PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
LEASE NO.:	NMNM136226
WELL NAME & NO.:	201H – LESLIE FEDERAL COM
SURFACE HOLE FOOTAGE:	295'/S & 1202'/W
BOTTOM HOLE FOOTAGE	240'/N & 450'/W
LOCATION:	Section 17.,T25S., R.35E., NMP
COUNTY:	LEA County, New Mexico

Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	
Other	☐4 String Area	☐Capitan Reef	☐WIPP

A. Hydrogen Sulfide

1. 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 **1000** feet (a minimum of 25 feet 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.

Approval Date: 02/26/2018

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

2. The minimum required fill of cement behind the **9 5/8** inch first intermediate casing is:
    - Cement to surface. If cement does not circulate see B.1.a, c-d above.
3. The minimum required fill of cement behind the **7** inch second intermediate casing is:
    - Cement as proposed. Operator shall provide method of verification.
4. The minimum required fill of cement behind the **4 1/2** inch production casing is:
    - Cement as proposed. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

Option 1:

i. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9 5/8** inch first intermediate casing shoe shall be **5000 (5M)** psi.

ii. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7** inch second intermediate casing shoe shall be **10,000 (10M)** psi.

Option 2:

i. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the first intermediate casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the first casing shoe shall be **10,000 (10M)** 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. **After the 7" casing is set in the speed head, the BOP will then be lifted to install another casing head section for setting the production casing. Therefore, per Onshore Oil and Gas Order No. 2, the entire BOP/BOPE shall be tested prior to drilling out the second intermediate casing shoe.**
e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
f. 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.

A 5M Annular variance sundry along with a 'well control plan' and 10M BOP/BOPE diagram must be submitted, in order to use a 5M Annular on top of a 10M BOP stack.

D. SPECIAL REQUIREMENT(S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, 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.

MHH 02222018

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)

☒ Chaves and Roosevelt Counties
Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.
During office hours call (575) 627-0272.
After office hours call (575)

☒ 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.

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.

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: 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. Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.
    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.

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.

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

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LEASE NO.:	NMNM136226
WELL NAME & NO.:	201H – LESLIE FEDERAL COM
SURFACE HOLE FOOTAGE:	295'/S & 1202'/W
BOTTOM HOLE FOOTAGE	240'/N & 450'/W
LOCATION:	Section 17.,T25S., R.35E., NMP
COUNTY:	LEA County, New Mexico

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

Approval Date: 02/26/2018

I. GENERAL PROVISIONS

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

II. PERMIT EXPIRATION

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

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

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

V. SPECIAL REQUIREMENT(S)

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

Below Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

Watershed/Water Quality:

The entire perimeter of the well pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the well pad.

- The compacted berm shall be constructed at a minimum of 12 inches high with impermeable mineral material (e.g. caliche).
- No water flow from the uphill side(s) of the pad shall be allowed to enter the well pad.
- The topsoil stockpile shall be located outside the bermed well pad.
- Topsoil, either from the well pad or surrounding area, shall not be used to construct the berm.
- No storm drains, tubing or openings shall be placed in the berm.
- If fluid collects within the bermed area, the fluid must be vacuumed into a safe container and disposed of properly at a state approved facility.
- The integrity of the berm shall be maintained around the surfaced pad throughout the life of the well and around the downsized pad after interim reclamation has been completed.
- Any access road entering the well pad shall be constructed so that the integrity of the berm height surrounding the well pad is not compromised. (Any access road crossing the berm cannot be lower than the berm height.)

Tank Battery:

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1 ½ times the content of the largest tank. Automatic shut off,

check valves, or similar systems will be installed for tanks to minimize the effects of catastrophic line failures used in production or drilling.

VI. CONSTRUCTION

A. NOTIFICATION

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

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

B. TOPSOIL

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

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

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

D. FEDERAL MINERAL MATERIALS PIT

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

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

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

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. ON LEASE ACCESS ROADS

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

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

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

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

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

Ditching
Ditching shall be required on both sides of the road.

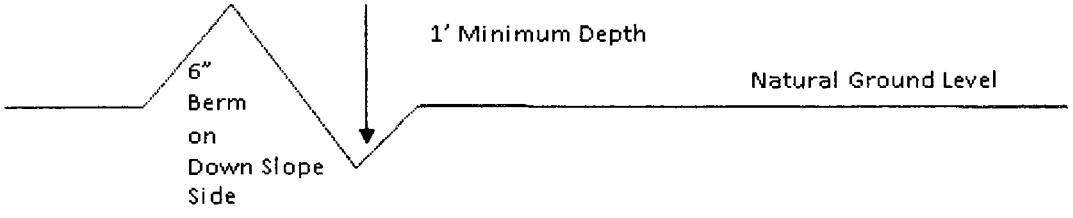
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

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

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

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

Construction Steps

1. Salvage topsoil
2. Construct road
3. Redistribute topsoil
4. Revegetate slopes

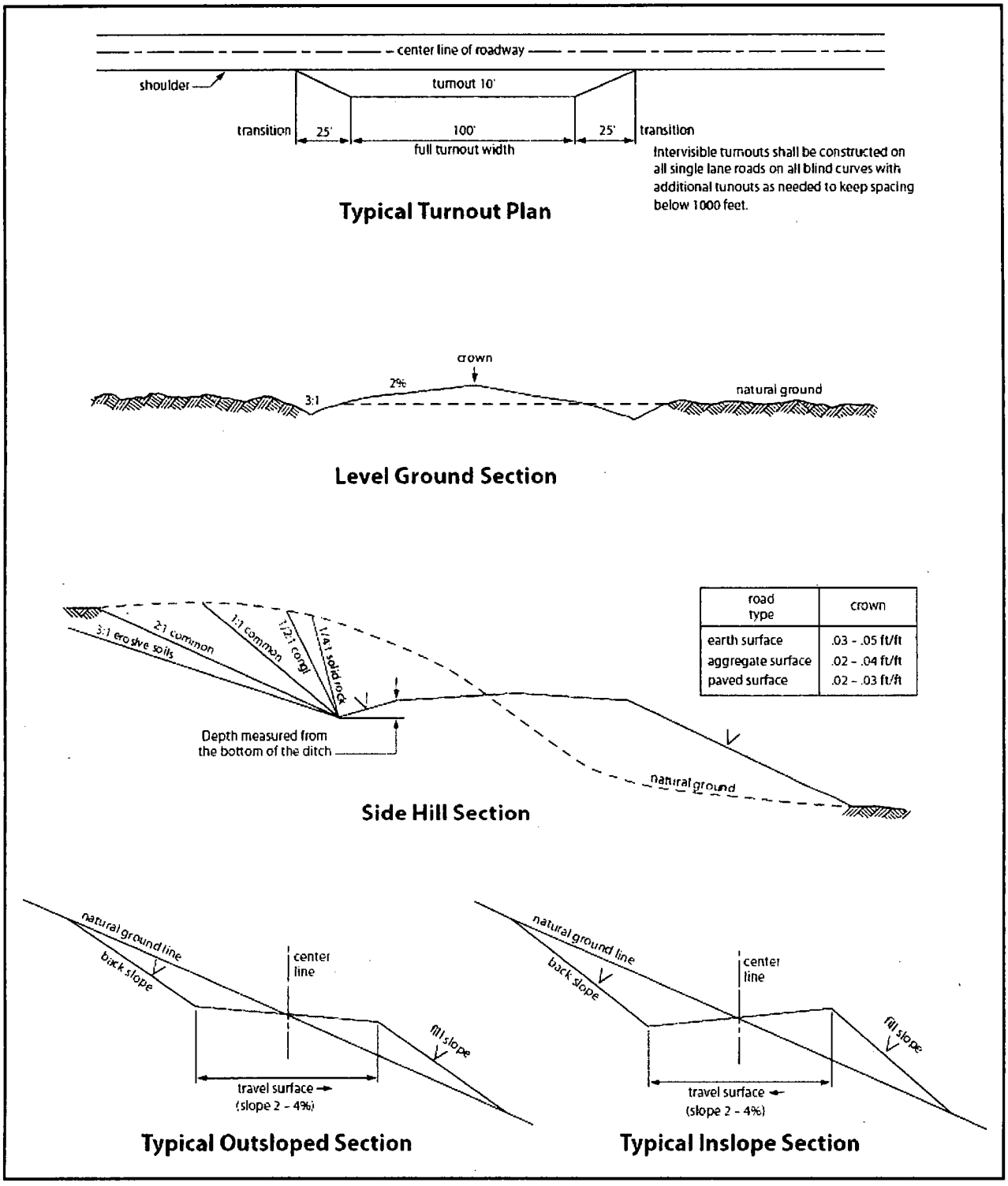


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

Containment Structures

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

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

VIII. INTERIM RECLAMATION

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

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

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

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

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

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

Seed Mixture for LPC Sand/Shinnery Sites

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

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

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

Species	lb/acre
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

*Pounds of pure live seed:

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

Hydrogen Sulfide Drilling

Operations Plan

1 H2S safety instructions to the following:

- Characteristics of H2S
- Physical effects and hazards
- Principal and operation of H2S detectors, warning system, and briefing areas
- Evacuation procedures, routes, and first aid
- Proper use of safety equipment & life support systems
- Essential personnel meeting medical evaluation criteria will receive additional training on the proper use of 30-minute pressure demand air packs

2 H2S Detection and Alarm Systems:

- H2S sensor/detectors will be located on the drilling rig floor, in the base of the sub structure / cellar area, and on the mud pits in the shale shaker area. Additional H2S detectors may be placed as deemed necessary.
- An audio alarm system will be installed on the derrick floor and in the doghouse.

3 Windsocks and / Wind Streamers:

- Windsocks at mud pit area should be high enough to be visible.
- Windsock on the rig floor and / top of doghouse should be high enough to be visible.

4 Condition Flags and Signs:

- Warning sign on access road to location
- Flags to be displayed on sign at entrance to location
    - Green Flag – Normal Safe Operation Condition
    - Yellow Flag – Potential Pressure and Danger
    - Red Flag – Danger (H2S present in dangerous concentrations) Only H2S trained personnel admitted on location

5 Well Control Equipment:

- See attachments

6 Communication:

- While working under masks, chalkboards will be used for communications.
- Hand signals will be used where chalkboard is inappropriate.
- Two-way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephones will be available at drilling foreman's trailer or living quarters.

depth. External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

- Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (9.0 ppg).

7 Drilling Stem Testing:

- No DSTs or cores are planned at this time.

8 Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubulars good and other mechanical equipment.

9 If H2S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H2S scavengers if necessary.

11 Emergency Contacts

- See following page

H2S Contingency Plan Emergency Contacts
Leslie Fed Com wells
Matador Production Company
Sec. 17, T25S, R35E Lea County, NM

Company Office			
Matador Production Company	(972)-371-5200		
Key Personnel			
Name	**Title**	**Office**	**Mobile**
Billy Goodwin	Vice President Drilling	972-371-5210	817-522-2928
Gary Martin	Drilling Superintendent		601-669-1774
Dee Smith	Drilling Superintendent	972-371-5447	972-822-1010
Patrick Walsh	Drilling Engineer	972-371-5291	626-318-5808
Greg Deevers	Construction Superintendent		405-431-9527
Jimmy Benefield	Construction Superintendent		318-548-6659

Lea County		
Ambulance	911	
Nor Lea General Hospital (Hobbs)	575-397-0560	
State Police (Hobbs)	575-392-5580	
City Police (Hobbs)	575-397-9625	
Sheriff's Office (Lovington)	575-396-3611	
Fire Marshall (Lovington)	575-391-2983	
Volunteer Fire Dept. (Jal)	575-395-2221	
Emergency Management (Lovington)	575-391-2983	
New Mexico Oil Conservation Division (Hobbs)	575-393-6161	575-390-3186
BLM (Hobbs)	575-393-3612	
Hobbs Animal Clinic	575-392-5563	
Dal Paso Animal Hospital (Hobbs)	575-397-2286	
Mountain States Equine (Hobbs)	575-392-7488	
Carlsbad		
BLM	575-234-5972	
Santa Fe		
New Mexico Emergency Response Commission (Santa Fe)	505-476-9600	
New Mexico Emergency Response Commission (Santa Fe) 24 hrs	505-827-9126	
New Mexico State Emergency Operations Center	505-476-9635	
National		
National Emergency Response Center (Washington, D.C.)	800-424-8802	
Medical		
Flight for Life- 4000 24th St.; Lubbock, TX	806-743-9911	
Aerocare- R3, Box 49F; Lubbock, TX	806-747-8923	
Med Flight Air Amb- 2301 Yale Blvd SE, D3; Albuquerque, NM	505-842-4433	
SB Air Med Service- 2505 Clark Carr Loop SE; Albuquerque, NM	505-842-4949	

Other		
Boots & Coots IWC	800-256-9688	or 281-931-8884
Cudd Pressure Control	432-699-0139	or 432-563-3356
Halliburton	575-746-2757	
B.J. Services	575-746-3569	
NM Dept. of Transportation (Roswell)	575-637-7200	

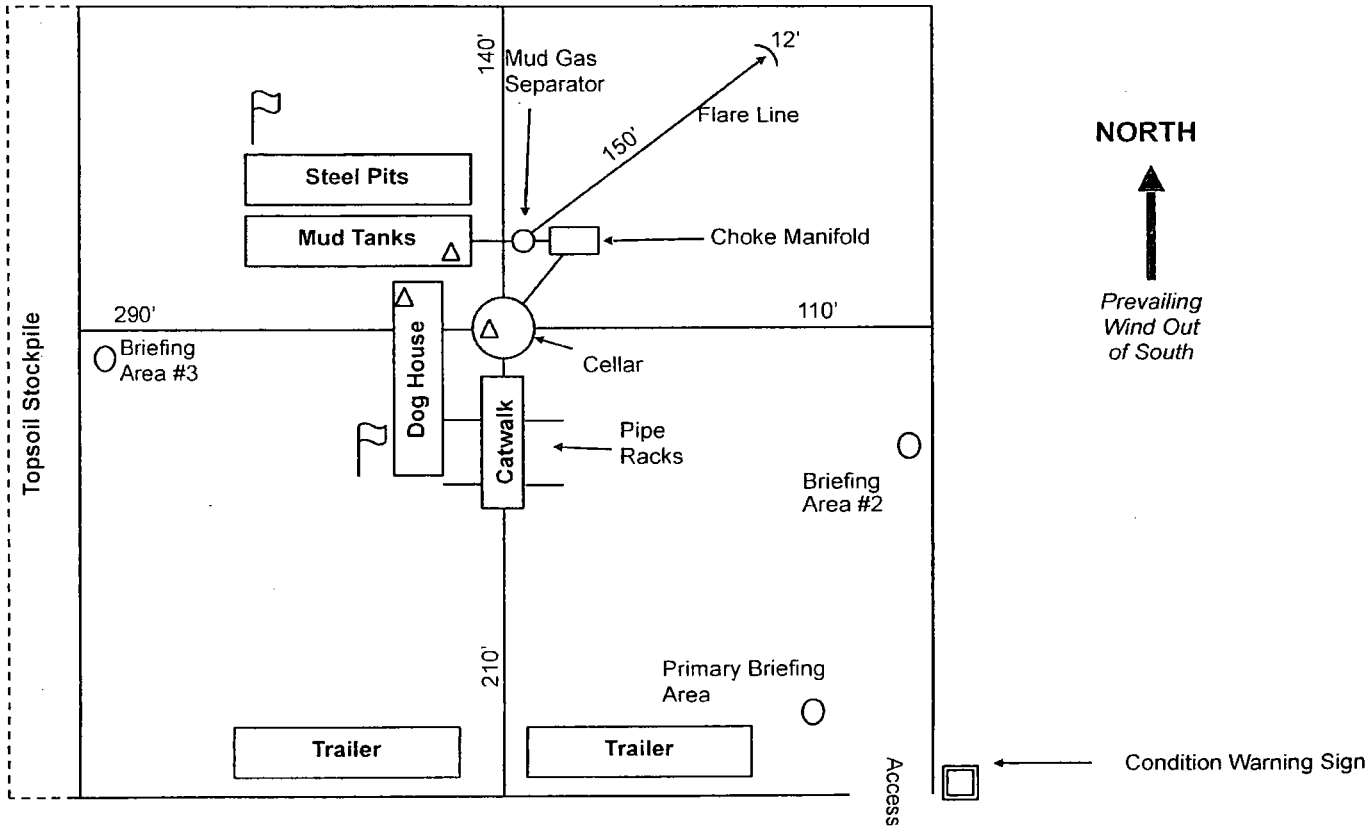
Rig Diagram

Leslie Fed Com 201H
SHL 295' FSL & 1202' FWL
17-25S-35E Lea County, NM

Wind Direction Indicator

H2S Monitors

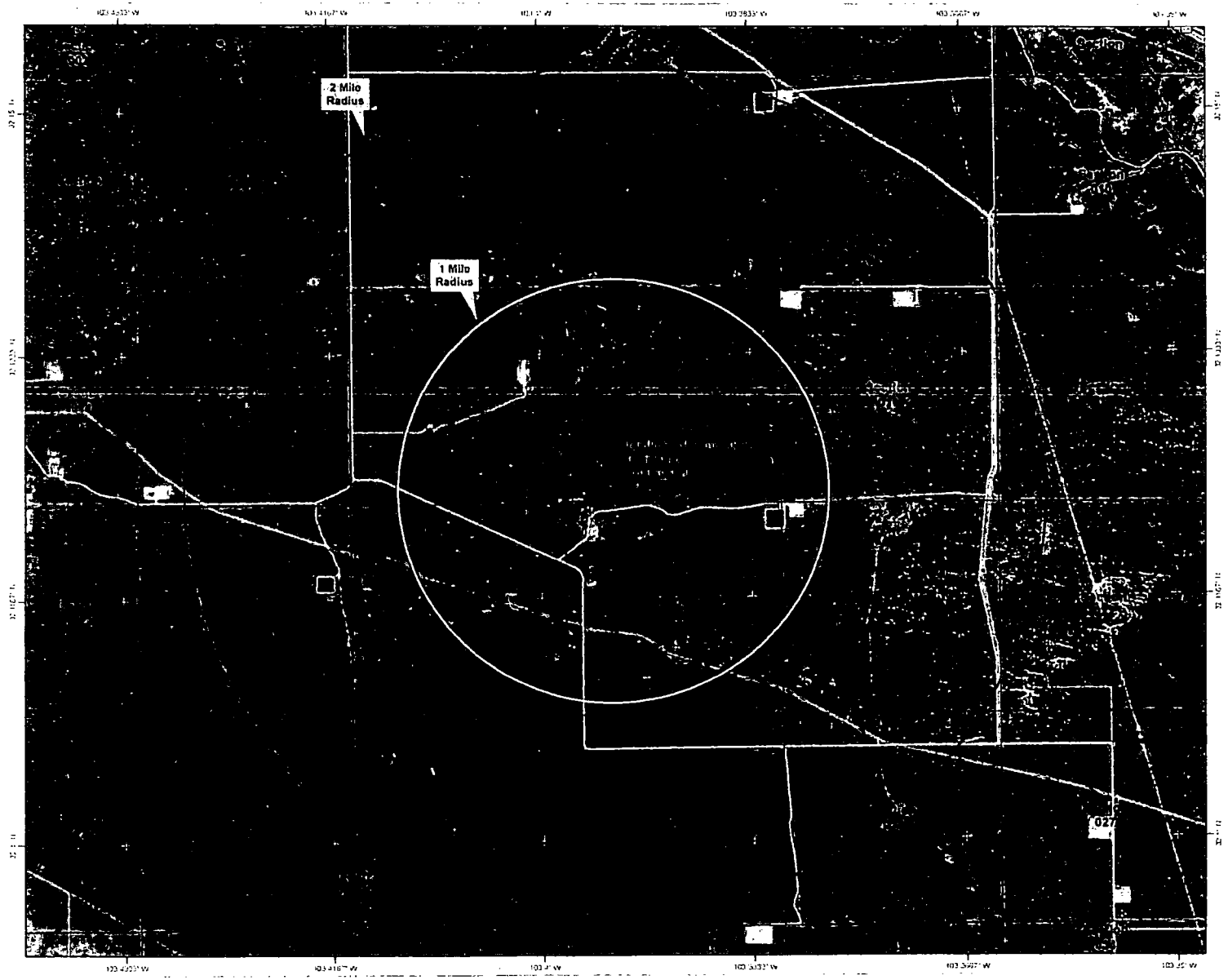
Briefing Areas



Matador Production Company

Leslie Fed Com #201H
H_2S Contingency Plan:
2 Mile Radius Map

Section 17, Township 25S, Range 35E
Lea County, New Mexico



Surface Hole Location

1:27,000

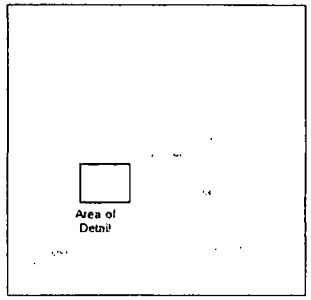
0 0.25 0.5 1

Miles

NAD 1983 New Mexico State Plane East FIPS 3001 Feet

PERMITS WEST, INC.

Prepared by Permits West, Inc., July 27, 2017 for Matador Production Company



Matador Resources
Lea County, NM
Leslie Fed Com
201H
Prelim Plan A
GL: 3311' + KB:29'

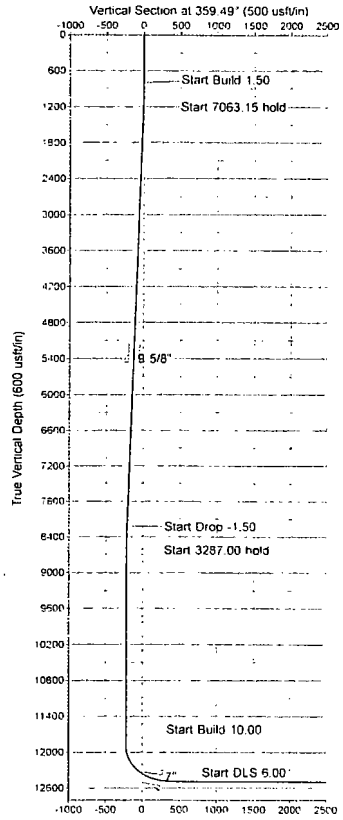
US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level

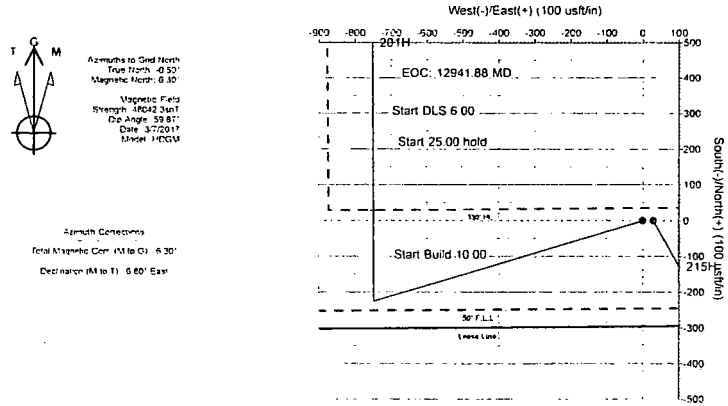
RKB Elevation Rig @ 3340.00usft (GL: 3311' + KB:29')

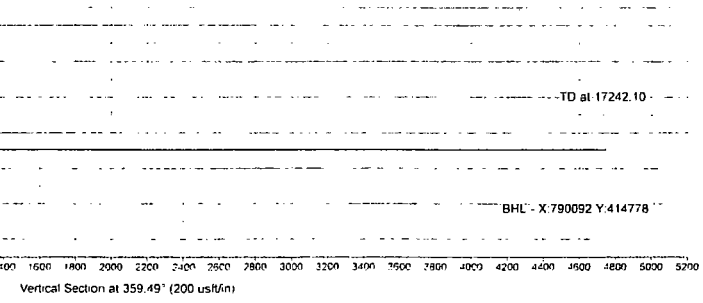
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	410039.00	790881.00	32° 7' 25.777 N	103° 23' 37.482 W	

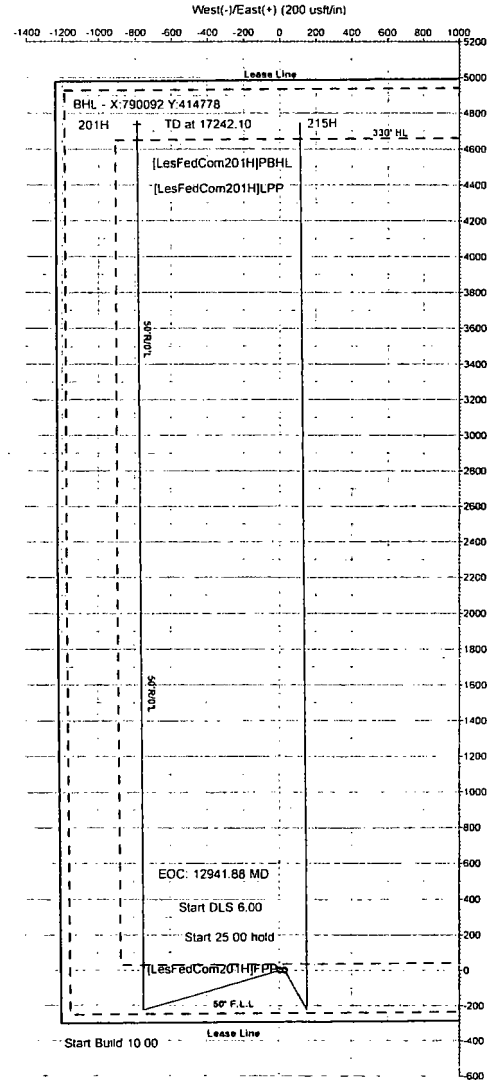
SECTION DETAILS- Latera

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00
3	1200.00	6.00	253.24	1199.27	-6.03	-20.04	1.50	-5.86
4	8263.15	6.00	253.24	8223.73	-218.97	-726.96	0.00	-212.49
5	8663.15	0.00	0.00	8623.00	-225.00	-747.00	1.50	-218.34
6	11950.15	0.00	0.00	11910.00	-225.00	-747.00	0.00	-218.34
7	12750.15	80.00	359.70	12474.25	248.46	-749.48	10.00	255.12
8	12775.15	80.00	359.70	12478.59	273.08	-749.61	0.00	279.74
9	12941.88	90.00	359.49	12493.11	439.85	-750.78	6.00	445.62
10	17242.10	90.00	359.49	12493.00	4739.00	-789.00	0.00	4745.84









36" x 48"

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Leslie Fed Com				
Site Position:		**Northing:**	410,039.00 usft	**Latitude:**	32° 7' 25.777 N
From:	Map	**Easting:**	790,881.00 usft	**Longitude:**	103° 23' 37.482 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.50 °

Well	201H					
Well Position	**+N/-S**	0.00 usft	**Northing:**	410,039.00 usft	**Latitude:**	32° 7' 25.777 N
	+E/-W	0.00 usft	**Easting:**	790,881.00 usft	**Longitude:**	103° 23' 37.482 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,311.00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	3/7/2017	6.80	59.87	48,042.30

Design	Prelim Plan A					
Audit Notes:						
Version:		**Phase:**	PLAN	**Tie On Depth:**		0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**		
	0.00	0.00	0.00	359.49		

Survey Tool Program **Date** 3/8/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,481.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,481.00	12,750.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,750.00	17,242.10	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG

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
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

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

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)
900.00	1.50	253.24	899.99	-0.38	-1.25	-0.37	1.50	1.50	0.00
1,000.00	3.00	253.24	999.91	-1.51	-5.01	-1.47	1.50	1.50	0.00
1,100.00	4.50	253.24	1,099.69	-3.40	-11.27	-3.30	1.50	1.50	0.00
1,200.00	6.00	253.24	1,199.27	-6.03	-20.04	-5.86	1.50	1.50	0.00
1,300.00	6.00	253.24	1,298.72	-9.05	-30.04	-8.78	0.00	0.00	0.00
1,400.00	6.00	253.24	1,398.17	-12.06	-40.05	-11.71	0.00	0.00	0.00
1,500.00	6.00	253.24	1,497.63	-15.08	-50.06	-14.63	0.00	0.00	0.00
1,600.00	6.00	253.24	1,597.08	-18.09	-60.07	-17.56	0.00	0.00	0.00
1,700.00	6.00	253.24	1,696.53	-21.11	-70.08	-20.48	0.00	0.00	0.00
1,800.00	6.00	253.24	1,795.98	-24.12	-80.09	-23.41	0.00	0.00	0.00
1,900.00	6.00	253.24	1,895.43	-27.14	-90.10	-26.33	0.00	0.00	0.00
2,000.00	6.00	253.24	1,994.89	-30.15	-100.11	-29.26	0.00	0.00	0.00
2,100.00	6.00	253.24	2,094.34	-33.17	-110.11	-32.19	0.00	0.00	0.00
2,200.00	6.00	253.24	2,193.79	-36.18	-120.12	-35.11	0.00	0.00	0.00
2,300.00	6.00	253.24	2,293.24	-39.20	-130.13	-38.04	0.00	0.00	0.00
2,400.00	6.00	253.24	2,392.70	-42.21	-140.14	-40.96	0.00	0.00	0.00
2,500.00	6.00	253.24	2,492.15	-45.23	-150.15	-43.89	0.00	0.00	0.00
2,600.00	6.00	253.24	2,591.60	-48.24	-160.16	-46.81	0.00	0.00	0.00
2,700.00	6.00	253.24	2,691.05	-51.25	-170.17	-49.74	0.00	0.00	0.00
2,800.00	6.00	253.24	2,790.50	-54.27	-180.17	-52.66	0.00	0.00	0.00
2,900.00	6.00	253.24	2,889.96	-57.28	-190.18	-55.59	0.00	0.00	0.00
3,000.00	6.00	253.24	2,989.41	-60.30	-200.19	-58.51	0.00	0.00	0.00
3,100.00	6.00	253.24	3,088.86	-63.31	-210.20	-61.44	0.00	0.00	0.00
3,200.00	6.00	253.24	3,188.31	-66.33	-220.21	-64.37	0.00	0.00	0.00
3,300.00	6.00	253.24	3,287.77	-69.34	-230.22	-67.29	0.00	0.00	0.00
3,400.00	6.00	253.24	3,387.22	-72.36	-240.23	-70.22	0.00	0.00	0.00
3,500.00	6.00	253.24	3,486.67	-75.37	-250.24	-73.14	0.00	0.00	0.00
3,600.00	6.00	253.24	3,586.12	-78.39	-260.24	-76.07	0.00	0.00	0.00
3,700.00	6.00	253.24	3,685.57	-81.40	-270.25	-78.99	0.00	0.00	0.00
3,800.00	6.00	253.24	3,785.03	-84.42	-280.26	-81.92	0.00	0.00	0.00
3,900.00	6.00	253.24	3,884.48	-87.43	-290.27	-84.84	0.00	0.00	0.00
4,000.00	6.00	253.24	3,983.93	-90.45	-300.28	-87.77	0.00	0.00	0.00
4,100.00	6.00	253.24	4,083.38	-93.46	-310.29	-90.69	0.00	0.00	0.00
4,200.00	6.00	253.24	4,182.84	-96.47	-320.30	-93.62	0.00	0.00	0.00
4,300.00	6.00	253.24	4,282.29	-99.49	-330.30	-96.55	0.00	0.00	0.00
4,400.00	6.00	253.24	4,381.74	-102.50	-340.31	-99.47	0.00	0.00	0.00
4,500.00	6.00	253.24	4,481.19	-105.52	-350.32	-102.40	0.00	0.00	0.00
4,600.00	6.00	253.24	4,580.64	-108.53	-360.33	-105.32	0.00	0.00	0.00
4,700.00	6.00	253.24	4,680.10	-111.55	-370.34	-108.25	0.00	0.00	0.00
4,800.00	6.00	253.24	4,779.55	-114.56	-380.35	-111.17	0.00	0.00	0.00
4,900.00	6.00	253.24	4,879.00	-117.58	-390.36	-114.10	0.00	0.00	0.00
5,000.00	6.00	253.24	4,978.45	-120.59	-400.37	-117.02	0.00	0.00	0.00
5,100.00	6.00	253.24	5,077.90	-123.61	-410.37	-119.95	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

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)
5,200.00	6.00	253.24	5,177.36	-126.62	-420.38	-122.87	0.00	0.00	0.00
5,300.00	6.00	253.24	5,276.81	-129.64	-430.39	-125.80	0.00	0.00	0.00
5,400.00	6.00	253.24	5,376.26	-132.65	-440.40	-128.73	0.00	0.00	0.00
5,481.00	6.00	253.24	5,456.82	-135.09	-448.51	-131.10	0.00	0.00	0.00
9 5/8"									
5,500.00	6.00	253.24	5,475.71	-135.67	-450.41	-131.65	0.00	0.00	0.00
5,600.00	6.00	253.24	5,575.17	-138.68	-460.42	-134.58	0.00	0.00	0.00
5,700.00	6.00	253.24	5,674.62	-141.69	-470.43	-137.50	0.00	0.00	0.00
5,800.00	6.00	253.24	5,774.07	-144.71	-480.44	-140.43	0.00	0.00	0.00
5,900.00	6.00	253.24	5,873.52	-147.72	-490.44	-143.35	0.00	0.00	0.00
6,000.00	6.00	253.24	5,972.97	-150.74	-500.45	-146.28	0.00	0.00	0.00
6,100.00	6.00	253.24	6,072.43	-153.75	-510.46	-149.20	0.00	0.00	0.00
6,200.00	6.00	253.24	6,171.88	-156.77	-520.47	-152.13	0.00	0.00	0.00
6,300.00	6.00	253.24	6,271.33	-159.78	-530.48	-155.05	0.00	0.00	0.00
6,400.00	6.00	253.24	6,370.78	-162.80	-540.49	-157.98	0.00	0.00	0.00
6,500.00	6.00	253.24	6,470.24	-165.81	-550.50	-160.91	0.00	0.00	0.00
6,600.00	6.00	253.24	6,569.69	-168.83	-560.50	-163.83	0.00	0.00	0.00
6,700.00	6.00	253.24	6,669.14	-171.84	-570.51	-166.76	0.00	0.00	0.00
6,800.00	6.00	253.24	6,768.59	-174.86	-580.52	-169.68	0.00	0.00	0.00
6,900.00	6.00	253.24	6,868.04	-177.87	-590.53	-172.61	0.00	0.00	0.00
7,000.00	6.00	253.24	6,967.50	-180.89	-600.54	-175.53	0.00	0.00	0.00
7,100.00	6.00	253.24	7,066.95	-183.90	-610.55	-178.46	0.00	0.00	0.00
7,200.00	6.00	253.24	7,166.40	-186.91	-620.56	-181.38	0.00	0.00	0.00
7,300.00	6.00	253.24	7,265.85	-189.93	-630.57	-184.31	0.00	0.00	0.00
7,400.00	6.00	253.24	7,365.31	-192.94	-640.57	-187.23	0.00	0.00	0.00
7,500.00	6.00	253.24	7,464.76	-195.96	-650.58	-190.16	0.00	0.00	0.00
7,600.00	6.00	253.24	7,564.21	-198.97	-660.59	-193.09	0.00	0.00	0.00
7,700.00	6.00	253.24	7,663.66	-201.99	-670.60	-196.01	0.00	0.00	0.00
7,800.00	6.00	253.24	7,763.11	-205.00	-680.61	-198.94	0.00	0.00	0.00
7,900.00	6.00	253.24	7,862.57	-208.02	-690.62	-201.86	0.00	0.00	0.00
8,000.00	6.00	253.24	7,962.02	-211.03	-700.63	-204.79	0.00	0.00	0.00
8,100.00	6.00	253.24	8,061.47	-214.05	-710.64	-207.71	0.00	0.00	0.00
8,200.00	6.00	253.24	8,160.92	-217.06	-720.64	-210.64	0.00	0.00	0.00
8,263.15	6.00	253.24	8,223.73	-218.97	-726.96	-212.49	0.00	0.00	0.00
8,300.00	5.45	253.24	8,260.39	-220.03	-730.48	-213.51	1.50	-1.50	0.00
8,400.00	3.95	253.24	8,360.05	-222.39	-738.32	-215.81	1.50	-1.50	0.00
8,500.00	2.45	253.24	8,459.90	-224.00	-743.66	-217.37	1.50	-1.50	0.00
8,600.00	0.95	253.24	8,559.85	-224.85	-746.50	-218.20	1.50	-1.50	0.00
8,663.15	0.00	0.00	8,623.00	-225.00	-747.00	-218.34	1.50	-1.50	0.00
8,700.00	0.00	0.00	8,659.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
8,800.00	0.00	0.00	8,759.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
8,900.00	0.00	0.00	8,859.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,000.00	0.00	0.00	8,959.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,100.00	0.00	0.00	9,059.85	-225.00	-747.00	-218.34	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

