	-7,915.73	2,310.00	2,904.69	2,710.11	194.57	14.928	
20,100.00	12,145.77	19,796.40	11,991.25	140.15	138.79	-87.47	-8,015.71	2,310.98	2,904.77	2,707.97	196.80	14.760	
20,200.00	12,147.07	19,896.40	11,993.08	141.73	140.37	-87.48	-8,115.69	2,311.96	2,904.85	2,705.82	199.03	14.595	
20,300.00	12,148.37	19,996.40	11,994.91	143.30	141.95	-87.49	-8,215.66	2,312.94	2,904.93	2,703.67	201.26	14.434	
20,400.00	12,149.67	20,096.39	11,996.74	144.88	143.53	-87.50	-8,315.64	2,313.92	2,905.01	2,701.52	203.49	14.276	
20,500.00	12,150.97	20,196.39	11,998.57	146.45	145.11	-87.51	-8,415.62	2,314.89	2,905.09	2,699.36	205.73	14.121	
20,600.00	12,152.27	20,296.39	12,000.40	148.03	146.69	-87.52	-8,515.60	2,315.87	2,905.17	2,697.21	207.96	13.970	
20,700.00	12,153.57	20,396.39	12,002.23	149.61	148.28	-87.53	-8,615.57	2,316.85	2,905.25	2,695.05	210.20	13.821	
20,800.00	12,154.87	20,496.39	12,004.06	151.20	149.86	-87.54	-8,715.55	2,317.83	2,905.33	2,692.89	212.45	13.676	
20,900.00	12,156.17	20,596.39	12,005.89	152.78	151.45	-87.55	-8,815.53	2,318.81	2,905.42	2,690.73	214.69	13.533	
21,000.00	12,157.47	20,696.39	12,007.72	154.37	153.04	-87.56	-8,915.50	2,319.79	2,905.50	2,688.56	216.94	13.393	
21,100.00	12,158.77	20,796.38	12,009.55	155.95	154.63	-87.57	-9,015.48	2,320.77	2,905.58	2,686.40	219.18	13.256	
21,200.00	12,160.08	20,896.38	12,011.38	157.54	156.22	-87.58	-9,115.46	2,321.75	2,905.66	2,684.23	221.43	13.122	
21,300.00	12,161.38	20,996.38	12,013.21	159.13	157.81	-87.59	-9,215.43	2,322.73	2,905.74	2,682.06	223.69	12.990	
21,400.00	12,162.68	21,096.38	12,015.04	160.72	159.41	-87.61	-9,315.41	2,323.71	2,905.82	2,679.89	225.94	12.861	
21,500.00	12,163.98	21,196.38	12,016.87	162.31	161.00	-87.62	-9,415.39	2,324.69	2,905.91	2,677.71	228.19	12.734	
21,600.00	12,165.28	21,296.38	12,018.70	163.90	162.60	-87.63	-9,515.37	2,325.67	2,905.99	2,675.54	230.45	12.610	
21,700.00	12,166.58	21,396.38	12,020.53	165.50	164.19	-87.64	-9,615.34	2,326.65	2,906.07	2,673.36	232.71	12.488	
21,800.00	12,167.88	21,496.37	12,022.36	167.09	165.79	-87.65	-9,715.32	2,327.63	2,906.15	2,671.18	234.97	12.368	
21,900.00	12,169.18	21,596.37	12,024.19	168.69	167.39	-87.66	-9,815.30	2,328.61	2,906.23	2,669.00	237.23	12.251	
22,000.00	12,170.48	21,696.37	12,026.02	170.29	168.99	-87.67	-9,915.27	2,329.59	2,906.32	2,666.82	239.49	12.135	
22,100.00	12,171.78	21,796.37	12,027.85	171.89	170.59	-87.68	-10,015.25	2,330.57	2,906.40	2,664.64	241.76	12.022	
22,200.00	12,173.08	21,896.37	12,029.68	173.49	172.20	-87.69	-10,115.23	2,331.55	2,906.48	2,662.46	244.02	11.911	
22,300.00	12,174.38	21,996.37	12,031.51	175.09	173.80	-87.70	-10,215.20	2,332.52	2,906.56	2,660.28	246.29	11.801	
22,400.00	12,175.68	22,096.37	12,033.34	176.69	175.40	-87.71	-10,315.18	2,333.50	2,906.65	2,658.09	248.56	11.694	
22,500.00	12,176.98	22,196.36	12,035.17	178.29	177.01	-87.72	-10,415.16	2,334.48	2,906.73	2,655.90	250.83	11.589	
22,600.00	12,178.29	22,296.36	12,037.00	179.89	178.61	-87.73	-10,515.14	2,335.46	2,906.81	2,653.71	253.10	11.485	
22,700.00	12,179.59	22,396.36	12,038.84	181.50	180.22	-87.74	-10,615.11	2,336.44	2,906.90	2,651.53	255.37	11.383	
22,800.00	12,180.89	22,490.07	12,040.55	183.10	181.73	-87.75	-10,708.80	2,337.36	2,906.99	2,649.43	257.56	11.287	
22,900.00	12,182.19	22,490.07	12,040.55	184.71	181.73	-87.75	-10,708.80	2,337.36	2,909.01	2,650.74	258.26	11.264	SF
23,000.00	12,183.49	22,490.07	12,040.55	186.31	181.73	-87.75	-10,708.80	2,337.36	2,914.46	2,655.79	258.67	11.267	
23,100.00	12,184.79	22,490.07	12,040.55	187.92	181.73	-87.75	-10,708.80	2,337.36	2,923.32	2,664.56	258.76	11.297	
23,200.00	12,186.09	22,490.07	12,040.55	189.53	181.73	-87.75	-10,708.80	2,337.36	2,935.56	2,677.01	258.56	11.354	
23,300.00	12,187.39	22,490.07	12,040.55	191.14	181.73	-87.75	-10,708.80	2,337.36	2,951.15	2,693.08	258.07	11.435	
23,400.00	12,188.69	22,490.07	12,040.55	192.75	181.73	-87.75	-10,708.80	2,337.36	2,970.02	2,712.72	257.30	11.543	
23,500.00	12,189.99	22,490.07	12,040.55	194.36	181.73	-87.75	-10,708.80	2,337.36	2,992.12	2,735.85	256.27	11.676	
23,600.00	12,191.29	22,490.07	12,040.55	195.97	181.73	-87.75	-10,708.80	2,337.36	3,017.37	2,762.38	254.99	11.833	
23,700.00	12,192.59	22,490.07	12,040.55	197.58	181.73	-87.75	-10,708.80	2,337.36	3,045.69	2,792.21	253.48	12.015	
23,800.00	12,193.89	22,490.07	12,040.55	199.20	181.73	-87.75	-10,708.80	2,337.36	3,077.01	2,825.25	251.76	12.222	
23,900.00	12,195.19	22,490.07	12,040.55	200.81	181.73	-87.75	-10,708.80	2,337.36	3,111.23	2,861.37	249.85	12.452	
24,000.00	12,196.50	22,490.07	12,040.55	202.42	181.73	-87.75	-10,708.80	2,337.36	3,148.25	2,900.47	247.78	12.706	
24,100.00	12,197.80	22,490.07	12,040.55	204.04	181.73	-87.75	-10,708.80	2,337.36	3,187.98	2,942.42	245.56	12.983	
24,110.32	12,197.93	22,490.07	12,040.55	204.20	181.73	-87.75	-10,708.80	2,337.36	3,192.23	2,946.91	245.32	13.013	
24,111.10	12,197.94	22,490.07	12,040.55	204.22	181.73	-87.75	-10,708.80	2,337.36	3,192.55	2,947.01	245.54	13.002	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

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Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 705H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	90.93	-39.34	2,423.88	2,424.34				
100.00	100.00	74.20	74.20	0.14	0.11	90.93	-39.34	2,423.88	2,424.20	2,424.02	0.18	N/A	
200.00	200.00	174.20	174.20	0.50	0.41	90.93	-39.34	2,423.88	2,424.20	2,423.55	0.65	3,757.697	
300.00	300.00	274.20	274.20	0.86	0.77	90.93	-39.34	2,423.88	2,424.20	2,423.05	1.15	2,106.862	
400.00	400.00	374.20	374.20	1.22	1.12	90.93	-39.34	2,423.88	2,424.20	2,422.54	1.66	1,462.999	
500.00	500.00	474.20	474.20	1.58	1.48	90.93	-39.34	2,423.88	2,424.20	2,422.04	2.16	1,120.416	
600.00	600.00	574.20	574.20	1.93	1.84	90.93	-39.34	2,423.88	2,424.20	2,421.53	2.67	907.794	
700.00	700.00	674.20	674.20	2.29	2.20	90.93	-39.34	2,423.88	2,424.20	2,421.02	3.18	762.985	
800.00	800.00	774.20	774.20	2.65	2.56	90.93	-39.34	2,423.88	2,424.20	2,420.52	3.68	658.013	
900.00	900.00	874.20	874.20	3.01	2.92	90.93	-39.34	2,423.88	2,424.20	2,420.01	4.19	578.429	
1,000.00	1,000.00	974.20	974.20	3.37	3.28	90.93	-39.34	2,423.88	2,424.20	2,419.50	4.70	516.017	
1,100.00	1,100.00	1,074.20	1,074.20	3.73	3.63	90.93	-39.34	2,423.88	2,424.20	2,418.99	5.20	465.761	
1,200.00	1,200.00	1,174.20	1,174.20	4.08	3.99	90.93	-39.34	2,423.88	2,424.20	2,418.49	5.71	424.424	
1,300.00	1,300.00	1,274.20	1,274.20	4.44	4.35	90.93	-39.34	2,423.88	2,424.20	2,417.98	6.22	389.827	
1,400.00	1,400.00	1,374.20	1,374.20	4.80	4.71	90.93	-39.34	2,423.88	2,424.20	2,417.47	6.73	360.444	
1,500.00	1,500.00	1,474.20	1,474.20	5.16	5.07	90.93	-39.34	2,423.88	2,424.20	2,416.97	7.23	335.180	
1,600.00	1,600.00	1,574.20	1,574.20	5.52	5.43	90.93	-39.34	2,423.88	2,424.20	2,416.46	7.74	313.226	
1,700.00	1,700.00	1,674.20	1,674.20	5.88	5.78	90.93	-39.34	2,423.88	2,424.20	2,415.95	8.25	293.971	
1,800.00	1,800.00	1,774.20	1,774.20	6.24	6.14	90.93	-39.34	2,423.88	2,424.20	2,415.45	8.75	276.946	
1,900.00	1,900.00	1,874.20	1,874.20	6.59	6.50	90.93	-39.34	2,423.88	2,424.20	2,414.94	9.26	261.785	
2,000.00	2,000.00	1,974.20	1,974.20	6.95	6.86	90.93	-39.34	2,423.88	2,424.20	2,414.43	9.77	248.197	
2,100.00	2,100.00	2,074.20	2,074.20	7.31	7.22	90.93	-39.34	2,423.88	2,424.20	2,413.93	10.27	235.951	
2,200.00	2,200.00	2,174.20	2,174.20	7.67	7.58	90.93	-39.34	2,423.88	2,424.20	2,413.42	10.78	224.856	
2,300.00	2,300.00	2,274.20	2,274.20	8.03	7.94	90.93	-39.34	2,423.88	2,424.20	2,412.91	11.29	214.758	
2,400.00	2,400.00	2,374.20	2,374.20	8.39	8.29	90.93	-39.34	2,423.88	2,424.20	2,412.40	11.80	205.528	
2,500.00	2,500.00	2,474.20	2,474.20	8.74	8.65	90.93	-39.34	2,423.88	2,424.20	2,411.90	12.30	197.058	
2,600.00	2,600.00	2,574.20	2,574.20	9.10	9.01	90.93	-39.34	2,423.88	2,424.20	2,411.39	12.81	189.259	
2,700.00	2,700.00	2,674.20	2,674.20	9.46	9.37	90.93	-39.34	2,423.88	2,424.20	2,410.88	13.32	182.054	
2,800.00	2,800.00	2,774.20	2,774.20	9.82	9.73	90.93	-39.34	2,423.88	2,424.20	2,410.38	13.82	175.377	
2,900.00	2,900.00	2,874.20	2,874.20	10.18	10.09	90.93	-39.34	2,423.88	2,424.20	2,409.87	14.33	169.172	
3,000.00	3,000.00	2,974.20	2,974.20	10.54	10.44	90.93	-39.34	2,423.88	2,424.20	2,409.36	14.84	163.392	
3,100.00	3,100.00	3,074.20	3,074.20	10.90	10.80	90.93	-39.34	2,423.88	2,424.20	2,408.86	15.34	157.994	
3,200.00	3,200.00	3,174.20	3,174.20	11.25	11.16	90.93	-39.34	2,423.88	2,424.20	2,408.35	15.85	152.941	
3,300.00	3,300.00	3,274.20	3,274.20	11.61	11.52	90.93	-39.34	2,423.88	2,424.20	2,407.84	16.36	148.201	
3,400.00	3,400.00	3,374.20	3,374.20	11.97	11.88	90.93	-39.34	2,423.88	2,424.20	2,407.33	16.86	143.746	
3,500.00	3,500.00	3,474.20	3,474.20	12.33	12.24	90.93	-39.34	2,423.88	2,424.20	2,406.83	17.37	139.551	
3,600.00	3,600.00	3,574.20	3,574.20	12.69	12.60	90.93	-39.34	2,423.88	2,424.20	2,406.32	17.88	135.594	
3,700.00	3,700.00	3,674.20	3,674.20	13.05	12.95	90.93	-39.34	2,423.88	2,424.20	2,405.81	18.39	131.855	
3,800.00	3,800.00	3,774.20	3,774.20	13.41	13.31	90.93	-39.34	2,423.88	2,424.20	2,405.31	18.89	128.317	
3,900.00	3,900.00	3,874.20	3,874.20	13.76	13.67	90.93	-39.34	2,423.88	2,424.20	2,404.80	19.40	124.963	
4,000.00	4,000.00	3,974.20	3,974.20	14.12	14.03	90.93	-39.34	2,423.88	2,424.20	2,404.29	19.91	121.781	
4,100.00	4,100.00	4,074.20	4,074.20	14.48	14.39	90.93	-39.34	2,423.88	2,424.20	2,403.79	20.41	118.757	
4,200.00	4,200.00	4,174.20	4,174.20	14.84	14.75	90.93	-39.34	2,423.88	2,424.20	2,403.28	20.92	115.879	
4,300.00	4,300.00	4,274.20	4,274.20	15.20	15.10	90.93	-39.34	2,423.88	2,424.20	2,402.77	21.43	113.137	
4,400.00	4,400.00	4,374.20	4,374.20	15.56	15.46	90.93	-39.34	2,423.88	2,424.20	2,402.27	21.93	110.522	
4,500.00	4,500.00	4,474.20	4,474.20	15.91	15.82	90.93	-39.34	2,423.88	2,424.20	2,401.76	22.44	108.026	
4,502.70	4,502.70	4,476.90	4,476.90	15.92	15.83	90.93	-39.34	2,423.88	2,424.20	2,401.74	22.45	107.960	CC
4,550.00	4,550.00	4,517.92	4,517.92	16.09	15.98	90.93	-39.31	2,423.90	2,424.23	2,401.55	22.68	106.897	ES
4,600.00	4,600.00	4,554.95	4,554.95	16.27	16.11	164.13	-39.01	2,424.10	2,424.81	2,401.91	22.90	105.907	
4,700.00	4,699.96	4,628.93	4,628.90	16.62	16.37	164.10	-37.55	2,425.11	2,428.65	2,405.33	23.32	104.129	
4,800.00	4,799.82	4,700.00	4,699.91	16.96	16.63	164.03	-35.02	2,426.84	2,436.08	2,412.34	23.74	102.612	
4,900.00	4,899.51	4,776.06	4,775.82	17.31	16.90	163.93	-31.11	2,429.52	2,447.08	2,422.91	24.17	101.251	