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)
9,200.00	0.00	0.00	9,159.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,300.00	0.00	0.00	9,259.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,400.00	0.00	0.00	9,359.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,500.00	0.00	0.00	9,459.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,600.00	0.00	0.00	9,559.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,700.00	0.00	0.00	9,659.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,800.00	0.00	0.00	9,759.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
9,900.00	0.00	0.00	9,859.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,000.00	0.00	0.00	9,959.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,100.00	0.00	0.00	10,059.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,200.00	0.00	0.00	10,159.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,300.00	0.00	0.00	10,259.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,400.00	0.00	0.00	10,359.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,500.00	0.00	0.00	10,459.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,600.00	0.00	0.00	10,559.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,700.00	0.00	0.00	10,659.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,800.00	0.00	0.00	10,759.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
10,900.00	0.00	0.00	10,859.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,000.00	0.00	0.00	10,959.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,100.00	0.00	0.00	11,059.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,200.00	0.00	0.00	11,159.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,300.00	0.00	0.00	11,259.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,400.00	0.00	0.00	11,359.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,500.00	0.00	0.00	11,459.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,600.00	0.00	0.00	11,559.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,700.00	0.00	0.00	11,659.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,800.00	0.00	0.00	11,759.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,900.00	0.00	0.00	11,859.85	-225.00	-747.00	-218.34	0.00	0.00	0.00
11,950.15	0.00	0.00	11,910.00	-225.00	-747.00	-218.34	0.00	0.00	0.00
12,000.00	4.98	359.70	11,959.78	-222.83	-747.01	-216.18	10.00	10.00	0.00
12,050.00	9.98	359.70	12,009.34	-216.32	-747.05	-209.66	10.00	10.00	0.00
12,100.00	14.98	359.70	12,058.14	-205.52	-747.10	-198.86	10.00	10.00	0.00
12,150.00	19.98	359.70	12,105.82	-190.50	-747.18	-183.84	10.00	10.00	0.00
12,200.00	24.98	359.70	12,152.00	-171.38	-747.28	-164.73	10.00	10.00	0.00
12,250.00	29.98	359.70	12,196.35	-148.32	-747.40	-141.66	10.00	10.00	0.00
12,300.00	34.98	359.70	12,238.51	-121.47	-747.54	-114.81	10.00	10.00	0.00
12,350.00	39.98	359.70	12,278.17	-91.05	-747.70	-84.40	10.00	10.00	0.00
12,400.00	44.98	359.70	12,315.03	-57.30	-747.88	-50.64	10.00	10.00	0.00
12,450.00	49.98	359.70	12,348.81	-20.45	-748.07	-13.79	10.00	10.00	0.00
12,500.00	54.98	359.70	12,379.25	19.19	-748.28	25.85	10.00	10.00	0.00
12,550.00	59.98	359.70	12,406.12	61.34	-748.50	68.00	10.00	10.00	0.00
12,600.00	64.98	359.70	12,429.21	105.67	-748.73	112.33	10.00	10.00	0.00
12,650.00	69.98	359.70	12,448.35	151.84	-748.97	158.51	10.00	10.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

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)
12,700.00	74.98	359.70	12,463.40	199.51	-749.22	206.17	10.00	10.00	0.00
12,750.00	79.98	359.70	12,474.23	248.31	-749.48	254.97	10.00	10.00	0.00
7"									
12,750.15	80.00	359.70	12,474.25	248.46	-749.48	255.12	10.00	10.00	0.00
12,775.15	80.00	359.70	12,478.59	273.08	-749.61	279.74	0.00	0.00	0.00
12,800.00	81.49	359.67	12,482.59	297.60	-749.74	304.26	6.00	6.00	-0.13
12,850.00	84.49	359.61	12,488.69	347.22	-750.06	353.88	6.00	6.00	-0.13
12,900.00	87.49	359.54	12,492.19	397.09	-750.43	403.75	6.00	6.00	-0.12
12,941.88	90.00	359.49	12,493.11	438.95	-750.78	445.62	6.00	6.00	-0.12
13,000.00	90.00	359.49	12,493.10	497.07	-751.30	503.74	0.00	0.00	0.00
13,100.00	90.00	359.49	12,493.10	597.07	-752.19	603.74	0.00	0.00	0.00
13,200.00	90.00	359.49	12,493.10	697.06	-753.08	703.74	0.00	0.00	0.00
13,300.00	90.00	359.49	12,493.10	797.06	-753.96	803.74	0.00	0.00	0.00
13,400.00	90.00	359.49	12,493.09	897.06	-754.85	903.74	0.00	0.00	0.00
13,500.00	90.00	359.49	12,493.09	997.05	-755.74	1,003.74	0.00	0.00	0.00
13,600.00	90.00	359.49	12,493.09	1,097.05	-756.63	1,103.74	0.00	0.00	0.00
13,700.00	90.00	359.49	12,493.09	1,197.04	-757.52	1,203.74	0.00	0.00	0.00
13,800.00	90.00	359.49	12,493.08	1,297.04	-758.41	1,303.74	0.00	0.00	0.00
13,900.00	90.00	359.49	12,493.08	1,397.04	-759.30	1,403.74	0.00	0.00	0.00
14,000.00	90.00	359.49	12,493.08	1,497.03	-760.19	1,503.74	0.00	0.00	0.00
14,100.00	90.00	359.49	12,493.08	1,597.03	-761.07	1,603.74	0.00	0.00	0.00
14,200.00	90.00	359.49	12,493.07	1,697.03	-761.96	1,703.74	0.00	0.00	0.00
14,300.00	90.00	359.49	12,493.07	1,797.02	-762.85	1,803.74	0.00	0.00	0.00
14,400.00	90.00	359.49	12,493.07	1,897.02	-763.74	1,903.74	0.00	0.00	0.00
14,500.00	90.00	359.49	12,493.07	1,997.01	-764.63	2,003.74	0.00	0.00	0.00
14,600.00	90.00	359.49	12,493.06	2,097.01	-765.52	2,103.74	0.00	0.00	0.00
14,700.00	90.00	359.49	12,493.06	2,197.01	-766.41	2,203.74	0.00	0.00	0.00
14,800.00	90.00	359.49	12,493.06	2,297.00	-767.30	2,303.74	0.00	0.00	0.00
14,900.00	90.00	359.49	12,493.06	2,397.00	-768.18	2,403.74	0.00	0.00	0.00
15,000.00	90.00	359.49	12,493.06	2,496.99	-769.07	2,503.74	0.00	0.00	0.00
15,100.00	90.00	359.49	12,493.05	2,596.99	-769.96	2,603.74	0.00	0.00	0.00
15,200.00	90.00	359.49	12,493.05	2,696.99	-770.85	2,703.74	0.00	0.00	0.00
15,300.00	90.00	359.49	12,493.05	2,796.98	-771.74	2,803.74	0.00	0.00	0.00
15,400.00	90.00	359.49	12,493.05	2,896.98	-772.63	2,903.74	0.00	0.00	0.00
15,500.00	90.00	359.49	12,493.04	2,996.97	-773.52	3,003.74	0.00	0.00	0.00
15,600.00	90.00	359.49	12,493.04	3,096.97	-774.41	3,103.74	0.00	0.00	0.00
15,700.00	90.00	359.49	12,493.04	3,196.97	-775.29	3,203.74	0.00	0.00	0.00
15,800.00	90.00	359.49	12,493.04	3,296.96	-776.18	3,303.74	0.00	0.00	0.00
15,900.00	90.00	359.49	12,493.03	3,396.96	-777.07	3,403.74	0.00	0.00	0.00
16,000.00	90.00	359.49	12,493.03	3,496.95	-777.96	3,503.74	0.00	0.00	0.00
16,100.00	90.00	359.49	12,493.03	3,596.95	-778.85	3,603.74	0.00	0.00	0.00
16,200.00	90.00	359.49	12,493.03	3,696.95	-779.74	3,703.74	0.00	0.00	0.00
16,300.00	90.00	359.49	12,493.02	3,796.94	-780.63	3,803.74	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,400.00	90.00	359.49	12,493.02	3,896.94	-781.52	3,903.74	0.00	0.00	0.00
16,500.00	90.00	359.49	12,493.02	3,996.93	-782.40	4,003.74	0.00	0.00	0.00
16,600.00	90.00	359.49	12,493.02	4,096.93	-783.29	4,103.74	0.00	0.00	0.00
16,700.00	90.00	359.49	12,493.01	4,196.93	-784.18	4,203.74	0.00	0.00	0.00
16,800.00	90.00	359.49	12,493.01	4,296.92	-785.07	4,303.74	0.00	0.00	0.00
16,900.00	90.00	359.49	12,493.01	4,396.92	-785.96	4,403.74	0.00	0.00	0.00
17,000.00	90.00	359.49	12,493.01	4,496.91	-786.85	4,503.74	0.00	0.00	0.00
17,100.00	90.00	359.49	12,493.00	4,596.91	-787.74	4,603.74	0.00	0.00	0.00
17,200.00	90.00	359.49	12,493.00	4,696.91	-788.63	4,703.74	0.00	0.00	0.00
17,242.10	90.00	359.49	12,493.00	4,739.00	-789.00	4,745.84	0.00	0.00	0.00

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
[LesFedCom201H]FPP	0.00	0.00	0.00	29.00	-747.00	410,068.00	790,134.00	32° 7' 26.129 N	103° 23' 46.164 W
- plan misses target center by 747.56usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[LesFedCom201H]LPP	0.00	0.00	0.00	4,649.00	-788.00	414,688.00	790,093.00	32° 8' 11.848 N	103° 23' 46.174 W
- plan misses target center by 4715.31usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[LesFedCom201H]PBHL	0.00	0.00	12,493.00	4,739.00	-789.00	414,778.00	790,092.00	32° 8' 12.739 N	103° 23' 46.176 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,481.00	5,456.82	9 5/8"	9-5/8	12-1/4
12,750.00	12,474.23	7"	7	8-3/4

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
800	800	0	0	Start Build 1.50
1200	1199	-6	-20	Start 7063.15 hold
8263	8224	-219	-727	Start Drop -1.50
8663	8623	-225	-747	Start 3287.00 hold
11,950	11,910	-225	-747	Start Build 10.00
12,750	12,474	248	-749	Start 25.00 hold
12,775	12,479	273	-750	Start DLS 6.00
12,942	12,493	439	-751	EOC: 12941.88 MD
17,241	12,493	4738	-789	BHL - X:790092 Y:414778
17,242	12,493	4739	-789	TD at 17242.10

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Well:	201H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Checked By: _____ Approved By: _____ Date: _____

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference	Prelim Plan A		
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 center-center distance of 9,999.98 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 3/8/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,481.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,481.00	12,750.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,750.00	17,242.10	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG

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
Biggers Fed						
201H - OH - Prelim Plan A	8,488.96	8,268.07	5,399.79	5,355.19	121.060	CC
201H - OH - Prelim Plan A	17,242.10	17,232.83	5,400.09	5,233.19	32.356	ES, SF
202H - OH - Prelim Plan A	17,242.10	17,346.56	3,601.20	3,434.37	21.585	CC, ES, SF
215H - OH - Prelim Plan A	1,821.67	1,413.91	4,358.37	4,347.39	397.083	CC
215H - OH - Prelim Plan A	17,242.10	17,507.71	4,505.50	4,338.60	26.996	ES, SF
Biggers Fed Com						
203H - OH - Prelim Plan A	8,323.26	8,153.97	1,797.16	1,753.34	41.012	CC
203H - OH - Prelim Plan A	17,242.10	17,302.06	1,801.55	1,631.17	10.574	ES, SF
214H - OH - Prelim Plan A	11,950.15	11,971.05	901.14	840.77	14.927	CC
214H - OH - Prelim Plan A	17,242.10	17,475.11	922.84	754.89	5.495	ES, SF
217H - OH - Prelim Plan A	507.81	528.81	2,468.89	2,465.64	758.836	CC
217H - OH - Prelim Plan A	600.00	600.00	2,468.98	2,465.14	643.081	ES
217H - OH - Prelim Plan A	17,242.10	17,483.84	2,707.73	2,537.10	15.869	SF
Leslie Fed Com						
202H - OH - Prelim Plan A	12,165.27	12,148.82	1,800.05	1,738.49	29.242	CC
202H - OH - Prelim Plan A	17,239.47	17,237.87	1,800.08	1,632.04	10.712	ES, SF
203H - OH - Prelim Plan A	800.00	768.00	2,028.10	2,022.94	393.164	CC, ES
203H - OH - Prelim Plan A	17,242.10	17,243.16	3,600.11	3,432.09	21.427	SF
214H - Prelim Plan A - Prelim Plan A	800.00	743.00	3,559.96	3,554.89	702.329	CC, ES
214H - Prelim Plan A - Prelim Plan A	17,242.10	17,198.37	4,501.56	4,334.85	27.002	SF
215H - OH - Prelim Plan A	800.00	800.00	30.00	24.73	5.689	CC, ES
215H - OH - Prelim Plan A	900.00	900.01	31.26	25.28	5.228	SF
217H - OH - Prelim Plan A	800.00	768.00	1,998.09	1,992.93	387.346	CC, ES
217H - OH - Prelim Plan A	17,242.10	17,292.13	2,701.99	2,533.97	16.082	SF

Offset Design Biggers Fed - 201H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5426-MWD - OWSG, 12755-MWD - OWSG — 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