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

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Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 705H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.00	4,998.96	4,848.94	4,848.46	17.66	17.16	163.80	-26.20	2,432.88	2,461.62	2,437.04	24.58	100.129	
5,100.00	5,098.10	4,928.94	4,928.05	18.02	17.44	163.64	-19.58	2,437.41	2,479.65	2,454.63	25.02	99.112	
5,200.00	5,196.87	5,026.67	5,025.25	18.38	17.79	163.45	-11.16	2,443.18	2,500.41	2,474.90	25.50	98.037	
5,216.82	5,213.44	5,043.06	5,041.55	18.44	17.85	163.42	-9.75	2,444.15	2,504.14	2,478.55	25.59	97.868	
5,300.00	5,295.35	5,124.07	5,122.11	18.74	18.14	163.35	-2.77	2,448.93	2,522.77	2,496.78	25.99	97.066	
5,400.00	5,393.83	5,221.46	5,218.97	19.11	18.49	163.26	5.63	2,454.68	2,545.18	2,518.70	26.48	96.129	
5,500.00	5,492.31	5,318.85	5,315.83	19.48	18.84	163.18	14.02	2,460.43	2,567.59	2,540.62	26.96	95.220	
5,600.00	5,590.79	5,416.25	5,412.69	19.85	19.19	163.10	22.42	2,466.18	2,590.00	2,562.55	27.45	94.338	
5,700.00	5,689.27	5,513.64	5,509.55	20.23	19.55	163.02	30.81	2,471.93	2,612.42	2,584.47	27.95	93.482	
5,800.00	5,787.75	5,611.03	5,606.41	20.61	19.90	162.94	39.20	2,477.68	2,634.84	2,606.41	28.44	92.651	
5,900.00	5,886.23	5,708.42	5,703.27	20.99	20.26	162.87	47.60	2,483.43	2,657.27	2,628.34	28.93	91.844	
6,000.00	5,984.71	5,805.81	5,800.13	21.38	20.61	162.79	55.99	2,489.18	2,679.71	2,650.28	29.43	91.060	
6,100.00	6,083.19	5,903.21	5,896.99	21.77	20.97	162.72	64.39	2,494.93	2,702.14	2,672.22	29.92	90.299	
6,200.00	6,181.67	6,000.60	5,993.84	22.16	21.33	162.65	72.78	2,500.68	2,724.58	2,694.16	30.42	89.559	
6,300.00	6,280.15	6,097.99	6,090.70	22.55	21.69	162.58	81.17	2,506.43	2,747.03	2,716.11	30.92	88.839	
6,400.00	6,378.63	6,195.38	6,187.56	22.95	22.05	162.51	89.57	2,512.18	2,769.48	2,738.06	31.42	88.140	
6,500.00	6,477.11	6,292.77	6,284.42	23.34	22.41	162.44	97.96	2,517.93	2,791.93	2,760.01	31.92	87.460	
6,600.00	6,575.59	6,390.16	6,381.28	23.75	22.77	162.37	106.35	2,523.68	2,814.39	2,781.97	32.42	86.798	
6,700.00	6,674.07	6,487.56	6,478.14	24.15	23.13	162.30	114.75	2,529.43	2,836.85	2,803.92	32.93	86.154	
6,800.00	6,772.56	6,584.95	6,575.00	24.55	23.49	162.24	123.14	2,535.18	2,859.32	2,825.88	33.43	85.528	
6,900.00	6,871.04	6,682.34	6,671.86	24.96	23.86	162.17	131.54	2,540.93	2,881.78	2,847.85	33.94	84.917	
7,000.00	6,969.52	6,779.73	6,768.72	25.36	24.22	162.11	139.93	2,546.68	2,904.26	2,869.81	34.44	84.323	
7,100.00	7,068.00	6,922.30	6,910.64	25.77	24.75	162.04	151.10	2,554.33	2,926.29	2,891.20	35.09	83.385	
7,200.00	7,166.48	7,098.59	7,086.65	26.18	25.39	162.07	159.07	2,559.79	2,945.96	2,910.12	35.83	82.210	
7,300.00	7,264.96	7,251.12	7,239.16	26.59	25.94	162.20	160.66	2,560.88	2,963.13	2,926.64	36.49	81.210	
7,400.00	7,363.44	7,349.60	7,337.64	27.01	26.28	162.30	160.66	2,560.88	2,979.70	2,942.71	36.99	80.553	
7,500.00	7,461.92	7,448.08	7,436.12	27.42	26.63	162.40	160.66	2,560.88	2,996.27	2,958.78	37.49	79.913	
7,600.00	7,560.40	7,546.56	7,534.60	27.84	26.98	162.50	160.66	2,560.88	3,012.85	2,974.86	38.00	79.289	
7,700.00	7,658.88	7,645.04	7,633.08	28.25	27.33	162.60	160.66	2,560.88	3,029.45	2,990.94	38.50	78.682	
7,800.00	7,757.36	7,743.52	7,731.56	28.67	27.68	162.70	160.66	2,560.88	3,046.05	3,007.04	39.01	78.089	
7,900.00	7,855.84	7,842.00	7,830.04	29.09	28.03	162.79	160.66	2,560.88	3,062.66	3,023.14	39.51	77.512	
8,000.00	7,954.32	7,940.48	7,928.52	29.51	28.38	162.89	160.66	2,560.88	3,079.27	3,039.26	40.02	76.948	
8,100.00	8,052.80	8,038.96	8,027.00	29.93	28.73	162.98	160.66	2,560.88	3,095.90	3,055.38	40.52	76.398	
8,200.00	8,151.28	8,137.44	8,125.48	30.36	29.08	163.08	160.66	2,560.88	3,112.53	3,071.50	41.03	75.862	
8,300.00	8,249.76	8,235.92	8,223.96	30.78	29.43	163.17	160.66	2,560.88	3,129.17	3,087.64	41.54	75.338	
8,400.00	8,348.24	8,334.40	8,322.44	31.20	29.78	163.26	160.66	2,560.88	3,145.82	3,103.78	42.04	74.826	
8,500.00	8,446.72	8,432.88	8,420.92	31.63	30.13	163.35	160.66	2,560.88	3,162.48	3,119.93	42.55	74.326	
8,535.38	8,481.56	8,467.73	8,455.76	31.78	30.25	163.38	160.66	2,560.88	3,168.38	3,125.65	42.73	74.152	
8,600.00	8,545.29	8,531.45	8,519.49	32.05	30.48	163.48	160.66	2,560.88	3,178.63	3,135.57	43.06	73.827	
8,700.00	8,644.24	8,630.41	8,618.44	32.46	30.83	163.61	160.66	2,560.88	3,192.46	3,148.90	43.56	73.285	
8,800.00	8,743.54	8,729.71	8,717.74	32.86	31.18	163.72	160.66	2,560.88	3,203.80	3,159.73	44.07	72.701	
8,900.00	8,843.11	8,829.28	8,817.31	33.24	31.54	163.81	160.66	2,560.88	3,212.64	3,168.07	44.57	72.075	
9,000.00	8,942.89	8,929.06	8,917.09	33.61	31.89	163.86	160.66	2,560.88	3,218.98	3,173.90	45.08	71.410	
9,100.00	9,042.81	9,028.98	9,017.01	33.96	32.25	163.90	160.66	2,560.88	3,222.81	3,177.23	45.58	70.707	
9,202.20	9,145.00	9,131.17	9,119.20	34.31	32.61	90.70	160.66	2,560.88	3,224.12	3,178.03	46.09	69.952	
9,300.00	9,242.80	9,228.96	9,217.00	34.64	32.96	90.70	160.66	2,560.88	3,224.12	3,177.54	46.58	69.220	
9,400.00	9,342.80	9,328.96	9,317.00	34.98	33.31	90.70	160.66	2,560.88	3,224.12	3,177.04	47.08	68.487	
9,500.00	9,442.80	9,428.96	9,417.00	35.32	33.67	90.70	160.66	2,560.88	3,224.12	3,176.54	47.58	67.768	
9,600.00	9,542.80	9,528.96	9,517.00	35.65	34.03	90.70	160.66	2,560.88	3,224.12	3,176.05	48.07	67.065	
9,700.00	9,642.80	9,628.96	9,617.00	35.99	34.38	90.70	160.66	2,560.88	3,224.12	3,175.55	48.57	66.376	
9,800.00	9,742.80	9,728.96	9,717.00	36.33	34.74	90.70	160.66	2,560.88	3,224.12	3,175.05	49.07	65.700	
9,900.00	9,842.80	9,828.96	9,817.00	36.67	35.09	90.70	160.66	2,560.88	3,224.12	3,174.55	49.57	65.038	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 705H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	9,942.80	9,928.96	9,917.00	37.01	35.45	90.70	160.66	2,560.88	3,224.12	3,174.05	50.07	64.389	
10,100.00	10,042.80	10,028.96	10,017.00	37.35	35.81	90.70	160.66	2,560.88	3,224.12	3,173.55	50.57	63.752	
10,200.00	10,142.80	10,128.96	10,117.00	37.69	36.16	90.70	160.66	2,560.88	3,224.12	3,173.05	51.07	63.128	
10,300.00	10,242.80	10,228.96	10,217.00	38.03	36.52	90.70	160.66	2,560.88	3,224.12	3,172.55	51.57	62.516	
10,400.00	10,342.80	10,328.96	10,317.00	38.37	36.88	90.70	160.66	2,560.88	3,224.12	3,172.05	52.07	61.915	
10,500.00	10,442.80	10,428.96	10,417.00	38.71	37.23	90.70	160.66	2,560.88	3,224.12	3,171.55	52.57	61.326	
10,600.00	10,542.80	10,528.96	10,517.00	39.05	37.59	90.70	160.66	2,560.88	3,224.12	3,171.05	53.07	60.748	
10,700.00	10,642.80	10,628.96	10,617.00	39.39	37.94	90.70	160.66	2,560.88	3,224.12	3,170.55	53.57	60.180	
10,800.00	10,742.80	10,728.96	10,717.00	39.73	38.30	90.70	160.66	2,560.88	3,224.12	3,170.04	54.08	59.623	
10,900.00	10,842.80	10,828.96	10,817.00	40.07	38.66	90.70	160.66	2,560.88	3,224.12	3,169.54	54.58	59.075	
11,000.00	10,942.80	10,928.96	10,917.00	40.42	39.01	90.70	160.66	2,560.88	3,224.12	3,169.04	55.08	58.538	
11,100.00	11,042.80	11,028.96	11,017.00	40.76	39.37	90.70	160.66	2,560.88	3,224.12	3,168.54	55.58	58.010	
11,200.00	11,142.80	11,128.96	11,117.00	41.10	39.73	90.70	160.66	2,560.88	3,224.12	3,168.04	56.08	57.492	
11,300.00	11,242.80	11,228.96	11,217.00	41.45	40.08	90.70	160.66	2,560.88	3,224.12	3,167.54	56.58	56.982	
11,400.00	11,342.80	11,328.96	11,317.00	41.79	40.44	90.70	160.66	2,560.88	3,224.12	3,167.04	57.08	56.482	
11,500.00	11,442.80	11,428.96	11,417.00	42.13	40.80	90.70	160.66	2,560.88	3,224.12	3,166.54	57.58	55.990	
11,530.20	11,473.00	11,459.17	11,447.20	42.24	40.91	90.70	160.66	2,560.88	3,224.12	3,166.38	57.74	55.843	
11,550.00	11,492.79	11,478.96	11,466.99	42.30	40.98	-88.81	160.66	2,560.88	3,224.11	3,166.28	57.83	55.749	
11,600.00	11,542.62	11,525.56	11,513.58	42.45	41.13	-88.86	160.00	2,560.89	3,224.05	3,166.00	58.05	55.536	
11,650.00	11,591.93	11,570.29	11,558.13	42.60	41.27	-88.93	156.10	2,560.92	3,223.98	3,165.72	58.26	55.340	
11,700.00	11,640.32	11,615.28	11,602.50	42.74	41.41	-89.01	148.69	2,561.00	3,223.91	3,165.45	58.45	55.153	
11,750.00	11,687.45	11,660.57	11,646.43	42.87	41.54	-89.09	137.74	2,561.10	3,223.84	3,165.20	58.64	54.974	
11,800.00	11,732.94	11,706.17	11,689.66	42.99	41.66	-89.18	123.25	2,561.25	3,223.78	3,164.96	58.82	54.804	
11,850.00	11,776.45	11,752.14	11,731.92	43.10	41.78	-89.28	105.20	2,561.42	3,223.73	3,164.73	59.00	54.642	
11,900.00	11,817.65	11,800.00	11,774.24	43.20	41.90	-89.38	82.88	2,561.64	3,223.68	3,164.51	59.17	54.485	
11,950.00	11,856.23	11,845.28	11,812.43	43.28	42.00	-89.49	58.58	2,561.88	3,223.65	3,164.32	59.33	54.339	
12,000.00	11,891.90	11,892.53	11,850.11	43.36	42.09	-89.60	30.10	2,562.16	3,223.63	3,164.14	59.48	54.194	
12,043.21	11,920.16	11,933.75	11,880.96	43.41	42.17	-89.70	2.78	2,562.43	3,223.62	3,164.00	59.62	54.072	
12,050.00	11,924.37	11,940.26	11,885.66	43.42	42.18	-89.71	-1.74	2,562.47	3,223.62	3,163.98	59.64	54.053	
12,100.00	11,953.41	11,988.52	11,918.78	43.47	42.26	-89.83	-36.81	2,562.81	3,223.63	3,163.84	59.79	53.913	
12,150.00	11,978.80	12,037.34	11,949.16	43.52	42.36	-89.94	-75.00	2,563.19	3,223.66	3,163.71	59.95	53.775	
12,200.00	12,000.33	12,086.74	11,976.49	43.56	42.47	-90.06	-116.14	2,563.59	3,223.70	3,163.60	60.10	53.635	
12,250.00	12,017.85	12,136.74	12,000.43	43.61	42.58	-90.18	-160.02	2,564.02	3,223.76	3,163.50	60.26	53.494	
12,300.00	12,031.23	12,187.38	12,020.69	43.66	42.69	-90.30	-206.41	2,564.47	3,223.84	3,163.41	60.43	53.350	
12,350.00	12,040.35	12,238.68	12,036.96	43.72	42.81	-90.42	-255.03	2,564.95	3,223.94	3,163.34	60.60	53.203	
12,400.00	12,045.16	12,290.64	12,048.93	43.79	42.94	-90.53	-305.57	2,565.45	3,224.04	3,163.27	60.77	53.053	
12,422.75	12,045.91	12,314.50	12,052.89	43.83	43.00	-90.58	-329.10	2,565.68	3,224.10	3,163.25	60.85	52.984	
12,500.00	12,046.91	12,396.11	12,059.03	44.00	43.20	-90.67	-410.41	2,566.47	3,224.23	3,163.09	61.14	52.736	
12,600.00	12,048.22	12,496.10	12,060.99	44.29	43.49	-90.69	-510.38	2,567.45	3,224.34	3,162.77	61.57	52.369	
12,700.00	12,049.52	12,596.10	12,062.95	44.65	43.83	-90.70	-610.36	2,568.43	3,224.45	3,162.37	62.08	51.937	
12,800.00	12,050.82	12,696.10	12,064.90	45.08	44.24	-90.71	-710.33	2,569.41	3,224.57	3,161.88	62.68	51.443	
12,900.00	12,052.12	12,796.10	12,066.86	45.57	44.70	-90.72	-810.30	2,570.39	3,224.68	3,161.32	63.36	50.894	
13,000.00	12,053.42	12,896.10	12,068.82	46.12	45.22	-90.73	-910.28	2,571.37	3,224.79	3,160.67	64.12	50.295	
13,100.00	12,054.72	12,996.09	12,070.77	46.72	45.79	-90.74	-1,010.25	2,572.35	3,224.90	3,159.95	64.95	49.653	
13,200.00	12,056.02	13,096.09	12,072.73	47.37	46.41	-90.76	-1,110.23	2,573.33	3,225.01	3,159.16	65.85	48.972	
13,300.00	12,057.32	13,196.09	12,074.69	48.07	47.08	-90.77	-1,210.20	2,574.31	3,225.13	3,158.30	66.83	48.260	
13,400.00	12,058.62	13,296.09	12,076.65	48.81	47.80	-90.78	-1,310.17	2,575.28	3,225.24	3,157.37	67.87	47.522	
13,500.00	12,059.92	13,396.08	12,078.60	49.60	48.57	-90.79	-1,410.15	2,576.26	3,225.35	3,156.38	68.97	46.763	
13,600.00	12,061.22	13,496.08	12,080.56	50.43	49.38	-90.80	-1,510.12	2,577.24	3,225.46	3,155.33	70.14	45.988	
13,700.00	12,062.52	13,596.08	12,082.52	51.30	50.23	-90.81	-1,610.09	2,578.22	3,225.58	3,154.22	71.36	45.202	
13,800.00	12,063.82	13,696.08	12,084.48	52.21	51.12	-90.83	-1,710.07	2,579.20	3,225.69	3,153.06	72.64	44.410	
13,900.00	12,065.12	13,796.08	12,086.43	53.16	52.04	-90.84	-1,810.04	2,580.18	3,225.80	3,151.84	73.96	43.613	