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **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	42.00	42.00	0.00	0.05	-89.75	26.00	-5,986.00	5,986.06				
100.00	100.00	142.00	142.00	0.13	0.28	-89.75	26.00	-5,986.00	5,986.06	5,985.65	0.41	N/A	
200.00	200.00	242.00	242.00	0.49	0.64	-89.75	26.00	-5,986.00	5,986.06	5,984.93	1.12	5,335.089	
300.00	300.00	342.00	342.00	0.84	0.99	-89.75	26.00	-5,986.00	5,986.06	5,984.22	1.84	3,255.133	
400.00	400.00	442.00	442.00	1.20	1.35	-89.75	26.00	-5,986.00	5,986.06	5,983.50	2.56	2,342.052	
500.00	500.00	542.00	542.00	1.56	1.71	-89.75	26.00	-5,986.00	5,986.06	5,982.78	3.27	1,829.007	
600.00	600.00	642.00	642.00	1.92	2.07	-89.75	26.00	-5,986.00	5,986.06	5,982.07	3.99	1,500.344	
700.00	700.00	742.00	742.00	2.28	2.43	-89.75	26.00	-5,986.00	5,986.06	5,981.35	4.71	1,271.808	
800.00	800.00	842.00	842.00	2.64	2.79	-89.75	26.00	-5,986.00	5,986.06	5,980.63	5.42	1,103.690	
900.00	899.99	941.99	941.99	2.98	3.15	17.02	26.00	-5,986.00	5,984.80	5,978.68	6.13	976.399	
1,000.00	999.91	1,041.91	1,041.91	3.33	3.50	17.05	26.00	-5,986.00	5,981.05	5,974.22	6.83	875.922	
1,100.00	1,099.69	1,141.69	1,141.69	3.67	3.86	17.09	26.00	-5,986.00	5,974.80	5,967.27	7.53	793.370	
1,200.00	1,199.27	1,241.27	1,241.27	4.03	4.22	17.16	26.00	-5,986.00	5,966.05	5,957.81	8.24	724.354	
1,300.00	1,298.72	1,340.72	1,340.72	4.39	4.57	17.19	26.00	-5,986.00	5,956.06	5,947.12	8.94	665.998	
1,400.00	1,398.17	1,440.17	1,440.17	4.76	4.93	17.22	26.00	-5,986.00	5,946.07	5,936.42	9.65	616.103	
1,500.00	1,497.63	1,539.63	1,539.63	5.13	5.29	17.25	26.00	-5,986.00	5,936.08	5,925.72	10.36	572.898	
1,600.00	1,597.08	1,639.08	1,639.08	5.51	5.64	17.28	26.00	-5,986.00	5,926.09	5,915.02	11.07	535.146	
1,700.00	1,696.53	1,738.53	1,738.53	5.89	6.00	17.31	26.00	-5,986.00	5,916.11	5,904.32	11.79	501.890	
1,800.00	1,795.98	1,837.98	1,837.98	6.27	6.36	17.34	26.00	-5,986.00	5,906.13	5,893.62	12.50	472.384	
1,900.00	1,895.43	1,937.43	1,937.43	6.65	6.71	17.37	26.00	-5,986.00	5,896.14	5,882.92	13.22	446.034	
2,000.00	1,994.89	2,036.89	2,036.89	7.04	7.07	17.40	26.00	-5,986.00	5,886.16	5,872.23	13.94	422.365	
2,100.00	2,094.34	2,136.34	2,136.34	7.42	7.43	17.43	26.00	-5,986.00	5,876.18	5,861.53	14.65	400.992	
2,200.00	2,193.79	2,235.79	2,235.79	7.81	7.78	17.46	26.00	-5,986.00	5,866.21	5,850.83	15.37	381.598	
2,300.00	2,293.24	2,335.24	2,335.24	8.20	8.14	17.49	26.00	-5,986.00	5,856.23	5,840.14	16.09	363.924	
2,400.00	2,392.70	2,434.70	2,434.70	8.59	8.50	17.52	26.00	-5,986.00	5,846.26	5,829.45	16.81	347.751	
2,500.00	2,492.15	2,534.15	2,534.15	8.97	8.85	17.55	26.00	-5,986.00	5,836.29	5,818.75	17.53	332.897	
2,600.00	2,591.60	2,633.60	2,633.60	9.36	9.21	17.58	26.00	-5,986.00	5,826.32	5,808.06	18.25	319.209	
2,700.00	2,691.05	2,733.05	2,733.05	9.75	9.57	17.61	26.00	-5,986.00	5,816.35	5,797.37	18.97	306.554	
2,800.00	2,790.50	2,832.50	2,832.50	10.15	9.92	17.65	26.00	-5,986.00	5,806.38	5,786.69	19.69	294.822	
2,900.00	2,889.96	2,931.96	2,931.96	10.54	10.28	17.68	26.00	-5,986.00	5,796.42	5,776.00	20.42	283.914	
3,000.00	2,989.41	3,031.41	3,031.41	10.93	10.64	17.71	26.00	-5,986.00	5,786.45	5,765.31	21.14	273.748	
3,100.00	3,088.86	3,130.86	3,130.86	11.32	10.99	17.74	26.00	-5,986.00	5,776.49	5,754.63	21.86	264.250	
3,200.00	3,188.31	3,230.31	3,230.31	11.71	11.35	17.77	26.00	-5,986.00	5,766.53	5,743.95	22.58	255.357	
3,300.00	3,287.77	3,329.77	3,329.77	12.11	11.71	17.80	26.00	-5,986.00	5,756.57	5,733.27	23.30	247.013	
3,400.00	3,387.22	3,429.22	3,429.22	12.50	12.06	17.83	26.00	-5,986.00	5,746.62	5,722.59	24.03	239.169	
3,500.00	3,486.67	3,528.67	3,528.67	12.89	12.42	17.87	26.00	-5,986.00	5,736.66	5,711.91	24.75	231.782	
3,600.00	3,586.12	3,628.12	3,628.12	13.28	12.77	17.90	26.00	-5,986.00	5,726.71	5,701.23	25.47	224.813	
3,700.00	3,685.57	3,727.57	3,727.57	13.68	13.13	17.93	26.00	-5,986.00	5,716.76	5,690.56	26.20	218.227	
3,800.00	3,785.03	3,827.03	3,827.03	14.07	13.49	17.96	26.00	-5,986.00	5,706.81	5,679.89	26.92	211.994	
3,900.00	3,884.48	3,926.48	3,926.48	14.47	13.84	18.00	26.00	-5,986.00	5,696.86	5,669.22	27.64	206.086	
4,000.00	3,983.93	4,025.93	4,025.93	14.86	14.20	18.03	26.00	-5,986.00	5,686.91	5,658.55	28.37	200.479	
4,100.00	4,083.38	4,125.38	4,125.38	15.25	14.56	18.06	26.00	-5,986.00	5,676.97	5,647.88	29.09	195.150	
4,200.00	4,182.84	4,224.84	4,224.84	15.65	14.91	18.09	26.00	-5,986.00	5,667.03	5,637.21	29.81	190.079	
4,300.00	4,282.29	4,324.29	4,324.29	16.04	15.27	18.13	26.00	-5,986.00	5,657.09	5,626.55	30.54	185.247	
4,400.00	4,381.74	4,423.74	4,423.74	16.44	15.63	18.16	26.00	-5,986.00	5,647.15	5,615.89	31.26	180.639	
4,500.00	4,481.19	4,523.19	4,523.19	16.83	15.98	18.19	26.00	-5,986.00	5,637.21	5,605.23	31.99	176.239	
4,600.00	4,580.64	4,600.00	4,600.00	17.23	16.26	18.22	26.00	-5,986.00	5,627.32	5,594.69	32.63	172.441	
4,700.00	4,680.10	4,671.81	4,671.80	17.62	16.50	18.24	25.41	-5,986.34	5,617.89	5,584.64	33.25	168.956	
4,800.00	4,779.55	4,730.42	4,730.39	18.02	16.70	18.24	24.07	-5,987.11	5,609.21	5,575.39	33.82	165.860	
4,900.00	4,879.00	4,800.00	4,799.91	18.41	16.93	18.24	21.46	-5,988.60	5,601.28	5,566.87	34.42	162.753	
5,000.00	4,978.45	4,847.83	4,847.66	18.81	17.08	18.23	19.03	-5,990.00	5,594.05	5,559.10	34.94	160.088	
5,100.00	5,077.90	4,906.58	4,906.25	19.20	17.27	18.21	15.33	-5,992.12	5,587.56	5,552.05	35.50	157.376	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **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
5,200.00	5,177.36	4,987.66	4,987.03	19.60	17.54	18.17	9.28	-5,995.59	5,581.70	5,545.56	36.14	154.457	
5,300.00	5,276.81	5,087.39	5,086.38	19.99	17.87	18.13	1.74	-5,999.91	5,575.91	5,539.08	36.83	151.383	
5,400.00	5,376.26	5,187.13	5,185.74	20.39	18.20	18.08	-5.80	-6,004.23	5,570.14	5,532.60	37.53	148.416	
5,500.00	5,475.71	5,286.86	5,285.09	20.61	18.53	18.04	-13.34	-6,008.56	5,564.36	5,526.31	38.05	146.233	
5,600.00	5,575.17	5,386.60	5,384.45	20.67	18.87	17.99	-20.88	-6,012.88	5,558.59	5,520.19	38.40	144.769	
5,700.00	5,674.62	5,486.33	5,483.81	20.73	19.06	17.95	-28.42	-6,017.21	5,552.82	5,514.21	38.61	143.829	
5,800.00	5,774.07	5,586.07	5,583.16	20.80	19.09	17.90	-35.96	-6,021.53	5,547.05	5,508.39	38.67	143.460	
5,900.00	5,873.52	5,685.81	5,682.52	20.88	19.11	17.86	-43.50	-6,025.86	5,541.29	5,502.58	38.72	143.123	
6,000.00	5,972.97	5,785.54	5,781.88	20.97	19.14	17.81	-51.04	-6,030.18	5,535.54	5,496.75	38.78	142.734	
6,100.00	6,072.43	5,885.28	5,881.23	21.06	19.18	17.76	-58.58	-6,034.50	5,529.78	5,490.92	38.86	142.294	
6,200.00	6,171.88	5,985.01	5,980.59	21.16	19.22	17.72	-66.12	-6,038.83	5,524.03	5,485.08	38.96	141.804	
6,300.00	6,271.33	6,084.75	6,079.94	21.27	19.27	17.67	-73.66	-6,043.15	5,518.28	5,479.22	39.06	141.265	
6,400.00	6,370.78	6,184.48	6,179.30	21.38	19.33	17.63	-81.20	-6,047.48	5,512.54	5,473.36	39.19	140.679	
6,500.00	6,470.24	6,284.22	6,278.66	21.51	19.40	17.58	-88.74	-6,051.80	5,506.80	5,467.48	39.32	140.048	
6,600.00	6,569.69	6,383.95	6,378.01	21.63	19.47	17.53	-96.29	-6,056.12	5,501.06	5,461.59	39.47	139.372	
6,700.00	6,669.14	6,483.69	6,477.37	21.77	19.55	17.49	-103.83	-6,060.45	5,495.33	5,455.70	39.63	138.654	
6,800.00	6,768.59	6,583.43	6,576.72	21.91	19.64	17.44	-111.37	-6,064.77	5,489.60	5,449.79	39.81	137.896	
6,900.00	6,868.04	6,683.16	6,676.08	22.05	19.73	17.39	-118.91	-6,069.10	5,483.88	5,443.88	40.00	137.099	
7,000.00	6,967.50	6,782.90	6,775.44	22.21	19.83	17.35	-126.45	-6,073.42	5,478.16	5,437.95	40.20	136.266	
7,100.00	7,066.95	6,882.63	6,874.79	22.37	19.94	17.30	-133.99	-6,077.75	5,472.44	5,432.02	40.42	135.398	
7,200.00	7,166.40	6,982.37	6,974.15	22.53	20.06	17.25	-141.53	-6,082.07	5,466.72	5,426.08	40.65	134.497	
7,300.00	7,265.85	7,082.10	7,073.50	22.70	20.18	17.20	-149.07	-6,086.39	5,461.01	5,420.13	40.89	133.566	
7,400.00	7,365.31	7,181.84	7,172.86	22.88	20.31	17.16	-156.61	-6,090.72	5,455.31	5,414.17	41.14	132.607	
7,500.00	7,464.76	7,281.58	7,272.22	23.06	20.45	17.11	-164.15	-6,095.04	5,449.60	5,408.20	41.40	131.622	
7,600.00	7,564.21	7,381.31	7,371.57	23.25	20.59	17.06	-171.69	-6,099.37	5,443.90	5,402.22	41.68	130.612	
7,700.00	7,663.66	7,481.05	7,470.93	23.44	20.74	17.01	-179.23	-6,103.69	5,438.21	5,396.24	41.97	129.581	
7,800.00	7,763.11	7,580.78	7,570.28	23.63	20.89	16.97	-186.77	-6,108.02	5,432.51	5,390.25	42.27	128.529	
7,900.00	7,862.57	7,680.52	7,669.64	23.84	21.05	16.92	-194.31	-6,112.34	5,426.83	5,384.25	42.58	127.459	
8,000.00	7,962.02	7,780.25	7,769.00	24.04	21.22	16.87	-201.85	-6,116.66	5,421.14	5,378.24	42.90	126.373	
8,100.00	8,061.47	7,879.99	7,868.35	24.26	21.39	16.82	-209.40	-6,120.99	5,415.46	5,372.23	43.23	125.273	
8,200.00	8,160.92	7,979.72	7,967.71	24.47	21.56	16.78	-216.94	-6,125.31	5,409.78	5,366.21	43.57	124.160	
8,263.15	8,223.73	8,042.71	8,030.45	24.61	21.68	16.75	-221.70	-6,128.04	5,406.20	5,362.41	43.79	123.451	
8,300.00	8,260.39	8,079.47	8,067.07	24.69	21.75	16.72	-224.48	-6,129.64	5,404.28	5,360.36	43.92	123.041	
8,400.00	8,360.05	8,179.27	8,166.49	24.90	21.93	16.65	-232.02	-6,133.96	5,400.79	5,356.51	44.28	121.967	
8,488.96	8,448.87	8,268.07	8,254.95	25.07	22.11	16.59	-238.74	-6,137.81	5,399.79	5,355.19	44.60	121.060 CC	
8,500.00	8,459.90	8,279.08	8,265.93	25.09	22.13	16.58	-239.57	-6,138.29	5,399.81	5,355.16	44.64	120.951	
8,600.00	8,559.85	8,483.33	9,469.61	25.27	22.53	16.46	-252.56	-6,145.74	5,400.93	5,355.72	45.21	119.471	
8,663.15	8,623.00	8,663.15	8,640.28	25.38	22.85	-90.33	-256.38	-6,147.93	5,401.08	5,355.45	45.63	118.366	
8,700.00	8,659.85	8,715.64	8,701.85	25.43	22.94	-90.33	-256.50	-6,148.00	5,401.09	5,355.32	45.77	117.993	
8,800.00	8,759.85	8,815.64	8,801.85	25.59	23.11	-90.33	-256.50	-6,148.00	5,401.09	5,354.98	46.11	117.130	
8,900.00	8,859.85	8,915.64	8,901.85	25.75	23.28	-90.33	-256.50	-6,148.00	5,401.09	5,354.63	46.46	116.258	
9,000.00	8,959.85	9,015.64	9,001.85	25.91	23.46	-90.33	-256.50	-6,148.00	5,401.09	5,354.28	46.81	115.378	
9,100.00	9,059.85	9,115.64	9,101.85	26.08	23.63	-90.33	-256.50	-6,148.00	5,401.09	5,353.92	47.17	114.491	
9,200.00	9,159.85	9,215.64	9,201.85	26.25	23.82	-90.33	-256.50	-6,148.00	5,401.09	5,353.55	47.55	113.598	
9,300.00	9,259.85	9,315.64	9,301.85	26.43	24.01	-90.33	-256.50	-6,148.00	5,401.09	5,353.17	47.92	112.701	
9,400.00	9,359.85	9,415.64	9,401.85	26.61	24.20	-90.33	-256.50	-6,148.00	5,401.09	5,352.78	48.31	111.800	
9,500.00	9,459.85	9,515.64	9,501.85	26.79	24.39	-90.33	-256.50	-6,148.00	5,401.09	5,352.39	48.70	110.896	
9,600.00	9,559.85	9,615.64	9,601.85	26.97	24.59	-90.33	-256.50	-6,148.00	5,401.09	5,351.99	49.11	109.990	
9,700.00	9,659.85	9,715.64	9,701.85	27.16	24.79	-90.33	-256.50	-6,148.00	5,401.09	5,351.58	49.51	109.084	
9,800.00	9,759.85	9,815.64	9,801.85	27.36	25.00	-90.33	-256.50	-6,148.00	5,401.09	5,351.16	49.93	108.177	
9,900.00	9,859.85	9,915.64	9,901.85	27.55	25.21	-90.33	-256.50	-6,148.00	5,401.09	5,350.74	50.35	107.270	
10,000.00	9,959.85	10,015.64	10,001.85	27.75	25.42	-90.33	-256.50	-6,148.00	5,401.09	5,350.31	50.78	106.365	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **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	10,059.85	10,115.64	10,101.85	27.95	25.63	-90.33	-256.50	-6,148.00	5,401.09	5,349.88	51.21	105.462	
10,200.00	10,159.85	10,215.64	10,201.85	28.16	25.85	-90.33	-256.50	-6,148.00	5,401.09	5,349.44	51.66	104.561	
10,300.00	10,259.85	10,315.64	10,301.85	28.37	26.07	-90.33	-256.50	-6,148.00	5,401.09	5,348.99	52.10	103.663	
10,400.00	10,359.85	10,415.64	10,401.85	28.58	26.30	-90.33	-256.50	-6,148.00	5,401.09	5,348.54	52.56	102.769	
10,500.00	10,459.85	10,515.64	10,501.85	28.80	26.53	-90.33	-256.50	-6,148.00	5,401.09	5,348.08	53.01	101.879	
10,600.00	10,559.85	10,615.64	10,601.85	29.01	26.76	-90.33	-256.50	-6,148.00	5,401.09	5,347.61	53.48	100.993	
10,700.00	10,659.85	10,715.64	10,701.85	29.23	26.99	-90.33	-256.50	-6,148.00	5,401.09	5,347.14	53.95	100.113	
10,800.00	10,759.85	10,815.64	10,801.85	29.46	27.23	-90.33	-256.50	-6,148.00	5,401.09	5,346.67	54.43	99.238	
10,900.00	10,859.85	10,915.64	10,901.85	29.68	27.47	-90.33	-256.50	-6,148.00	5,401.09	5,346.19	54.91	98.368	
11,000.00	10,959.85	11,015.64	11,001.85	29.91	27.71	-90.33	-256.50	-6,148.00	5,401.09	5,345.70	55.39	97.505	
11,100.00	11,059.85	11,115.64	11,101.85	30.14	27.95	-90.33	-256.50	-6,148.00	5,401.09	5,345.21	55.88	96.648	
11,200.00	11,159.85	11,215.64	11,201.85	30.38	28.20	-90.33	-256.50	-6,148.00	5,401.09	5,344.71	56.38	95.798	
11,300.00	11,259.85	11,315.64	11,301.85	30.61	28.45	-90.33	-256.50	-6,148.00	5,401.09	5,344.21	56.88	94.955	
11,400.00	11,359.85	11,415.64	11,401.85	30.85	28.70	-90.33	-256.50	-6,148.00	5,401.09	5,343.71	57.39	94.119	
11,500.00	11,459.85	11,515.64	11,501.85	31.09	28.95	-90.33	-256.50	-6,148.00	5,401.09	5,343.20	57.90	93.290	
11,600.00	11,559.85	11,615.64	11,601.85	31.33	29.21	-90.33	-256.50	-6,148.00	5,401.09	5,342.68	58.41	92.469	
11,700.00	11,659.85	11,715.64	11,701.85	31.58	29.47	-90.33	-256.50	-6,148.00	5,401.09	5,342.16	58.93	91.656	
11,800.00	11,759.85	11,815.64	11,801.85	31.82	29.73	-90.33	-256.50	-6,148.00	5,401.09	5,341.64	59.45	90.851	
11,900.00	11,859.85	11,915.64	11,901.85	32.07	29.99	-90.33	-256.50	-6,148.00	5,401.09	5,341.12	59.98	90.053	
11,950.15	11,910.00	11,965.92	11,952.13	32.20	30.12	-90.33	-256.43	-6,148.00	5,401.09	5,340.85	60.24	89.657	
12,000.00	11,959.78	12,016.42	12,002.51	32.32	30.25	-90.02	-253.40	-6,148.01	5,401.09	5,340.59	60.50	89.277	
12,050.00	12,009.34	12,066.99	12,052.52	32.44	30.37	-90.02	-245.94	-6,148.05	5,401.08	5,340.34	60.74	88.921	
12,100.00	12,058.14	12,117.49	12,101.59	32.55	30.48	-90.01	-234.11	-6,148.10	5,401.07	5,340.11	60.97	88.592	
12,150.00	12,105.82	12,167.90	12,149.36	32.65	30.58	-90.00	-218.05	-6,148.17	5,401.06	5,339.88	61.18	88.288	
12,200.00	12,152.00	12,218.22	12,195.45	32.74	30.67	-89.99	-197.89	-6,148.26	5,401.04	5,339.67	61.37	88.006	
12,250.00	12,196.35	12,268.45	12,239.51	32.82	30.76	-89.98	-173.81	-6,148.36	5,401.02	5,339.46	61.56	87.741	
12,300.00	12,238.51	12,318.59	12,281.23	32.89	30.84	-89.97	-146.02	-6,148.48	5,401.00	5,339.26	61.73	87.490	
12,350.00	12,278.17	12,368.64	12,320.28	32.96	30.91	-89.96	-114.75	-6,148.62	5,400.97	5,339.06	61.90	87.247	
12,400.00	12,315.03	12,418.60	12,356.40	33.02	30.97	-89.96	-80.26	-6,148.77	5,400.94	5,338.86	62.08	87.007	
12,450.00	12,348.81	12,468.47	12,389.32	33.07	31.04	-89.95	-42.82	-6,148.93	5,400.91	5,338.66	62.25	86.763	
12,500.00	12,379.25	12,518.24	12,418.81	33.12	31.11	-89.94	-2.74	-6,149.11	5,400.87	5,338.44	62.43	86.511	
12,550.00	12,406.12	12,567.94	12,444.67	33.17	31.19	-89.93	39.68	-6,149.29	5,400.84	5,338.22	62.62	86.244	
12,600.00	12,429.21	12,617.54	12,466.73	33.22	31.28	-89.93	84.10	-6,149.49	5,400.80	5,337.97	62.83	85.960	
12,650.00	12,448.35	12,667.07	12,484.83	33.27	31.38	-89.92	130.18	-6,149.69	5,400.76	5,337.71	63.05	85.654	
12,700.00	12,463.40	12,716.52	12,498.87	33.34	31.50	-89.92	177.58	-6,149.89	5,400.72	5,337.42	63.30	85.324	
12,750.15	12,474.25	12,766.17	12,508.88	38.63	36.96	-89.91	226.19	-6,150.11	5,400.68	5,337.16	63.51	85.030	
12,775.15	12,478.59	12,789.94	12,512.97	38.66	36.98	-89.91	249.60	-6,150.21	5,400.66	5,337.06	63.59	84.924	
12,800.00	12,482.59	12,811.51	12,516.30	38.68	36.99	-89.91	270.92	-6,150.31	5,400.64	5,336.96	63.68	84.807	
12,850.00	12,488.69	12,854.92	12,521.53	38.72	37.01	-89.90	314.01	-6,150.56	5,400.61	5,336.73	63.88	84.541	
12,900.00	12,492.19	12,898.33	12,524.79	38.78	37.03	-89.90	357.29	-6,150.86	5,400.59	5,336.46	64.12	84.226	
12,941.88	12,493.11	12,934.70	12,526.01	38.82	37.05	-89.90	393.64	-6,151.15	5,400.56	5,336.21	64.35	83.922	
13,000.00	12,493.10	13,009.27	12,526.11	38.89	37.09	-89.90	449.67	-6,151.64	5,400.55	5,335.76	64.79	83.353	
13,100.00	12,493.10	13,109.27	12,526.10	39.03	37.15	-89.90	549.66	-6,152.51	5,400.54	5,334.95	65.59	82.337	
13,200.00	12,493.10	13,209.27	12,526.10	39.20	37.21	-89.90	649.66	-6,153.39	5,400.53	5,333.99	66.55	81.155	
13,300.00	12,493.10	13,290.73	12,526.10	39.39	37.26	-89.90	749.65	-6,154.27	5,400.52	5,332.98	67.55	79.954	
13,400.00	12,493.09	13,409.27	12,526.10	39.63	37.35	-89.90	849.65	-6,155.15	5,400.51	5,331.61	68.90	78.385	
13,500.00	12,493.09	13,509.27	12,526.09	39.91	37.43	-89.90	949.65	-6,156.03	5,400.50	5,330.22	70.28	76.844	
13,600.00	12,493.09	13,609.27	12,526.09	40.26	37.54	-89.90	1,049.64	-6,156.90	5,400.49	5,328.70	71.79	75.229	
13,700.00	12,493.09	13,709.27	12,526.09	40.67	37.69	-89.90	1,149.64	-6,157.78	5,400.48	5,327.06	73.41	73.561	
13,800.00	12,493.08	13,809.27	12,526.09	41.17	37.99	-89.90	1,249.64	-6,158.66	5,400.47	5,325.31	75.15	71.859	
13,900.00	12,493.08	13,909.27	12,526.08	41.76	38.56	-89.90	1,349.63	-6,159.54	5,400.46	5,323.46	77.00	70.139	
14,000.00	12,493.08	13,990.73	12,526.08	42.43	39.21	-89.90	1,449.63	-6,160.41	5,400.44	5,321.69	78.75	68.573	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **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	12,493.08	14,109.27	12,526.08	43.20	40.31	-89.90	1,549.62	-6,161.29	5,400.43	5,319.47	80.96	66.701	
14,200.00	12,493.07	14,209.27	12,526.08	44.04	41.32	-89.90	1,649.62	-6,162.17	5,400.42	5,317.35	83.08	65.005	
14,300.00	12,493.07	14,309.27	12,526.07	44.96	42.39	-89.90	1,749.62	-6,163.05	5,400.41	5,315.15	85.27	63.336	
14,400.00	12,493.07	14,390.73	12,526.07	45.94	43.29	-89.90	1,849.61	-6,163.93	5,400.40	5,313.09	87.31	61.850	
14,500.00	12,493.07	14,509.27	12,526.07	46.97	44.64	-89.90	1,949.61	-6,164.80	5,400.39	5,310.54	89.85	60.103	
14,600.00	12,493.06	14,609.27	12,526.07	48.06	45.82	-89.90	2,049.60	-6,165.68	5,400.38	5,308.14	92.24	58.548	
14,700.00	12,493.06	14,709.27	12,526.06	49.19	47.03	-89.90	2,149.60	-6,166.56	5,400.37	5,305.69	94.68	57.038	
14,800.00	12,493.06	14,790.73	12,526.06	50.35	48.04	-89.90	2,249.60	-6,167.44	5,400.36	5,303.41	96.94	55.706	
14,900.00	12,493.06	14,890.73	12,526.06	51.55	49.30	-89.90	2,349.59	-6,168.31	5,400.35	5,300.86	99.48	54.285	
15,000.00	12,493.06	15,009.27	12,526.06	52.78	50.82	-89.90	2,449.59	-6,169.19	5,400.33	5,298.03	102.31	52.786	
15,100.00	12,493.05	15,090.73	12,526.05	54.04	51.88	-89.90	2,549.59	-6,170.07	5,400.32	5,295.63	104.69	51.584	
15,200.00	12,493.05	15,209.27	12,526.05	55.33	53.45	-89.90	2,649.58	-6,170.95	5,400.31	5,292.71	107.60	50.189	
15,300.00	12,493.05	15,309.27	12,526.05	56.63	54.80	-89.90	2,749.58	-6,171.83	5,400.30	5,290.00	110.30	48.959	
15,400.00	12,493.05	15,390.73	12,526.05	57.96	55.91	-89.90	2,849.57	-6,172.70	5,400.29	5,287.51	112.78	47.882	
15,500.00	12,493.04	15,509.27	12,526.04	59.30	57.54	-89.90	2,949.57	-6,173.58	5,400.28	5,284.48	115.80	46.634	
15,600.00	12,493.04	15,609.27	12,526.04	60.66	58.93	-89.90	3,049.57	-6,174.46	5,400.27	5,281.67	118.60	45.535	
15,700.00	12,493.04	15,709.27	12,526.04	62.04	60.34	-89.90	3,149.56	-6,175.34	5,400.26	5,278.84	121.42	44.477	
15,800.00	12,493.04	15,809.27	12,526.04	63.43	61.76	-89.90	3,249.56	-6,176.22	5,400.25	5,275.99	124.26	43.459	
15,900.00	12,493.03	15,909.27	12,526.03	64.84	63.19	-89.90	3,349.55	-6,177.09	5,400.24	5,273.11	127.13	42.479	
16,000.00	12,493.03	16,009.27	12,526.03	66.26	64.63	-89.90	3,449.55	-6,177.97	5,400.23	5,270.21	130.02	41.535	
16,100.00	12,493.03	16,090.73	12,526.03	67.69	65.81	-89.90	3,549.55	-6,178.85	5,400.21	5,267.56	132.66	40.708	
16,200.00	12,493.03	16,209.27	12,526.03	69.13	67.54	-89.90	3,649.54	-6,179.73	5,400.20	5,264.35	135.85	39.750	
16,300.00	12,493.02	16,309.27	12,526.02	70.58	69.01	-89.90	3,749.54	-6,180.60	5,400.19	5,261.39	138.80	38.906	
16,400.00	12,493.02	16,390.73	12,526.02	72.04	70.22	-89.90	3,849.54	-6,181.48	5,400.18	5,258.69	141.49	38.167	
16,500.00	12,493.02	16,509.27	12,526.02	73.51	71.98	-89.90	3,949.53	-6,182.36	5,400.17	5,255.43	144.74	37.309	
16,600.00	12,493.02	16,590.73	12,526.02	74.99	73.20	-89.90	4,049.53	-6,183.24	5,400.16	5,252.71	147.45	36.623	
16,700.00	12,493.01	16,709.27	12,526.01	76.48	74.98	-89.90	4,149.52	-6,184.12	5,400.15	5,249.41	150.74	35.825	
16,800.00	12,493.01	16,809.27	12,526.01	77.97	76.48	-89.90	4,249.52	-6,184.99	5,400.14	5,246.38	153.76	35.121	
16,900.00	12,493.01	16,909.27	12,526.01	79.47	78.00	-89.90	4,349.52	-6,185.87	5,400.13	5,243.34	156.79	34.442	
17,000.00	12,493.01	16,990.73	12,526.01	80.98	79.24	-89.90	4,449.51	-6,186.75	5,400.12	5,240.57	159.55	33.847	
17,100.00	12,493.00	17,090.73	12,526.00	82.49	80.76	-89.90	4,549.51	-6,187.63	5,400.10	5,237.51	162.60	33.211	
17,200.00	12,493.00	17,190.73	12,526.00	84.01	82.29	-89.90	4,649.50	-6,188.50	5,400.09	5,234.43	165.66	32.597	
17,242.10	12,493.00	17,232.83	12,526.00	84.65	82.88	-89.90	4,691.60	-6,188.87	5,400.09	5,233.19	166.90	32.356	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 202H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — 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	32.00	32.00	0.00	0.04	-89.11	68.00	-4,367.00	4,367.53				
100.00	100.00	132.00	132.00	0.13	0.24	-89.11	68.00	-4,367.00	4,367.53	4,367.16	0.37	N/A	
200.00	200.00	232.00	232.00	0.49	0.60	-89.11	68.00	-4,367.00	4,367.53	4,366.44	1.09	4,014.416	
300.00	300.00	332.00	332.00	0.84	0.96	-89.11	68.00	-4,367.00	4,367.53	4,365.72	1.80	2,419.812	
400.00	400.00	432.00	432.00	1.20	1.32	-89.11	68.00	-4,367.00	4,367.53	4,365.01	2.52	1,731.877	
500.00	500.00	532.00	532.00	1.56	1.68	-89.11	68.00	-4,367.00	4,367.53	4,364.29	3.24	1,348.506	
600.00	600.00	632.00	632.00	1.92	2.04	-89.11	68.00	-4,367.00	4,367.53	4,363.57	3.96	1,104.101	
700.00	700.00	732.00	732.00	2.28	2.39	-89.11	68.00	-4,367.00	4,367.53	4,362.86	4.67	934.695	
800.00	800.00	832.00	832.00	2.64	2.75	-89.11	68.00	-4,367.00	4,367.53	4,362.14	5.39	810.359	
900.00	899.99	931.99	931.99	2.98	3.11	17.67	68.00	-4,367.00	4,366.28	4,360.19	6.10	716.323	
1,000.00	999.91	1,031.91	1,031.91	3.33	3.47	17.70	68.00	-4,367.00	4,362.54	4,355.75	6.79	642.095	
1,100.00	1,099.69	1,131.69	1,131.69	3.67	3.83	17.75	68.00	-4,367.00	4,356.31	4,348.81	7.50	581.084	
1,200.00	1,199.27	1,231.27	1,231.27	4.03	4.18	17.83	68.00	-4,367.00	4,347.59	4,339.39	8.20	530.041	
1,300.00	1,298.72	1,330.72	1,330.72	4.39	4.54	17.87	68.00	-4,367.00	4,337.64	4,328.73	8.91	486.873	
1,400.00	1,398.17	1,430.17	1,430.17	4.76	4.90	17.91	68.00	-4,367.00	4,327.69	4,318.07	9.62	449.987	
1,500.00	1,497.63	1,529.63	1,529.63	5.13	5.25	17.96	68.00	-4,367.00	4,317.74	4,307.41	10.33	418.065	
1,600.00	1,597.08	1,629.08	1,629.08	5.51	5.61	18.00	68.00	-4,367.00	4,307.79	4,296.75	11.04	390.184	
1,700.00	1,696.53	1,728.53	1,728.53	5.89	5.97	18.04	68.00	-4,367.00	4,297.84	4,286.09	11.75	365.635	
1,800.00	1,795.98	1,827.98	1,827.98	6.27	6.32	18.09	68.00	-4,367.00	4,287.90	4,275.43	12.47	343.862	
1,900.00	1,895.43	1,927.43	1,927.43	6.65	6.68	18.13	68.00	-4,367.00	4,277.96	4,264.78	13.19	324.424	
2,000.00	1,994.89	2,026.89	2,026.89	7.04	7.04	18.17	68.00	-4,367.00	4,268.02	4,254.12	13.90	306.970	
2,100.00	2,094.34	2,126.34	2,126.34	7.42	7.39	18.22	68.00	-4,367.00	4,258.09	4,243.47	14.62	291.212	
2,200.00	2,193.79	2,225.79	2,225.79	7.81	7.75	18.26	68.00	-4,367.00	4,248.16	4,232.81	15.34	276.918	
2,300.00	2,293.24	2,325.24	2,325.24	8.20	8.11	18.31	68.00	-4,367.00	4,238.22	4,222.16	16.06	263.894	
2,400.00	2,392.70	2,424.70	2,424.70	8.59	8.46	18.35	68.00	-4,367.00	4,228.30	4,211.52	16.78	251.979	
2,500.00	2,492.15	2,524.15	2,524.15	8.97	8.82	18.39	68.00	-4,367.00	4,218.37	4,200.87	17.50	241.038	
2,600.00	2,591.60	2,623.60	2,623.60	9.36	9.18	18.44	68.00	-4,367.00	4,208.45	4,190.23	18.22	230.957	
2,700.00	2,691.05	2,723.05	2,723.05	9.75	9.53	18.48	68.00	-4,367.00	4,198.53	4,179.59	18.94	221.639	
2,800.00	2,790.50	2,822.50	2,822.50	10.15	9.89	18.53	68.00	-4,367.00	4,188.61	4,168.95	19.66	213.001	
2,900.00	2,889.96	2,921.96	2,921.96	10.54	10.24	18.58	68.00	-4,367.00	4,178.70	4,158.31	20.39	204.972	
3,000.00	2,989.41	3,021.41	3,021.41	10.93	10.60	18.62	68.00	-4,367.00	4,168.78	4,147.67	21.11	197.490	
3,100.00	3,088.86	3,120.86	3,120.86	11.32	10.96	18.67	68.00	-4,367.00	4,158.87	4,137.04	21.83	190.500	
3,200.00	3,188.31	3,220.31	3,220.31	11.71	11.31	18.71	68.00	-4,367.00	4,148.97	4,126.41	22.55	183.957	
3,300.00	3,287.77	3,319.77	3,319.77	12.11	11.67	18.76	68.00	-4,367.00	4,139.06	4,115.78	23.28	177.818	
3,400.00	3,387.22	3,419.22	3,419.22	12.50	12.03	18.81	68.00	-4,367.00	4,129.16	4,105.16	24.00	172.048	
3,500.00	3,486.67	3,518.67	3,518.67	12.89	12.38	18.85	68.00	-4,367.00	4,119.26	4,094.54	24.72	166.614	
3,600.00	3,586.12	3,618.12	3,618.12	13.28	12.74	18.90	68.00	-4,367.00	4,109.36	4,083.92	25.45	161.488	
3,700.00	3,685.57	3,717.57	3,717.57	13.68	13.10	18.95	68.00	-4,367.00	4,099.47	4,073.30	26.17	156.644	
3,800.00	3,785.03	3,817.03	3,817.03	14.07	13.45	19.00	68.00	-4,367.00	4,089.58	4,062.69	26.89	152.061	
3,900.00	3,884.48	3,916.48	3,916.48	14.47	13.81	19.04	68.00	-4,367.00	4,079.69	4,052.07	27.62	147.717	
4,000.00	3,983.93	4,015.93	4,015.93	14.86	14.17	19.09	68.00	-4,367.00	4,069.81	4,041.46	28.34	143.594	
4,100.00	4,083.38	4,115.38	4,115.38	15.25	14.52	19.14	68.00	-4,367.00	4,059.92	4,030.86	29.07	139.676	
4,200.00	4,182.84	4,214.84	4,214.84	15.65	14.88	19.19	68.00	-4,367.00	4,050.04	4,020.25	29.79	135.948	
4,300.00	4,282.29	4,314.29	4,314.29	16.04	15.24	19.24	68.00	-4,367.00	4,040.17	4,009.65	30.52	132.397	
4,400.00	4,381.74	4,413.74	4,413.74	16.44	15.59	19.29	68.00	-4,367.00	4,030.29	3,999.05	31.24	129.010	
4,500.00	4,481.19	4,513.19	4,513.19	16.83	15.95	19.33	68.00	-4,367.00	4,020.42	3,988.46	31.96	125.776	
4,600.00	4,580.64	4,612.64	4,612.64	17.23	16.31	19.38	68.00	-4,367.00	4,010.56	3,977.87	32.69	122.686	
4,700.00	4,680.10	4,712.10	4,712.10	17.62	16.66	19.43	68.00	-4,367.00	4,000.69	3,967.28	33.41	119.729	
4,800.00	4,779.55	4,812.94	4,812.94	18.02	17.02	19.48	67.98	-4,367.00	3,990.83	3,956.69	34.14	116.890	
4,900.00	4,879.00	4,924.39	4,924.37	18.41	17.40	19.51	65.98	-4,366.88	3,980.78	3,945.90	34.88	114.126	
5,000.00	4,978.45	5,035.80	5,035.65	18.81	17.76	19.49	60.74	-4,366.58	3,970.44	3,934.84	35.60	111.521	
5,100.00	5,077.90	5,145.52	5,145.05	19.20	18.11	19.43	52.43	-4,366.11	3,959.81	3,923.49	36.32	109.024	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 202H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — **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
5,200.00	5,177.36	5,244.81	5,243.96	19.60	18.43	19.35	43.79	-4,365.61	3,949.06	3,912.05	37.01	106.702	
5,300.00	5,276.81	5,344.10	5,342.87	19.99	18.76	19.28	35.15	-4,365.12	3,938.32	3,900.62	37.70	104.459	
5,400.00	5,376.26	5,443.38	5,441.78	20.39	19.02	19.20	26.51	-4,364.63	3,927.59	3,889.27	38.33	102.480	
5,500.00	5,475.71	5,542.67	5,540.69	20.61	19.12	19.12	17.87	-4,364.13	3,916.87	3,878.25	38.62	101.430	
5,600.00	5,575.17	5,641.95	5,639.60	20.67	19.13	19.05	9.23	-4,363.64	3,906.16	3,867.51	38.64	101.081	
5,700.00	5,674.62	5,741.24	5,738.50	20.73	19.15	18.97	0.59	-4,363.14	3,895.45	3,856.76	38.69	100.695	
5,800.00	5,774.07	5,840.53	5,837.41	20.80	19.18	18.89	-8.05	-4,362.65	3,884.74	3,846.00	38.74	100.272	
5,900.00	5,873.52	5,939.81	5,936.32	20.88	19.22	18.81	-16.69	-4,362.15	3,874.05	3,835.24	38.81	99.813	
6,000.00	5,972.97	6,039.10	6,035.23	20.97	19.26	18.73	-25.33	-4,361.66	3,863.36	3,824.46	38.90	99.320	
6,100.00	6,072.43	6,138.39	6,134.14	21.06	19.32	18.65	-33.96	-4,361.16	3,852.68	3,813.68	39.00	98.793	