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 705H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,066.42	13,896.07	12,088.39	54.13	53.01	-90.85	-1,910.02	2,581.16	3,225.92	3,150.58	75.34	42.817	
14,100.00	12,067.73	13,996.07	12,090.35	55.14	54.00	-90.86	-2,009.99	2,582.14	3,226.03	3,149.27	76.77	42.025	
14,200.00	12,069.03	14,096.07	12,092.30	56.18	55.03	-90.87	-2,109.96	2,583.12	3,226.14	3,147.91	78.23	41.238	
14,300.00	12,070.33	14,196.07	12,094.26	57.25	56.08	-90.88	-2,209.94	2,584.10	3,226.26	3,146.52	79.74	40.459	
14,400.00	12,071.63	14,296.06	12,096.22	58.35	57.17	-90.90	-2,309.91	2,585.08	3,226.37	3,145.08	81.29	39.689	
14,500.00	12,072.93	14,396.06	12,098.18	59.47	58.28	-90.91	-2,409.89	2,586.05	3,226.49	3,143.61	82.88	38.931	
14,600.00	12,074.23	14,496.06	12,100.13	60.61	59.42	-90.92	-2,509.86	2,587.03	3,226.60	3,142.10	84.50	38.186	
14,700.00	12,075.53	14,596.06	12,102.09	61.78	60.58	-90.93	-2,609.83	2,588.01	3,226.71	3,140.56	86.15	37.455	
14,800.00	12,076.83	14,696.06	12,104.05	62.97	61.76	-90.94	-2,709.81	2,588.99	3,226.83	3,139.00	87.83	36.738	
14,900.00	12,078.13	14,796.05	12,106.00	64.18	62.97	-90.95	-2,809.78	2,589.97	3,226.94	3,137.40	89.55	36.036	
15,000.00	12,079.43	14,896.05	12,107.96	65.41	64.19	-90.97	-2,909.75	2,590.95	3,227.06	3,135.77	91.29	35.350	
15,100.00	12,080.73	14,996.05	12,109.92	66.66	65.43	-90.98	-3,009.73	2,591.93	3,227.17	3,134.12	93.06	34.680	
15,200.00	12,082.03	15,096.05	12,111.88	67.93	66.69	-90.99	-3,109.70	2,592.91	3,227.29	3,132.44	94.85	34.026	
15,300.00	12,083.33	15,196.04	12,113.83	69.21	67.97	-91.00	-3,209.68	2,593.89	3,227.40	3,130.74	96.66	33.388	
15,400.00	12,084.63	15,296.04	12,115.79	70.50	69.27	-91.01	-3,309.65	2,594.87	3,227.52	3,129.02	98.50	32.766	
15,500.00	12,085.94	15,396.04	12,117.75	71.82	70.57	-91.02	-3,409.62	2,595.84	3,227.63	3,127.28	100.36	32.161	
15,600.00	12,087.24	15,496.04	12,119.71	73.14	71.90	-91.04	-3,509.60	2,596.82	3,227.75	3,125.51	102.24	31.571	
15,700.00	12,088.54	15,596.04	12,121.66	74.48	73.23	-91.05	-3,609.57	2,597.80	3,227.87	3,123.73	104.13	30.998	
15,800.00	12,089.84	15,696.03	12,123.62	75.83	74.58	-91.06	-3,709.55	2,598.78	3,227.98	3,121.93	106.05	30.439	
15,900.00	12,091.14	15,796.03	12,125.58	77.19	75.94	-91.07	-3,809.52	2,599.76	3,228.10	3,120.12	107.98	29.896	
16,000.00	12,092.44	15,896.03	12,127.53	78.57	77.32	-91.08	-3,909.49	2,600.74	3,228.21	3,118.29	109.92	29.368	
16,100.00	12,093.74	15,996.03	12,129.49	79.95	78.70	-91.09	-4,009.47	2,601.72	3,228.33	3,116.45	111.88	28.854	
16,200.00	12,095.04	16,096.02	12,131.45	81.34	80.09	-91.11	-4,109.44	2,602.70	3,228.45	3,114.59	113.86	28.355	
16,300.00	12,096.34	16,196.02	12,133.41	82.75	81.49	-91.12	-4,209.41	2,603.68	3,228.56	3,112.71	115.85	27.869	
16,400.00	12,097.64	16,296.02	12,135.36	84.16	82.91	-91.13	-4,309.39	2,604.66	3,228.68	3,110.83	117.85	27.397	
16,500.00	12,098.94	16,396.02	12,137.32	85.58	84.33	-91.14	-4,409.36	2,605.64	3,228.80	3,108.93	119.86	26.937	
16,600.00	12,100.24	16,496.02	12,139.28	87.01	85.76	-91.15	-4,509.34	2,606.61	3,228.91	3,107.02	121.89	26.491	
16,700.00	12,101.54	16,596.01	12,141.23	88.45	87.19	-91.16	-4,609.31	2,607.59	3,229.03	3,105.11	123.92	26.057	
16,800.00	12,102.84	16,696.01	12,143.19	89.89	88.64	-91.17	-4,709.28	2,608.57	3,229.15	3,103.18	125.97	25.634	
16,900.00	12,104.15	16,796.01	12,145.15	91.34	90.09	-91.19	-4,809.26	2,609.55	3,229.26	3,101.24	128.03	25.223	
17,000.00	12,105.45	16,896.01	12,147.11	92.80	91.55	-91.20	-4,909.23	2,610.53	3,229.38	3,099.29	130.09	24.824	
17,100.00	12,106.75	16,996.00	12,149.06	94.26	93.01	-91.21	-5,009.21	2,611.51	3,229.50	3,097.33	132.17	24.435	
17,200.00	12,108.05	17,096.00	12,151.02	95.74	94.48	-91.22	-5,109.18	2,612.49	3,229.62	3,095.37	134.25	24.057	
17,300.00	12,109.35	17,196.00	12,152.98	97.21	95.96	-91.23	-5,209.15	2,613.47	3,229.73	3,093.39	136.34	23.688	
17,400.00	12,110.65	17,296.00	12,154.94	98.69	97.44	-91.24	-5,309.13	2,614.45	3,229.85	3,091.41	138.44	23.330	
17,500.00	12,111.95	17,396.00	12,156.89	100.18	98.93	-91.26	-5,409.10	2,615.43	3,229.97	3,089.42	140.55	22.981	
17,600.00	12,113.25	17,495.99	12,158.85	101.67	100.42	-91.27	-5,509.07	2,616.41	3,230.09	3,087.43	142.66	22.641	
17,700.00	12,114.55	17,595.99	12,160.81	103.17	101.92	-91.28	-5,609.05	2,617.38	3,230.21	3,085.42	144.78	22.311	
17,800.00	12,115.85	17,695.99	12,162.76	104.67	103.43	-91.29	-5,709.02	2,618.36	3,230.33	3,083.41	146.91	21.988	
17,900.00	12,117.15	17,795.99	12,164.72	106.18	104.93	-91.30	-5,809.00	2,619.34	3,230.44	3,081.40	149.04	21.674	
18,000.00	12,118.45	17,895.99	12,166.68	107.69	106.45	-91.31	-5,908.97	2,620.32	3,230.56	3,079.38	151.18	21.368	
18,100.00	12,119.75	17,995.98	12,168.64	109.20	107.96	-91.33	-6,008.94	2,621.30	3,230.68	3,077.35	153.33	21.070	
18,200.00	12,121.05	18,095.98	12,170.59	110.72	109.48	-91.34	-6,108.92	2,622.28	3,230.80	3,075.32	155.48	20.780	
18,300.00	12,122.36	18,195.98	12,172.55	112.25	111.00	-91.35	-6,208.89	2,623.26	3,230.92	3,073.28	157.64	20.496	
18,400.00	12,123.66	18,295.98	12,174.51	113.77	112.53	-91.36	-6,308.87	2,624.24	3,231.04	3,071.24	159.80	20.220	
18,500.00	12,124.96	18,395.97	12,176.46	115.30	114.06	-91.37	-6,408.84	2,625.22	3,231.16	3,069.20	161.96	19.950	
18,600.00	12,126.26	18,495.97	12,178.42	116.83	115.60	-91.38	-6,508.81	2,626.20	3,231.28	3,067.14	164.13	19.687	
18,700.00	12,127.56	18,595.97	12,180.38	118.37	117.13	-91.40	-6,608.79	2,627.18	3,231.40	3,065.09	166.31	19.430	
18,800.00	12,128.86	18,695.97	12,182.34	119.91	118.67	-91.41	-6,708.76	2,628.15	3,231.52	3,063.03	168.49	19.180	
18,900.00	12,130.16	18,795.97	12,184.29	121.45	120.22	-91.42	-6,808.73	2,629.13	3,231.64	3,060.97	170.67	18.935	
19,000.00	12,131.46	18,895.96	12,186.25	123.00	121.76	-91.43	-6,908.71	2,630.11	3,231.76	3,058.90	172.86	18.696	
19,100.00	12,132.76	18,995.96	12,188.21	124.54	123.31	-91.44	-7,008.68	2,631.09	3,231.88	3,056.83	175.05	18.463	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Offset Design LHS Wildcat Fed Com - LHS Wildcat Fed Com 705H - OH - Plan #2

Offset Site Error: 0.00 usft

Survey Program: 0-OWSG (Rev2) MWD

Offset Well Error: 0.00 usft

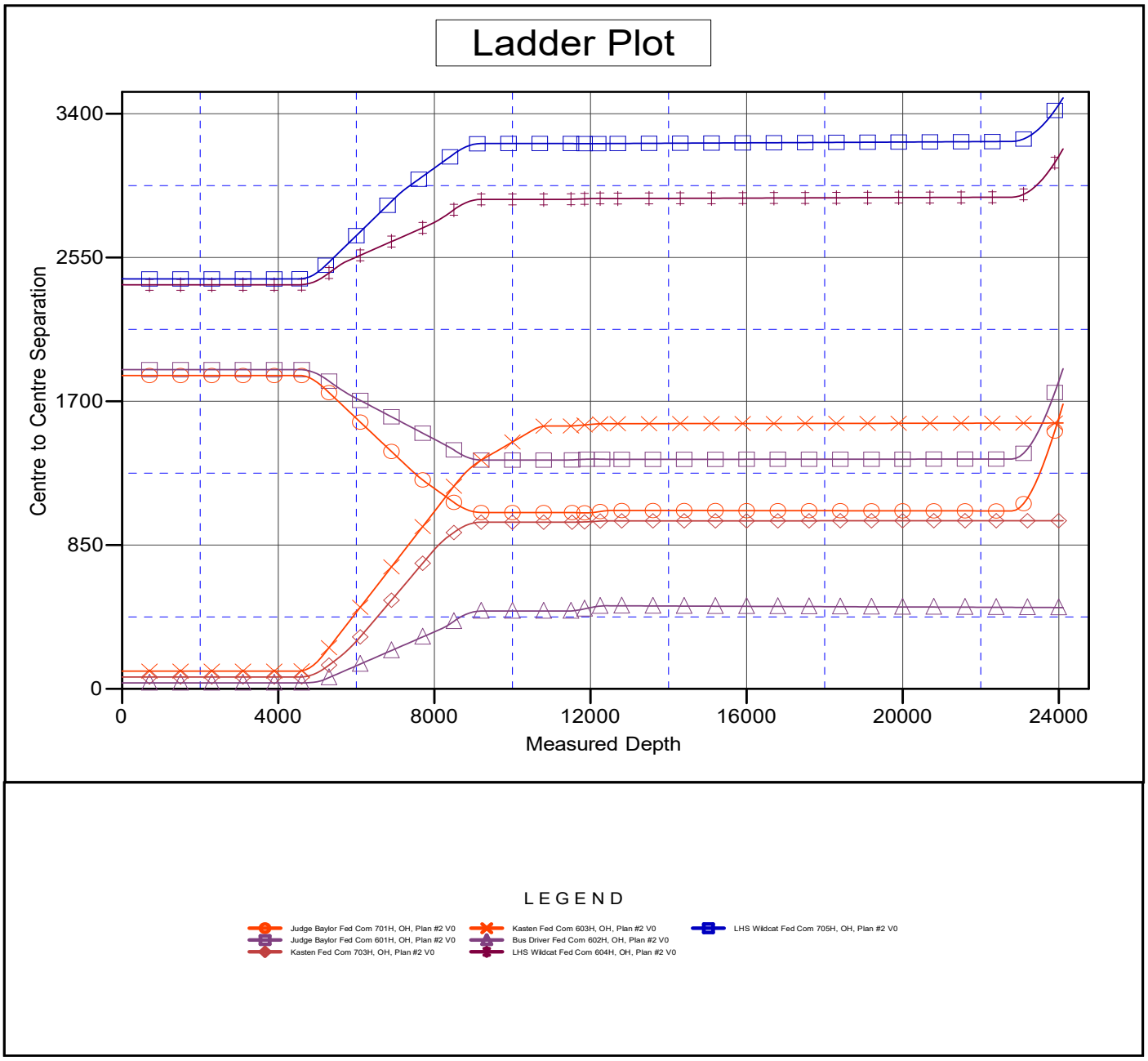
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.00	12,134.06	19,095.96	12,190.17	126.10	124.86	-91.45	-7,108.66	2,632.07	3,232.00	3,054.75	177.24	18.235	
19,300.00	12,135.36	19,195.96	12,192.12	127.65	126.42	-91.46	-7,208.63	2,633.05	3,232.12	3,052.67	179.44	18.012	
19,400.00	12,136.66	19,295.95	12,194.08	129.20	127.98	-91.48	-7,308.60	2,634.03	3,232.24	3,050.59	181.64	17.794	
19,500.00	12,137.96	19,395.95	12,196.04	130.76	129.53	-91.49	-7,408.58	2,635.01	3,232.36	3,048.51	183.85	17.582	
19,600.00	12,139.26	19,495.95	12,197.99	132.32	131.10	-91.50	-7,508.55	2,635.99	3,232.48	3,046.42	186.06	17.373	
19,700.00	12,140.57	19,595.95	12,199.95	133.88	132.66	-91.51	-7,608.53	2,636.97	3,232.60	3,044.33	188.27	17.170	
19,800.00	12,141.87	19,695.95	12,201.91	135.45	134.23	-91.52	-7,708.50	2,637.95	3,232.72	3,042.24	190.48	16.971	
19,900.00	12,143.17	19,795.94	12,203.87	137.02	135.79	-91.53	-7,808.47	2,638.92	3,232.84	3,040.14	192.70	16.776	
20,000.00	12,144.47	19,895.94	12,205.82	138.58	137.36	-91.55	-7,908.45	2,639.90	3,232.96	3,038.04	194.92	16.586	
20,100.00	12,145.77	19,995.94	12,207.78	140.15	138.93	-91.56	-8,008.42	2,640.88	3,233.09	3,035.94	197.14	16.400	
20,200.00	12,147.07	20,095.94	12,209.74	141.73	140.51	-91.57	-8,108.39	2,641.86	3,233.21	3,033.84	199.37	16.217	
20,300.00	12,148.37	20,195.93	12,211.69	143.30	142.08	-91.58	-8,208.37	2,642.84	3,233.33	3,031.73	201.60	16.039	
20,400.00	12,149.67	20,295.93	12,213.65	144.88	143.66	-91.59	-8,308.34	2,643.82	3,233.45	3,029.63	203.83	15.864	
20,500.00	12,150.97	20,395.93	12,215.61	146.45	145.24	-91.60	-8,408.32	2,644.80	3,233.57	3,027.51	206.06	15.693	
20,600.00	12,152.27	20,495.93	12,217.57	148.03	146.82	-91.62	-8,508.29	2,645.78	3,233.70	3,025.40	208.29	15.525	
20,700.00	12,153.57	20,595.93	12,219.52	149.61	148.40	-91.63	-8,608.26	2,646.76	3,233.82	3,023.29	210.53	15.360	
20,800.00	12,154.87	20,695.92	12,221.48	151.20	149.99	-91.64	-8,708.24	2,647.74	3,233.94	3,021.17	212.77	15.199	
20,900.00	12,156.17	20,795.92	12,223.44	152.78	151.57	-91.65	-8,808.21	2,648.72	3,234.06	3,019.05	215.01	15.041	
21,000.00	12,157.47	20,895.92	12,225.40	154.37	153.16	-91.66	-8,908.19	2,649.69	3,234.19	3,016.93	217.25	14.887	
21,100.00	12,158.77	20,995.92	12,227.35	155.95	154.74	-91.67	-9,008.16	2,650.67	3,234.31	3,014.81	219.50	14.735	
21,200.00	12,160.08	21,095.91	12,229.31	157.54	156.33	-91.68	-9,108.13	2,651.65	3,234.43	3,012.69	221.74	14.586	
21,300.00	12,161.38	21,195.91	12,231.27	159.13	157.92	-91.70	-9,208.11	2,652.63	3,234.55	3,010.56	223.99	14.440	
21,400.00	12,162.68	21,295.91	12,233.22	160.72	159.52	-91.71	-9,308.08	2,653.61	3,234.68	3,008.44	226.24	14.297	
21,500.00	12,163.98	21,395.91	12,235.18	162.31	161.11	-91.72	-9,408.05	2,654.59	3,234.80	3,006.31	228.49	14.157	
21,600.00	12,165.28	21,495.91	12,237.14	163.90	162.70	-91.73	-9,508.03	2,655.57	3,234.92	3,004.18	230.75	14.019	