6,200.00	6,171.88	6,237.67	6,233.05	21.16	19.38	18.57	-42.60	-4,360.67	3,842.01	3,802.90	39.11	98.233	
6,300.00	6,271.33	6,336.96	6,331.96	21.27	19.45	18.49	-51.24	-4,360.18	3,831.34	3,792.10	39.24	97.642	
6,400.00	6,370.78	6,436.24	6,430.86	21.38	19.52	18.41	-59.88	-4,359.68	3,820.68	3,781.30	39.38	97.020	
6,500.00	6,470.24	6,535.53	6,529.77	21.51	19.60	18.33	-68.52	-4,359.19	3,810.03	3,770.50	39.54	96.370	
6,600.00	6,569.69	6,634.82	6,628.68	21.63	19.69	18.25	-77.16	-4,358.69	3,799.39	3,759.69	39.70	95.692	
6,700.00	6,669.14	6,734.10	6,727.59	21.77	19.79	18.17	-85.80	-4,358.20	3,788.75	3,748.87	39.89	94.989	
6,800.00	6,768.59	6,833.39	6,826.50	21.91	19.89	18.09	-94.44	-4,357.70	3,778.13	3,738.04	40.08	94.261	
6,900.00	6,868.04	6,932.68	6,925.41	22.05	20.00	18.00	-103.08	-4,357.21	3,767.51	3,727.22	40.29	93.509	
7,000.00	6,967.50	7,031.96	7,024.31	22.21	20.12	17.92	-111.72	-4,356.72	3,756.89	3,716.38	40.51	92.737	
7,100.00	7,066.95	7,131.25	7,123.22	22.37	20.24	17.84	-120.36	-4,356.22	3,746.29	3,705.54	40.75	91.945	
7,200.00	7,166.40	7,230.53	7,222.13	22.53	20.37	17.75	-129.00	-4,355.73	3,735.69	3,694.70	40.99	91.134	
7,300.00	7,265.85	7,329.82	7,321.04	22.70	20.51	17.67	-137.64	-4,355.23	3,725.11	3,683.86	41.25	90.307	
7,400.00	7,365.31	7,429.11	7,419.95	22.88	20.65	17.58	-146.27	-4,354.74	3,714.53	3,673.01	41.52	89.464	
7,500.00	7,464.76	7,528.39	7,518.86	23.06	20.80	17.50	-154.91	-4,354.24	3,703.95	3,662.15	41.80	88.608	
7,600.00	7,564.21	7,627.68	7,617.76	23.25	20.96	17.41	-163.55	-4,353.75	3,693.39	3,651.29	42.10	87.739	
7,700.00	7,663.66	7,726.97	7,716.67	23.44	21.12	17.33	-172.19	-4,353.25	3,682.83	3,640.43	42.40	86.860	
7,800.00	7,763.11	7,826.25	7,815.58	23.63	21.28	17.24	-180.83	-4,352.76	3,672.29	3,629.57	42.72	85.971	
7,900.00	7,862.57	7,925.54	7,914.49	23.84	21.46	17.15	-189.47	-4,352.27	3,661.75	3,618.71	43.04	85.075	
8,000.00	7,962.02	8,024.82	8,013.40	24.04	21.63	17.06	-198.11	-4,351.77	3,651.22	3,607.84	43.38	84.171	
8,100.00	8,061.47	8,124.11	8,112.31	24.26	21.82	16.97	-206.75	-4,351.28	3,640.70	3,596.97	43.73	83.263	
8,200.00	8,160.92	8,223.40	8,211.21	24.47	22.00	16.89	-215.39	-4,350.78	3,630.18	3,586.10	44.08	82.350	
8,263.15	8,223.73	8,286.10	8,273.68	24.61	22.13	16.83	-220.84	-4,350.47	3,623.55	3,579.24	44.31	81.772	
8,300.00	8,260.39	8,322.70	8,310.14	24.69	22.20	16.78	-224.03	-4,350.29	3,619.85	3,575.40	44.45	81.439	
8,400.00	8,360.05	8,422.15	8,409.21	24.90	22.40	16.64	-232.68	-4,349.79	3,611.52	3,566.70	44.82	80.575	
8,500.00	8,459.90	8,521.72	8,508.40	25.09	22.60	16.50	-241.35	-4,349.30	3,605.71	3,560.51	45.20	79.772	
8,600.00	8,559.85	8,621.08	8,607.38	25.27	22.81	16.37	-249.99	-4,348.80	3,602.42	3,556.84	45.58	79.031	
8,663.15	8,623.00	8,681.23	8,667.35	25.38	22.93	-90.47	-254.66	-4,348.53	3,601.68	3,555.86	45.82	78.612	
8,700.00	8,659.85	8,716.38	8,702.43	25.43	23.00	-90.51	-256.95	-4,348.40	3,601.56	3,555.61	45.95	78.380	
8,800.00	8,759.85	8,811.97	8,797.90	25.59	23.20	-90.58	-261.56	-4,348.14	3,601.33	3,555.02	46.31	77.759	
8,900.00	8,859.85	8,907.73	8,893.63	25.75	23.39	-90.62	-263.78	-4,348.01	3,601.22	3,554.54	46.68	77.151	
8,958.13	8,917.98	8,964.07	8,949.98	25.84	23.49	-90.62	-264.00	-4,348.00	3,601.21	3,554.33	46.88	76.813	
9,000.00	8,959.85	9,005.94	8,991.85	25.91	23.56	-90.62	-264.00	-4,348.00	3,601.21	3,554.18	47.03	76.573	
9,100.00	9,059.85	9,105.94	9,091.85	26.08	23.73	-90.62	-264.00	-4,348.00	3,601.21	3,553.82	47.39	75.996	
9,200.00	9,159.85	9,205.94	9,191.85	26.25	23.91	-90.62	-264.00	-4,348.00	3,601.21	3,553.46	47.75	75.414	
9,300.00	9,259.85	9,305.94	9,291.85	26.43	24.10	-90.62	-264.00	-4,348.00	3,601.21	3,553.09	48.13	74.829	
9,400.00	9,359.85	9,405.94	9,391.85	26.61	24.28	-90.62	-264.00	-4,348.00	3,601.21	3,552.70	48.51	74.241	
9,500.00	9,459.85	9,505.94	9,491.85	26.79	24.47	-90.62	-264.00	-4,348.00	3,601.21	3,552.32	48.90	73.651	
9,600.00	9,559.85	9,605.94	9,591.85	26.97	24.67	-90.62	-264.00	-4,348.00	3,601.21	3,551.92	49.29	73.059	
9,700.00	9,659.85	9,705.94	9,691.85	27.16	24.86	-90.62	-264.00	-4,348.00	3,601.21	3,551.52	49.69	72.466	
9,800.00	9,759.85	9,805.94	9,791.85	27.36	25.06	-90.62	-264.00	-4,348.00	3,601.21	3,551.11	50.11	71.873	
9,900.00	9,859.85	9,905.94	9,891.85	27.55	25.27	-90.62	-264.00	-4,348.00	3,601.21	3,550.69	50.52	71.280	
10,000.00	9,959.85	10,005.94	9,991.85	27.75	25.48	-90.62	-264.00	-4,348.00	3,601.21	3,550.27	50.95	70.687	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 202H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — 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	10,059.85	10,105.94	10,091.85	27.95	25.69	-90.62	-264.00	-4,348.00	3,601.21	3,549.84	51.38	70.095	
10,200.00	10,159.85	10,205.94	10,191.85	28.16	25.90	-90.62	-264.00	-4,348.00	3,601.21	3,549.40	51.81	69.504	
10,300.00	10,259.85	10,305.94	10,291.85	28.37	26.12	-90.62	-264.00	-4,348.00	3,601.21	3,548.96	52.26	68.915	
10,400.00	10,359.85	10,405.94	10,391.85	28.58	26.34	-90.62	-264.00	-4,348.00	3,601.21	3,548.51	52.70	68.328	
10,500.00	10,459.85	10,505.94	10,491.85	28.80	26.57	-90.62	-264.00	-4,348.00	3,601.21	3,548.05	53.16	67.744	
10,600.00	10,559.85	10,605.94	10,591.85	29.01	26.79	-90.62	-264.00	-4,348.00	3,601.21	3,547.59	53.62	67.162	
10,700.00	10,659.85	10,705.94	10,691.85	29.23	27.02	-90.62	-264.00	-4,348.00	3,601.21	3,547.13	54.09	66.583	
10,800.00	10,759.85	10,805.94	10,791.85	29.46	27.26	-90.62	-264.00	-4,348.00	3,601.21	3,546.65	54.56	66.008	
10,900.00	10,859.85	10,905.94	10,891.85	29.68	27.49	-90.62	-264.00	-4,348.00	3,601.21	3,546.18	55.03	65.436	
11,000.00	10,959.85	11,005.94	10,991.85	29.91	27.73	-90.62	-264.00	-4,348.00	3,601.21	3,545.70	55.52	64.868	
11,100.00	11,059.85	11,105.94	11,091.85	30.14	27.97	-90.62	-264.00	-4,348.00	3,601.21	3,545.21	56.00	64.304	
11,200.00	11,159.85	11,205.94	11,191.85	30.38	28.21	-90.62	-264.00	-4,348.00	3,601.21	3,544.72	56.49	63.744	
11,300.00	11,259.85	11,305.94	11,291.85	30.61	28.46	-90.62	-264.00	-4,348.00	3,601.21	3,544.22	56.99	63.189	
11,400.00	11,359.85	11,405.94	11,391.85	30.85	28.71	-90.62	-264.00	-4,348.00	3,601.21	3,543.72	57.49	62.638	
11,500.00	11,459.85	11,505.94	11,491.85	31.09	28.96	-90.62	-264.00	-4,348.00	3,601.21	3,543.21	58.00	62.092	
11,600.00	11,559.85	11,605.94	11,591.85	31.33	29.21	-90.62	-264.00	-4,348.00	3,601.21	3,542.70	58.51	61.550	
11,700.00	11,659.85	11,705.94	11,691.85	31.58	29.46	-90.62	-264.00	-4,348.00	3,601.21	3,542.19	59.02	61.014	
11,800.00	11,759.85	11,805.94	11,791.85	31.82	29.72	-90.62	-264.00	-4,348.00	3,601.21	3,541.67	59.54	60.482	
11,900.00	11,859.85	11,905.94	11,891.85	32.07	29.98	-90.62	-264.00	-4,348.00	3,601.21	3,541.15	60.06	59.956	
11,950.15	11,910.00	11,956.10	11,942.00	32.20	30.11	-90.62	-264.00	-4,348.00	3,601.21	3,540.88	60.33	59.693	
12,000.00	11,959.78	12,005.88	11,991.78	32.32	30.24	-90.35	-264.00	-4,348.00	3,601.22	3,540.64	60.59	59.439	
12,050.00	12,009.34	12,055.93	12,041.83	32.44	30.37	-90.45	-263.93	-4,348.00	3,601.27	3,540.43	60.84	59.195	
12,100.00	12,058.14	12,108.61	12,094.40	32.55	30.50	-90.58	-260.70	-4,348.01	3,601.34	3,540.26	61.08	58.960	
12,150.00	12,105.82	12,162.10	12,147.24	32.65	30.62	-90.70	-252.50	-4,348.05	3,601.42	3,540.11	61.31	58.742	
12,200.00	12,152.00	12,216.40	12,199.85	32.74	30.74	-90.81	-239.17	-4,348.11	3,601.50	3,539.98	61.52	58.540	
12,250.00	12,196.35	12,271.50	12,251.72	32.82	30.84	-90.92	-220.61	-4,348.19	3,601.59	3,539.87	61.72	58.353	
12,300.00	12,236.51	12,327.39	12,302.25	32.89	30.94	-91.03	-196.80	-4,348.29	3,601.68	3,539.77	61.91	58.176	
12,350.00	12,278.17	12,384.02	12,350.84	32.96	31.03	-91.12	-167.76	-4,348.42	3,601.77	3,539.67	62.09	58.009	
12,400.00	12,315.03	12,441.35	12,398.87	33.02	31.12	-91.21	-133.63	-4,348.57	3,601.84	3,539.58	62.27	57.845	
12,450.00	12,348.81	12,499.32	12,439.71	33.07	31.21	-91.28	-94.61	-4,348.74	3,601.91	3,539.47	62.44	57.682	
12,500.00	12,379.25	12,557.85	12,478.75	33.12	31.30	-91.35	-51.03	-4,348.93	3,601.97	3,539.34	62.63	57.515	
12,550.00	12,406.12	12,616.86	12,513.39	33.17	31.39	-91.40	-3.30	-4,349.14	3,602.01	3,539.18	62.82	57.338	
12,600.00	12,429.21	12,676.24	12,543.12	33.22	31.49	-91.44	46.07	-4,349.36	3,602.02	3,538.99	63.03	57.148	
12,650.00	12,448.35	12,735.87	12,567.46	33.27	31.61	-91.47	102.48	-4,349.60	3,602.02	3,538.76	63.26	56.942	
12,700.00	12,463.40	12,795.65	12,586.08	33.34	31.73	-91.48	159.26	-4,349.85	3,601.99	3,538.48	63.51	56.717	
12,750.15	12,474.25	12,855.62	12,598.67	38.63	38.16	-91.48	217.87	-4,350.10	3,601.94	3,538.23	63.71	56.535	
12,775.15	12,478.59	12,879.25	12,602.81	38.66	37.10	-91.48	241.13	-4,350.20	3,601.92	3,538.14	63.78	56.475	
12,800.00	12,482.59	12,904.17	12,606.63	38.68	37.11	-91.47	265.75	-4,350.33	3,601.90	3,538.04	63.86	56.400	
12,850.00	12,488.69	12,954.30	12,612.37	38.72	37.14	-91.46	315.54	-4,350.62	3,601.87	3,537.80	64.06	56.224	
12,900.00	12,492.19	13,004.41	12,615.49	38.78	37.16	-91.45	365.55	-4,350.98	3,601.84	3,537.54	64.30	56.012	
12,941.88	12,493.11	13,046.35	12,616.11	38.82	37.19	-91.45	407.48	-4,351.33	3,601.83	3,537.29	64.54	55.806	
13,000.00	12,493.10	13,104.47	12,616.11	38.89	37.21	-91.45	465.60	-4,351.84	3,601.83	3,536.91	64.92	55.484	
13,100.00	12,493.10	13,204.47	12,616.10	39.03	37.26	-91.45	565.60	-4,352.71	3,601.81	3,536.12	65.69	54.831	
13,200.00	12,493.10	13,304.47	12,616.10	39.20	37.32	-91.45	665.59	-4,353.59	3,601.80	3,535.18	66.62	54.067	
13,300.00	12,493.10	13,404.47	12,616.10	39.39	37.37	-91.45	765.59	-4,354.46	3,601.78	3,534.09	67.70	53.205	
13,400.00	12,493.09	13,504.47	12,616.10	39.63	37.42	-91.45	865.59	-4,355.33	3,601.77	3,532.85	68.92	52.261	
13,500.00	12,493.09	13,604.47	12,616.09	39.91	37.48	-91.45	965.58	-4,356.21	3,601.75	3,531.48	70.28	51.252	
13,600.00	12,493.09	13,704.47	12,616.09	40.26	37.53	-91.45	1,065.58	-4,357.08	3,601.74	3,529.98	71.76	50.191	
13,700.00	12,493.09	13,804.47	12,616.09	40.67	37.59	-91.45	1,165.57	-4,357.95	3,601.72	3,528.36	73.37	49.093	
13,800.00	12,493.08	13,904.47	12,616.09	41.17	37.65	-91.45	1,265.57	-4,358.83	3,601.71	3,526.63	75.08	47.970	
13,900.00	12,493.08	14,004.47	12,616.08	41.76	38.11	-91.45	1,365.57	-4,359.70	3,601.69	3,524.79	76.91	46.833	
14,000.00	12,493.08	14,104.47	12,616.08	42.43	39.05	-91.45	1,465.56	-4,360.58	3,601.68	3,522.85	78.83	45.692	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 202H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — **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	12,493.08	14,204.47	12,616.08	43.20	40.04	-91.45	1,565.56	-4,361.45	3,601.66	3,520.83	80.84	44.555	
14,200.00	12,493.07	14,304.47	12,616.08	44.04	41.07	-91.45	1,665.56	-4,362.33	3,601.65	3,518.72	82.93	43.430	
14,300.00	12,493.07	14,404.47	12,616.07	44.96	42.14	-91.45	1,765.55	-4,363.20	3,601.64	3,516.53	85.10	42.321	
14,400.00	12,493.07	14,504.47	12,616.07	45.94	43.25	-91.45	1,865.55	-4,364.07	3,601.62	3,514.27	87.35	41.234	
14,500.00	12,493.07	14,604.47	12,616.07	46.97	44.39	-91.45	1,965.54	-4,364.95	3,601.61	3,511.95	89.66	40.171	
14,600.00	12,493.06	14,704.47	12,616.07	48.06	45.56	-91.45	2,065.54	-4,365.82	3,601.59	3,509.56	92.03	39.135	
14,700.00	12,493.06	14,804.47	12,616.06	49.19	46.77	-91.45	2,165.54	-4,366.70	3,601.58	3,507.12	94.46	38.128	
14,800.00	12,493.06	14,904.47	12,616.06	50.35	48.00	-91.45	2,265.53	-4,367.57	3,601.56	3,504.62	96.94	37.152	
14,900.00	12,493.06	15,004.47	12,616.06	51.55	49.25	-91.45	2,365.53	-4,368.44	3,601.55	3,502.07	99.47	36.206	
15,000.00	12,493.06	15,104.47	12,616.06	52.78	50.53	-91.45	2,465.52	-4,369.32	3,601.53	3,499.48	102.05	35.292	
15,100.00	12,493.05	15,204.47	12,616.05	54.04	51.83	-91.45	2,565.52	-4,370.19	3,601.52	3,496.85	104.67	34.409	
15,200.00	12,493.05	15,304.47	12,616.05	55.33	53.16	-91.45	2,665.52	-4,371.07	3,601.50	3,494.18	107.32	33.557	
15,300.00	12,493.05	15,404.47	12,616.05	56.63	54.49	-91.45	2,765.51	-4,371.94	3,601.49	3,491.47	110.02	32.736	
15,400.00	12,493.05	15,504.47	12,616.05	57.96	55.85	-91.45	2,865.51	-4,372.82	3,601.47	3,488.73	112.74	31.944	
15,500.00	12,493.04	15,604.47	12,616.04	59.30	57.22	-91.45	2,965.51	-4,373.69	3,601.46	3,485.96	115.50	31.182	
15,600.00	12,493.04	15,704.47	12,616.04	60.66	58.61	-91.45	3,065.50	-4,374.56	3,601.45	3,483.16	118.28	30.447	
15,700.00	12,493.04	15,804.47	12,616.04	62.04	60.01	-91.45	3,165.50	-4,375.44	3,601.43	3,480.33	121.10	29.740	
15,800.00	12,493.04	15,904.47	12,616.04	63.43	61.43	-91.45	3,265.49	-4,376.31	3,601.42	3,477.48	123.93	29.059	
15,900.00	12,493.03	16,004.47	12,616.03	64.84	62.85	-91.45	3,365.49	-4,377.19	3,601.40	3,474.61	126.80	28.403	
16,000.00	12,493.03	16,104.47	12,616.03	66.26	64.29	-91.45	3,465.49	-4,378.06	3,601.39	3,471.71	129.68	27.772	
16,100.00	12,493.03	16,204.47	12,616.03	67.69	65.74	-91.45	3,565.48	-4,378.93	3,601.37	3,468.79	132.58	27.164	
16,200.00	12,493.03	16,304.47	12,616.03	69.13	67.19	-91.45	3,665.48	-4,379.81	3,601.36	3,465.85	135.50	26.578	
16,300.00	12,493.02	16,404.47	12,616.02	70.58	68.66	-91.45	3,765.47	-4,380.68	3,601.34	3,462.90	138.44	26.013	
16,400.00	12,493.02	16,504.47	12,616.02	72.04	70.14	-91.45	3,865.47	-4,381.56	3,601.33	3,459.93	141.40	25.469	
16,500.00	12,493.02	16,604.47	12,616.02	73.51	71.62	-91.45	3,965.47	-4,382.43	3,601.31	3,456.94	144.37	24.945	
16,600.00	12,493.02	16,704.47	12,616.02	74.99	73.11	-91.45	4,065.46	-4,383.30	3,601.30	3,453.94	147.36	24.439	
16,700.00	12,493.01	16,804.47	12,616.01	76.48	74.61	-91.45	4,165.46	-4,384.18	3,601.28	3,450.92	150.36	23.951	
16,800.00	12,493.01	16,904.47	12,616.01	77.97	76.11	-91.45	4,265.46	-4,385.05	3,601.27	3,447.90	153.37	23.480	
16,900.00	12,493.01	17,004.47	12,616.01	79.47	77.62	-91.45	4,365.45	-4,385.93	3,601.25	3,444.86	156.40	23.026	
17,000.00	12,493.01	17,104.47	12,616.01	80.98	79.14	-91.45	4,465.45	-4,386.80	3,601.24	3,441.80	159.44	22.587	
17,100.00	12,493.00	17,204.47	12,616.00	82.49	80.66	-91.45	4,565.44	-4,387.68	3,601.23	3,438.74	162.49	22.163	
17,200.00	12,493.00	17,304.47	12,616.00	84.01	82.19	-91.45	4,665.44	-4,388.55	3,601.21	3,435.67	165.55	21.754	
17,242.10	12,493.00	17,346.56	12,616.00	84.65	82.84	-91.45	4,707.53	-4,388.92	3,601.20	3,434.37	166.84	21.585	CC, ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 215H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 3500-MWD - OWSG, 13018-MWD - OWSG — **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	32.00	32.00	0.00	0.04	-89.11	68.00	-4,397.00	4,397.53				
100.00	100.00	132.00	132.00	0.13	0.24	-89.11	68.00	-4,397.00	4,397.53	4,397.15	0.37	N/A	
200.00	200.00	232.00	232.00	0.49	0.60	-89.11	68.00	-4,397.00	4,397.53	4,396.44	1.09	4,041.987	
300.00	300.00	332.00	332.00	0.84	0.96	-89.11	68.00	-4,397.00	4,397.53	4,395.72	1.80	2,436.431	
400.00	400.00	432.00	432.00	1.20	1.32	-89.11	68.00	-4,397.00	4,397.53	4,395.00	2.52	1,743.771	
500.00	500.00	532.00	532.00	1.56	1.68	-89.11	68.00	-4,397.00	4,397.53	4,394.29	3.24	1,357.768	
600.00	600.00	632.00	632.00	1.92	2.04	-89.11	68.00	-4,397.00	4,397.53	4,393.57	3.96	1,111.684	
700.00	700.00	732.00	732.00	2.28	2.39	-89.11	68.00	-4,397.00	4,397.53	4,392.85	4.67	941.115	
800.00	800.00	832.00	832.00	2.64	2.75	-89.11	68.00	-4,397.00	4,397.53	4,392.14	5.39	815.925	
900.00	899.99	931.99	931.99	2.98	3.11	17.66	68.00	-4,397.00	4,396.28	4,390.18	6.10	721.244	
1,000.00	999.91	1,000.00	1,000.00	3.33	3.36	17.69	68.00	-4,397.00	4,392.65	4,385.97	6.68	657.637	
1,100.00	1,099.69	1,063.81	1,063.80	3.67	3.58	17.72	67.81	-4,397.50	4,387.33	4,380.08	7.24	605.607	
1,200.00	1,199.27	1,100.00	1,099.99	4.03	3.70	17.76	67.53	-4,398.22	4,380.77	4,373.05	7.72	567.749	
1,300.00	1,298.72	1,160.56	1,160.51	4.39	3.91	17.78	66.78	-4,400.15	4,374.07	4,365.80	8.27	528.948	
1,400.00	1,398.17	1,200.00	1,199.91	4.76	4.04	17.78	66.11	-4,401.88	4,368.60	4,359.85	8.75	499.172	
1,500.00	1,497.63	1,257.56	1,257.37	5.13	4.24	17.79	64.86	-4,405.09	4,364.27	4,354.97	9.30	469.248	
1,600.00	1,597.08	1,300.00	1,299.69	5.51	4.39	17.79	63.74	-4,407.98	4,361.13	4,351.34	9.80	445.119	
1,700.00	1,696.53	1,354.75	1,354.24	5.89	4.58	17.79	62.05	-4,412.35	4,359.16	4,348.82	10.34	421.547	
1,800.00	1,795.96	1,400.00	1,399.27	6.27	4.74	17.79	60.43	-4,416.51	4,358.38	4,347.53	10.85	401.684	
1,821.67	1,817.53	1,413.91	1,413.10	6.35	4.79	17.79	59.90	-4,417.89	4,358.37	4,347.39	10.98	397.083 CC	
1,900.00	1,895.43	1,452.00	1,450.94	6.65	4.92	17.78	58.34	-4,421.91	4,358.77	4,347.39	11.39	382.834	
2,000.00	1,994.89	1,535.48	1,534.80	7.04	5.23	17.77	54.63	-4,431.48	4,360.06	4,348.02	12.04	362.069	
2,100.00	2,094.34	1,636.46	1,634.04	7.42	5.60	17.75	50.22	-4,442.84	4,361.40	4,348.64	12.76	341.863	
2,200.00	2,193.79	1,736.44	1,733.27	7.81	5.98	17.73	45.82	-4,454.20	4,362.74	4,349.26	13.48	323.697	
2,300.00	2,293.24	1,836.42	1,832.51	8.20	6.36	17.71	41.41	-4,465.56	4,364.08	4,349.88	14.20	307.315	
2,400.00	2,392.70	1,936.41	1,931.74	8.59	6.74	17.69	37.01	-4,476.92	4,365.43	4,350.50	14.93	292.473	
2,500.00	2,492.15	2,036.39	2,030.98	8.97	7.13	17.67	32.60	-4,488.28	4,366.77	4,351.11	15.65	278.970	
2,600.00	2,591.60	2,136.37	2,130.22	9.36	7.51	17.66	28.20	-4,499.64	4,368.11	4,351.73	16.38	266.638	
2,700.00	2,691.05	2,236.35	2,229.45	9.75	7.91	17.64	23.79	-4,511.00	4,369.45	4,352.34	17.11	255.334	
2,800.00	2,790.50	2,336.33	2,328.69	10.15	8.30	17.62	19.39	-4,522.36	4,370.80	4,352.95	17.84	244.938	
2,900.00	2,889.96	2,436.31	2,427.92	10.54	8.69	17.60	14.98	-4,533.72	4,372.14	4,353.56	18.58	235.347	
3,000.00	2,989.41	2,536.29	2,527.16	10.93	9.09	17.58	10.58	-4,545.08	4,373.49	4,354.17	19.31	226.472	
3,100.00	3,088.86	2,636.27	2,626.39	11.32	9.48	17.56	6.17	-4,556.44	4,374.83	4,354.78	20.05	218.238	
3,200.00	3,188.31	2,736.25	2,725.63	11.71	9.88	17.54	1.77	-4,567.80	4,376.18	4,355.39	20.78	210.578	
3,300.00	3,287.77	2,836.23	2,824.87	12.11	10.28	17.53	-2.64	-4,579.16	4,377.52	4,356.00	21.52	203.435	
3,400.00	3,387.22	2,936.21	2,924.10	12.50	10.68	17.51	-7.04	-4,590.52	4,378.87	4,356.61	22.25	196.760	
3,500.00	3,486.67	3,036.20	3,023.34	12.89	11.08	17.49	-11.45	-4,601.88	4,380.22	4,357.22	22.99	190.508	
3,600.00	3,586.12	3,136.18	3,122.57	13.28	11.48	17.47	-15.85	-4,613.24	4,381.56	4,357.83	23.73	184.640	
3,700.00	3,685.57	3,236.16	3,221.81	13.68	11.88	17.45	-20.26	-4,624.60	4,382.91	4,358.44	24.47	179.124	
3,800.00	3,785.03	3,336.14	3,321.04	14.07	12.28	17.43	-24.67	-4,635.97	4,384.26	4,359.05	25.21	173.928	
3,900.00	3,884.48	3,436.12	3,420.28	14.47	12.69	17.42	-29.07	-4,647.33	4,385.61	4,359.66	25.95	169.025	
4,000.00	3,983.93	3,536.10	3,519.52	14.86	13.09	17.40	-33.48	-4,658.69	4,386.96	4,360.27	26.69	164.392	
4,100.00	4,083.38	3,636.08	3,618.75	15.25	13.49	17.38	-37.88	-4,670.05	4,388.31	4,360.88	27.43	160.008	
4,200.00	4,182.84	3,736.06	3,717.99	15.65	13.90	17.36	-42.29	-4,681.41	4,389.66	4,361.49	28.17	155.852	
4,300.00	4,282.29	3,836.04	3,817.22	16.04	14.30	17.34	-46.69	-4,692.77	4,391.01	4,362.10	28.91	151.907	
4,400.00	4,381.74	3,936.02	3,916.46	16.44	14.71	17.32	-51.10	-4,704.13	4,392.36	4,362.71	29.65	148.159	
4,500.00	4,481.19	4,036.01	4,015.69	16.83	15.11	17.31	-55.50	-4,715.49	4,393.71	4,363.32	30.39	144.592	
4,600.00	4,580.64	4,135.99	4,114.93	17.23	15.52	17.29	-59.91	-4,726.85	4,395.06	4,363.93	31.13	141.194	
4,700.00	4,680.10	4,235.97	4,214.17	17.62	15.92	17.27	-64.31	-4,738.21	4,396.41	4,364.54	31.87	137.953	
4,800.00	4,779.55	4,335.95	4,313.40	18.02	16.33	17.25	-68.72	-4,749.57	4,397.77	4,365.16	32.61	134.859	
4,900.00	4,879.00	4,435.93	4,412.64	18.41	16.73	17.23	-73.12	-4,760.93	4,399.12	4,365.77	33.35	131.902	
5,000.00	4,978.45	4,535.91	4,511.87	18.81	17.14	17.21	-77.53	-4,772.29	4,400.47	4,366.38	34.09	129.073	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 215H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — 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	5,077.90	4,635.89	4,611.11	19.20	17.54	17.20	-81.93	-4,783.65	4,401.83	4,366.99	34.83	126.364	
5,200.00	5,177.36	4,735.87	4,710.34	19.60	17.95	17.18	-86.34	-4,795.01	4,403.18	4,367.60	35.58	123.768	
5,300.00	5,276.81	4,835.85	4,809.58	19.99	18.36	17.16	-90.75	-4,806.37	4,404.54	4,368.22	36.32	121.277	
5,400.00	5,376.26	4,935.83	4,908.82	20.39	18.76	17.14	-95.15	-4,817.73	4,405.89	4,368.83	37.06	118.886	
5,500.00	5,475.71	5,035.81	5,008.05	20.61	19.17	17.12	-99.56	-4,829.09	4,407.25	4,369.63	37.62	117.152	
5,600.00	5,575.17	5,135.80	5,107.29	20.67	19.58	17.10	-103.96	-4,840.45	4,408.60	4,370.60	38.00	116.001	
5,700.00	5,674.62	5,235.78	5,206.52	20.73	19.98	17.09	-108.37	-4,851.81	4,409.96	4,371.56	38.40	114.853	
5,800.00	5,774.07	5,335.76	5,305.76	20.80	20.39	17.07	-112.77	-4,863.17	4,411.32	4,372.52	38.80	113.708	
5,900.00	5,873.52	5,435.74	5,404.99	20.88	20.74	17.05	-117.18	-4,874.53	4,412.67	4,373.54	39.14	112.752	
6,000.00	5,972.97	5,535.72	5,504.23	20.97	20.91	17.03	-121.58	-4,885.89	4,414.03	4,374.73	39.30	112.305	
6,100.00	6,072.43	5,635.70	5,603.47	21.06	20.99	17.01	-125.99	-4,897.25	4,415.39	4,376.02	39.37	112.156	
6,200.00	6,171.88	5,735.68	5,702.70	21.16	21.07	16.99	-130.39	-4,908.61	4,416.75	4,377.30	39.45	111.969	
6,300.00	6,271.33	5,835.66	5,801.94	21.27	21.16	16.98	-134.80	-4,919.97	4,418.11	4,378.57	39.54	111.743	
6,400.00	6,370.78	5,935.64	5,901.17	21.38	21.25	16.96	-139.20	-4,931.33	4,419.47	4,379.83	39.64	111.480	
6,500.00	6,470.24	6,035.62	6,000.41	21.51	21.36	16.94	-143.61	-4,942.70	4,420.83	4,381.07	39.76	111.180	
6,600.00	6,569.69	6,135.61	6,099.64	21.63	21.47	16.92	-148.01	-4,954.06	4,422.19	4,382.29	39.90	110.844	
6,700.00	6,669.14	6,235.59	6,198.88	21.77	21.59	16.90	-152.42	-4,965.42	4,423.55	4,383.51	40.04	110.474	
6,800.00	6,768.59	6,335.57	6,298.12	21.91	21.71	16.89	-156.83	-4,976.78	4,424.91	4,384.71	40.20	110.070	
6,900.00	6,868.04	6,435.55	6,397.35	22.05	21.85	16.87	-161.23	-4,988.14	4,426.28	4,385.90	40.37	109.634	
7,000.00	6,967.50	6,535.53	6,496.59	22.21	21.99	16.85	-165.64	-4,999.50	4,427.64	4,387.08	40.56	109.167	
7,100.00	7,066.95	6,635.51	6,595.82	22.37	22.13	16.83	-170.04	-5,010.86	4,429.00	4,388.24	40.76	108.670	
7,200.00	7,166.40	6,735.49	6,695.06	22.53	22.28	16.81	-174.45	-5,022.22	4,430.36	4,389.40	40.97	108.145	
7,300.00	7,265.85	6,835.47	6,794.29	22.70	22.44	16.80	-178.85	-5,033.58	4,431.73	4,390.54	41.19	107.593	
7,400.00	7,365.31	6,935.45	6,893.53	22.88	22.61	16.78	-183.26	-5,044.94	4,433.09	4,391.67	41.42	107.016	
7,500.00	7,464.76	7,035.43	6,992.77	23.06	22.78	16.76	-187.66	-5,056.30	4,434.46	4,392.79	41.67	106.415	
7,600.00	7,564.21	7,135.42	7,092.00	23.25	22.96	16.74	-192.07	-5,067.66	4,435.82	4,393.89	41.93	105.791	
7,700.00	7,663.66	7,235.40	7,191.24	23.44	23.14	16.72	-196.47	-5,079.02	4,437.19	4,394.99	42.20	105.146	
7,800.00	7,763.11	7,335.38	7,290.47	23.63	23.33	16.71	-200.88	-5,090.38	4,438.55	4,396.07	42.48	104.482	
7,900.00	7,862.57	7,435.36	7,389.71	23.84	23.53	16.69	-205.28	-5,101.74	4,439.92	4,397.15	42.77	103.800	
8,000.00	7,962.02	7,535.34	7,488.94	24.04	23.73	16.67	-209.69	-5,113.10	4,441.29	4,398.21	43.08	103.101	
8,100.00	8,061.47	7,635.32	7,588.18	24.26	23.93	16.65	-214.09	-5,124.46	4,442.65	4,399.26	43.39	102.387	
8,200.00	8,160.92	7,735.30	7,687.42	24.47	24.14	16.63	-218.50	-5,135.82	4,444.02	4,400.31	43.72	101.659	
8,263.15	8,223.73	7,801.56	7,750.08	24.61	24.28	16.62	-221.28	-5,143.00	4,444.89	4,400.96	43.93	101.182	
8,300.00	8,260.39	7,835.28	7,785.65	24.69	24.36	16.62	-222.90	-5,147.18	4,445.56	4,401.51	44.05	100.922	
8,400.00	8,360.05	7,935.19	7,885.82	24.90	24.58	16.61	-227.31	-5,158.53	4,449.11	4,404.72	44.39	100.228	
8,500.00	8,459.90	8,034.97	7,984.85	25.09	24.80	16.60	-231.70	-5,169.87	4,455.16	4,410.43	44.74	99.589	
8,600.00	8,559.85	8,134.53	8,083.67	25.27	25.03	16.59	-236.09	-5,181.18	4,463.72	4,418.63	45.09	99.005	
8,663.15	8,623.00	8,202.72	8,145.95	25.38	25.19	-90.18	-238.85	-5,188.31	4,470.41	4,425.10	45.31	98.653	
8,700.00	8,659.85	8,233.85	8,182.25	25.43	25.27	-90.20	-240.47	-5,192.47	4,474.61	4,429.18	45.43	98.490	
8,800.00	8,759.85	8,333.10	8,280.76	25.59	25.50	-90.26	-244.84	-5,203.75	4,486.00	4,440.22	45.78	97.988	
8,900.00	8,859.85	8,432.36	8,379.28	25.75	25.75	-90.31	-249.21	-5,215.02	4,497.39	4,451.26	46.14	97.474	
9,000.00	8,959.85	9,046.51	8,991.85	25.91	27.00	-90.47	-262.00	-5,246.00	4,501.15	4,453.75	47.40	94.963	
9,100.00	9,059.85	9,146.51	9,091.85	26.08	27.16	-90.47	-262.00	-5,248.00	4,501.15	4,453.39	47.76	94.243	
9,200.00	9,159.85	9,246.51	9,191.85	26.25	27.32	-90.47	-262.00	-5,248.00	4,501.15	4,453.02	48.13	93.517	
9,300.00	9,259.85	9,346.51	9,291.85	26.43	27.49	-90.47	-262.00	-5,248.00	4,501.15	4,452.64	48.51	92.788	
9,400.00	9,359.85	9,446.51	9,391.85	26.61	27.66	-90.47	-262.00	-5,248.00	4,501.15	4,452.26	48.90	92.056	
9,500.00	9,459.85	9,546.51	9,491.85	26.79	27.84	-90.47	-262.00	-5,248.00	4,501.15	4,451.86	49.29	91.322	
9,600.00	9,559.85	9,646.51	9,591.85	26.97	28.02	-90.47	-262.00	-5,248.00	4,501.15	4,451.46	49.69	90.586	
9,700.00	9,659.85	9,746.51	9,691.85	27.16	28.20	-90.47	-262.00	-5,248.00	4,501.15	4,451.06	50.10	89.850	
9,800.00	9,759.85	9,846.51	9,791.85	27.36	28.39	-90.47	-262.00	-5,248.00	4,501.15	4,450.64	50.51	89.113	
9,900.00	9,859.85	9,946.51	9,891.85	27.55	28.58	-90.47	-262.00	-5,248.00	4,501.15	4,450.22	50.93	88.376	
10,000.00	9,959.85	10,046.51	9,991.85	27.75	28.77	-90.47	-262.00	-5,248.00	4,501.15	4,449.79	51.36	87.640	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 215H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — 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	10,059.85	10,146.51	10,091.85	27.95	28.97	-90.47	-262.00	-5,248.00	4,501.15	4,449.36	51.79	86.906	
10,200.00	10,159.85	10,246.51	10,191.85	28.16	29.17	-90.47	-262.00	-5,248.00	4,501.15	4,448.92	52.23	86.173	
10,300.00	10,259.85	10,346.51	10,291.85	28.37	29.37	-90.47	-262.00	-5,248.00	4,501.15	4,448.47	52.68	85.443	
10,400.00	10,359.85	10,446.51	10,391.85	28.58	29.57	-90.47	-262.00	-5,248.00	4,501.15	4,448.02	53.13	84.716	
10,500.00	10,459.85	10,546.51	10,491.85	28.80	29.78	-90.47	-262.00	-5,248.00	4,501.15	4,447.56	53.59	83.992	
10,600.00	10,559.85	10,646.51	10,591.85	29.01	29.99	-90.47	-262.00	-5,248.00	4,501.15	4,447.10	54.05	83.272	
10,700.00	10,659.85	10,746.51	10,691.85	29.23	30.21	-90.47	-262.00	-5,248.00	4,501.15	4,446.63	54.52	82.555	
10,800.00	10,759.85	10,846.51	10,791.85	29.46	30.42	-90.47	-262.00	-5,248.00	4,501.15	4,446.15	55.00	81.843	
10,900.00	10,859.85	10,946.51	10,891.85	29.68	30.64	-90.47	-262.00	-5,248.00	4,501.15	4,445.68	55.48	81.135	
11,000.00	10,959.85	11,046.51	10,991.85	29.91	30.86	-90.47	-262.00	-5,248.00	4,501.15	4,445.19	55.96	80.433	
11,100.00	11,059.85	11,146.51	11,091.85	30.14	31.09	-90.47	-262.00	-5,248.00	4,501.15	4,444.70	56.45	79.735	
11,200.00	11,159.85	11,246.51	11,191.85	30.38	31.31	-90.47	-262.00	-5,248.00	4,501.15	4,444.21	56.95	79.042	
11,300.00	11,259.85	11,346.51	11,291.85	30.61	31.54	-90.47	-262.00	-5,248.00	4,501.15	4,443.71	57.45	78.356	
11,400.00	11,359.85	11,446.51	11,391.85	30.85	31.77	-90.47	-262.00	-5,248.00	4,501.15	4,443.20	57.95	77.674	
11,500.00	11,459.85	11,546.51	11,491.85	31.09	32.01	-90.47	-262.00	-5,248.00	4,501.15	4,442.69	58.46	76.999	
11,600.00	11,559.85	11,646.51	11,591.85	31.33	32.24	-90.47	-262.00	-5,248.00	4,501.15	4,442.18	58.97	76.330	