21,700.00	12,166.58	21,595.90	12,239.10	165.50	164.30	-91.74	-9,608.00	2,656.55	3,235.05	3,002.05	233.00	13.884	
21,800.00	12,167.88	21,695.90	12,241.05	167.09	165.89	-91.75	-9,707.98	2,657.53	3,235.17	2,999.91	235.26	13.752	
21,900.00	12,169.18	21,795.90	12,243.01	168.69	167.49	-91.77	-9,807.95	2,658.51	3,235.30	2,997.78	237.52	13.621	
22,000.00	12,170.48	21,895.90	12,244.97	170.29	169.09	-91.78	-9,907.92	2,659.48	3,235.42	2,995.64	239.78	13.494	
22,100.00	12,171.78	21,995.89	12,246.92	171.89	170.69	-91.79	-10,007.90	2,660.46	3,235.54	2,993.51	242.04	13.368	
22,200.00	12,173.08	22,095.89	12,248.88	173.49	172.29	-91.80	-10,107.87	2,661.44	3,235.67	2,991.37	244.30	13.245	
22,300.00	12,174.38	22,195.89	12,250.84	175.09	173.89	-91.81	-10,207.85	2,662.42	3,235.79	2,989.23	246.56	13.124	
22,400.00	12,175.68	22,295.89	12,252.80	176.69	175.49	-91.82	-10,307.82	2,663.40	3,235.92	2,987.09	248.83	13.005	
22,500.00	12,176.98	22,395.89	12,254.75	178.29	177.10	-91.84	-10,407.79	2,664.38	3,236.04	2,984.95	251.09	12.888	
22,600.00	12,178.29	22,495.88	12,256.71	179.89	178.70	-91.85	-10,507.77	2,665.36	3,236.17	2,982.81	253.36	12.773	
22,700.00	12,179.59	22,595.88	12,258.67	181.50	180.31	-91.86	-10,607.74	2,666.34	3,236.29	2,980.66	255.63	12.660	
22,800.00	12,180.89	22,695.11	12,260.61	183.10	181.90	-91.87	-10,706.95	2,667.31	3,236.42	2,978.53	257.89	12.550	
22,900.00	12,182.19	22,695.11	12,260.61	184.71	181.90	-91.87	-10,706.95	2,667.31	3,238.11	2,979.37	258.74	12.515	
23,000.00	12,183.49	22,695.11	12,260.61	186.31	181.90	-91.87	-10,706.95	2,667.31	3,242.89	2,983.54	259.35	12.504	SF
23,100.00	12,184.79	22,695.11	12,260.61	187.92	181.90	-91.87	-10,706.95	2,667.31	3,250.73	2,991.02	259.71	12.517	
23,200.00	12,186.09	22,695.11	12,260.61	189.53	181.90	-91.87	-10,706.95	2,667.31	3,261.63	3,001.80	259.83	12.553	
23,300.00	12,187.39	22,695.11	12,260.61	191.14	181.90	-91.87	-10,706.95	2,667.31	3,275.55	3,015.83	259.71	12.612	
23,400.00	12,188.69	22,695.11	12,260.61	192.75	181.90	-91.87	-10,706.95	2,667.31	3,292.44	3,033.07	259.37	12.694	
23,500.00	12,189.99	22,695.11	12,260.61	194.36	181.90	-91.87	-10,706.95	2,667.31	3,312.27	3,053.48	258.79	12.799	
23,600.00	12,191.29	22,695.11	12,260.61	195.97	181.90	-91.87	-10,706.95	2,667.31	3,334.98	3,076.96	258.02	12.926	
23,700.00	12,192.59	22,695.11	12,260.61	197.58	181.90	-91.87	-10,706.95	2,667.31	3,360.51	3,103.48	257.03	13.074	
23,800.00	12,193.89	22,695.11	12,260.61	199.20	181.90	-91.87	-10,706.95	2,667.31	3,388.81	3,132.95	255.86	13.245	
23,900.00	12,195.19	22,695.11	12,260.61	200.81	181.90	-91.87	-10,706.95	2,667.31	3,419.79	3,165.28	254.51	13.437	
24,000.00	12,196.50	22,695.11	12,260.61	202.42	181.90	-91.87	-10,706.95	2,667.31	3,453.40	3,200.38	253.01	13.649	
24,100.00	12,197.80	22,695.11	12,260.61	204.04	181.90	-91.87	-10,706.95	2,667.31	3,489.54	3,238.18	251.36	13.883	
24,110.32	12,197.93	22,695.11	12,260.61	204.20	181.90	-91.87	-10,706.95	2,667.31	3,493.42	3,242.23	251.18	13.908	
24,111.10	12,197.94	22,695.11	12,260.61	204.22	181.90	-91.87	-10,706.95	2,667.31	3,493.71	3,242.31	251.39	13.897	