11,700.00	11,659.85	11,746.51	11,691.85	31.58	32.48	-90.47	-262.00	-5,248.00	4,501.15	4,441.67	59.49	75.667	
11,800.00	11,759.85	11,846.51	11,791.85	31.82	32.72	-90.47	-262.00	-5,248.00	4,501.15	4,441.14	60.01	75.010	
11,900.00	11,859.85	11,946.51	11,891.85	32.07	32.98	-90.47	-262.00	-5,248.00	4,501.15	4,440.62	60.53	74.359	
11,950.15	11,910.00	12,003.34	11,942.00	32.20	33.10	-90.47	-262.00	-5,248.00	4,501.15	4,440.34	60.81	74.015	
12,000.00	11,959.78	12,046.45	11,991.78	32.32	33.21	-90.20	-262.00	-5,248.00	4,501.16	4,440.10	61.06	73.722	
12,050.00	12,009.34	12,104.00	12,041.34	32.44	33.35	-90.28	-262.00	-5,248.00	4,501.19	4,439.86	61.33	73.399	
12,100.00	12,058.14	12,144.81	12,090.14	32.55	33.45	-90.40	-262.00	-5,248.00	4,501.25	4,439.71	61.54	73.143	
12,150.00	12,105.82	12,192.48	12,137.82	32.65	33.57	-90.57	-262.00	-5,248.00	4,501.39	4,439.62	61.76	72.879	
12,200.00	12,152.00	12,241.44	12,186.77	32.74	33.69	-90.78	-261.51	-5,248.00	4,501.63	4,439.64	61.98	72.627	
12,250.00	12,196.35	12,294.74	12,239.84	32.82	33.81	-91.01	-256.82	-5,248.03	4,501.95	4,439.75	62.20	72.382	
12,300.00	12,238.51	12,350.33	12,294.48	32.89	33.93	-91.24	-246.71	-5,248.08	4,502.34	4,439.94	62.40	72.149	
12,350.00	12,278.17	12,408.43	12,350.26	32.96	34.04	-91.46	-230.54	-5,248.16	4,502.80	4,440.20	62.60	71.929	
12,400.00	12,315.03	12,469.25	12,406.58	33.02	34.14	-91.68	-207.65	-5,248.28	4,503.31	4,440.52	62.79	71.717	
12,450.00	12,348.81	12,533.00	12,462.65	33.07	34.22	-91.89	-177.40	-5,248.44	4,503.85	4,440.87	62.98	71.509	
12,500.00	12,379.25	12,599.79	12,517.42	33.12	34.29	-92.09	-139.23	-5,248.64	4,504.40	4,441.23	63.17	71.303	
12,550.00	12,406.12	12,669.69	12,569.57	33.17	34.35	-92.28	-92.75	-5,248.89	4,504.94	4,441.57	63.37	71.092	
12,600.00	12,429.21	12,742.63	12,617.54	33.22	34.39	-92.45	-37.86	-5,249.17	4,505.44	4,441.87	63.57	70.870	
12,650.00	12,448.35	12,818.41	12,659.57	33.27	34.42	-92.59	25.12	-5,249.50	4,505.88	4,442.08	63.80	70.630	
12,700.00	12,463.40	12,896.61	12,693.84	33.34	34.45	-92.70	95.34	-5,249.87	4,506.23	4,442.19	64.04	70.366	
12,750.15	12,474.25	12,976.91	12,718.76	38.63	34.48	-92.78	171.61	-5,250.27	4,506.46	4,442.17	64.29	70.098	
12,775.15	12,478.59	13,017.42	12,727.21	38.66	39.90	-92.80	211.22	-5,250.48	4,506.50	4,442.11	64.40	69.980	
12,800.00	12,482.59	13,042.36	12,731.54	38.68	39.99	-92.80	235.78	-5,250.61	4,506.51	4,442.04	64.48	69.895	
12,850.00	12,488.69	13,100.36	12,739.89	38.72	40.04	-92.80	293.16	-5,250.94	4,506.54	4,441.87	64.67	69.686	
12,900.00	12,492.19	13,158.48	12,744.75	38.78	40.09	-92.81	351.07	-5,251.35	4,506.55	4,441.64	64.91	69.425	
12,941.88	12,493.11	13,207.19	12,746.10	38.82	40.14	-92.81	399.75	-5,251.74	4,506.55	4,441.40	65.15	69.171	
13,000.00	12,493.10	13,265.62	12,746.10	38.89	40.20	-92.81	458.18	-5,252.25	4,506.54	4,441.01	65.53	68.773	
13,100.00	12,493.10	13,365.62	12,746.10	39.03	40.32	-92.81	558.18	-5,253.11	4,506.51	4,440.23	66.29	67.983	
13,200.00	12,493.10	13,465.62	12,746.10	39.20	40.47	-92.81	658.17	-5,253.98	4,506.49	4,439.29	67.20	67.057	
13,300.00	12,493.10	13,565.62	12,746.10	39.39	40.64	-92.81	758.17	-5,254.84	4,506.47	4,438.20	68.27	66.012	
13,400.00	12,493.09	13,665.62	12,746.09	39.63	40.84	-92.81	858.17	-5,255.70	4,506.44	4,436.97	69.47	64.865	
13,500.00	12,493.09	13,765.62	12,746.09	39.91	41.08	-92.81	958.16	-5,256.57	4,506.42	4,435.60	70.81	63.637	
13,600.00	12,493.09	13,865.62	12,746.09	40.26	41.37	-92.81	1,058.16	-5,257.43	4,506.39	4,434.11	72.28	62.344	
13,700.00	12,493.09	13,965.62	12,746.09	40.67	41.71	-92.81	1,158.15	-5,258.30	4,506.37	4,432.50	73.87	61.004	
13,800.00	12,493.08	14,065.62	12,746.08	41.17	42.11	-92.81	1,258.15	-5,259.16	4,506.34	4,430.77	75.57	59.632	
13,900.00	12,493.08	14,165.62	12,746.08	41.76	42.59	-92.81	1,358.15	-5,260.02	4,506.32	4,428.94	77.37	58.241	
14,000.00	12,493.08	14,265.62	12,746.08	42.43	43.15	-92.81	1,458.14	-5,260.89	4,506.29	4,427.02	79.28	56.843	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed - 215H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — 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	12,493.08	14,365.62	12,746.08	43.20	43.79	-92.81	1,558.14	-5,261.75	4,506.27	4,425.00	81.27	55.449	
14,200.00	12,493.07	14,465.62	12,746.07	44.04	44.51	-92.81	1,658.14	-5,262.62	4,506.24	4,422.90	83.35	54.067	
14,300.00	12,493.07	14,565.62	12,746.07	44.96	45.31	-92.81	1,758.13	-5,263.48	4,506.22	4,420.72	85.50	52.704	
14,400.00	12,493.07	14,665.62	12,746.07	45.94	46.19	-92.81	1,858.13	-5,264.35	4,506.20	4,418.47	87.73	51.365	
14,500.00	12,493.07	14,765.62	12,746.07	46.97	47.13	-92.81	1,958.12	-5,265.21	4,506.17	4,416.15	90.02	50.056	
14,600.00	12,493.06	14,865.62	12,746.06	48.06	48.13	-92.81	2,058.12	-5,266.07	4,506.15	4,413.77	92.38	48.779	
14,700.00	12,493.06	14,965.62	12,746.06	49.19	49.18	-92.81	2,158.12	-5,266.94	4,506.12	4,411.33	94.79	47.536	
14,800.00	12,493.06	15,065.62	12,746.06	50.35	50.27	-92.81	2,258.11	-5,267.80	4,506.10	4,408.84	97.26	46.330	
14,900.00	12,493.06	15,165.62	12,746.06	51.55	51.41	-92.81	2,358.11	-5,268.67	4,506.07	4,406.30	99.76	45.161	
15,000.00	12,493.06	15,265.62	12,746.06	52.78	52.58	-92.81	2,458.11	-5,269.53	4,506.05	4,403.71	102.34	44.031	
15,100.00	12,493.05	15,365.62	12,746.05	54.04	53.78	-92.81	2,558.10	-5,270.39	4,506.02	4,401.08	104.94	42.938	
15,200.00	12,493.05	15,465.62	12,746.05	55.33	55.02	-92.81	2,658.10	-5,271.26	4,506.00	4,398.41	107.59	41.883	
15,300.00	12,493.05	15,565.62	12,746.05	56.63	56.28	-92.81	2,758.09	-5,272.12	4,505.97	4,395.71	110.27	40.865	
15,400.00	12,493.05	15,665.62	12,746.05	57.96	57.56	-92.81	2,858.09	-5,272.99	4,505.95	4,392.97	112.98	39.883	
15,500.00	12,493.04	15,765.62	12,746.04	59.30	58.87	-92.81	2,958.09	-5,273.85	4,505.93	4,390.20	115.72	38.937	
15,600.00	12,493.04	15,865.62	12,746.04	60.66	60.20	-92.81	3,058.08	-5,274.72	4,505.90	4,387.40	118.50	38.025	
15,700.00	12,493.04	15,965.62	12,746.04	62.04	61.54	-92.81	3,158.08	-5,275.58	4,505.88	4,384.58	121.30	37.147	
15,800.00	12,493.04	16,065.62	12,746.04	63.43	62.90	-92.81	3,258.08	-5,276.44	4,505.85	4,381.73	124.13	36.301	
15,900.00	12,493.03	16,165.62	12,746.03	64.84	64.28	-92.81	3,358.07	-5,277.31	4,505.83	4,378.85	126.98	35.486	
16,000.00	12,493.03	16,265.62	12,746.03	66.26	65.67	-92.81	3,458.07	-5,278.17	4,505.80	4,375.95	129.85	34.701	
16,100.00	12,493.03	16,365.62	12,746.03	67.69	67.07	-92.81	3,558.06	-5,279.04	4,505.78	4,373.04	132.74	33.944	
16,200.00	12,493.03	16,465.62	12,746.03	69.13	68.49	-92.81	3,658.06	-5,279.90	4,505.75	4,370.10	135.65	33.215	
16,300.00	12,493.02	16,565.62	12,746.02	70.58	69.92	-92.81	3,758.06	-5,280.76	4,505.73	4,367.15	138.58	32.513	
16,400.00	12,493.02	16,665.62	12,746.02	72.04	71.36	-92.81	3,858.05	-5,281.63	4,505.70	4,364.17	141.53	31.836	
16,500.00	12,493.02	16,765.62	12,746.02	73.51	72.81	-92.81	3,958.05	-5,282.49	4,505.68	4,361.19	144.49	31.183	
16,600.00	12,493.02	16,865.62	12,746.02	74.99	74.27	-92.81	4,058.05	-5,283.36	4,505.66	4,358.18	147.47	30.553	
16,700.00	12,493.01	16,965.62	12,746.01	76.48	75.73	-92.81	4,158.04	-5,284.22	4,505.63	4,355.17	150.46	29.945	
16,800.00	12,493.01	17,065.62	12,746.01	77.97	77.21	-92.81	4,258.04	-5,285.09	4,505.61	4,352.14	153.47	29.358	
16,900.00	12,493.01	17,165.62	12,746.01	79.47	78.69	-92.81	4,358.03	-5,285.95	4,505.58	4,349.09	156.49	28.792	
17,000.00	12,493.01	17,265.62	12,746.01	80.98	80.18	-92.81	4,458.03	-5,286.81	4,505.56	4,346.04	159.52	28.245	
17,100.00	12,493.00	17,365.62	12,746.00	82.49	81.68	-92.81	4,558.03	-5,287.68	4,505.53	4,342.97	162.56	27.716	
17,200.00	12,493.00	17,465.62	12,746.00	84.01	83.18	-92.81	4,658.02	-5,288.54	4,505.51	4,339.90	165.61	27.205	
17,242.10	12,493.00	17,507.71	12,746.00	84.65	83.82	-92.81	4,700.12	-5,288.91	4,505.50	4,338.50	166.90	26.996	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 203H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — 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	21.00	21.00	0.00	0.03	-95.16	-222.00	-2,456.00	2,466.01				
100.00	100.00	121.00	121.00	0.13	0.20	-95.16	-222.00	-2,456.00	2,466.01	2,465.68	0.33	7,477.431	
200.00	200.00	221.00	221.00	0.49	0.56	-95.16	-222.00	-2,456.00	2,466.01	2,464.97	1.05	2,355.905	
300.00	300.00	321.00	321.00	0.84	0.92	-95.16	-222.00	-2,456.00	2,466.01	2,464.25	1.76	1,398.220	
400.00	400.00	421.00	421.00	1.20	1.28	-95.16	-222.00	-2,456.00	2,466.01	2,463.53	2.48	994.110	
500.00	500.00	521.00	521.00	1.56	1.64	-95.16	-222.00	-2,456.00	2,466.01	2,462.82	3.20	771.216	
600.00	600.00	621.00	621.00	1.92	1.99	-95.16	-222.00	-2,456.00	2,466.01	2,462.10	3.91	629.967	
700.00	700.00	721.00	721.00	2.28	2.35	-95.16	-222.00	-2,456.00	2,466.01	2,461.38	4.63	532.449	
800.00	800.00	821.00	821.00	2.64	2.71	-95.16	-222.00	-2,456.00	2,466.01	2,460.66	5.35	461.075	
900.00	899.99	920.99	920.99	2.98	3.07	11.61	-222.00	-2,456.00	2,464.73	2,458.68	6.05	407.111	
1,000.00	999.91	1,020.91	1,020.91	3.33	3.43	11.64	-222.00	-2,456.00	2,460.89	2,454.13	6.75	364.411	
1,100.00	1,099.69	1,120.69	1,120.69	3.67	3.79	11.69	-222.00	-2,456.00	2,454.48	2,447.02	7.46	329.214	
1,200.00	1,199.27	1,220.27	1,220.27	4.03	4.14	11.75	-222.00	-2,456.00	2,445.52	2,437.36	8.16	299.671	
1,300.00	1,298.72	1,319.72	1,319.72	4.39	4.50	11.81	-222.00	-2,456.00	2,435.28	2,426.42	8.87	274.655	
1,400.00	1,398.17	1,419.17	1,419.17	4.76	4.86	11.86	-222.00	-2,456.00	2,425.05	2,415.48	9.57	253.300	
1,500.00	1,497.63	1,518.63	1,518.63	5.13	5.21	11.91	-222.00	-2,456.00	2,414.82	2,404.54	10.28	234.832	
1,600.00	1,597.08	1,618.08	1,618.08	5.51	5.57	11.96	-222.00	-2,456.00	2,404.59	2,393.60	10.99	218.712	
1,700.00	1,696.53	1,717.53	1,717.53	5.89	5.93	12.01	-222.00	-2,456.00	2,394.36	2,382.66	11.71	204.524	
1,800.00	1,795.98	1,816.98	1,816.98	6.27	6.28	12.07	-222.00	-2,456.00	2,384.14	2,371.72	12.42	191.946	
1,900.00	1,895.43	1,916.43	1,916.43	6.65	6.64	12.12	-222.00	-2,456.00	2,373.91	2,360.78	13.14	180.721	
2,000.00	1,994.89	2,015.89	2,015.89	7.04	7.00	12.17	-222.00	-2,456.00	2,363.69	2,349.84	13.85	170.644	
2,100.00	2,094.34	2,115.34	2,115.34	7.42	7.35	12.23	-222.00	-2,456.00	2,353.47	2,338.91	14.57	161.550	
2,200.00	2,193.79	2,214.79	2,214.79	7.81	7.71	12.28	-222.00	-2,456.00	2,343.26	2,327.97	15.29	153.301	
2,300.00	2,293.24	2,314.24	2,314.24	8.20	8.06	12.33	-222.00	-2,456.00	2,333.04	2,317.04	16.00	145.787	
2,400.00	2,392.70	2,413.70	2,413.70	8.59	8.42	12.39	-222.00	-2,456.00	2,322.83	2,306.11	16.72	138.914	
2,500.00	2,492.15	2,513.15	2,513.15	8.97	8.78	12.44	-222.00	-2,456.00	2,312.62	2,295.18	17.44	132.604	
2,600.00	2,591.60	2,612.60	2,612.60	9.36	9.13	12.50	-222.00	-2,456.00	2,302.41	2,284.25	18.16	126.791	
2,700.00	2,691.05	2,712.05	2,712.05	9.75	9.49	12.56	-222.00	-2,456.00	2,292.20	2,273.32	18.88	121.418	
2,800.00	2,790.50	2,811.50	2,811.50	10.15	9.85	12.61	-222.00	-2,456.00	2,282.00	2,262.40	19.60	116.438	
2,900.00	2,889.96	2,910.96	2,910.96	10.54	10.20	12.67	-222.00	-2,456.00	2,271.80	2,251.48	20.32	111.810	
3,000.00	2,989.41	3,010.41	3,010.41	10.93	10.56	12.73	-222.00	-2,456.00	2,261.60	2,240.56	21.04	107.497	
3,100.00	3,088.86	3,109.86	3,109.86	11.32	10.92	12.79	-222.00	-2,456.00	2,251.40	2,229.64	21.76	103.468	
3,200.00	3,188.31	3,209.31	3,209.31	11.71	11.27	12.85	-222.00	-2,456.00	2,241.20	2,218.72	22.48	99.697	
3,300.00	3,287.77	3,308.77	3,308.77	12.11	11.63	12.91	-222.00	-2,456.00	2,231.01	2,207.81	23.20	96.159	
3,400.00	3,387.22	3,408.22	3,408.22	12.50	11.99	12.97	-222.00	-2,456.00	2,220.82	2,196.90	23.92	92.834	
3,500.00	3,486.67	3,507.67	3,507.67	12.89	12.34	13.03	-222.00	-2,456.00	2,210.63	2,185.99	24.64	89.703	
3,600.00	3,586.12	3,607.12	3,607.12	13.28	12.70	13.09	-222.00	-2,456.00	2,200.45	2,175.08	25.37	86.750	
3,700.00	3,685.57	3,706.57	3,706.57	13.68	13.06	13.15	-222.00	-2,456.00	2,190.26	2,164.18	26.09	83.960	
3,800.00	3,785.03	3,806.03	3,806.03	14.07	13.41	13.21	-222.00	-2,456.00	2,180.08	2,153.28	26.81	81.319	
3,900.00	3,884.48	3,905.48	3,905.48	14.47	13.77	13.28	-222.00	-2,456.00	2,169.91	2,142.38	27.53	78.817	
4,000.00	3,983.93	4,004.93	4,004.93	14.86	14.13	13.34	-222.00	-2,456.00	2,159.73	2,131.48	28.25	76.442	
4,100.00	4,083.38	4,104.38	4,104.38	15.25	14.48	13.41	-222.00	-2,456.00	2,149.56	2,120.58	28.98	74.186	
4,200.00	4,182.84	4,203.84	4,203.84	15.65	14.84	13.47	-222.00	-2,456.00	2,139.39	2,109.69	29.70	72.038	
4,300.00	4,282.29	4,303.29	4,303.29	16.04	15.19	13.54	-222.00	-2,456.00	2,129.22	2,098.80	30.42	69.993	
4,400.00	4,381.74	4,402.74	4,402.74	16.44	15.55	13.60	-222.00	-2,456.00	2,119.06	2,087.92	31.14	68.043	
4,500.00	4,481.19	4,502.19	4,502.19	16.83	15.91	13.67	-222.00	-2,456.00	2,108.90	2,077.03	31.87	66.180	
4,600.00	4,580.64	4,601.64	4,601.64	17.23	16.26	13.74	-222.00	-2,456.00	2,098.74	2,066.15	32.59	64.401	
4,700.00	4,680.10	4,701.10	4,701.10	17.62	16.62	13.80	-222.00	-2,456.00	2,088.58	2,055.27	33.31	62.698	
4,800.00	4,779.55	4,800.55	4,800.55	18.02	16.98	13.87	-222.00	-2,456.00	2,078.43	2,044.40	34.04	61.067	
4,900.00	4,879.00	4,900.00	4,900.00	18.41	17.33	13.94	-222.00	-2,456.00	2,068.28	2,033.52	34.76	59.505	
5,000.00	4,978.45	5,000.55	4,999.45	18.81	17.69	14.01	-222.00	-2,456.00	2,058.13	2,022.65	35.49	57.999	
5,100.00	5,077.90	5,101.10	5,098.90	19.20	18.05	14.08	-222.00	-2,456.00	2,047.99	2,011.78	36.21	56.554	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 203H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — **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
5,200.00	5,177.36	5,201.64	5,198.36	19.60	18.42	14.15	-222.00	-2,456.00	2,037.85	2,000.91	36.94	55.166	
5,300.00	5,276.81	5,302.19	5,297.81	19.99	18.78	14.23	-222.00	-2,456.00	2,027.71	1,990.04	37.67	53.831	
5,400.00	5,376.26	5,402.74	5,397.26	20.39	19.13	14.30	-222.00	-2,456.00	2,017.58	1,979.19	38.39	52.554	
5,500.00	5,475.71	5,503.29	5,496.71	20.61	19.31	14.37	-222.00	-2,456.00	2,007.45	1,968.69	38.76	51.796	
5,600.00	5,575.17	5,603.83	5,596.17	20.67	19.31	14.45	-222.00	-2,456.00	1,997.32	1,958.55	38.78	51.510	
5,700.00	5,674.62	5,704.38	5,695.62	20.73	19.33	14.52	-222.00	-2,456.00	1,987.20	1,948.39	38.81	51.206	
5,800.00	5,774.07	5,804.93	5,795.07	20.80	19.35	14.60	-222.00	-2,456.00	1,977.08	1,938.22	38.85	50.884	
5,900.00	5,873.52	5,905.48	5,894.52	20.88	19.37	14.68	-222.00	-2,456.00	1,966.96	1,928.04	38.91	50.546	
6,000.00	5,972.97	6,006.03	5,993.97	20.97	19.41	14.75	-222.00	-2,456.00	1,956.85	1,917.86	38.99	50.191	
6,100.00	6,072.43	6,106.57	6,093.43	21.06	19.45	14.83	-222.00	-2,456.00	1,946.74	1,907.66	39.07	49.821	
6,200.00	6,171.88	6,207.12	6,192.88	21.16	19.50	14.91	-222.00	-2,456.00	1,936.63	1,897.45	39.18	49.435	
6,300.00	6,271.33	6,307.67	6,292.33	21.27	19.55	14.99	-222.00	-2,456.00	1,926.53	1,887.24	39.29	49.035	
6,400.00	6,370.78	6,408.22	6,391.78	21.38	19.61	15.07	-222.00	-2,456.00	1,916.43	1,877.01	39.42	48.620	
6,500.00	6,470.24	6,508.76	6,491.24	21.51	19.68	15.15	-222.00	-2,456.00	1,906.33	1,866.78	39.56	48.193	
6,600.00	6,569.69	6,609.31	6,590.69	21.63	19.75	15.24	-222.00	-2,456.00	1,896.24	1,856.53	39.71	47.753	
6,700.00	6,669.14	6,709.86	6,690.14	21.77	19.83	15.32	-222.00	-2,456.00	1,886.15	1,846.28	39.88	47.301	
6,800.00	6,768.59	6,789.59	6,789.59	21.91	19.89	15.40	-222.00	-2,456.00	1,876.07	1,836.03	40.04	46.860	
6,900.00	6,868.04	6,889.04	6,889.04	22.05	19.98	15.49	-222.00	-2,456.00	1,865.99	1,825.77	40.23	46.389	
7,000.00	6,967.50	6,988.50	6,988.50	22.21	20.08	15.57	-222.00	-2,456.00	1,855.92	1,815.49	40.43	45.909	
7,100.00	7,066.95	7,087.95	7,087.95	22.37	20.18	15.66	-222.00	-2,456.00	1,845.85	1,805.21	40.64	45.420	
7,200.00	7,166.40	7,187.40	7,187.40	22.53	20.29	15.75	-222.00	-2,456.00	1,835.78	1,794.91	40.86	44.923	
7,300.00	7,265.85	7,259.13	7,259.13	22.70	20.36	15.81	-222.10	-2,456.45	1,826.38	1,785.29	41.08	44.458	
7,400.00	7,365.31	7,327.03	7,327.01	22.88	20.44	15.86	-222.45	-2,458.06	1,818.70	1,777.40	41.29	44.042	
7,500.00	7,464.76	7,400.00	7,399.91	23.05	20.52	15.91	-223.11	-2,461.12	1,812.77	1,771.26	41.51	43.670	
7,600.00	7,564.21	7,463.32	7,463.11	23.25	20.60	15.94	-223.93	-2,464.87	1,808.57	1,766.86	41.72	43.354	
7,700.00	7,663.66	7,535.85	7,530.40	23.44	20.69	15.97	-225.04	-2,469.99	1,806.14	1,764.20	41.93	43.074	
7,800.00	7,763.11	7,630.80	7,630.00	23.63	20.81	16.01	-226.89	-2,476.50	1,804.62	1,762.42	42.20	42.762	
7,900.00	7,862.57	7,730.78	7,729.60	23.84	20.94	16.04	-228.74	-2,487.02	1,803.11	1,760.62	42.49	42.437	
8,000.00	7,962.02	7,830.76	7,829.20	24.04	21.08	16.08	-230.59	-2,495.53	1,801.59	1,758.81	42.79	42.106	
8,100.00	8,061.47	7,930.74	7,928.81	24.26	21.23	16.12	-232.45	-2,504.05	1,800.08	1,756.98	43.10	41.770	
8,200.00	8,160.92	8,030.72	8,028.41	24.47	21.38	16.15	-234.30	-2,512.56	1,798.57	1,755.15	43.41	41.428	
8,263.15	8,223.73	8,105.14	8,091.31	24.61	21.50	16.18	-235.47	-2,517.94	1,797.61	1,753.97	43.64	41.193	
8,300.00	8,260.39	8,130.71	8,128.01	24.69	21.54	16.19	-236.15	-2,521.08	1,797.23	1,753.48	43.74	41.067	
8,323.26	8,283.55	8,153.97	8,151.18	24.74	21.57	16.19	-236.58	-2,523.06	1,797.16	1,753.34	43.82	41.012 CC	
8,400.00	8,360.05	8,230.70	8,227.62	24.90	21.70	16.21	-238.00	-2,529.60	1,797.90	1,753.82	44.08	40.790	
8,500.00	8,459.90	8,374.05	8,370.52	25.09	21.94	16.21	-240.41	-2,540.68	1,800.47	1,755.96	44.51	40.451	
8,500.00	8,559.85	8,559.81	8,556.12	25.27	22.26	16.22	-241.92	-2,547.63	1,801.38	1,756.38	45.00	40.030	
8,663.15	8,623.00	8,647.68	8,644.00	25.36	22.42	-90.54	-242.00	-2,548.00	1,801.08	1,755.83	45.25	39.800	
8,700.00	8,659.85	8,684.53	8,680.85	25.43	22.48	-90.54	-242.00	-2,548.00	1,801.08	1,755.70	45.38	39.686	
8,800.00	8,759.85	8,784.53	8,780.85	25.59	22.67	-90.54	-242.00	-2,548.00	1,801.08	1,755.35	45.73	39.382	
8,900.00	8,859.85	8,884.53	8,880.85	25.75	22.85	-90.54	-242.00	-2,548.00	1,801.08	1,754.99	46.09	39.074	
9,000.00	8,959.85	8,984.53	8,980.85	25.91	23.04	-90.54	-242.00	-2,548.00	1,801.08	1,754.62	46.46	38.763	
9,100.00	9,059.85	9,084.53	9,080.85	26.08	23.24	-90.54	-242.00	-2,548.00	1,801.08	1,754.24	46.84	38.451	
9,200.00	9,159.85	9,184.53	9,180.85	26.25	23.44	-90.54	-242.00	-2,548.00	1,801.08	1,753.85	47.23	38.137	
9,300.00	9,259.85	9,284.53	9,280.85	26.43	23.64	-90.54	-242.00	-2,548.00	1,801.08	1,753.46	47.62	37.823	
9,400.00	9,359.85	9,384.53	9,380.85	26.61	23.84	-90.54	-242.00	-2,548.00	1,801.08	1,753.06	48.02	37.507	
9,500.00	9,459.85	9,484.53	9,480.85	26.79	24.05	-90.54	-242.00	-2,548.00	1,801.08	1,752.65	48.43	37.191	
9,600.00	9,559.85	9,584.53	9,580.85	26.97	24.27	-90.54	-242.00	-2,548.00	1,801.08	1,752.24	48.84	36.876	
9,700.00	9,659.85	9,684.53	9,680.85	27.16	24.48	-90.54	-242.00	-2,548.00	1,801.08	1,751.82	49.26	36.560	
9,800.00	9,759.85	9,784.53	9,780.85	27.36	24.70	-90.54	-242.00	-2,548.00	1,801.08	1,751.39	49.69	36.245	
9,900.00	9,859.85	9,884.53	9,880.85	27.55	24.93	-90.54	-242.00	-2,548.00	1,801.08	1,750.95	50.13	35.930	
10,000.00	9,959.85	9,984.53	9,980.85	27.75	25.15	-90.54	-242.00	-2,548.00	1,801.08	1,750.51	50.57	35.616	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 203H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — **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	10,059.85	10,084.53	10,080.85	27.95	25.38	-90.54	-242.00	-2,548.00	1,801.08	1,750.06	51.02	35.304	
10,200.00	10,159.85	10,184.53	10,180.85	28.16	25.61	-90.54	-242.00	-2,548.00	1,801.08	1,749.61	51.47	34.993	
10,300.00	10,259.85	10,284.53	10,280.85	28.37	25.85	-90.54	-242.00	-2,548.00	1,801.08	1,749.15	51.93	34.683	
10,400.00	10,359.85	10,384.53	10,380.85	28.58	26.09	-90.54	-242.00	-2,548.00	1,801.08	1,748.68	52.40	34.375	
10,500.00	10,459.85	10,484.53	10,480.85	28.80	26.33	-90.54	-242.00	-2,548.00	1,801.08	1,748.21	52.87	34.068	
10,600.00	10,559.85	10,584.53	10,580.85	29.01	26.57	-90.54	-242.00	-2,548.00	1,801.08	1,747.74	53.34	33.764	
10,700.00	10,659.85	10,684.53	10,680.85	29.23	26.81	-90.54	-242.00	-2,548.00	1,801.08	1,747.25	53.83	33.462	
10,800.00	10,759.85	10,784.53	10,780.85	29.46	27.06	-90.54	-242.00	-2,548.00	1,801.08	1,746.77	54.31	33.161	
10,900.00	10,859.85	10,884.53	10,880.85	29.68	27.31	-90.54	-242.00	-2,548.00	1,801.08	1,746.28	54.80	32.864	
11,000.00	10,959.85	10,984.53	10,980.85	29.91	27.57	-90.54	-242.00	-2,548.00	1,801.08	1,745.78	55.30	32.568	
11,100.00	11,059.85	11,084.53	11,080.85	30.14	27.82	-90.54	-242.00	-2,548.00	1,801.08	1,745.28	55.80	32.275	
11,200.00	11,159.85	11,184.53	11,180.85	30.38	28.08	-90.54	-242.00	-2,548.00	1,801.08	1,744.77	56.31	31.985	
11,300.00	11,259.85	11,284.53	11,280.85	30.61	28.34	-90.54	-242.00	-2,548.00	1,801.08	1,744.26	56.82	31.697	
11,400.00	11,359.85	11,384.53	11,380.85	30.85	28.60	-90.54	-242.00	-2,548.00	1,801.08	1,743.74	57.34	31.412	
11,500.00	11,459.85	11,484.53	11,480.85	31.09	28.86	-90.54	-242.00	-2,548.00	1,801.08	1,743.22	57.86	31.130	
11,600.00	11,559.85	11,584.53	11,580.85	31.33	29.13	-90.54	-242.00	-2,548.00	1,801.08	1,742.70	58.38	30.851	
11,700.00	11,659.85	11,684.53	11,680.85	31.58	29.40	-90.54	-242.00	-2,548.00	1,801.08	1,742.17	58.91	30.574	
11,800.00	11,759.85	11,784.53	11,780.85	31.82	29.67	-90.54	-242.00	-2,548.00	1,801.08	1,741.64	59.44	30.301	
11,900.00	11,859.85	11,884.53	11,880.85	32.07	29.94	-90.54	-242.00	-2,548.00	1,801.08	1,741.10	59.98	30.030	
11,950.15	11,910.00	11,934.69	11,931.00	32.20	30.08	-90.54	-242.00	-2,548.00	1,801.08	1,740.83	60.25	29.895	
12,000.00	11,959.78	11,984.47	11,980.78	32.32	30.21	-90.31	-242.00	-2,548.00	1,801.09	1,740.58	60.51	29.765	
12,050.00	12,009.34	12,034.75	12,031.05	32.44	30.35	-90.49	-241.41	-2,548.00	1,801.13	1,740.37	60.77	29.641	
12,100.00	12,058.14	12,086.03	12,082.11	32.55	30.49	-90.70	-236.79	-2,548.03	1,801.20	1,740.18	61.02	29.520	
12,150.00	12,105.82	12,137.92	12,133.14	32.65	30.63	-90.89	-227.49	-2,548.08	1,801.29	1,740.03	61.26	29.405	
12,200.00	12,152.00	12,190.43	12,183.71	32.74	30.77	-91.08	-213.42	-2,548.15	1,801.39	1,739.90	61.49	29.294	
12,250.00	12,196.35	12,243.54	12,233.33	32.82	30.91	-91.27	-194.54	-2,548.25	1,801.51	1,739.79	61.72	29.187	
12,300.00	12,238.51	12,297.26	12,281.53	32.89	31.04	-91.44	-170.85	-2,548.37	1,801.64	1,739.69	61.95	29.082	
12,350.00	12,278.17	12,351.56	12,327.77	32.96	31.16	-91.61	-142.43	-2,548.52	1,801.78	1,739.60	62.18	28.977	
12,400.00	12,315.03	12,406.43	12,371.56	33.02	31.29	-91.76	-109.40	-2,548.69	1,801.92	1,739.51	62.41	28.872	
12,450.00	12,348.81	12,461.83	12,412.36	33.07	31.43	-91.90	-71.96	-2,548.89	1,802.06	1,739.41	62.65	28.764	
12,500.00	12,379.25	12,517.71	12,449.65	33.12	31.59	-92.02	-30.38	-2,549.11	1,802.19	1,739.29	62.90	28.652	
12,550.00	12,406.12	12,574.02	12,482.96	33.17	31.76	-92.12	14.99	-2,549.35	1,802.31	1,739.14	63.16	28.533	
12,600.00	12,429.21	12,630.71	12,511.84	33.22	31.94	-92.21	63.75	-2,549.60	1,802.41	1,738.96	63.45	28.408	
12,650.00	12,448.35	12,687.70	12,535.87	33.27	32.13	-92.28	115.41	-2,549.87	1,802.49	1,738.74	63.75	28.274	
12,700.00	12,463.40	12,744.93	12,554.72	33.34	32.33	-92.33	169.42	-2,550.15	1,802.56	1,738.48	64.08	28.131	
12,750.15	12,474.25	12,802.49	12,568.14	38.63	32.55	-92.36	225.36	-2,550.45	1,802.59	1,738.19	64.40	27.991	
12,775.15	12,478.59	12,828.29	12,572.66	38.66	37.29	-92.36	250.76	-2,550.58	1,802.59	1,738.07	64.52	27.938	
12,800.00	12,482.59	12,853.96	12,576.90	38.68	37.30	-92.36	276.08	-2,550.72	1,802.59	1,737.94	64.65	27.881	
12,850.00	12,488.69	12,906.09	12,583.45	38.72	37.33	-92.36	327.79	-2,551.04	1,802.59	1,737.65	64.95	27.754	
12,900.00	12,492.19	12,958.23	12,587.17	38.78	37.36	-92.35	379.79	-2,551.42	1,802.59	1,737.30	65.29	27.610	
12,941.88	12,493.11	13,001.90	12,588.10	38.82	37.38	-92.35	423.44	-2,551.77	1,802.58	1,736.98	65.60	27.478	
13,000.00	12,493.10	13,059.96	12,588.10	38.89	37.42	-92.35	481.50	-2,552.28	1,802.57	1,736.48	66.09	27.275	
13,100.00	12,493.10	13,159.96	12,588.10	39.03	37.47	-92.35	581.50	-2,553.14	1,802.54	1,735.51	67.03	26.890	
13,200.00	12,493.10	13,259.96	12,588.10	39.20	37.54	-92.35	681.49	-2,554.01	1,802.52	1,734.39	68.13	26.459	
13,300.00	12,493.10	13,359.96	12,588.10	39.39	37.60	-92.35	781.49	-2,554.87	1,802.49	1,733.13	69.36	25.988	
13,400.00	12,493.09	13,459.96	12,588.09	39.63	37.68	-92.35	881.48	-2,555.74	1,802.47	1,731.74	70.73	25.485	
13,500.00	12,493.09	13,559.96	12,588.09	39.91	37.79	-92.35	981.48	-2,556.60	1,802.45	1,730.22	72.22	24.957	
13,600.00	12,493.09	13,659.96	12,588.09	40.26	38.06	-92.35	1,081.48	-2,557.47	1,802.42	1,728.59	73.84	24.411	
13,700.00	12,493.09	13,759.96	12,588.09	40.67	38.74	-92.35	1,181.47	-2,558.33	1,802.40	1,726.84	75.56	23.854	
13,800.00	12,493.08	13,859.96	12,588.08	41.17	39.64	-92.35	1,281.47	-2,559.19	1,802.37	1,724.98	77.39	23.290	
13,900.00	12,493.08	13,959.96	12,588.08	41.76	40.61	-92.35	1,381.47	-2,560.06	1,802.35	1,723.04	79.31	22.724	
14,000.00	12,493.08	14,059.96	12,588.08	42.43	41.63	-92.35	1,481.46	-2,560.92	1,802.33	1,721.00	81.33	22.161	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 203H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — **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	12,493.08	14,159.96	12,588.08	43.20	42.70	-92.35	1,581.46	-2,561.79	1,802.30	1,718.87	83.43	21.603	
14,200.00	12,493.07	14,259.96	12,588.07	44.04	43.81	-92.35	1,681.45	-2,562.65	1,802.28	1,716.68	85.60	21.054	
14,300.00	12,493.07	14,359.96	12,588.07	44.96	44.95	-92.35	1,781.45	-2,563.52	1,802.25	1,714.40	87.85	20.515	
14,400.00	12,493.07	14,459.96	12,588.07	45.94	46.13	-92.35	1,881.45	-2,564.38	1,802.23	1,712.07	90.16	19.989	
14,500.00	12,493.07	14,559.96	12,588.07	46.97	47.33	-92.35	1,981.44	-2,565.25	1,802.21	1,709.67	92.54	19.476	
14,600.00	12,493.06	14,659.96	12,588.06	48.06	48.57	-92.35	2,081.44	-2,566.11	1,802.18	1,707.22	94.97	18.977	
14,700.00	12,493.06	14,759.96	12,588.06	49.19	49.82	-92.35	2,181.44	-2,566.98	1,802.16	1,704.71	97.45	18.493	
14,800.00	12,493.06	14,859.96	12,588.06	50.35	51.10	-92.35	2,281.43	-2,567.84	1,802.13	1,702.15	99.98	18.025	
14,900.00	12,493.06	14,959.96	12,588.06	51.55	52.40	-92.35	2,381.43	-2,568.71	1,802.11	1,699.55	102.56	17.572	
15,000.00	12,493.06	15,059.96	12,588.05	52.78	53.72	-92.35	2,481.42	-2,569.57	1,802.09	1,696.91	105.17	17.134	
15,100.00	12,493.05	15,159.96	12,588.05	54.04	55.06	-92.35	2,581.42	-2,570.44	1,802.06	1,694.23	107.83	16.712	
15,200.00	12,493.05	15,259.96	12,588.05	55.33	56.42	-92.35	2,681.42	-2,571.30	1,802.04	1,691.52	110.52	16.305	
15,300.00	12,493.05	15,359.96	12,588.05	56.63	57.79	-92.35	2,781.41	-2,572.17	1,802.01	1,688.77	113.25	15.912	
15,400.00	12,493.05	15,459.96	12,588.05	57.96	59.18	-92.35	2,881.41	-2,573.03	1,801.99	1,685.99	116.00	15.534	
15,500.00	12,493.04	15,559.96	12,588.04	59.30	60.58	-92.35	2,981.41	-2,573.90	1,801.97	1,683.18	118.79	15.170	
15,600.00	12,493.04	15,659.96	12,588.04	60.66	61.99	-92.35	3,081.40	-2,574.76	1,801.94	1,680.34	121.60	14.819	
15,700.00	12,493.04	15,759.96	12,588.04	62.04	63.42	-92.35	3,181.40	-2,575.63	1,801.92	1,677.48	124.43	14.481	
15,800.00	12,493.04	15,859.96	12,588.04	63.43	64.85	-92.35	3,281.39	-2,576.49	1,801.89	1,674.60	127.29	14.155	
15,900.00	12,493.03	15,959.96	12,588.03	64.84	66.30	-92.35	3,381.39	-2,577.35	1,801.87	1,671.70	130.17	13.842	