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

Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to 3057.7' GE + 21' KB @ 3078.70usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Bus Driver Fed Com 702H
Coordinate System is US State Plane 1983, New Mexico Eastern Zone
Grid Convergence at Surface is: 0.54°

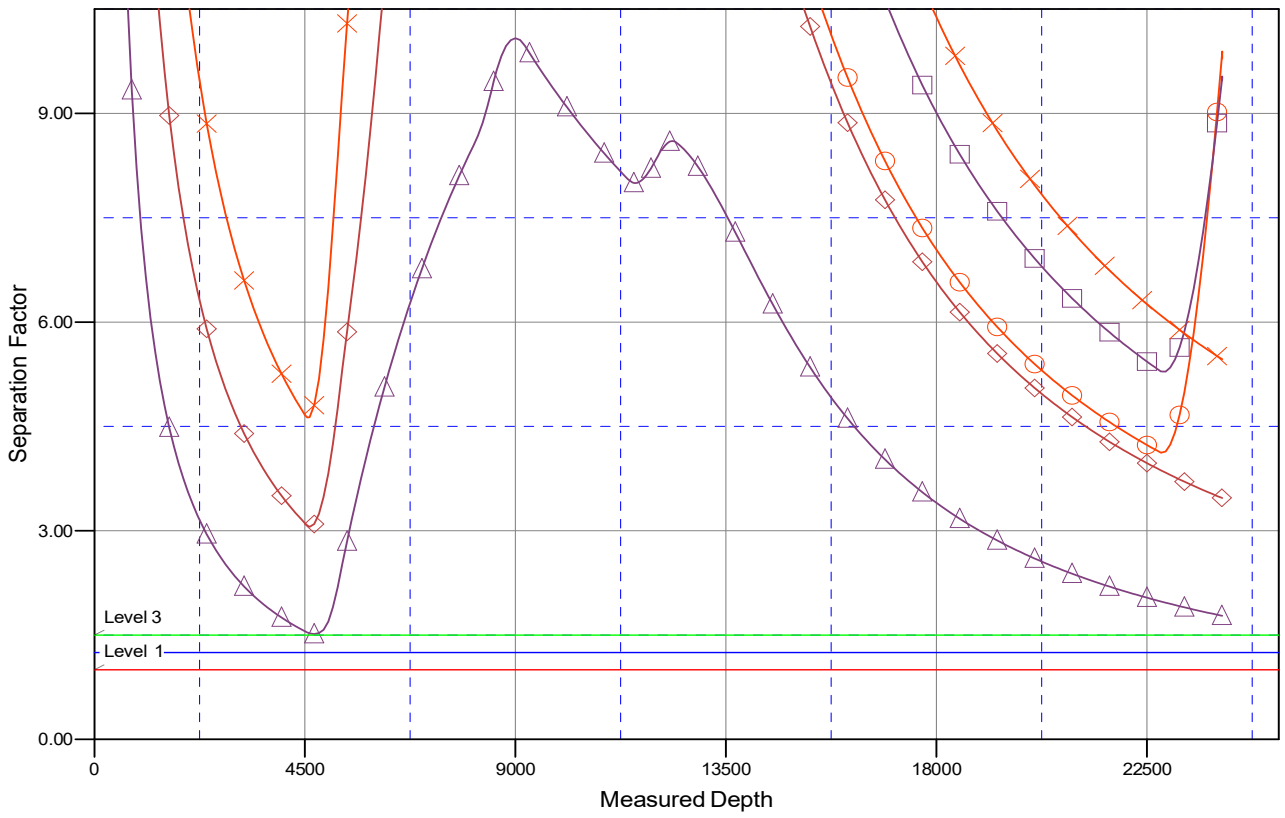


Company:	Franklin Mountain Energy	**Local Co-ordinate Reference:**	Well Bus Driver Fed Com 702H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Reference Site:	Bus Driver/Kasten Fed Com	**MD Reference:**	3057.7' GE + 21' KB @ 3078.70usft
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	Bus Driver Fed Com 702H	**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 #2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to 3057.7' GE + 21' KB @ 3078.70usft
Offset Depths are relative to Offset Datum
Central Meridian is -104.333334

Coordinates are relative to: Bus Driver Fed Com 702H
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 #2 V0
Judge Baylor Fed Com 601H, OH, Plan #2 V0
Kasten Fed Com 703H, OH, Plan #2 V0
Kasten Fed Com 603H, OH, Plan #2 V0
Bus Driver Fed Com 602H, OH, Plan #2 V0
LHS Wildcat Fed Com 604H, OH, Plan #2 V0
LHS Wildcat Fed Com 705H, OH, Plan #2 V0

Bus Driver Fed Com 702H

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)	3,058'	21'	21'	0	Sand/Gravels/unconsolidated
Rustler	2,437'	642'			Carbonates
Salado	2,052'	1,027'			Salt, Carbonate & Clastics
Base Salt	-1,465'	4,544'			Shaley Carbonate & Shale
Lamar	-1,900'	4,979'			Carbonate & Clastics
Bell Canyon	-1,934'	5,013'			Sandstone - oil/gas/water
Cherry Canyon	-2,801'	5,880'			Sandstone - oil/gas/water
Brushy Canyon	-4,293'	7,372'			Sand/carb/shales - oil/gas/water
Bone Spring Lime	-5,654'	8,733'			Shale/Carbonates - oil/gas
Avalon	-5,678'	8,757'			Shale/Carbonates - oil/gas
First Bone Spring Sand	-6,780'	9,859'			Sandstone - oil/gas/water
Second Bone Spring Carbonates	-6,919'	9,998'			Shale/Carbonates - oil/gas
Second Bone Spring Sand	-7,304'	10,383'			Sandstone - oil/gas/water
Third Bone Spring Carbonates	-8,004'	11,083'			Shale/Carbonates - oil/gas
Third Bone Spring Sand	-8,675'	11,754'			Sandstone - oil/gas/water
Wolfcamp	-8,917'	11,996'			Overpressure shale/sand- Oil/Gas
HZ Target	**-8,960'**	**12,039'**			**Overpressure shale/sand- Oil/Gas**
Wolfcamp A	-8,978'	12,057'			Overpressure Shale - Oil/Gas
Wolfcamp B	-9,198'	12,277'			Overpressure Shale - Oil/Gas

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

Upper Permian Sands	0- 400’	Fresh Water
Delaware Sands	5,013’	Oil
Bone Spring	9,859’	Oil
Wolfcamp	11,996	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 casings 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	5400	1.72	1.67	2.90	3.30
Intermediate 7 5/8"	29.7	HCP-110	8280	7150	827	Stinger 564	12150	1.09	1.26	1.79	1.22
Long string 5 1/2"	23	P-110	14520	14520	729	Anaconda 656	24110	1.32	1.29	1.11	1.00

Preliminary plan is to set 7 5/8" string before entering Wolfcamp formation at 11,978'TVD/12,150'MD at 62° Inc due too potential overpressure.

Cementing Program:

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

String	Hole	Casing			Lead					Tail				Excess
Type	Size	Size	Setting Depth	Sacks	Type of cmt	Yield ft3/sk	Water gal/sk	TOC ft	Sacks	Type of cmt	Yield ft3/sk	Water gal/sk	TOC	
Surf	17.5	13.375	1300	804	Extenda Cem, 13.5 ppg Class C, 3lb/sk Kol-Seal	1.728	9.19	0	331	HalCem TM, 14.8 ppg, Class C, 2% CaCl2, 0.25pps Celo-Flake	1.364	6.51	1000	100%
					Bentonite, 2%CaCl2,0.25pps Cello-Flake									
Int1	12.25	9.625	5400	1256	Neocem TM, 11.5 ppg, Class C 50:50 Poz	2.271	13.24	0	152	HalCem TM, 14.8 ppg, Class C, 0.25 pps Cello-Flake, 2% CalCl2	1.349	6.25	5100	100%
					Gel, 0.125 pps Poly-E-Flake, 3lb/sk Kol-Seal									
Int2	8.75	7.625	12150	351	NeoCem, 11 ppg, Class C 2lb/sk Bridgemaker Gel, 5%	2.777	14.21	4400	112	NeoCem 13.2 ppg, Class C	1.44	4.31	11150	50%
					Salt, 5pps LCM, 0.25pps Cello-Flake					0.25 pps Cello-Flake, 2% CalCl2				
Prod	6.75	5.5	24110	598	NeoCem, 14.5 ppg, Gas Migration Control	2.166	9.38	11150						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 ½" x 7" variable pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.
Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5,000/250 psig and the annular preventer to 5,000/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the 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' – 12,150'	Brine	8.8-10.2	28-34	N/c
12,150' – 24,110' 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 13.0 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 12,197' TVD (deepest point of the well) is 195F with an estimated maximum bottom-hole pressure (BHP) at the same point of 8,245 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/Escape packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
      3. Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation
   ii. Auxiliary Rescue Equipment
      1. Stretcher
      2. Two OSHA full body harnesses
      3. 100 feet of 5/8 inches OSHA approved rope
      4. 1-20# class ABC fire extinguisher
c. H2S Detection and Monitoring Equipment
   i. A stationary detector with three sensors will be placed in the doghouse if equipped, set to visually alarm at 10 ppm and audible at 14 ppm. The detector will be calibrated a minimum of every 30 days or as needed. The sensors will be placed in the following places:
      1. Rig Floor
      2. Below Rig Floor / Near BOPs
      3. End of flow line or where well bore fluid is being discharged (near shakers)
   ii. If H2S is encountered, measured values and formations will be provided to the BLM.
d. Visual Warning Systems
   i. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
   ii. A colored condition flag will be on display, reflecting the current condition at the site at the time.
   iii. Two windsocks will be placed in strategic locations, visible from all angles.
e. Mud Program
   i. The Mud program will be designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.
f. Metallurgy
   i. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service at the anticipated operating pressures to prevent sour sulfide stress cracking.
g. Communication
   i. Communication will be via cell phones and walkie talkies on location.

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.

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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 be 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 Cameron 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 ½” casing due to the tight clearance with 6 3/4” hole and 5 ½” casing due to tight clearances.