16,000.00	12,493.03	16,059.96	12,588.03	66.26	67.76	-92.35	3,481.39	-2,578.22	1,801.85	1,668.77	133.08	13.540	
16,100.00	12,493.03	16,159.96	12,588.03	67.69	69.22	-92.35	3,581.38	-2,579.08	1,801.82	1,665.83	136.00	13.249	
16,200.00	12,493.03	16,259.96	12,588.03	69.13	70.70	-92.35	3,681.38	-2,579.95	1,801.80	1,662.86	138.93	12.969	
16,300.00	12,493.02	16,359.96	12,588.02	70.58	72.18	-92.35	3,781.38	-2,580.81	1,801.77	1,659.88	141.89	12.698	
16,400.00	12,493.02	16,459.96	12,588.02	72.04	73.67	-92.35	3,881.37	-2,581.68	1,801.75	1,656.89	144.86	12.438	
16,500.00	12,493.02	16,559.96	12,588.02	73.51	75.17	-92.35	3,981.37	-2,582.54	1,801.73	1,653.88	147.84	12.187	
16,600.00	12,493.02	16,659.96	12,588.02	74.99	76.67	-92.35	4,081.36	-2,583.41	1,801.70	1,650.86	150.84	11.944	
16,700.00	12,493.01	16,759.96	12,588.01	76.48	78.18	-92.35	4,181.36	-2,584.27	1,801.68	1,647.82	153.86	11.710	
16,800.00	12,493.01	16,859.96	12,588.01	77.97	79.70	-92.35	4,281.36	-2,585.14	1,801.65	1,644.77	156.88	11.484	
16,900.00	12,493.01	16,959.96	12,588.01	79.47	81.22	-92.35	4,381.35	-2,586.00	1,801.63	1,641.71	159.92	11.266	
17,000.00	12,493.01	17,059.96	12,588.01	80.98	82.75	-92.35	4,481.35	-2,586.87	1,801.61	1,638.64	162.96	11.055	
17,100.00	12,493.00	17,159.96	12,588.00	82.49	84.28	-92.35	4,581.35	-2,587.73	1,801.58	1,635.55	166.02	10.852	
17,200.00	12,493.00	17,259.96	12,588.00	84.01	85.81	-92.35	4,681.34	-2,588.60	1,801.56	1,632.47	169.09	10.655	
17,242.10	12,493.00	17,302.06	12,588.00	84.65	86.46	-92.35	4,723.44	-2,588.96	1,801.55	1,631.17	170.38	10.574	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 214H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — 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	21.00	21.00	0.00	0.03	-95.91	-251.00	-2,426.00	2,438.95				
100.00	100.00	121.00	121.00	0.13	0.20	-95.91	-251.00	-2,426.00	2,438.95	2,438.62	0.33	7,395.370	
200.00	200.00	221.00	221.00	0.49	0.56	-95.91	-251.00	-2,426.00	2,438.95	2,437.90	1.05	2,330.050	
300.00	300.00	321.00	321.00	0.84	0.92	-95.91	-251.00	-2,426.00	2,438.95	2,437.19	1.76	1,382.875	
400.00	400.00	421.00	421.00	1.20	1.28	-95.91	-251.00	-2,426.00	2,438.95	2,436.47	2.48	983.200	
500.00	500.00	521.00	521.00	1.56	1.64	-95.91	-251.00	-2,426.00	2,438.95	2,435.75	3.20	762.752	
600.00	600.00	621.00	621.00	1.92	1.99	-95.91	-251.00	-2,426.00	2,438.95	2,435.04	3.91	623.054	
700.00	700.00	721.00	721.00	2.28	2.35	-95.91	-251.00	-2,426.00	2,438.95	2,434.32	4.63	526.606	
800.00	800.00	821.00	821.00	2.64	2.71	-95.91	-251.00	-2,426.00	2,438.95	2,433.60	5.35	456.015	
900.00	899.99	920.99	920.99	2.98	3.07	10.87	-251.00	-2,426.00	2,437.66	2,431.61	6.05	402.640	
1,000.00	999.91	1,057.22	1,057.21	3.33	3.55	10.90	-250.99	-2,425.57	2,433.65	2,426.77	6.88	353.803	
1,100.00	1,099.69	1,100.00	1,278.48	3.67	3.70	10.97	-250.87	-2,415.62	2,422.19	2,414.82	7.36	328.917	
1,200.00	1,199.27	1,471.59	1,470.47	4.03	5.01	11.07	-250.63	-2,397.59	2,403.17	2,394.18	8.99	267.462	
1,300.00	1,298.72	1,569.45	1,567.79	4.39	5.37	11.09	-250.50	-2,387.37	2,382.60	2,372.93	9.67	246.323	
1,400.00	1,398.17	1,667.31	1,665.11	4.76	5.73	11.12	-250.37	-2,377.14	2,362.04	2,351.68	10.36	227.916	
1,500.00	1,497.63	1,765.17	1,762.43	5.13	6.10	11.15	-250.24	-2,366.91	2,341.48	2,330.42	11.06	211.751	
1,600.00	1,597.08	1,863.02	1,859.76	5.51	6.46	11.18	-250.11	-2,356.68	2,320.92	2,309.16	11.75	197.444	
1,700.00	1,696.53	1,960.88	1,957.08	5.89	6.83	11.20	-249.96	-2,346.45	2,300.36	2,287.90	12.45	184.700	
1,800.00	1,795.98	2,058.74	2,054.40	6.27	7.21	11.23	-249.85	-2,336.23	2,279.80	2,266.64	13.16	173.283	
1,900.00	1,895.43	2,156.59	2,151.72	6.65	7.58	11.26	-249.71	-2,326.00	2,259.24	2,245.38	13.86	163.000	
2,000.00	1,994.89	2,254.45	2,249.04	7.04	7.95	11.29	-249.56	-2,315.77	2,238.68	2,224.11	14.57	153.695	
2,100.00	2,094.34	2,352.31	2,346.36	7.42	8.33	11.32	-249.45	-2,305.54	2,218.12	2,202.85	15.27	145.237	
2,200.00	2,193.79	2,450.17	2,443.68	7.81	8.70	11.35	-249.32	-2,295.31	2,197.56	2,181.58	15.98	137.516	
2,300.00	2,293.24	2,548.02	2,541.00	8.20	9.08	11.38	-249.19	-2,285.09	2,177.00	2,160.31	16.69	130.443	
2,400.00	2,392.70	2,645.88	2,638.32	8.59	9.46	11.41	-249.06	-2,274.86	2,156.45	2,139.05	17.40	123.939	
2,500.00	2,492.15	2,743.74	2,735.65	8.97	9.84	11.45	-248.93	-2,264.63	2,135.89	2,117.78	18.11	117.940	
2,600.00	2,591.60	2,841.59	2,832.97	9.36	10.22	11.48	-248.79	-2,254.40	2,115.34	2,096.51	18.82	112.390	
2,700.00	2,691.05	2,939.45	2,930.29	9.75	10.60	11.51	-248.66	-2,244.17	2,094.78	2,075.25	19.53	107.241	
2,800.00	2,790.50	3,037.31	3,027.61	10.15	10.98	11.55	-248.53	-2,233.95	2,074.23	2,053.98	20.25	102.451	
2,900.00	2,889.96	3,135.17	3,124.93	10.54	11.36	11.58	-248.40	-2,223.72	2,053.67	2,032.71	20.96	97.984	
3,000.00	2,989.41	3,233.02	3,222.25	10.93	11.74	11.62	-248.27	-2,213.49	2,033.12	2,011.45	21.67	93.809	
3,100.00	3,088.86	3,330.88	3,319.57	11.32	12.12	11.65	-248.14	-2,203.26	2,012.57	1,990.18	22.39	89.899	
3,200.00	3,188.31	3,428.74	3,416.89	11.71	12.50	11.69	-248.01	-2,193.03	1,992.02	1,968.92	23.10	86.229	
3,300.00	3,287.77	3,526.60	3,514.21	12.11	12.88	11.73	-247.87	-2,182.81	1,971.47	1,947.65	23.82	82.778	
3,400.00	3,387.22	3,624.45	3,611.54	12.50	13.27	11.77	-247.74	-2,172.58	1,950.92	1,926.39	24.53	79.526	
3,500.00	3,486.67	3,722.31	3,708.86	12.89	13.65	11.81	-247.61	-2,162.35	1,930.37	1,905.12	25.25	76.459	
3,600.00	3,586.12	3,820.17	3,806.18	13.28	14.03	11.85	-247.48	-2,152.12	1,909.82	1,883.86	25.96	73.559	
3,700.00	3,685.57	3,918.02	3,903.50	13.68	14.41	11.89	-247.35	-2,141.89	1,889.27	1,862.59	26.68	70.815	
3,800.00	3,785.03	4,015.88	4,000.82	14.07	14.80	11.93	-247.22	-2,131.67	1,868.73	1,841.33	27.40	68.213	
3,900.00	3,884.48	4,113.74	4,098.14	14.47	15.18	11.97	-247.09	-2,121.44	1,848.18	1,820.07	28.11	65.743	
4,000.00	3,983.93	4,211.60	4,195.46	14.86	15.56	12.02	-246.95	-2,111.21	1,827.64	1,798.81	28.83	63.396	
4,100.00	4,083.38	4,309.45	4,292.78	15.25	15.95	12.06	-246.82	-2,100.98	1,807.10	1,777.55	29.55	61.162	
4,200.00	4,182.84	4,407.31	4,390.11	15.65	16.33	12.11	-246.69	-2,090.75	1,786.56	1,756.29	30.26	59.033	
4,300.00	4,282.29	4,505.17	4,487.43	16.04	16.72	12.16	-246.56	-2,080.53	1,766.01	1,735.03	30.98	57.003	
4,400.00	4,381.74	4,603.02	4,584.75	16.44	17.10	12.20	-246.43	-2,070.30	1,745.48	1,713.78	31.70	55.065	
4,500.00	4,481.19	4,700.88	4,682.07	16.83	17.48	12.25	-246.30	-2,060.07	1,724.94	1,692.52	32.42	53.212	
4,600.00	4,580.64	4,798.74	4,779.39	17.23	17.87	12.30	-246.17	-2,049.84	1,704.40	1,671.27	33.13	51.439	
4,700.00	4,680.10	4,903.40	4,876.71	17.62	18.28	12.36	-246.03	-2,039.61	1,683.86	1,649.99	33.88	49.704	
4,800.00	4,779.55	5,005.55	4,974.03	18.02	18.68	12.41	-245.90	-2,029.39	1,663.33	1,628.72	34.61	48.057	
4,900.00	4,879.00	5,107.69	5,071.35	18.41	19.08	12.46	-245.77	-2,019.16	1,642.80	1,607.45	35.35	46.478	
5,000.00	4,978.45	5,209.83	5,168.67	18.81	19.48	12.52	-245.64	-2,008.93	1,622.27	1,586.19	36.08	44.963	
5,100.00	5,077.90	5,288.03	5,266.00	19.20	19.79	12.58	-245.51	-1,998.70	1,601.74	1,565.01	36.73	43.611	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 214H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — **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
5,200.00	5,177.36	5,385.68	5,363.32	19.60	20.18	12.64	-245.38	-1,988.47	1,581.21	1,543.76	37.45	42.226	
5,300.00	5,276.81	5,483.74	5,460.64	19.99	20.42	12.70	-245.24	-1,978.25	1,560.68	1,522.67	38.01	41.056	
5,400.00	5,376.26	5,581.60	5,557.96	20.39	20.50	12.76	-245.11	-1,968.02	1,540.16	1,501.75	38.41	40.097	
5,500.00	5,475.71	5,679.45	5,655.28	20.61	20.56	12.82	-244.98	-1,957.79	1,519.63	1,481.02	38.62	39.353	
5,600.00	5,575.17	5,777.31	5,752.60	20.67	20.62	12.89	-244.85	-1,947.56	1,499.11	1,460.47	38.65	38.789	
5,700.00	5,674.62	5,875.17	5,849.92	20.73	20.70	12.95	-244.72	-1,937.33	1,478.59	1,439.90	38.69	38.213	
5,800.00	5,774.07	5,973.03	5,947.24	20.80	20.78	13.02	-244.59	-1,927.11	1,458.08	1,419.32	38.75	37.626	
5,900.00	5,873.52	6,070.88	6,044.56	20.88	20.87	13.09	-244.46	-1,916.88	1,437.56	1,398.74	38.82	37.027	
6,000.00	5,972.97	6,168.74	6,141.89	20.97	20.96	13.17	-244.32	-1,906.65	1,417.05	1,378.14	38.91	36.418	
6,100.00	6,072.43	6,266.60	6,239.21	21.06	21.06	13.24	-244.19	-1,896.42	1,396.54	1,357.53	39.01	35.800	
6,200.00	6,171.88	6,364.45	6,336.53	21.16	21.17	13.32	-244.06	-1,886.19	1,376.03	1,336.91	39.12	35.173	
6,300.00	6,271.33	6,462.31	6,433.85	21.27	21.29	13.40	-243.93	-1,875.96	1,355.52	1,316.28	39.25	34.538	
6,400.00	6,370.78	6,560.17	6,531.17	21.38	21.41	13.48	-243.80	-1,865.74	1,335.02	1,295.63	39.39	33.897	
6,500.00	6,470.24	6,658.03	6,628.49	21.51	21.53	13.57	-243.67	-1,855.51	1,314.52	1,274.98	39.54	33.248	
6,600.00	6,569.69	6,755.88	6,725.81	21.63	21.67	13.66	-243.54	-1,845.28	1,294.02	1,254.32	39.70	32.595	
6,700.00	6,669.14	6,853.74	6,823.13	21.77	21.81	13.75	-243.40	-1,835.05	1,273.53	1,233.65	39.88	31.937	
6,800.00	6,768.59	6,951.60	6,920.46	21.91	21.95	13.84	-243.27	-1,824.82	1,253.03	1,212.97	40.07	31.275	
6,900.00	6,868.04	7,049.46	7,017.78	22.05	22.10	13.94	-243.14	-1,814.60	1,232.55	1,192.28	40.27	30.610	
7,000.00	6,967.50	7,147.31	7,115.10	22.21	22.26	14.03	-243.01	-1,804.37	1,212.06	1,171.58	40.48	29.942	
7,100.00	7,066.95	7,245.17	7,212.42	22.37	22.42	14.14	-242.88	-1,794.14	1,191.58	1,150.88	40.70	29.274	
7,200.00	7,166.40	7,343.03	7,309.74	22.53	22.59	14.24	-242.75	-1,783.91	1,171.10	1,130.16	40.94	28.604	
7,300.00	7,265.85	7,440.88	7,407.06	22.70	22.76	14.36	-242.62	-1,773.68	1,150.63	1,109.44	41.19	27.935	
7,400.00	7,365.31	7,538.74	7,504.38	22.88	22.94	14.47	-242.48	-1,763.46	1,130.16	1,088.71	41.45	27.266	
7,500.00	7,464.76	7,636.60	7,601.70	23.06	23.12	14.59	-242.35	-1,753.23	1,109.70	1,067.97	41.72	26.598	
7,600.00	7,564.21	7,734.46	7,699.02	23.25	23.31	14.71	-242.22	-1,743.00	1,089.24	1,047.23	42.00	25.932	
7,700.00	7,663.66	7,832.31	7,796.35	23.44	23.50	14.84	-242.09	-1,732.77	1,068.78	1,026.48	42.30	25.269	
7,800.00	7,763.11	7,930.17	7,893.67	23.63	23.70	14.97	-241.96	-1,722.54	1,048.33	1,005.73	42.60	24.609	
7,900.00	7,862.57	8,028.03	7,990.99	23.84	23.90	15.11	-241.83	-1,712.32	1,027.89	984.97	42.91	23.953	
8,000.00	7,962.02	8,125.88	8,088.31	24.04	24.11	15.25	-241.70	-1,702.09	1,007.45	964.21	43.24	23.301	
8,100.00	8,061.47	8,223.74	8,185.63	24.26	24.32	15.40	-241.56	-1,691.86	987.02	943.45	43.57	22.653	
8,200.00	8,160.92	8,321.60	8,282.95	24.47	24.54	15.56	-241.43	-1,681.63	966.59	922.68	43.91	22.011	
8,263.15	8,223.73	8,383.40	8,344.41	24.61	24.68	15.66	-241.35	-1,675.17	953.70	909.56	44.14	21.608	
8,300.00	8,260.39	8,419.49	8,380.31	24.69	24.76	15.69	-241.30	-1,671.40	946.34	902.07	44.27	21.378	
8,400.00	8,360.05	8,503.20	8,463.60	24.90	24.94	15.73	-241.19	-1,663.12	928.66	884.03	44.64	20.804	
8,500.00	8,459.90	8,583.04	8,543.20	25.09	25.11	15.75	-241.11	-1,656.85	915.47	870.47	45.01	20.340	
8,600.00	8,559.85	8,663.48	8,623.50	25.27	25.28	15.75	-241.05	-1,652.23	906.88	861.51	45.37	19.989	
8,663.15	8,623.00	8,714.47	8,674.45	25.38	25.37	-91.02	-241.03	-1,650.17	903.82	858.24	45.59	19.827	
8,700.00	8,659.85	8,744.26	8,704.23	25.43	25.43	-91.02	-241.02	-1,649.28	902.73	857.02	45.71	19.749	
8,800.00	8,759.85	8,825.15	8,785.10	25.59	25.57	-91.02	-241.00	-1,648.04	901.19	855.16	46.04	19.575	
8,842.90	8,802.75	8,863.79	8,823.75	25.66	25.64	-91.02	-241.00	-1,648.00	901.14	854.96	46.18	19.512	
8,900.00	8,859.85	8,920.89	8,880.85	25.75	25.73	-91.02	-241.00	-1,648.00	901.14	854.75	46.39	19.427	
9,000.00	8,959.85	9,020.89	8,980.85	25.91	25.90	-91.02	-241.00	-1,648.00	901.14	854.39	46.75	19.276	
9,100.00	9,059.85	9,120.89	9,080.85	26.08	26.07	-91.02	-241.00	-1,648.00	901.14	854.02	47.12	19.124	
9,200.00	9,159.85	9,220.89	9,180.85	26.25	26.25	-91.02	-241.00	-1,648.00	901.14	853.64	47.50	18.972	
9,300.00	9,259.85	9,320.89	9,280.85	26.43	26.42	-91.02	-241.00	-1,648.00	901.14	853.26	47.89	18.819	
9,400.00	9,359.85	9,420.89	9,380.85	26.61	26.61	-91.02	-241.00	-1,648.00	901.14	852.86	48.28	18.665	
9,500.00	9,459.85	9,520.89	9,480.85	26.79	26.79	-91.02	-241.00	-1,648.00	901.14	852.46	48.68	18.511	
9,600.00	9,559.85	9,620.89	9,580.85	26.97	26.98	-91.02	-241.00	-1,648.00	901.14	852.05	49.09	18.357	
9,700.00	9,659.85	9,720.89	9,680.85	27.16	27.17	-91.02	-241.00	-1,648.00	901.14	851.64	49.51	18.203	
9,800.00	9,759.85	9,820.89	9,780.85	27.36	27.37	-91.02	-241.00	-1,648.00	901.14	851.21	49.93	18.049	
9,900.00	9,859.85	9,920.89	9,880.85	27.55	27.57	-91.02	-241.00	-1,648.00	901.14	850.79	50.36	17.895	
10,000.00	9,959.85	10,020.89	9,980.85	27.75	27.77	-91.02	-241.00	-1,648.00	901.14	850.35	50.79	17.742	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 214H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — 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	10,059.85	10,120.89	10,080.85	27.95	27.98	-91.02	-241.00	-1,648.00	901.14	849.91	51.23	17.589	
10,200.00	10,159.85	10,220.89	10,180.85	28.16	28.19	-91.02	-241.00	-1,648.00	901.14	849.46	51.68	17.436	
10,300.00	10,259.85	10,320.89	10,280.85	28.37	28.40	-91.02	-241.00	-1,648.00	901.14	849.01	52.14	17.284	
10,400.00	10,359.85	10,420.89	10,380.85	28.58	28.61	-91.02	-241.00	-1,648.00	901.14	848.55	52.60	17.133	
10,500.00	10,459.85	10,520.89	10,480.85	28.80	28.83	-91.02	-241.00	-1,648.00	901.14	848.08	53.06	16.983	
10,600.00	10,559.85	10,620.89	10,580.85	29.01	29.05	-91.02	-241.00	-1,648.00	901.14	847.61	53.53	16.833	
10,700.00	10,659.85	10,720.89	10,680.85	29.23	29.27	-91.02	-241.00	-1,648.00	901.14	847.13	54.01	16.685	
10,800.00	10,759.85	10,820.89	10,780.85	29.46	29.50	-91.02	-241.00	-1,648.00	901.14	846.65	54.49	16.537	
10,900.00	10,859.85	10,920.89	10,880.85	29.68	29.73	-91.02	-241.00	-1,648.00	901.14	846.16	54.98	16.391	
11,000.00	10,959.85	11,020.89	10,980.85	29.91	29.96	-91.02	-241.00	-1,648.00	901.14	845.67	55.47	16.245	
11,100.00	11,059.85	11,120.89	11,080.85	30.14	30.19	-91.02	-241.00	-1,648.00	901.14	845.17	55.97	16.101	
11,200.00	11,159.85	11,220.89	11,180.85	30.38	30.43	-91.02	-241.00	-1,648.00	901.14	844.67	56.47	15.958	
11,300.00	11,259.85	11,320.89	11,280.85	30.61	30.67	-91.02	-241.00	-1,648.00	901.14	844.17	56.98	15.816	
11,400.00	11,359.85	11,420.89	11,380.85	30.85	30.91	-91.02	-241.00	-1,648.00	901.14	843.66	57.49	15.676	
11,500.00	11,459.85	11,520.89	11,480.85	31.09	31.15	-91.02	-241.00	-1,648.00	901.14	843.14	58.00	15.537	
11,600.00	11,559.85	11,620.89	11,580.85	31.33	31.39	-91.02	-241.00	-1,648.00	901.14	842.62	58.52	15.399	
11,700.00	11,659.85	11,720.89	11,680.85	31.58	31.64	-91.02	-241.00	-1,648.00	901.14	842.10	59.04	15.262	
11,800.00	11,759.85	11,820.89	11,780.85	31.82	31.89	-91.02	-241.00	-1,648.00	901.14	841.57	59.57	15.127	
11,900.00	11,859.85	11,920.89	11,880.85	32.07	32.14	-91.02	-241.00	-1,648.00	901.14	841.04	60.10	14.993	
11,950.15	11,910.00	11,971.05	11,931.00	32.20	32.27	-91.02	-241.00	-1,648.00	901.14	840.77	60.37	14.927	CC
12,000.00	11,959.78	12,020.83	11,980.78	32.32	32.39	-90.85	-241.00	-1,648.00	901.17	840.54	60.63	14.863	
12,050.00	12,009.34	12,070.39	12,030.34	32.44	32.52	-91.25	-241.00	-1,648.00	901.29	840.41	60.88	14.804	
12,100.00	12,058.14	12,119.19	12,079.14	32.55	32.65	-91.89	-241.00	-1,648.00	901.60	840.48	61.12	14.752	
12,150.00	12,105.82	12,166.86	12,126.82	32.65	32.77	-92.73	-241.00	-1,648.00	902.23	840.89	61.35	14.707	
12,200.00	12,152.00	12,217.89	12,177.80	32.74	32.90	-93.77	-239.40	-1,648.01	903.30	841.72	61.58	14.669	
12,250.00	12,196.35	12,271.56	12,231.06	32.82	33.04	-94.82	-232.89	-1,648.04	904.70	842.88	61.82	14.634	
12,300.00	12,238.51	12,327.33	12,285.50	32.89	33.18	-95.86	-220.88	-1,648.09	906.39	844.33	62.06	14.604	
12,350.00	12,278.17	12,385.38	12,340.64	32.96	33.32	-96.88	-202.83	-1,648.17	908.32	846.02	62.30	14.579	
12,400.00	12,315.03	12,445.85	12,395.84	33.02	33.47	-97.86	-178.19	-1,648.27	910.44	847.90	62.54	14.558	
12,450.00	12,348.81	12,508.88	12,450.26	33.07	33.61	-98.81	-146.47	-1,648.41	912.67	849.90	62.77	14.539	
12,500.00	12,379.25	12,574.53	12,502.90	33.12	33.75	-99.70	-107.29	-1,648.58	914.92	851.92	63.00	14.521	
12,550.00	12,406.12	12,642.81	12,552.51	33.17	33.90	-100.51	-60.43	-1,648.79	917.10	853.86	63.24	14.502	
12,600.00	12,429.21	12,713.62	12,597.69	33.22	34.05	-101.23	-5.97	-1,649.03	919.10	855.61	63.49	14.476	
12,650.00	12,448.35	12,786.74	12,636.94	33.27	34.22	-101.84	55.67	-1,649.29	920.82	857.05	63.77	14.439	
12,700.00	12,463.40	12,861.83	12,668.74	33.34	34.41	-102.31	123.63	-1,649.59	922.17	858.08	64.10	14.387	
12,750.15	12,474.25	12,938.64	12,691.80	38.63	34.62	-102.62	196.83	-1,649.91	923.08	858.61	64.47	14.319	
12,775.15	12,478.59	12,977.31	12,699.64	38.66	34.75	-102.69	234.69	-1,650.06	923.22	858.58	64.64	14.283	
12,779.17	12,479.28	12,980.53	12,700.21	38.66	35.72	-102.69	237.86	-1,650.09	923.22	858.57	64.65	14.280	
12,800.00	12,482.59	13,001.65	12,703.87	38.68	39.71	-102.71	258.66	-1,650.18	923.26	858.49	64.77	14.255	
12,850.00	12,488.69	13,063.34	12,712.51	38.72	39.79	-102.76	319.73	-1,650.50	923.41	858.36	65.06	14.194	
12,900.00	12,492.19	13,125.08	12,717.20	38.76	39.88	-102.77	381.28	-1,650.92	923.45	858.05	65.40	14.119	
12,941.88	12,493.11	13,174.89	12,718.11	38.82	39.96	-102.76	431.08	-1,651.34	923.40	857.67	65.73	14.048	
13,000.00	12,493.10	13,233.01	12,718.11	38.89	40.06	-102.76	489.19	-1,651.84	923.40	857.19	66.20	13.948	
13,100.00	12,493.10	13,333.01	12,718.10	39.03	40.26	-102.76	589.19	-1,652.72	923.38	856.26	67.12	13.757	
13,200.00	12,493.10	13,433.01	12,718.10	39.20	40.49	-102.76	689.19	-1,653.59	923.37	855.19	68.18	13.542	
13,300.00	12,493.10	13,533.01	12,718.10	39.39	40.77	-102.76	789.18	-1,654.47	923.36	853.98	69.38	13.308	
13,400.00	12,493.09	13,633.01	12,718.10	39.63	41.10	-102.76	889.18	-1,655.34	923.34	852.63	70.71	13.058	
13,500.00	12,493.09	13,733.01	12,718.09	39.91	41.50	-102.76	989.18	-1,656.22	923.33	851.17	72.16	12.796	
13,600.00	12,493.09	13,833.01	12,718.09	40.26	41.96	-102.76	1,089.17	-1,657.10	923.32	849.59	73.73	12.524	
13,700.00	12,493.09	13,933.01	12,718.09	40.67	42.51	-102.76	1,189.17	-1,657.97	923.30	847.90	75.40	12.245	
13,800.00	12,493.08	14,033.01	12,718.09	41.17	43.15	-102.76	1,289.16	-1,658.85	923.29	846.12	77.17	11.964	
13,900.00	12,493.08	14,133.01	12,718.08	41.76	43.86	-102.77	1,389.16	-1,659.72	923.28	844.23	79.04	11.680	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 214H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — 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	12,493.08	14,233.01	12,718.08	42.43	44.66	-102.77	1,489.16	-1,660.60	923.27	842.26	81.00	11.398	
14,100.00	12,493.08	14,333.01	12,718.08	43.20	45.53	-102.77	1,589.15	-1,661.47	923.25	840.21	83.04	11.118	
14,200.00	12,493.07	14,433.01	12,718.08	44.04	46.46	-102.77	1,689.15	-1,662.35	923.24	838.08	85.16	10.842	
14,300.00	12,493.07	14,533.01	12,718.07	44.96	47.45	-102.77	1,789.14	-1,663.22	923.23	835.88	87.34	10.570	
14,400.00	12,493.07	14,633.01	12,718.07	45.94	48.50	-102.77	1,889.14	-1,664.10	923.21	833.62	89.59	10.305	
14,500.00	12,493.07	14,733.01	12,718.07	46.97	49.59	-102.77	1,989.14	-1,664.97	923.20	831.30	91.90	10.045	
14,600.00	12,493.06	14,833.01	12,718.07	48.06	50.72	-102.77	2,089.13	-1,665.85	923.19	828.92	94.27	9.793	
14,700.00	12,493.06	14,933.01	12,718.06	49.19	51.88	-102.77	2,189.13	-1,666.72	923.17	826.49	96.69	9.548	
14,800.00	12,493.06	15,033.01	12,718.06	50.35	53.08	-102.77	2,289.13	-1,667.60	923.16	824.01	99.15	9.310	
14,900.00	12,493.06	15,133.01	12,718.06	51.55	54.31	-102.77	2,389.12	-1,668.47	923.15	821.48	101.66	9.080	
15,000.00	12,493.06	15,233.01	12,718.06	52.78	55.57	-102.77	2,489.12	-1,669.35	923.13	818.92	104.22	8.858	
15,100.00	12,493.05	15,333.01	12,718.05	54.04	56.85	-102.77	2,589.11	-1,670.23	923.12	816.31	106.81	8.643	
15,200.00	12,493.05	15,433.01	12,718.05	55.33	58.15	-102.77	2,689.11	-1,671.10	923.11	813.67	109.43	8.435	
15,300.00	12,493.05	15,533.01	12,718.05	56.63	59.47	-102.77	2,789.11	-1,671.98	923.09	811.00	112.09	8.235	
15,400.00	12,493.05	15,633.01	12,718.05	57.96	60.82	-102.77	2,889.10	-1,672.85	923.08	808.30	114.78	8.042	
15,500.00	12,493.04	15,733.01	12,718.04	59.30	62.17	-102.77	2,989.10	-1,673.73	923.07	805.57	117.50	7.856	
15,600.00	12,493.04	15,833.01	12,718.04	60.66	63.55	-102.77	3,089.10	-1,674.60	923.06	802.81	120.25	7.676	
15,700.00	12,493.04	15,933.01	12,718.04	62.04	64.93	-102.77	3,189.09	-1,675.48	923.04	800.03	123.02	7.503	
15,800.00	12,493.04	16,033.01	12,718.04	63.43	66.34	-102.77	3,289.09	-1,676.35	923.03	797.22	125.81	7.337	
15,900.00	12,493.03	16,133.01	12,718.03	64.84	67.75	-102.77	3,389.08	-1,677.23	923.02	794.39	128.62	7.176	
16,000.00	12,493.03	16,233.01	12,718.03	66.26	69.18	-102.77	3,489.08	-1,678.10	923.00	791.54	131.46	7.021	
16,100.00	12,493.03	16,333.01	12,718.03	67.69	70.61	-102.77	3,589.08	-1,678.98	922.99	788.68	134.31	6.872	
16,200.00	12,493.03	16,433.01	12,718.03	69.13	72.06	-102.77	3,689.07	-1,679.85	922.98	785.79	137.19	6.728	
16,300.00	12,493.02	16,533.01	12,718.02	70.58	73.52	-102.77	3,789.07	-1,680.73	922.96	782.89	140.07	6.589	
16,400.00	12,493.02	16,633.01	12,718.02	72.04	74.98	-102.77	3,889.06	-1,681.60	922.95	779.97	142.98	6.455	
16,500.00	12,493.02	16,733.01	12,718.02	73.51	76.46	-102.77	3,989.05	-1,682.48	922.94	777.04	145.90	6.326	
16,600.00	12,493.02	16,833.01	12,718.02	74.99	77.94	-102.77	4,089.05	-1,683.35	922.92	774.09	148.83	6.201	
16,700.00	12,493.01	16,933.01	12,718.01	76.48	79.43	-102.77	4,189.05	-1,684.23	922.91	771.13	151.78	6.081	
16,800.00	12,493.01	17,033.01	12,718.01	77.97	80.92	-102.77	4,289.05	-1,685.11	922.90	768.16	154.74	5.964	
16,900.00	12,493.01	17,133.01	12,718.01	79.47	82.42	-102.77	4,389.05	-1,685.98	922.88	765.18	157.71	5.852	
17,000.00	12,493.01	17,233.01	12,718.01	80.98	83.93	-102.77	4,489.04	-1,686.86	922.87	762.18	160.69	5.743	
17,100.00	12,493.00	17,333.01	12,718.00	82.49	85.45	-102.77	4,589.04	-1,687.73	922.86	759.18	163.68	5.638	
17,200.00	12,493.00	17,433.01	12,718.00	84.01	86.97	-102.77	4,689.03	-1,688.61	922.85	756.16	166.68	5.536	
17,242.10	12,493.00	17,475.11	12,718.00	84.65	87.61	-102.77	4,731.13	-1,688.97	922.84	754.89	167.95	5.495	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 217H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13004-MWD - OWSG — 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	21.00	21.00	0.00	0.03	-95.86	-252.00	-2,456.00	2,468.89				
100.00	100.00	121.00	121.00	0.13	0.20	-95.86	-252.00	-2,456.00	2,468.89	2,468.56	0.33	7,486.168	
200.00	200.00	221.00	221.00	0.49	0.56	-95.86	-252.00	-2,456.00	2,468.89	2,467.85	1.05	2,358.657	
300.00	300.00	321.00	321.00	0.84	0.92	-95.86	-252.00	-2,456.00	2,468.89	2,467.13	1.76	1,399.854	
400.00	400.00	421.00	421.00	1.20	1.28	-95.86	-252.00	-2,456.00	2,468.89	2,466.41	2.48	995.272	
500.00	500.00	521.00	521.00	1.56	1.64	-95.86	-252.00	-2,456.00	2,468.89	2,465.70	3.20	772.117	
507.81	507.81	528.81	528.81	1.59	1.66	-95.86	-252.00	-2,456.00	2,468.89	2,465.64	3.25	758.836	CC
600.00	600.00	600.00	600.00	1.92	1.92	-95.86	-252.00	-2,456.00	2,468.98	2,465.14	3.84	643.081	ES
700.00	700.00	673.67	673.66	2.28	2.18	-95.86	-251.99	-2,456.71	2,470.05	2,465.60	4.46	554.367	
800.00	800.00	734.51	734.49	2.64	2.39	-95.85	-251.98	-2,458.37	2,472.76	2,467.74	5.02	492.125	
900.00	899.99	800.00	799.91	2.98	2.62	10.91	-251.95	-2,461.23	2,475.77	2,470.18	5.60	442.489	
1,000.00	999.91	856.11	855.92	3.33	2.82	10.93	-251.91	-2,464.58	2,477.78	2,471.65	6.13	404.493	
1,100.00	1,099.69	916.89	916.53	3.67	3.03	10.95	-251.87	-2,469.14	2,478.81	2,472.14	6.68	371.322	
1,200.00	1,199.27	977.66	977.04	4.03	3.25	10.99	-251.81	-2,474.65	2,478.85	2,471.62	7.23	342.900	
1,233.52	1,232.61	1,000.00	999.27	4.15	3.33	11.01	-251.79	-2,476.92	2,478.79	2,471.37	7.42	333.946	
1,300.00	1,298.72	1,038.41	1,037.45	4.39	3.48	11.04	-251.75	-2,481.13	2,479.19	2,471.41	7.79	318.448	
1,400.00	1,398.17	1,101.42	1,097.17	4.76	3.71	11.08	-251.67	-2,488.49	2,481.12	2,472.77	8.35	297.111	
1,500.00	1,497.63	1,201.52	1,196.21	5.13	4.09	11.16	-251.54	-2,501.53	2,483.86	2,474.80	9.06	274.066	
1,600.00	1,597.08	1,301.61	1,295.26	5.51	4.48	11.24	-251.41	-2,514.57	2,486.61	2,476.83	9.78	254.281	
1,700.00	1,696.53	1,401.71	1,394.31	5.89	4.88	11.32	-251.28	-2,527.61	2,489.36	2,478.86	10.50	237.122	
1,800.00	1,795.98	1,498.19	1,493.36	6.27	5.26	11.40	-251.15	-2,540.65	2,492.11	2,480.91	11.21	222.373	
1,900.00	1,895.43	1,601.90	1,592.41	6.65	5.67	11.48	-251.02	-2,553.69	2,494.87	2,482.93	11.94	208.884	
2,000.00	1,994.89	1,702.00	1,691.46	7.04	6.07	11.55	-250.88	-2,566.73	2,497.64	2,484.97	12.67	197.139	
2,100.00	2,094.34	1,802.09	1,790.51	7.42	6.48	11.63	-250.75	-2,579.77	2,500.41	2,487.01	13.40	186.647	
2,200.00	2,193.79	1,902.19	1,889.56	7.81	6.88	11.71	-250.62	-2,592.81	2,503.18	2,489.06	14.12	177.221	
2,300.00	2,293.24	2,002.29	1,988.61	8.20	7.29	11.79	-250.49	-2,605.85	2,505.96	2,491.11	14.85	168.707	
2,400.00	2,392.70	2,102.38	2,087.66	8.59	7.70	11.86	-250.36	-2,618.89	2,508.75	2,493.16	15.58	160.980	
2,500.00	2,492.15	2,202.48	2,186.70	8.97	8.11	11.94	-250.23	-2,631.92	2,511.53	2,495.22	16.32	153.939	
2,600.00	2,591.60	2,302.58	2,285.75	9.36	8.52	12.02	-250.10	-2,644.96	2,514.33	2,497.28	17.05	147.495	
2,700.00	2,691.05	2,402.67	2,384.80	9.75	8.93	12.10	-249.96	-2,658.00	2,517.12	2,499.34	17.78	141.578	
2,800.00	2,790.50	2,502.77	2,483.85	10.15	9.34	12.17	-249.83	-2,671.04	2,519.93	2,501.41	18.51	136.124	
2,900.00	2,889.96	2,602.86	2,582.90	10.54	9.75	12.25	-249.70	-2,684.08	2,522.73	2,503.49	19.25	131.083	
3,000.00	2,989.41	2,702.96	2,681.95	10.93	10.16	12.33	-249.57	-2,697.12	2,525.54	2,505.56	19.98	126.410	
3,100.00	3,088.86	2,803.06	2,781.00	11.32	10.57	12.40	-249.44	-2,710.16	2,528.36	2,507.64	20.71	122.065	
3,200.00	3,188.31	2,903.15	2,880.05	11.71	10.98	12.48	-249.31	-2,723.20	2,531.18	2,509.73	21.45	118.017	
3,300.00	3,287.77	3,003.25	2,979.10	12.11	11.40	12.55	-249.18	-2,736.24	2,534.00	2,511.82	22.18	114.234	
3,400.00	3,387.22	3,103.35	3,078.15	12.50	11.81	12.63	-249.04	-2,749.28	2,536.83	2,513.91	22.92	110.694	
3,500.00	3,486.67	3,203.44	3,177.19	12.89	12.22	12.71	-248.91	-2,762.32	2,539.66	2,516.01	23.65	107.372	
3,600.00	3,586.12	3,303.54	3,276.24	13.28	12.63	12.78	-248.78	-2,775.36	2,542.50	2,518.11	24.39	104.249	
3,700.00	3,685.57	3,403.63	3,375.29	13.68	13.05	12.86	-248.65	-2,788.40	2,545.34	2,520.22	25.12	101.309	
3,800.00	3,785.03	3,503.73	3,474.34	14.07	13.46	12.93	-248.52	-2,801.44	2,548.19	2,522.33	25.86	98.535	
3,900.00	3,884.48	3,603.83	3,573.39	14.47	13.88	13.01	-248.39	-2,814.48	2,551.04	2,524.44	26.60	95.915	
4,000.00	3,983.93	3,703.92	3,672.44	14.86	14.29	13.08	-248.25	-2,827.52	2,553.89	2,526.56	27.33	93.435	
4,100.00	4,083.38	3,795.98	3,771.49	15.25	14.67	13.16	-248.12	-2,840.55	2,556.75	2,528.71	28.04	91.181	
4,200.00	4,182.84	3,904.12	3,870.54	15.65	15.12	13.23	-247.99	-2,853.59	2,559.62	2,530.81	28.81	88.854	
4,300.00	4,282.29	3,995.79	3,969.59	16.04	15.50	13.30	-247.86	-2,866.63	2,562.49	2,532.97	29.51	86.826	
4,400.00	4,381.74	4,104.31	4,068.64	16.44	15.95	13.38	-247.73	-2,879.67	2,565.36	2,535.08	30.28	84.718	
4,500.00	4,481.19	4,204.41	4,167.69	16.83	16.36	13.45	-247.60	-2,892.71	2,568.23	2,537.22	31.02	82.797	
4,600.00	4,580.64	4,304.50	4,266.73	17.23	16.78	13.53	-247.47	-2,905.75	2,571.12	2,539.36	31.76	80.965	
4,700.00	4,680.10	4,404.60	4,365.78	17.62	17.19	13.60	-247.33	-2,918.79	2,574.00	2,541.51	32.49	79.216	
4,800.00	4,779.55	4,504.69	4,464.83	18.02	17.61	13.67	-247.20	-2,931.83	2,576.89	2,543.66	33.23	77.544	
4,900.00	4,879.00	4,604.79	4,563.88	18.41	18.02	13.75	-247.07	-2,944.87	2,579.78	2,545.81	33.97	75.945	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 217H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13004-MWD - OWSG — 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	4,978.45	4,704.89	4,662.93	18.81	18.44	13.82	-246.94	-2,957.91	2,582.68	2,547.97	34.71	74.413	
5,100.00	5,077.90	4,795.02	4,761.98	19.20	18.81	13.89	-246.81	-2,970.95	2,585.58	2,550.17	35.41	73.022	
5,200.00	5,177.36	4,905.08	4,861.03	19.60	19.27	13.96	-246.68	-2,983.99	2,588.49	2,552.31	35.18	71.538	
5,300.00	5,276.81	5,005.18	4,960.08	19.99	19.68	14.04	-246.55	-2,997.03	2,591.40	2,554.48	36.92	70.186	
5,400.00	5,376.26	5,105.27	5,059.13	20.39	20.10	14.11	-246.41	-3,010.07	2,594.31	2,556.65	37.66	68.887	
5,500.00	5,475.71	5,205.37	5,158.18	20.61	20.51	14.18	-246.28	-3,023.11	2,597.23	2,559.02	38.22	67.961	
5,600.00	5,575.17	5,305.46	5,257.22	20.67	20.93	14.25	-246.15	-3,036.15	2,600.15	2,561.56	38.60	67.366	
5,700.00	5,674.62	5,405.56	5,356.27	20.73	21.33	14.33	-246.02	-3,049.19	2,603.08	2,564.11	38.98	66.788	
5,800.00	5,774.07	5,494.34	5,455.32	20.80	21.55	14.40	-245.89	-3,062.22	2,606.01	2,566.85	39.17	66.539	
5,900.00	5,873.52	5,605.75	5,554.37	20.88	21.65	14.47	-245.76	-3,075.26	2,608.95	2,569.73	39.22	66.528	
6,000.00	5,972.97	5,694.15	5,653.42	20.97	21.74	14.54	-245.63	-3,088.30	2,611.89	2,572.62	39.27	66.516	
6,100.00	6,072.43	5,805.95	5,752.47	21.06	21.85	14.61	-245.49	-3,101.34	2,614.83	2,575.49	39.34	66.473	
6,200.00	6,171.88	5,906.04	5,851.52	21.16	21.95	14.68	-245.36	-3,114.38	2,617.78	2,578.36	39.42	66.411	
6,300.00	6,271.33	5,993.86	5,950.57	21.27	22.05	14.75	-245.23	-3,127.42	2,620.73	2,581.22	39.51	66.334	
6,400.00	6,370.78	6,106.23	6,049.62	21.38	22.19	14.83	-245.10	-3,140.46	2,623.68	2,584.06	39.62	66.219	
6,500.00	6,470.24	6,206.33	6,148.67	21.51	22.32	14.90	-244.97	-3,153.50	2,626.64	2,586.90	39.74	66.090	
6,600.00	6,569.69	6,293.57	6,247.72	21.63	22.44	14.97	-244.84	-3,166.54	2,629.61	2,589.73	39.87	65.952	
6,700.00	6,669.14	6,406.52	6,346.76	21.77	22.60	15.04	-244.71	-3,179.58	2,632.57	2,592.55	40.03	65.769	
6,800.00	6,768.59	6,493.38	6,445.81	21.91	22.73	15.11	-244.57	-3,192.62	2,635.54	2,595.36	40.18	65.593	
6,900.00	6,868.04	6,606.72	6,544.86	22.05	22.90	15.18	-244.44	-3,205.66	2,638.52	2,598.15	40.36	65.368	
7,000.00	6,967.50	6,706.81	6,643.91	22.21	23.07	15.25	-244.31	-3,218.70	2,641.50	2,600.95	40.55	65.139	
7,100.00	7,066.95	6,806.91	6,742.96	22.37	23.24	15.32	-244.18	-3,231.74	2,644.48	2,603.73	40.75	64.892	
7,200.00	7,166.40	6,907.00	6,842.01	22.53	23.41	15.39	-244.05	-3,244.78	2,647.47	2,606.50	40.96	64.628	
7,300.00	7,265.85	6,992.90	6,941.06	22.70	23.57	15.46	-243.92	-3,257.82	2,650.46	2,609.28	41.18	64.370	
7,400.00	7,365.31	7,107.20	7,040.11	22.88	23.78	15.53	-243.79	-3,270.85	2,653.45	2,612.03	41.43	64.051	
7,500.00	7,464.76	7,207.29	7,139.16	23.06	23.97	15.59	-243.65	-3,283.89	2,656.45	2,614.78	41.68	63.741	
7,600.00	7,564.21	7,307.39	7,238.21	23.25	24.17	15.66	-243.52	-3,296.93	2,659.45	2,617.52	41.94	63.416	
7,700.00	7,663.66	7,407.49	7,337.25	23.44	24.38	15.73	-243.39	-3,309.97	2,662.46	2,620.25	42.21	63.079	
7,800.00	7,763.11	7,507.58	7,436.30	23.63	24.59	15.80	-243.26	-3,323.01	2,665.47	2,622.98	42.49	62.729	
7,900.00	7,862.57	7,592.32	7,535.35	23.84	24.77	15.87	-243.13	-3,336.05	2,668.48	2,625.72	42.76	62.399	
8,000.00	7,962.02	7,707.77	7,634.40	24.04	25.02	15.94	-243.00	-3,349.09	2,671.50	2,628.41	43.09	61.997	
8,100.00	8,061.47	7,807.87	7,733.45	24.26	25.24	16.01	-242.87	-3,362.13	2,674.52	2,631.12	43.41	61.615	
8,200.00	8,160.92	7,907.97	7,832.50	24.47	25.47	16.07	-242.73	-3,375.17	2,677.55	2,633.82	43.73	61.225	
8,263.15	8,223.73	7,955.12	7,895.05	24.61	25.58	16.12	-242.65	-3,383.40	2,679.46	2,635.54	43.92	61.009	
8,300.00	8,260.39	7,991.93	7,931.54	24.69	25.67	16.15	-242.60	-3,388.21	2,680.75	2,636.71	44.04	60.867	
8,400.00	8,360.05	8,108.24	8,030.52	24.90	25.95	16.22	-242.47	-3,401.24	2,685.96	2,641.55	44.41	60.479	
8,500.00	8,459.90	8,191.44	8,129.35	25.09	26.15	16.29	-242.34	-3,414.25	2,693.69	2,648.95	44.73	60.220	
8,600.00	8,559.85	8,511.20	8,447.68	25.27	26.84	16.39	-242.05	-3,443.35	2,700.19	2,654.73	45.46	59.398	
8,663.15	8,623.00	8,663.15	8,608.76	25.38	27.10	-90.36	-242.00	-3,447.64	2,700.93	2,655.15	45.78	59.002	
8,700.00	8,659.85	8,744.44	8,680.85	25.43	27.23	-90.36	-242.00	-3,448.00	2,701.05	2,655.10	45.95	58.782	
8,800.00	8,759.85	8,844.44	8,780.85	25.59	27.38	-90.36	-242.00	-3,448.00	2,701.05	2,654.76	46.29	58.345	
8,900.00	8,859.85	8,944.44	8,880.85	25.75	27.53	-90.36	-242.00	-3,448.00	2,701.05	2,654.41	46.65	57.903	
9,000.00	8,959.85	9,044.44	8,980.85	25.91	27.69	-90.36	-242.00	-3,448.00	2,701.05	2,654.04	47.01	57.457	
9,100.00	9,059.85	9,144.44	9,080.85	26.08	27.85	-90.36	-242.00	-3,448.00	2,701.05	2,653.67	47.38	57.009	
9,200.00	9,159.85	9,244.44	9,180.85	26.25	28.02	-90.36	-242.00	-3,448.00	2,701.05	2,653.30	47.76	56.558	
9,300.00	9,259.85	9,344.44	9,280.85	26.43	28.18	-90.36	-242.00	-3,448.00	2,701.05	2,652.91	48.14	56.106	
9,400.00	9,359.85	9,444.44	9,380.85	26.61	28.36	-90.36	-242.00	-3,448.00	2,701.05	2,652.52	48.54	55.652	
9,500.00	9,459.85	9,544.44	9,480.85	26.79	28.53	-90.36	-242.00	-3,448.00	2,701.05	2,652.12	48.94	55.196	
9,600.00	9,559.85	9,644.44	9,580.85	26.97	28.71	-90.36	-242.00	-3,448.00	2,701.05	2,651.71	49.34	54.741	
9,700.00	9,659.85	9,744.44	9,680.85	27.16	28.89	-90.36	-242.00	-3,448.00	2,701.05	2,651.30	49.76	54.285	
9,800.00	9,759.85	9,844.44	9,780.85	27.36	29.08	-90.36	-242.00	-3,448.00	2,701.05	2,650.88	50.18	53.829	
9,900.00	9,859.85	9,944.44	9,880.85	27.55	29.27	-90.36	-242.00	-3,448.00	2,701.05	2,650.45	50.61	53.374	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 217H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13004-MWD - OWSG — 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	9,959.85	10,044.44	9,980.85	27.75	29.46	-90.36	-242.00	-3,448.00	2,701.05	2,650.01	51.04	52.920	
10,100.00	10,059.85	10,144.44	10,080.85	27.95	29.66	-90.36	-242.00	-3,448.00	2,701.05	2,649.57	51.48	52.467	
10,200.00	10,159.85	10,244.44	10,180.85	28.16	29.85	-90.36	-242.00	-3,448.00	2,701.05	2,649.13	51.93	52.016	
10,300.00	10,259.85	10,344.44	10,280.85	28.37	30.06	-90.36	-242.00	-3,448.00	2,701.05	2,648.67	52.38	51.566	
10,400.00	10,359.85	10,444.44	10,380.85	28.58	30.26	-90.36	-242.00	-3,448.00	2,701.05	2,648.21	52.84	51.118	
10,500.00	10,459.85	10,544.44	10,480.85	28.80	30.47	-90.36	-242.00	-3,448.00	2,701.05	2,647.75	53.30	50.673	
10,600.00	10,559.85	10,644.44	10,580.85	29.01	30.68	-90.36	-242.00	-3,448.00	2,701.05	2,647.28	53.77	50.230	
10,700.00	10,659.85	10,744.44	10,680.85	29.23	30.89	-90.36	-242.00	-3,448.00	2,701.05	2,646.80	54.25	49.790	
10,800.00	10,759.85	10,844.44	10,780.85	29.46	31.10	-90.36	-242.00	-3,448.00	2,701.05	2,646.32	54.73	49.353	
10,900.00	10,859.85	10,944.44	10,880.85	29.68	31.32	-90.36	-242.00	-3,448.00	2,701.05	2,645.84	55.21	48.919	
11,000.00	10,959.85	11,044.44	10,980.85	29.91	31.54	-90.36	-242.00	-3,448.00	2,701.05	2,645.35	55.71	48.488	
11,100.00	11,059.85	11,144.44	11,080.85	30.14	31.77	-90.36	-242.00	-3,448.00	2,701.05	2,644.85	56.20	48.061	
11,200.00	11,159.85	11,244.44	11,180.85	30.38	31.99	-90.36	-242.00	-3,448.00	2,701.05	2,644.35	56.70	47.637	
11,300.00	11,259.85	11,344.44	11,280.85	30.61	32.22	-90.36	-242.00	-3,448.00	2,701.05	2,643.85	57.21	47.216	
11,400.00	11,359.85	11,444.44	11,380.85	30.85	32.45	-90.36	-242.00	-3,448.00	2,701.05	2,643.34	57.72	46.799	
11,500.00	11,459.85	11,544.44	11,480.85	31.09	32.68	-90.36	-242.00	-3,448.00	2,701.05	2,642.82	58.23	46.386	
11,600.00	11,559.85	11,644.44	11,580.85	31.33	32.92	-90.36	-242.00	-3,448.00	2,701.05	2,642.31	58.75	45.977	
11,700.00	11,659.85	11,744.44	11,680.85	31.58	33.15	-90.36	-242.00	-3,448.00	2,701.05	2,641.78	59.27	45.572	
11,800.00	11,759.85	11,844.44	11,780.85	31.82	33.39	-90.36	-242.00	-3,448.00	2,701.05	2,641.26	59.80	45.171	
11,900.00	11,859.85	11,944.44	11,880.85	32.07	33.63	-90.36	-242.00	-3,448.00	2,701.05	2,640.73	60.33	44.774	
11,950.15	11,910.00	12,005.41	11,931.00	32.20	33.78	-90.36	-242.00	-3,448.00	2,701.05	2,640.43	60.62	44.556	
12,000.00	11,959.78	12,044.38	11,980.78	32.32	33.88	-90.11	-242.00	-3,448.00	2,701.06	2,640.20	60.85	44.385	
12,050.00	12,009.34	12,106.07	12,030.34	32.44	34.03	-90.24	-242.00	-3,448.00	2,701.08	2,639.94	61.14	44.179	
12,100.00	12,058.14	12,142.74	12,079.14	32.55	34.12	-90.46	-242.00	-3,448.00	2,701.14	2,639.80	61.35	44.029	
12,150.00	12,105.82	12,190.41	12,126.82	32.65	34.23	-90.74	-242.00	-3,448.00	2,701.31	2,639.73	61.58	43.866	
12,200.00	12,152.00	12,240.87	12,177.24	32.74	34.36	-91.09	-240.44	-3,448.01	2,701.61	2,639.80	61.81	43.707	
12,250.00	12,196.35	12,293.79	12,229.76	32.82	34.49	-91.45	-234.11	-3,448.03	2,702.02	2,639.98	62.04	43.550	
12,300.00	12,238.51	12,348.73	12,283.43	32.89	34.63	-91.80	-222.44	-3,448.09	2,702.54	2,640.26	62.28	43.395	
12,350.00	12,276.17	12,405.89	12,337.80	32.96	34.76	-92.15	-204.91	-3,448.16	2,703.14	2,640.62	62.52	43.239	
12,400.00	12,315.03	12,465.40	12,392.27	33.02	34.90	-92.49	-180.99	-3,448.27	2,703.80	2,641.04	62.76	43.080	
12,450.00	12,348.81	12,527.43	12,446.08	33.07	35.04	-92.81	-150.20	-3,448.40	2,704.52	2,641.50	63.02	42.917	
12,500.00	12,379.25	12,592.05	12,498.25	33.12	35.18	-93.13	-112.13	-3,448.57	2,705.26	2,641.97	63.29	42.745	
12,550.00	12,406.12	12,659.30	12,547.64	33.17	35.32	-93.42	-66.54	-3,448.77	2,705.98	2,642.40	63.57	42.564	
12,600.00	12,429.21	12,729.13	12,592.91	33.22	35.47	-93.68	-13.43	-3,449.00	2,706.66	2,642.77	63.88	42.369	
12,650.00	12,448.35	12,801.36	12,632.57	33.27	35.63	-93.91	46.87	-3,449.26	2,707.25	2,643.04	64.22	42.159	
12,700.00	12,463.40	12,875.69	12,665.14	33.34	35.81	-94.09	113.63	-3,449.55	2,707.73	2,643.16	64.58	41.930	
12,750.15	12,474.25	12,951.94	12,685.29	38.63	36.01	-94.22	185.90	-3,449.87	2,708.07	2,643.13	64.94	41.699	
12,775.15	12,478.59	12,990.43	12,697.78	38.66	36.12	-94.26	223.43	-3,450.03	2,708.14	2,643.02	65.12	41.586	
12,790.47	12,481.13	13,008.62	12,700.99	38.67	37.87	-94.26	241.33	-3,450.11	2,708.14	2,642.92	65.22	41.525	
12,800.00	12,482.59	13,018.15	12,702.65	38.68	39.87	-94.27	250.72	-3,450.15	2,708.14	2,642.87	65.27	41.490	
12,850.00	12,488.69	13,075.42	12,711.21	38.72	41.12	-94.29	307.34	-3,450.43	2,708.18	2,642.60	65.57	41.299	
12,900.00	12,492.19	13,133.67	12,716.43	38.78	41.22	-94.31	365.34	-3,450.81	2,708.21	2,642.29	65.92	41.085	
12,941.88	12,493.11	13,182.51	12,718.08	38.82	41.31	-94.32	414.15	-3,451.20	2,708.22	2,641.98	66.24	40.885	
13,000.00	12,493.10	13,241.75	12,718.11	38.89	41.43	-94.32	473.39	-3,451.72	2,708.22	2,641.49	66.73	40.586	
13,100.00	12,493.10	13,341.75	12,718.10	39.03	41.66	-94.32	573.38	-3,452.59	2,708.21	2,640.53	67.67	40.019	
13,200.00	12,493.10	13,441.75	12,718.10	39.20	41.93	-94.32	673.38	-3,453.47	2,708.19	2,639.43	68.76	39.384	
13,300.00	12,493.10	13,541.75	12,718.10	39.39	42.24	-94.32	773.37	-3,454.35	2,708.18	2,638.19	70.00	38.691	
13,400.00	12,493.09	13,641.75	12,718.10	39.63	42.60	-94.32	873.37	-3,455.23	2,708.17	2,636.81	71.36	37.952	
13,500.00	12,493.09	13,741.75	12,718.09	39.91	43.01	-94.32	973.37	-3,456.10	2,708.16	2,635.31	72.85	37.176	
13,600.00	12,493.09	13,841.75	12,718.09	40.26	43.49	-94.32	1,073.36	-3,456.98	2,708.15	2,633.69	74.45	36.374	
13,700.00	12,493.09	13,941.75	12,718.09	40.67	44.03	-94.32	1,173.36	-3,457.86	2,708.14	2,631.97	76.17	35.554	
13,800.00	12,493.08	14,041.75	12,718.09	41.17	44.63	-94.32	1,273.36	-3,458.74	2,708.13	2,630.14	77.99	34.724	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Biggers Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG; 5500-MWD - OWSG; 13004-MWD - OWSG — **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
13,900.00	12,493.08	14,141.75	12,718.08	41.76	45.31	-94.32	1,373.35	-3,459.61	2,708.11	2,628.21	79.91	33.891	
14,000.00	12,493.08	14,241.75	12,718.08	42.43	46.06	-94.32	1,473.35	-3,460.49	2,708.10	2,626.19	81.91	33.062	
14,100.00	12,493.08	14,341.75	12,718.08	43.20	46.87	-94.32	1,573.34	-3,461.37	2,708.09	2,624.09	84.00	32.240	
14,200.00	12,493.07	14,441.75	12,718.08	44.04	47.75	-94.32	1,673.34	-3,462.24	2,708.08	2,621.92	86.16	31.430	
14,300.00	12,493.07	14,541.75	12,718.07	44.96	48.68	-94.32	1,773.34	-3,463.12	2,708.07	2,619.67	88.40	30.635	
14,400.00	12,493.07	14,641.75	12,718.07	45.94	49.67	-94.32	1,873.33	-3,464.00	2,708.06	2,617.36	90.70	29.857	
14,500.00	12,493.07	14,741.75	12,718.07	46.97	50.70	-94.32	1,973.33	-3,464.88	2,708.05	2,614.98	93.06	29.099	
14,600.00	12,493.06	14,841.75	12,718.07	48.06	51.78	-94.32	2,073.32	-3,465.75	2,708.03	2,612.55	95.48	28.361	
14,700.00	12,493.06	14,941.75	12,718.06	49.19	52.90	-94.32	2,173.32	-3,466.63	2,708.02	2,610.07	97.95	27.646	
14,800.00	12,493.06	15,041.75	12,718.06	50.35	54.05	-94.32	2,273.32	-3,467.51	2,708.01	2,607.54	100.47	26.952	
14,900.00	12,493.06	15,141.75	12,718.06	51.55	55.24	-94.32	2,373.31	-3,468.39	2,708.00	2,604.96	103.04	26.281	
15,000.00	12,493.06	15,241.75	12,718.06	52.78	56.45	-94.32	2,473.31	-3,469.26	2,707.99	2,602.34	105.65	25.633	
15,100.00	12,493.05	15,341.75	12,718.05	54.04	57.70	-94.32	2,573.31	-3,470.14	2,707.98	2,599.69	108.29	25.007	
15,200.00	12,493.05	15,441.75	12,718.05	55.33	58.97	-94.32	2,673.30	-3,471.02	2,707.97	2,596.99	110.97	24.402	
15,300.00	12,493.05	15,541.75	12,718.05	56.63	60.26	-94.32	2,773.30	-3,471.89	2,707.95	2,594.27	113.68	23.820	
15,400.00	12,493.05	15,641.75	12,718.05	57.96	61.57	-94.32	2,873.29	-3,472.77	2,707.94	2,591.51	116.43	23.258	
15,500.00	12,493.04	15,741.75	12,718.04	59.30	62.90	-94.32	2,973.29	-3,473.65	2,707.93	2,588.73	119.20	22.717	
15,600.00	12,493.04	15,841.75	12,718.04	60.66	64.25	-94.32	3,073.29	-3,474.53	2,707.92	2,585.92	122.00	22.195	
15,700.00	12,493.04	15,941.75	12,718.04	62.04	65.61	-94.32	3,173.28	-3,475.40	2,707.91	2,583.08	124.83	21.693	
15,800.00	12,493.04	16,041.75	12,718.04	63.43	66.99	-94.32	3,273.28	-3,476.28	2,707.90	2,580.22	127.68	21.209	
15,900.00	12,493.03	16,141.75	12,718.03	64.84	68.38	-94.32	3,373.27	-3,477.16	2,707.89	2,577.34	130.55	20.742	
16,000.00	12,493.03	16,241.75	12,718.03	66.26	69.79	-94.32	3,473.27	-3,478.04	2,707.87	2,574.43	133.44	20.293	
16,100.00	12,493.03	16,341.75	12,718.03	67.69	71.21	-94.32	3,573.27	-3,478.91	2,707.86	2,571.51	136.35	19.859	
16,200.00	12,493.03	16,441.75	12,718.03	69.13	72.63	-94.32	3,673.26	-3,479.79	2,707.85	2,568.57	139.28	19.442	
16,300.00	12,493.02	16,541.75	12,718.02	70.58	74.07	-94.32	3,773.26	-3,480.67	2,707.84	2,565.61	142.22	19.039	
16,400.00	12,493.02	16,641.75	12,718.02	72.04	75.52	-94.32	3,873.26	-3,481.54	2,707.83	2,562.64	145.19	18.651	
16,500.00	12,493.02	16,741.75	12,718.02	73.51	76.98	-94.32	3,973.25	-3,482.42	2,707.82	2,559.66	148.16	18.276	
16,600.00	12,493.02	16,841.75	12,718.02	74.99	78.45	-94.32	4,073.25	-3,483.30	2,707.81	2,556.65	151.15	17.915	
16,700.00	12,493.01	16,941.75	12,718.01	76.48	79.92	-94.32	4,173.24	-3,484.18	2,707.79	2,553.64	154.15	17.565	
16,800.00	12,493.01	17,041.75	12,718.01	77.97	81.41	-94.32	4,273.24	-3,485.05	2,707.78	2,550.61	157.17	17.228	
16,900.00	12,493.01	17,141.75	12,718.01	79.47	82.90	-94.32	4,373.24	-3,485.93	2,707.77	2,547.57	160.20	16.903	
17,000.00	12,493.01	17,241.75	12,718.01	80.98	84.39	-94.32	4,473.23	-3,486.81	2,707.76	2,544.53	163.23	16.588	
17,100.00	12,493.00	17,341.75	12,718.00	82.49	85.89	-94.32	4,573.23	-3,487.69	2,707.75	2,541.47	166.28	16.284	
17,200.00	12,493.00	17,441.75	12,718.00	84.01	87.40	-94.32	4,673.22	-3,488.56	2,707.74	2,538.40	169.34	15.990	
17,242.10	12,493.00	17,483.84	12,718.00	84.65	88.04	-94.32	4,715.32	-3,488.93	2,707.73	2,537.10	170.63	15.869 SF	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12746-MWD - OWSG — **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	89.45	19.00	1,968.00	1,968.35				
100.00	100.00	68.00	68.00	0.13	0.09	89.45	19.00	1,968.00	1,968.09	1,967.88	0.21	9,205.607	
200.00	200.00	168.00	168.00	0.49	0.37	89.45	19.00	1,968.00	1,968.09	1,967.24	0.86	2,297.167	
300.00	300.00	268.00	268.00	0.84	0.73	89.45	19.00	1,968.00	1,968.09	1,966.52	1.57	1,250.622	
400.00	400.00	368.00	368.00	1.20	1.09	89.45	19.00	1,968.00	1,968.09	1,965.80	2.29	859.191	
500.00	500.00	468.00	468.00	1.56	1.45	89.45	19.00	1,968.00	1,968.09	1,965.08	3.01	654.378	
600.00	600.00	568.00	568.00	1.92	1.80	89.45	19.00	1,968.00	1,968.09	1,964.37	3.72	528.415	
700.00	700.00	736.18	736.16	2.28	2.39	89.46	18.41	1,965.65	1,966.91	1,962.24	4.67	421.281	
800.00	800.00	935.73	935.30	2.64	3.09	89.55	15.41	1,953.70	1,960.91	1,955.20	5.71	343.441	
900.00	899.99	1,100.48	1,099.07	2.98	3.69	-163.62	11.05	1,936.39	1,951.41	1,944.79	6.62	294.646	
1,000.00	999.91	1,200.13	1,197.98	3.33	4.07	-163.60	8.09	1,924.61	1,943.32	1,936.00	7.31	265.737	
1,100.00	1,099.69	1,300.03	1,297.07	3.67	4.46	-163.59	5.13	1,912.81	1,937.73	1,929.72	8.01	241.835	
1,200.00	1,199.27	1,400.08	1,396.27	4.03	4.84	-163.60	2.16	1,901.00	1,934.65	1,925.93	8.72	221.862	
1,300.00	1,298.72	1,500.10	1,495.51	4.39	5.24	-163.60	-0.81	1,889.18	1,932.83	1,923.40	9.43	204.892	
1,400.00	1,398.17	1,600.12	1,594.75	4.76	5.63	-163.60	-3.78	1,877.37	1,931.01	1,920.86	10.15	190.225	
1,500.00	1,497.63	1,700.13	1,693.99	5.13	6.03	-163.60	-6.75	1,865.55	1,929.19	1,918.32	10.87	177.442	
1,600.00	1,597.08	1,800.15	1,793.22	5.51	6.42	-163.60	-9.72	1,853.73	1,927.37	1,915.77	11.60	166.211	
1,700.00	1,696.53	1,899.83	1,892.46	5.89	6.82	-163.61	-12.69	1,841.91	1,925.55	1,913.23	12.32	156.288	
1,800.00	1,795.98	2,000.18	1,991.70	6.27	7.22	-163.61	-15.66	1,830.10	1,923.73	1,910.68	13.05	147.420	
1,900.00	1,895.43	2,100.20	2,090.94	6.65	7.63	-163.61	-18.63	1,818.28	1,921.91	1,908.13	13.78	139.486	
2,000.00	1,994.89	2,200.22	2,190.18	7.04	8.03	-163.61	-21.61	1,806.46	1,920.09	1,905.58	14.51	132.339	
2,100.00	2,094.34	2,299.77	2,289.42	7.42	8.43	-163.61	-24.58	1,794.64	1,918.27	1,903.03	15.24	125.882	
2,200.00	2,193.79	2,400.25	2,388.65	7.81	8.84	-163.61	-27.55	1,782.83	1,916.44	1,900.47	15.97	119.982	
2,300.00	2,293.24	2,500.27	2,487.89	8.20	9.24	-163.62	-30.52	1,771.01	1,914.62	1,897.92	16.71	114.607	
2,400.00	2,392.70	2,600.28	2,587.13	8.59	9.64	-163.62	-33.49	1,759.19	1,912.80	1,895.36	17.44	109.679	
2,500.00	2,492.15	2,700.30	2,686.37	8.97	10.05	-163.62	-36.46	1,747.38	1,910.98	1,892.81	18.17	105.146	
2,600.00	2,591.60	2,800.32	2,785.61	9.36	10.45	-163.62	-39.43	1,735.56	1,909.16	1,890.25	18.91	100.963	
2,700.00	2,691.05	2,899.67	2,884.84	9.75	10.86	-163.62	-42.40	1,723.74	1,907.34	1,887.70	19.64	97.102	
2,800.00	2,790.50	3,000.35	2,984.08	10.15	11.27	-163.62	-45.37	1,711.92	1,905.52	1,885.14	20.38	93.494	
2,900.00	2,889.96	3,100.37	3,083.32	10.54	11.67	-163.63	-48.34	1,700.11	1,903.70	1,882.58	21.12	90.148	
3,000.00	2,989.41	3,199.62	3,182.56	10.93	12.08	-163.63	-51.31	1,688.29	1,901.88	1,880.02	21.85	87.037	
3,100.00	3,088.86	3,299.60	3,281.80	11.32	12.48	-163.63	-54.28	1,676.47	1,900.05	1,877.47	22.59	84.116	
3,200.00	3,188.31	3,400.42	3,381.03	11.71	12.89	-163.63	-57.25	1,664.65	1,898.23	1,874.91	23.33	81.369	
3,300.00	3,287.77	3,500.43	3,480.27	12.11	13.30	-163.63	-60.22	1,652.84	1,896.41	1,872.35	24.07	78.800	
3,400.00	3,387.22	3,600.45	3,579.51	12.50	13.71	-163.63	-63.19	1,641.02	1,894.59	1,869.79	24.80	76.382	
3,500.00	3,486.67	3,700.47	3,678.75	12.89	14.11	-163.63	-66.16	1,629.20	1,892.77	1,867.23	25.54	74.104	
3,600.00	3,586.12	3,799.52	3,777.99	13.28	14.52	-163.64	-69.13	1,617.38	1,890.95	1,864.67	26.28	71.963	
3,700.00	3,685.57	3,900.50	3,877.23	13.68	14.93	-163.64	-72.10	1,605.57	1,889.13	1,862.11	27.02	69.919	
3,800.00	3,785.03	4,000.52	3,976.46	14.07	15.34	-163.64	-75.07	1,593.75	1,887.31	1,859.55	27.76	67.993	
3,900.00	3,884.48	4,100.53	4,075.70	14.47	15.74	-163.64	-78.04	1,581.93	1,885.49	1,856.99	28.50	66.167	
4,000.00	3,983.93	4,200.55	4,174.94	14.86	16.15	-163.64	-81.01	1,570.12	1,883.67	1,854.43	29.23	64.432	
4,100.00	4,083.38	4,300.57	4,274.18	15.25	16.56	-163.64	-83.99	1,558.30	1,881.85	1,851.87	29.97	62.783	
4,200.00	4,182.84	4,400.58	4,373.42	15.65	16.97	-163.65	-86.96	1,546.48	1,880.02	1,849.31	30.71	61.213	
4,300.00	4,282.29	4,500.60	4,472.65	16.04	17.38	-163.65	-89.93	1,534.66	1,878.20	1,846.75	31.45	59.717	
4,400.00	4,381.74	4,600.62	4,571.89	16.44	17.78	-163.65	-92.90	1,522.85	1,876.38	1,844.19	32.19	58.289	
4,500.00	4,481.19	4,700.63	4,671.13	16.83	18.19	-163.65	-95.87	1,511.03	1,874.56	1,841.63	32.93	56.924	
4,600.00	4,580.64	4,800.65	4,770.37	17.23	18.60	-163.65	-98.84	1,499.21	1,872.74	1,839.07	33.67	55.620	
4,700.00	4,680.10	4,900.67	4,869.61	17.62	19.01	-163.65	-101.81	1,487.39	1,870.92	1,836.51	34.41	54.372	
4,800.00	4,779.55	5,000.68	4,968.85	18.02	19.42	-163.66	-104.78	1,475.58	1,869.10	1,833.95	35.15	53.176	
4,900.00	4,879.00	5,099.30	5,068.08	18.41	19.82	-163.66	-107.75	1,463.76	1,867.28	1,831.39	35.88	52.037	
5,000.00	4,978.45	5,200.71	5,167.32	18.81	20.23	-163.66	-110.72	1,451.94	1,865.46	1,828.83	36.63	50.929	
5,100.00	5,077.90	5,300.73	5,266.56	19.20	20.64	-163.66	-113.69	1,440.13	1,863.64	1,826.27	37.37	49.872	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12746-MWD - OWSG — 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
5,200.00	5,177.36	5,400.75	5,365.80	19.60	21.05	-163.66	-116.66	1,428.31	1,861.81	1,823.71	38.11	48.857	
5,300.00	5,276.81	5,500.76	5,465.04	19.99	21.29	-163.66	-119.63	1,416.49	1,859.99	1,821.33	38.66	48.108	
5,400.00	5,376.26	5,599.22	5,564.27	20.39	21.36	-163.67	-122.60	1,404.67	1,858.17	1,819.13	39.04	47.594	
5,500.00	5,475.71	5,699.20	5,663.51	20.61	21.45	-163.67	-125.57	1,392.86	1,856.35	1,817.10	39.25	47.299	
5,600.00	5,575.17	5,800.81	5,762.75	20.67	21.54	-163.67	-128.54	1,381.04	1,854.53	1,815.25	39.28	47.209	
5,700.00	5,674.62	5,900.83	5,861.99	20.73	21.64	-163.67	-131.51	1,369.22	1,852.71	1,813.38	39.33	47.102	
5,800.00	5,774.07	6,000.85	5,961.23	20.80	21.74	-163.67	-134.48	1,357.40	1,850.89	1,811.49	39.40	46.979	
5,900.00	5,873.52	6,099.14	6,060.46	20.88	21.85	-163.67	-137.45	1,345.59	1,849.07	1,809.59	39.47	46.841	
6,000.00	5,972.97	6,200.88	6,159.70	20.97	21.97	-163.68	-140.42	1,333.77	1,847.25	1,807.68	39.57	46.686	
6,100.00	6,072.43	6,299.10	6,258.94	21.06	22.10	-163.68	-143.39	1,321.95	1,845.43	1,805.75	39.67	46.517	
6,200.00	6,171.88	6,400.91	6,358.18	21.16	22.23	-163.68	-146.36	1,310.14	1,843.60	1,803.81	39.79	46.331	
6,300.00	6,271.33	6,500.93	6,457.42	21.27	22.37	-163.68	-149.34	1,298.32	1,841.78	1,801.86	39.92	46.132	
6,400.00	6,370.78	6,600.95	6,556.66	21.38	22.52	-163.68	-152.31	1,286.50	1,839.96	1,799.89	40.07	45.919	
6,500.00	6,470.24	6,699.04	6,655.89	21.51	22.67	-163.68	-155.28	1,274.68	1,838.14	1,797.92	40.23	45.695	
6,600.00	6,569.69	6,800.98	6,755.13	21.63	22.83	-163.69	-158.25	1,262.87	1,836.32	1,795.92	40.40	45.454	
6,700.00	6,669.14	6,901.00	6,854.37	21.77	23.00	-163.69	-161.22	1,251.05	1,834.50	1,793.92	40.58	45.202	
6,800.00	6,768.59	7,001.01	6,953.61	21.91	23.17	-163.69	-164.19	1,239.23	1,832.68	1,791.90	40.78	44.939	
6,900.00	6,868.04	7,101.03	7,052.85	22.05	23.35	-163.69	-167.16	1,227.41	1,830.86	1,789.87	40.99	44.665	
7,000.00	6,967.50	7,201.05	7,152.08	22.21	23.53	-163.69	-170.13	1,215.60	1,829.04	1,787.82	41.21	44.381	
7,100.00	7,066.95	7,301.06	7,251.32	22.37	23.72	-163.69	-173.10	1,203.78	1,827.22	1,785.77	41.45	44.086	
7,200.00	7,166.40	7,401.08	7,350.56	22.53	23.91	-163.70	-176.07	1,191.96	1,825.40	1,783.70	41.69	43.783	
7,300.00	7,265.85	7,501.10	7,449.80	22.70	24.11	-163.70	-179.04	1,180.15	1,823.57	1,781.62	41.95	43.471	
7,400.00	7,365.31	7,601.11	7,549.04	22.88	24.32	-163.70	-182.01	1,168.33	1,821.75	1,779.54	42.22	43.151	
7,500.00	7,464.76	7,701.13	7,648.27	23.06	24.53	-163.70	-184.98	1,156.51	1,819.93	1,777.43	42.50	42.823	
7,600.00	7,564.21	7,798.85	7,747.51	23.25	24.74	-163.70	-187.95	1,144.69	1,818.11	1,775.33	42.79	42.493	
7,700.00	7,663.66	7,901.16	7,846.75	23.44	24.96	-163.70	-190.92	1,132.88	1,816.29	1,773.20	43.09	42.150	
7,800.00	7,763.11	7,996.82	7,945.99	23.63	25.18	-163.71	-193.89	1,121.06	1,814.47	1,771.07	43.40	41.808	
7,900.00	7,862.57	8,098.80	8,045.23	23.84	25.41	-163.71	-196.86	1,109.24	1,812.65	1,768.93	43.72	41.458	
8,000.00	7,962.02	8,201.21	8,144.47	24.04	25.65	-163.71	-199.83	1,097.42	1,810.83	1,766.77	44.06	41.099	
8,100.00	8,061.47	8,301.23	8,243.70	24.26	25.89	-163.71	-202.80	1,085.61	1,809.01	1,764.60	44.40	40.741	
8,200.00	8,160.92	8,380.57	8,324.92	24.47	26.08	-163.71	-205.18	1,076.14	1,807.48	1,762.75	44.72	40.415	
8,246.76	8,207.43	8,412.60	8,356.76	24.57	26.15	-163.72	-206.02	1,072.80	1,807.29	1,762.42	44.87	40.282	
8,263.15	8,223.73	8,423.83	8,367.93	24.61	26.18	-163.72	-206.30	1,071.69	1,807.31	1,762.39	44.92	40.238	
8,300.00	8,260.39	8,449.07	8,393.06	24.69	26.23	-163.73	-206.90	1,069.31	1,807.36	1,762.34	45.03	40.139	
8,400.00	8,360.05	8,517.57	8,461.31	24.90	26.38	-163.73	-208.32	1,063.68	1,808.98	1,761.65	45.33	39.857	
8,500.00	8,459.90	8,586.08	8,529.66	25.09	26.52	-163.72	-209.43	1,059.23	1,805.83	1,760.21	45.62	39.586	
8,600.00	8,559.85	8,654.59	8,598.09	25.27	26.66	-163.71	-210.25	1,055.98	1,803.90	1,758.00	45.90	39.297	
8,663.15	8,623.00	8,700.00	8,643.47	25.38	26.74	89.54	-210.63	1,054.47	1,802.29	1,756.21	46.08	39.110	
8,700.00	8,659.85	8,723.13	8,666.59	25.43	26.78	89.55	-210.77	1,053.91	1,801.38	1,755.21	46.17	39.014	
8,800.00	8,759.85	8,791.71	8,735.17	25.59	26.89	89.55	-210.99	1,053.03	1,800.10	1,753.67	46.43	38.759	
8,843.46	8,803.31	8,827.85	8,771.31	25.66	26.95	89.55	-211.00	1,053.00	1,800.05	1,753.49	46.56	38.660	
8,900.00	8,859.85	8,884.39	8,827.85	25.75	27.03	89.55	-211.00	1,053.00	1,800.05	1,753.30	46.76	38.497	
9,000.00	8,959.85	8,984.39	8,927.85	25.91	27.19	89.55	-211.00	1,053.00	1,800.05	1,752.94	47.11	38.207	
9,100.00	9,059.85	9,084.39	9,027.85	26.08	27.35	89.55	-211.00	1,053.00	1,800.05	1,752.58	47.48	37.915	
9,200.00	9,159.85	9,184.39	9,127.85	26.25	27.51	89.55	-211.00	1,053.00	1,800.05	1,752.21	47.85	37.621	
9,300.00	9,259.85	9,284.39	9,227.85	26.43	27.68	89.55	-211.00	1,053.00	1,800.05	1,751.83	48.23	37.325	
9,400.00	9,359.85	9,384.39	9,327.85	26.61	27.85	89.55	-211.00	1,053.00	1,800.05	1,751.44	48.61	37.029	
9,500.00	9,459.85	9,484.39	9,427.85	26.79	28.02	89.55	-211.00	1,053.00	1,800.05	1,751.05	49.01	36.731	
9,600.00	9,559.85	9,584.39	9,527.85	26.97	28.20	89.55	-211.00	1,053.00	1,800.05	1,750.65	49.41	36.433	
9,700.00	9,659.85	9,684.39	9,627.85	27.16	28.38	89.55	-211.00	1,053.00	1,800.05	1,750.24	49.82	36.134	
9,800.00	9,759.85	9,784.39	9,727.85	27.36	28.56	89.55	-211.00	1,053.00	1,800.05	1,749.82	50.23	35.835	
9,900.00	9,859.85	9,884.39	9,827.85	27.55	28.75	89.55	-211.00	1,053.00	1,800.05	1,749.40	50.65	35.537	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12748-MWD - OWSG — 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	9,959.85	9,984.39	9,927.85	27.75	28.94	89.55	-211.00	1,053.00	1,800.05	1,748.97	51.08	35.238	
10,100.00	10,059.85	10,084.39	10,027.85	27.95	29.14	89.55	-211.00	1,053.00	1,800.05	1,748.54	51.52	34.941	
10,200.00	10,159.85	10,184.39	10,127.85	28.16	29.33	89.55	-211.00	1,053.00	1,800.05	1,748.10	51.96	34.644	
10,300.00	10,259.85	10,284.39	10,227.85	28.37	29.53	89.55	-211.00	1,053.00	1,800.05	1,747.65	52.41	34.348	
10,400.00	10,359.85	10,384.39	10,327.85	28.58	29.74	89.55	-211.00	1,053.00	1,800.05	1,747.20	52.86	34.054	
10,500.00	10,459.85	10,484.39	10,427.85	28.80	29.94	89.55	-211.00	1,053.00	1,800.05	1,746.74	53.32	33.761	
10,600.00	10,559.85	10,584.39	10,527.85	29.01	30.15	89.55	-211.00	1,053.00	1,800.05	1,746.27	53.78	33.469	
10,700.00	10,659.85	10,684.39	10,627.85	29.23	30.36	89.55	-211.00	1,053.00	1,800.05	1,745.80	54.25	33.179	
10,800.00	10,759.85	10,784.39	10,727.85	29.46	30.58	89.55	-211.00	1,053.00	1,800.05	1,745.33	54.73	32.891	
10,900.00	10,859.85	10,884.39	10,827.85	29.68	30.79	89.55	-211.00	1,053.00	1,800.05	1,744.85	55.21	32.604	
11,000.00	10,959.85	10,984.39	10,927.85	29.91	31.01	89.55	-211.00	1,053.00	1,800.05	1,744.36	55.70	32.320	
11,100.00	11,059.85	11,084.39	11,027.85	30.14	31.23	89.55	-211.00	1,053.00	1,800.05	1,743.87	56.19	32.038	
11,200.00	11,159.85	11,184.39	11,127.85	30.38	31.46	89.55	-211.00	1,053.00	1,800.05	1,743.37	56.68	31.757	
11,300.00	11,259.85	11,284.39	11,227.85	30.61	31.69	89.55	-211.00	1,053.00	1,800.05	1,742.87	57.18	31.480	
11,400.00	11,359.85	11,384.39	11,327.85	30.85	31.91	89.55	-211.00	1,053.00	1,800.05	1,742.37	57.69	31.204	
11,500.00	11,459.85	11,484.39	11,427.85	31.09	32.15	89.55	-211.00	1,053.00	1,800.05	1,741.86	58.20	30.931	
11,600.00	11,559.85	11,584.39	11,527.85	31.33	32.38	89.55	-211.00	1,053.00	1,800.05	1,741.34	58.71	30.660	
11,700.00	11,659.85	11,684.39	11,627.85	31.58	32.62	89.55	-211.00	1,053.00	1,800.05	1,740.83	59.23	30.392	
11,800.00	11,759.85	11,784.39	11,727.85	31.82	32.86	89.55	-211.00	1,053.00	1,800.05	1,740.30	59.75	30.127	
11,900.00	11,859.85	11,884.39	11,827.85	32.07	33.10	89.55	-211.00	1,053.00	1,800.05	1,739.78	60.26	29.864	
11,950.15	11,910.00	11,934.54	11,878.00	32.20	33.22	89.55	-211.00	1,053.00	1,800.05	1,739.51	60.54	29.733	
12,000.00	11,959.78	11,984.11	11,927.54	32.32	33.34	89.88	-209.77	1,052.99	1,800.05	1,739.25	60.80	29.607	
12,050.00	12,009.34	12,033.83	11,976.95	32.44	33.45	89.92	-204.36	1,052.97	1,800.05	1,739.01	61.05	29.487	
12,100.00	12,058.14	12,083.64	12,025.80	32.55	33.56	89.95	-194.67	1,052.91	1,800.05	1,738.77	61.28	29.376	
12,150.00	12,105.82	12,133.55	12,073.71	32.65	33.65	89.99	-180.75	1,052.84	1,800.05	1,738.56	61.49	29.272	
12,165.27	12,120.10	12,148.82	12,088.10	32.67	33.68	90.00	-175.66	1,052.82	1,800.05	1,738.49	61.56	29.242 CC	
12,200.00	12,152.00	12,183.56	12,120.32	32.74	33.74	90.02	-162.67	1,052.75	1,800.05	1,738.35	61.70	29.176	
12,250.00	12,196.35	12,233.66	12,165.26	32.82	33.82	90.06	-140.55	1,052.63	1,800.05	1,738.16	61.89	29.085	
12,300.00	12,238.51	12,283.87	12,208.17	32.89	33.90	90.10	-114.54	1,052.49	1,800.05	1,737.98	62.07	28.999	
12,350.00	12,278.17	12,334.17	12,248.72	32.96	33.96	90.13	-84.81	1,052.34	1,800.05	1,737.80	62.25	28.916	
12,400.00	12,315.03	12,384.56	12,286.58	33.02	34.02	90.16	-51.57	1,052.17	1,800.06	1,737.63	62.43	28.834	
12,450.00	12,348.81	12,435.05	12,321.43	33.07	34.07	90.20	-15.07	1,051.97	1,800.06	1,737.45	62.61	28.752	
12,500.00	12,379.25	12,485.62	12,352.99	33.12	34.12	90.23	24.43	1,051.77	1,800.06	1,737.27	62.79	28.667	
12,550.00	12,406.12	12,536.28	12,380.99	33.17	34.17	90.26	66.64	1,051.55	1,800.07	1,737.08	62.99	28.577	
12,600.00	12,429.21	12,587.02	12,405.18	33.22	34.21	90.28	111.22	1,051.31	1,800.07	1,736.87	63.20	28.482	
12,650.00	12,448.35	12,637.84	12,425.37	33.27	34.26	90.31	157.83	1,051.07	1,800.07	1,736.64	63.43	28.379	
12,700.00	12,463.40	12,688.72	12,441.36	33.34	34.32	90.33	206.12	1,050.82	1,800.08	1,736.40	63.68	28.268	
12,750.15	12,474.25	12,739.82	12,453.05	38.63	38.77	90.35	255.85	1,050.56	1,800.08	1,736.18	63.90	28.171	
12,775.15	12,478.59	12,764.95	12,457.45	38.66	39.54	90.35	280.59	1,050.43	1,800.08	1,736.09	63.99	28.131	
12,800.00	12,482.59	12,790.79	12,461.75	38.68	39.56	90.36	306.06	1,050.29	1,800.09	1,736.00	64.09	28.086	
12,850.00	12,488.69	12,843.50	12,466.41	38.72	39.62	90.38	358.34	1,049.96	1,800.09	1,735.76	64.33	27.982	
12,900.00	12,492.19	12,896.22	12,472.18	38.78	39.68	90.38	410.92	1,049.57	1,800.09	1,735.48	64.62	27.858	
12,941.88	12,493.11	12,940.38	12,473.10	38.82	39.74	90.38	455.07	1,049.20	1,800.09	1,735.20	64.89	27.740	
12,962.55	12,493.10	12,960.95	12,473.10	38.85	39.76	90.38	475.63	1,049.02	1,800.09	1,735.06	65.04	27.678	
13,000.00	12,493.10	13,001.61	12,473.10	38.89	39.82	90.38	513.08	1,048.68	1,800.09	1,734.78	65.32	27.560	
13,100.00	12,493.10	13,101.61	12,473.10	39.03	39.98	90.38	613.07	1,047.79	1,800.09	1,733.94	66.15	27.212	
13,200.00	12,493.10	13,201.61	12,473.10	39.20	40.17	90.38	713.07	1,046.91	1,800.09	1,732.95	67.14	26.810	
13,300.00	12,493.10	13,301.61	12,473.10	39.39	40.39	90.38	813.07	1,046.02	1,800.09	1,731.81	68.28	26.364	
13,400.00	12,493.09	13,401.61	12,473.09	39.63	40.65	90.38	913.06	1,045.13	1,800.09	1,730.53	69.56	25.879	
13,500.00	12,493.09	13,501.61	12,473.09	39.91	40.96	90.38	1,013.06	1,044.24	1,800.09	1,729.12	70.97	25.365	
13,600.00	12,493.09	13,601.61	12,473.09	40.26	41.33	90.38	1,113.05	1,043.35	1,800.09	1,727.59	72.50	24.829	
13,700.00	12,493.09	13,701.61	12,473.09	40.67	41.76	90.38	1,213.05	1,042.46	1,800.09	1,725.94	74.15	24.276	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 202H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12746-MWD - OWSG — 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
13,800.00	12,493.08	13,801.61	12,473.08	41.17	42.26	90.38	1,313.05	1,041.57	1,800.09	1,724.18	75.91	23.713	
13,900.00	12,493.08	13,901.61	12,473.08	41.76	42.83	90.38	1,413.04	1,040.68	1,800.09	1,722.31	77.77	23.145	
14,000.00	12,493.08	14,001.61	12,473.08	42.43	43.49	90.38	1,513.04	1,039.79	1,800.09	1,720.36	79.73	22.577	
14,100.00	12,493.08	14,101.61	12,473.08	43.20	44.22	90.38	1,613.03	1,038.90	1,800.09	1,718.31	81.78	22.013	
14,200.00	12,493.07	14,201.61	12,473.07	44.04	45.02	90.38	1,713.03	1,038.01	1,800.09	1,716.19	83.90	21.455	
14,300.00	12,493.07	14,301.61	12,473.07	44.96	45.90	90.38	1,813.03	1,037.12	1,800.09	1,713.98	86.10	20.906	
14,400.00	12,493.07	14,401.61	12,473.07	45.94	46.84	90.38	1,913.02	1,036.24	1,800.09	1,711.71	88.37	20.369	
14,500.00	12,493.07	14,501.61	12,473.07	46.97	47.83	90.38	2,013.02	1,035.35	1,800.09	1,709.38	90.71	19.844	
14,600.00	12,493.06	14,601.61	12,473.06	48.06	48.88	90.38	2,113.01	1,034.46	1,800.09	1,706.98	93.11	19.334	
14,700.00	12,493.06	14,701.61	12,473.06	49.19	49.97	90.38	2,213.01	1,033.57	1,800.09	1,704.53	95.56	18.838	
14,800.00	12,493.06	14,801.61	12,473.06	50.35	51.10	90.38	2,313.01	1,032.68	1,800.09	1,702.03	98.06	18.357	
14,900.00	12,493.06	14,901.61	12,473.06	51.55	52.27	90.38	2,413.00	1,031.79	1,800.09	1,699.48	100.61	17.892	
15,000.00	12,493.06	15,001.61	12,473.06	52.78	53.47	90.38	2,513.00	1,030.90	1,800.08	1,696.88	103.20	17.443	
15,100.00	12,493.05	15,101.61	12,473.05	54.04	54.70	90.38	2,613.00	1,030.01	1,800.08	1,694.25	105.83	17.009	
15,200.00	12,493.05	15,201.61	12,473.05	55.33	55.96	90.38	2,712.99	1,029.12	1,800.08	1,691.58	108.51	16.590	
15,300.00	12,493.05	15,301.61	12,473.05	56.63	57.25	90.38	2,812.99	1,028.23	1,800.08	1,688.87	111.21	16.186	
15,400.00	12,493.05	15,401.61	12,473.05	57.96	58.55	90.38	2,912.98	1,027.34	1,800.08	1,686.13	113.95	15.797	
15,500.00	12,493.04	15,501.61	12,473.04	59.30	59.88	90.38	3,012.98	1,026.45	1,800.08	1,683.37	116.72	15.423	
15,600.00	12,493.04	15,598.39	12,473.04	60.66	61.18	90.38	3,112.98	1,025.57	1,800.08	1,680.61	119.47	15.067	
15,700.00	12,493.04	15,701.61	12,473.04	62.04	62.58	90.38	3,212.97	1,024.68	1,800.08	1,677.75	122.34	14.714	
15,800.00	12,493.04	15,801.61	12,473.04	63.43	63.96	90.38	3,312.97	1,023.79	1,800.08	1,674.90	125.18	14.380	
15,900.00	12,493.03	15,901.61	12,473.03	64.84	65.35	90.38	3,412.96	1,022.90	1,800.08	1,672.03	128.05	14.057	
16,000.00	12,493.03	16,001.61	12,473.03	66.26	66.75	90.38	3,512.96	1,022.01	1,800.08	1,669.14	130.94	13.747	
16,100.00	12,493.03	16,101.61	12,473.03	67.69	68.17	90.38	3,612.96	1,021.12	1,800.08	1,666.23	133.85	13.448	
16,200.00	12,493.03	16,201.61	12,473.03	69.13	69.60	90.38	3,712.95	1,020.23	1,800.08	1,663.30	136.78	13.160	
16,300.00	12,493.02	16,301.61	12,473.02	70.58	71.04	90.38	3,812.95	1,019.34	1,800.08	1,660.35	139.73	12.883	
16,400.00	12,493.02	16,401.61	12,473.02	72.04	72.49	90.38	3,912.94	1,018.45	1,800.08	1,657.39	142.69	12.615	
16,500.00	12,493.02	16,501.61	12,473.02	73.51	73.95	90.38	4,012.94	1,017.56	1,800.08	1,654.41	145.67	12.357	
16,600.00	12,493.02	16,601.61	12,473.02	74.99	75.41	90.38	4,112.94	1,016.67	1,800.08	1,651.41	148.66	12.108	
16,700.00	12,493.01	16,701.61	12,473.01	76.48	76.89	90.38	4,212.93	1,015.78	1,800.08	1,648.41	151.67	11.868	
16,800.00	12,493.01	16,801.61	12,473.01	77.97	78.37	90.38	4,312.93	1,014.90	1,800.08	1,645.39	154.69	11.637	
16,900.00	12,493.01	16,901.61	12,473.01	79.47	79.87	90.38	4,412.92	1,014.01	1,800.08	1,642.36	157.72	11.413	
17,000.00	12,493.01	17,001.61	12,473.01	80.98	81.36	90.38	4,512.92	1,013.12	1,800.08	1,639.31	160.76	11.197	
17,100.00	12,493.00	17,101.61	12,473.00	82.49	82.87	90.38	4,612.92	1,012.23	1,800.08	1,636.26	163.81	10.988	
17,200.00	12,493.00	17,198.39	12,473.00	84.01	84.33	90.38	4,712.91	1,011.34	1,800.08	1,633.25	166.83	10.790	
17,239.47	12,493.00	17,237.87	12,473.00	84.61	84.93	90.38	4,752.38	1,010.99	1,800.08	1,632.04	168.04	10.712	ES, SF
17,242.10	12,493.00	17,236.48	12,473.00	84.65	84.91	90.38	4,751.00	1,011.00	1,800.08	1,632.06	168.02	10.714	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 203H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD, OWSG, 5492-MWD, OWSG, 12740-MWD - OWSG — 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	89.43	20.00	2,028.00	2,028.35				
100.00	100.00	68.00	68.00	0.13	0.09	89.43	20.00	2,028.00	2,028.10	2,027.88	0.21	9,486.285	
200.00	200.00	168.00	168.00	0.49	0.37	89.43	20.00	2,028.00	2,028.10	2,027.24	0.86	2,367.207	
300.00	300.00	268.00	268.00	0.84	0.73	89.43	20.00	2,028.00	2,028.10	2,026.52	1.57	1,288.753	
400.00	400.00	368.00	368.00	1.20	1.09	89.43	20.00	2,028.00	2,028.10	2,025.81	2.29	885.388	
500.00	500.00	468.00	468.00	1.56	1.45	89.43	20.00	2,028.00	2,028.10	2,025.09	3.01	674.330	
600.00	600.00	568.00	568.00	1.92	1.80	89.43	20.00	2,028.00	2,028.10	2,024.37	3.72	544.526	
700.00	700.00	668.00	668.00	2.28	2.16	89.43	20.00	2,028.00	2,028.10	2,023.66	4.44	456.629	
800.00	800.00	768.00	768.00	2.64	2.52	89.43	20.00	2,028.00	2,028.10	2,022.94	5.16	393.164	CC, ES
900.00	899.99	867.99	867.99	2.98	2.88	-163.81	20.00	2,028.00	2,029.36	2,023.49	5.86	346.059	
1,000.00	999.91	967.91	967.91	3.33	3.24	-163.82	20.00	2,028.00	2,033.13	2,026.56	6.56	309.785	
1,100.00	1,099.69	1,067.69	1,067.69	3.67	3.60	-163.85	20.00	2,028.00	2,039.41	2,032.14	7.27	280.693	
1,200.00	1,199.27	1,167.27	1,167.27	4.03	3.95	-163.88	20.00	2,028.00	2,048.20	2,040.23	7.97	256.956	
1,300.00	1,298.72	1,243.98	1,243.98	4.39	4.22	-163.94	19.93	2,028.24	2,058.62	2,050.03	8.59	239.624	
1,400.00	1,398.17	1,300.00	1,299.99	4.76	4.42	-163.98	19.65	2,029.26	2,070.61	2,061.48	9.13	226.717	
1,500.00	1,497.63	1,374.45	1,374.39	5.13	4.67	-164.02	18.93	2,031.84	2,084.17	2,074.44	9.73	214.130	
1,600.00	1,597.06	1,439.26	1,439.10	5.51	4.89	-164.04	17.99	2,035.22	2,099.38	2,089.08	10.30	203.844	
1,700.00	1,696.53	1,500.00	1,499.69	5.89	5.10	-164.06	16.84	2,039.34	2,116.19	2,105.34	10.85	195.083	
1,800.00	1,795.98	1,567.83	1,567.26	6.27	5.34	-164.06	15.25	2,045.05	2,134.58	2,123.16	11.42	186.878	
1,900.00	1,895.43	1,631.54	1,630.62	6.65	5.57	-164.06	13.46	2,051.46	2,154.55	2,142.57	11.98	179.866	
2,000.00	1,994.89	1,710.18	1,708.69	7.04	5.85	-164.05	10.93	2,060.53	2,175.93	2,163.33	12.59	172.769	
2,100.00	2,094.34	1,807.81	1,805.60	7.42	6.21	-164.03	7.73	2,072.00	2,197.54	2,184.25	13.29	165.346	
2,200.00	2,193.79	1,905.45	1,902.51	7.81	6.57	-164.02	4.54	2,083.46	2,219.15	2,205.17	13.99	158.626	
2,300.00	2,293.24	2,003.08	1,999.41	8.20	6.94	-164.00	1.34	2,094.92	2,240.77	2,226.08	14.69	152.516	
2,400.00	2,392.70	2,100.72	2,096.32	8.59	7.30	-163.99	-1.85	2,106.38	2,262.38	2,246.99	15.40	146.943	
2,500.00	2,492.15	2,198.35	2,193.23	8.97	7.68	-163.97	-5.05	2,117.84	2,284.00	2,267.89	16.10	141.839	
2,600.00	2,591.60	2,304.01	2,290.13	9.36	8.08	-163.96	-8.24	2,129.30	2,305.61	2,288.77	16.84	136.914	
2,700.00	2,691.05	2,393.62	2,387.04	9.75	8.43	-163.95	-11.44	2,140.76	2,327.23	2,309.70	17.52	132.827	
2,800.00	2,790.50	2,508.75	2,483.95	10.15	8.88	-163.93	-14.63	2,152.23	2,348.84	2,330.54	18.30	128.386	
2,900.00	2,889.96	2,588.89	2,580.86	10.54	9.19	-163.92	-17.83	2,163.69	2,370.45	2,351.51	18.94	125.130	
3,000.00	2,989.41	2,686.52	2,677.76	10.93	9.57	-163.91	-21.02	2,175.15	2,392.07	2,372.41	19.66	121.686	
3,100.00	3,088.86	2,784.16	2,774.67	11.32	9.96	-163.89	-24.22	2,186.61	2,413.68	2,393.31	20.37	118.483	
3,200.00	3,188.31	2,881.79	2,871.58	11.71	10.34	-163.88	-27.41	2,198.07	2,435.30	2,414.21	21.09	115.489	
3,300.00	3,287.77	2,979.43	2,968.48	12.11	10.73	-163.87	-30.61	2,209.53	2,456.91	2,435.11	21.80	112.689	
3,400.00	3,387.22	3,077.06	3,065.39	12.50	11.12	-163.85	-33.80	2,221.00	2,478.53	2,456.01	22.52	110.052	
3,500.00	3,486.67	3,174.70	3,162.30	12.89	11.50	-163.84	-37.00	2,232.46	2,500.14	2,476.91	23.24	107.595	
3,600.00	3,586.12	3,272.33	3,259.20	13.28	11.89	-163.83	-40.20	2,243.92	2,521.76	2,497.80	23.95	105.273	
3,700.00	3,685.57	3,369.97	3,356.11	13.68	12.28	-163.82	-43.39	2,255.38	2,543.37	2,518.70	24.67	103.084	
3,800.00	3,785.03	3,467.60	3,453.02	14.07	12.67	-163.81	-46.59	2,266.84	2,564.99	2,539.60	25.39	101.017	
3,900.00	3,884.48	3,565.24	3,549.92	14.47	13.06	-163.80	-49.78	2,278.30	2,586.61	2,560.49	26.11	99.062	
4,000.00	3,983.93	3,662.87	3,646.83	14.86	13.45	-163.78	-52.98	2,289.77	2,608.22	2,581.39	26.83	97.210	
4,100.00	4,083.38	3,760.50	3,743.74	15.25	13.84	-163.77	-56.17	2,301.23	2,629.84	2,602.29	27.55	95.453	
4,200.00	4,182.84	3,858.14	3,840.64	15.65	14.24	-163.76	-59.37	2,312.69	2,651.45	2,623.18	28.27	93.785	
4,300.00	4,282.29	3,955.77	3,937.55	16.04	14.63	-163.75	-62.56	2,324.15	2,673.07	2,644.08	28.99	92.199	
4,400.00	4,381.74	4,053.41	4,034.46	16.44	15.02	-163.74	-65.76	2,335.61	2,694.69	2,664.97	29.71	90.689	
4,500.00	4,481.19	4,151.04	4,131.36	16.83	15.41	-163.73	-68.95	2,347.07	2,716.30	2,685.87	30.44	89.249	
4,600.00	4,580.64	4,248.68	4,228.27	17.23	15.81	-163.72	-72.15	2,358.53	2,737.92	2,706.76	31.16	87.875	
4,700.00	4,680.10	4,346.31	4,325.18	17.62	16.20	-163.71	-75.34	2,370.00	2,759.53	2,727.66	31.88	86.563	
4,800.00	4,779.55	4,443.95	4,422.09	18.02	16.60	-163.70	-78.54	2,381.46	2,781.15	2,748.55	32.60	85.308	
4,900.00	4,879.00	4,541.58	4,518.99	18.41	16.99	-163.69	-81.74	2,392.92	2,802.77	2,769.44	33.32	84.107	
5,000.00	4,978.45	4,639.22	4,615.90	18.81	17.38	-163.68	-84.93	2,404.38	2,824.38	2,790.34	34.05	82.957	
5,100.00	5,077.90	4,736.85	4,712.81	19.20	17.78	-163.67	-88.13	2,415.84	2,846.00	2,811.23	34.77	81.853	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 203H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12740-MWD - OWSG — **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
5,200.00	5,177.36	4,834.49	4,809.71	19.60	18.17	-163.66	-91.32	2,427.30	2,867.62	2,832.12	35.49	80.795	
5,300.00	5,276.81	4,932.12	4,906.62	19.99	18.57	-163.66	-94.52	2,438.77	2,889.23	2,853.02	36.22	79.778	
5,400.00	5,376.26	5,029.75	5,003.53	20.39	18.96	-163.65	-97.71	2,450.23	2,910.85	2,873.91	36.94	78.800	
5,500.00	5,475.71	5,127.39	5,100.43	20.61	19.36	-163.64	-100.91	2,461.69	2,932.47	2,894.97	37.49	78.210	
5,600.00	5,575.17	5,225.02	5,197.34	20.67	19.76	-163.63	-104.10	2,473.15	2,954.08	2,916.21	37.87	78.004	
5,700.00	5,674.62	5,322.66	5,294.25	20.73	20.15	-163.62	-107.30	2,484.61	2,975.70	2,937.45	38.25	77.787	
5,800.00	5,774.07	5,420.29	5,391.15	20.80	20.51	-163.61	-110.49	2,496.07	2,997.32	2,958.71	38.61	77.635	
5,900.00	5,873.52	5,517.93	5,488.06	20.88	20.71	-163.60	-113.69	2,507.54	3,018.94	2,980.14	38.80	77.817	
6,000.00	5,972.97	5,615.56	5,584.97	20.97	20.78	-163.60	-116.88	2,519.00	3,040.55	3,001.70	38.85	78.264	
6,100.00	6,072.43	5,713.20	5,681.87	21.06	20.85	-163.59	-120.08	2,530.46	3,062.17	3,023.25	38.92	78.682	
6,200.00	6,171.88	5,810.83	5,778.78	21.16	20.94	-163.58	-123.27	2,541.92	3,083.79	3,044.79	39.00	79.071	
6,300.00	6,271.33	5,908.47	5,875.69	21.27	21.03	-163.57	-126.47	2,553.38	3,105.41	3,066.31	39.10	79.432	
6,400.00	6,370.78	6,006.10	5,972.60	21.38	21.13	-163.56	-129.67	2,564.84	3,127.02	3,087.82	39.20	79.764	
6,500.00	6,470.24	6,103.74	6,069.50	21.51	21.23	-163.56	-132.86	2,576.31	3,148.64	3,109.31	39.33	80.067	
6,600.00	6,569.69	6,201.37	6,166.41	21.63	21.34	-163.55	-136.06	2,587.77	3,170.26	3,130.80	39.46	80.341	
6,700.00	6,669.14	6,301.00	6,263.32	21.77	21.46	-163.54	-139.25	2,599.23	3,191.88	3,152.27	39.61	80.584	
6,800.00	6,768.59	6,403.36	6,360.22	21.91	21.59	-163.53	-142.45	2,610.69	3,213.49	3,173.72	39.77	80.795	
6,900.00	6,868.04	6,505.73	6,457.13	22.05	21.73	-163.53	-145.64	2,622.15	3,235.11	3,195.16	39.95	80.977	
7,000.00	6,967.50	6,608.09	6,554.04	22.21	21.88	-163.52	-148.84	2,633.61	3,256.73	3,216.59	40.14	81.131	
7,100.00	7,066.95	6,689.54	6,650.94	22.37	22.00	-163.51	-152.03	2,645.07	3,278.35	3,238.02	40.33	81.296	
7,200.00	7,166.40	6,787.18	6,747.85	22.53	22.15	-163.51	-155.23	2,656.54	3,299.96	3,259.43	40.54	81.408	
7,300.00	7,265.85	6,884.81	6,844.76	22.70	22.31	-163.50	-158.42	2,668.00	3,321.58	3,280.82	40.76	81.494	
7,400.00	7,365.31	6,982.45	6,941.66	22.88	22.47	-163.49	-161.62	2,679.46	3,343.20	3,302.21	40.99	81.556	
7,500.00	7,464.76	7,080.08	7,038.57	23.06	22.64	-163.48	-164.81	2,690.92	3,364.82	3,323.58	41.24	81.594	
7,600.00	7,564.21	7,177.72	7,135.48	23.25	22.81	-163.48	-168.01	2,702.38	3,386.44	3,344.94	41.50	81.610	
7,700.00	7,663.66	7,275.35	7,232.38	23.44	22.99	-163.47	-171.21	2,713.84	3,408.05	3,366.29	41.76	81.603	
7,800.00	7,763.11	7,372.99	7,329.29	23.63	23.18	-163.47	-174.40	2,725.31	3,429.67	3,387.63	42.04	81.575	
7,900.00	7,862.57	7,470.62	7,426.20	23.84	23.37	-163.46	-177.60	2,736.77	3,451.29	3,408.96	42.33	81.527	
8,000.00	7,962.02	7,568.25	7,523.10	24.04	23.57	-163.45	-180.79	2,748.23	3,472.91	3,430.28	42.63	81.459	
8,100.00	8,061.47	7,665.89	7,620.01	24.26	23.77	-163.45	-183.99	2,759.69	3,494.53	3,451.58	42.94	81.373	
8,200.00	8,160.92	7,763.52	7,716.92	24.47	23.97	-163.44	-187.18	2,771.15	3,516.15	3,472.88	43.27	81.268	
8,263.15	8,223.73	7,825.18	7,778.12	24.61	24.11	-163.44	-189.20	2,778.39	3,529.80	3,486.32	43.47	81.194	
8,300.00	8,260.39	7,861.19	7,813.86	24.69	24.19	-163.47	-190.38	2,782.62	3,537.60	3,494.00	43.60	81.144	
8,400.00	8,360.05	7,959.27	7,911.21	24.90	24.40	-163.54	-193.59	2,794.13	3,557.08	3,513.15	43.93	80.964	
8,500.00	8,459.90	8,057.79	8,008.99	25.09	24.62	-163.58	-196.81	2,805.70	3,574.10	3,529.82	44.28	80.720	
8,600.00	8,559.85	8,156.70	8,107.16	25.27	24.85	-163.60	-200.05	2,817.31	3,588.64	3,544.01	44.63	80.412	
8,663.15	8,623.00	8,219.32	8,169.32	25.38	25.00	89.63	-202.10	2,824.65	3,596.54	3,551.69	44.85	80.195	
8,700.00	8,659.85	8,700.00	8,406.97	25.43	26.00	89.73	-207.96	2,845.69	3,599.51	3,553.61	45.90	78.421	
8,800.00	8,759.85	8,779.07	8,727.85	25.59	26.07	89.76	-210.00	2,853.00	3,600.03	3,553.79	46.24	77.848	
8,900.00	8,859.85	8,879.07	8,827.85	25.75	26.22	89.76	-210.00	2,853.00	3,600.03	3,553.44	46.59	77.267	
9,000.00	8,959.85	8,979.07	8,927.85	25.91	26.38	89.76	-210.00	2,853.00	3,600.03	3,553.08	46.95	76.681	
9,100.00	9,059.85	9,079.07	9,027.85	26.08	26.55	89.76	-210.00	2,853.00	3,600.03	3,552.72	47.31	76.090	
9,200.00	9,159.85	9,179.07	9,127.85	26.25	26.71	89.76	-210.00	2,853.00	3,600.03	3,552.35	47.69	75.496	
9,300.00	9,259.85	9,279.07	9,227.85	26.43	26.89	89.76	-210.00	2,853.00	3,600.03	3,551.97	48.07	74.898	
9,400.00	9,359.85	9,379.07	9,327.85	26.61	27.06	89.76	-210.00	2,853.00	3,600.03	3,551.58	48.45	74.299	
9,500.00	9,459.85	9,479.07	9,427.85	26.79	27.24	89.76	-210.00	2,853.00	3,600.03	3,551.18	48.85	73.697	
9,600.00	9,559.85	9,579.07	9,527.85	26.97	27.42	89.76	-210.00	2,853.00	3,600.03	3,550.78	49.25	73.095	
9,700.00	9,659.85	9,679.07	9,627.85	27.16	27.61	89.76	-210.00	2,853.00	3,600.03	3,550.37	49.66	72.492	
9,800.00	9,759.85	9,779.07	9,727.85	27.35	27.80	89.76	-210.00	2,853.00	3,600.03	3,549.95	50.08	71.889	
9,900.00	9,859.85	9,879.07	9,827.85	27.55	27.99	89.76	-210.00	2,853.00	3,600.03	3,549.53	50.50	71.286	
10,000.00	9,959.85	9,979.07	9,927.85	27.75	28.19	89.76	-210.00	2,853.00	3,600.03	3,549.10	50.93	70.685	
10,100.00	10,059.85	10,079.07	10,027.85	27.95	28.38	89.76	-210.00	2,853.00	3,600.03	3,548.66	51.37	70.084	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 203H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12740-MWD - OWSG — 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
10,200.00	10,159.85	10,179.07	10,127.85	28.16	28.59	89.76	-210.00	2,853.00	3,600.03	3,548.22	51.81	69.486	
10,300.00	10,259.85	10,279.07	10,227.85	28.37	28.79	89.76	-210.00	2,853.00	3,600.03	3,547.77	52.26	68.889	
10,400.00	10,359.85	10,379.07	10,327.85	28.58	29.00	89.76	-210.00	2,853.00	3,600.03	3,547.32	52.71	68.295	
10,500.00	10,459.85	10,479.07	10,427.85	28.80	29.21	89.76	-210.00	2,853.00	3,600.03	3,546.86	53.17	67.704	
10,600.00	10,559.85	10,579.07	10,527.85	29.01	29.42	89.76	-210.00	2,853.00	3,600.03	3,546.39	53.64	67.116	
10,700.00	10,659.85	10,679.07	10,627.85	29.23	29.64	89.76	-210.00	2,853.00	3,600.03	3,545.92	54.11	66.531	
10,800.00	10,759.85	10,779.07	10,727.85	29.46	29.86	89.76	-210.00	2,853.00	3,600.03	3,545.44	54.59	65.950	
10,900.00	10,859.85	10,879.07	10,827.85	29.68	30.08	89.76	-210.00	2,853.00	3,600.03	3,544.96	55.07	65.372	
11,000.00	10,959.85	10,979.07	10,927.85	29.91	30.31	89.76	-210.00	2,853.00	3,600.03	3,544.47	55.56	64.799	
11,100.00	11,059.85	11,079.07	11,027.85	30.14	30.53	89.76	-210.00	2,853.00	3,600.03	3,543.98	56.05	64.230	
11,200.00	11,159.85	11,179.07	11,127.85	30.38	30.76	89.76	-210.00	2,853.00	3,600.03	3,543.49	56.55	63.666	
11,300.00	11,259.85	11,279.07	11,227.85	30.61	31.00	89.76	-210.00	2,853.00	3,600.03	3,542.98	57.05	63.106	
11,400.00	11,359.85	11,379.07	11,327.85	30.85	31.23	89.76	-210.00	2,853.00	3,600.03	3,542.48	57.55	62.551	
11,500.00	11,459.85	11,479.07	11,427.85	31.09	31.47	89.76	-210.00	2,853.00	3,600.03	3,541.97	58.06	62.001	
11,600.00	11,559.85	11,579.07	11,527.85	31.33	31.71	89.76	-210.00	2,853.00	3,600.03	3,541.45	58.58	61.456	
11,700.00	11,659.85	11,679.07	11,627.85	31.58	31.95	89.76	-210.00	2,853.00	3,600.03	3,540.93	59.10	60.917	
11,800.00	11,759.85	11,779.07	11,727.85	31.82	32.19	89.76	-210.00	2,853.00	3,600.03	3,540.41	59.62	60.382	
11,900.00	11,859.85	11,879.07	11,827.85	32.07	32.44	89.76	-210.00	2,853.00	3,600.03	3,539.88	60.15	59.853	
11,950.15	11,910.00	11,929.22	11,878.00	32.20	32.56	89.76	-210.00	2,853.00	3,600.03	3,539.62	60.41	59.590	
12,000.00	11,959.78	11,979.35	11,928.10	32.32	32.68	90.07	-208.66	2,852.99	3,600.03	3,539.36	60.67	59.335	
12,050.00	12,009.34	12,029.80	11,978.21	32.44	32.80	90.09	-203.01	2,852.96	3,600.03	3,539.11	60.92	59.096	
12,100.00	12,058.14	12,080.33	12,027.71	32.55	32.91	90.10	-192.96	2,852.91	3,600.04	3,538.89	61.15	58.873	
12,150.00	12,105.82	12,130.93	12,076.21	32.65	33.01	90.12	-178.55	2,852.84	3,600.04	3,538.67	61.37	58.665	
12,200.00	12,152.00	12,181.60	12,123.30	32.74	33.10	90.13	-159.90	2,852.74	3,600.04	3,538.47	61.57	58.472	
12,250.00	12,196.35	12,232.34	12,168.63	32.82	33.18	90.14	-137.13	2,852.62	3,600.04	3,538.28	61.76	58.291	
12,300.00	12,238.51	12,283.15	12,211.82	32.89	33.26	90.15	-110.40	2,852.48	3,600.04	3,538.10	61.94	58.119	
12,350.00	12,278.17	12,334.01	12,252.51	32.96	33.32	90.16	-79.92	2,852.32	3,600.04	3,537.92	62.12	57.952	
12,400.00	12,315.03	12,384.91	12,290.37	33.02	33.38	90.17	-45.92	2,852.14	3,600.04	3,537.75	62.30	57.787	
12,450.00	12,348.81	12,435.86	12,325.10	33.07	33.43	90.17	-8.66	2,851.95	3,600.05	3,537.57	62.48	57.620	
12,500.00	12,379.25	12,486.85	12,356.40	33.12	33.47	90.18	31.56	2,851.74	3,600.05	3,537.38	62.67	57.448	
12,550.00	12,406.12	12,537.85	12,384.01	33.17	33.52	90.18	74.43	2,851.51	3,600.05	3,537.18	62.87	57.266	
12,600.00	12,429.21	12,588.86	12,407.71	33.22	33.56	90.18	119.60	2,851.27	3,600.05	3,536.97	63.08	57.073	
12,650.00	12,448.35	12,639.92	12,427.30	33.27	33.60	90.19	166.70	2,851.03	3,600.05	3,536.74	63.31	56.865	
12,700.00	12,463.40	12,690.95	12,442.62	33.34	33.66	90.18	215.37	2,850.77	3,600.05	3,536.49	63.56	56.641	
12,750.15	12,474.25	12,742.14	12,453.58	38.63	39.21	90.18	265.35	2,850.51	3,600.05	3,536.27	63.78	56.448	
12,775.15	12,478.59	12,767.29	12,457.95	38.66	38.98	90.18	290.12	2,850.38	3,600.05	3,536.18	63.86	56.371	
12,800.00	12,482.59	12,794.62	12,462.25	38.68	39.01	90.19	317.10	2,850.23	3,600.05	3,536.08	63.97	56.280	
12,850.00	12,488.69	12,849.59	12,468.56	38.72	39.06	90.19	371.70	2,849.88	3,600.04	3,535.83	64.21	56.070	
12,900.00	12,492.19	12,904.53	12,471.71	38.78	39.12	90.18	426.55	2,849.46	3,600.02	3,535.53	64.49	55.819	
12,940.98	12,493.11	12,947.97	12,472.11	38.82	39.17	90.18	469.97	2,849.08	3,600.01	3,535.25	64.76	55.587	
12,941.88	12,493.11	12,948.86	12,472.10	38.82	39.17	90.18	470.87	2,849.07	3,600.01	3,535.24	64.77	55.582	
13,000.00	12,493.10	13,006.98	12,472.10	38.89	39.24	90.18	528.99	2,848.56	3,600.01	3,534.83	65.18	55.230	
13,100.00	12,493.10	13,106.98	12,472.10	39.03	39.39	90.18	628.98	2,847.67	3,600.01	3,533.99	66.02	54.530	
13,200.00	12,493.10	13,206.98	12,472.10	39.20	39.56	90.18	728.98	2,846.78	3,600.02	3,533.01	67.01	53.723	
13,300.00	12,493.10	13,306.98	12,472.10	39.39	39.76	90.18	828.98	2,845.90	3,600.02	3,531.87	68.15	52.825	
13,400.00	12,493.09	13,406.98	12,472.09	39.63	40.01	90.18	928.97	2,845.01	3,600.02	3,530.60	69.42	51.855	
13,500.00	12,493.09	13,506.98	12,472.09	39.91	40.30	90.18	1,028.97	2,844.12	3,600.02	3,529.18	70.84	50.819	
13,600.00	12,493.09	13,606.98	12,472.09	40.26	40.65	90.18	1,128.96	2,843.24	3,600.02	3,527.65	72.38	49.740	
13,700.00	12,493.09	13,706.98	12,472.09	40.67	41.07	90.18	1,228.96	2,842.35	3,600.03	3,526.00	74.03	48.629	
13,800.00	12,493.08	13,806.98	12,472.08	41.17	41.57	90.18	1,328.96	2,841.46	3,600.03	3,524.24	75.79	47.499	
13,900.00	12,493.08	13,906.98	12,472.08	41.76	42.15	90.18	1,428.95	2,840.58	3,600.03	3,522.37	77.66	46.358	
14,000.00	12,493.08	14,006.98	12,472.08	42.43	42.81	90.18	1,528.95	2,839.69	3,600.03	3,520.42	79.62	45.218	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 203H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12740-MWD - OWSG — 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	12,493.08	14,106.98	12,472.08	43.20	43.56	90.18	1,628.94	2,838.80	3,600.04	3,518.37	81.66	44.084	
14,200.00	12,493.07	14,206.98	12,472.07	44.04	44.39	90.18	1,728.94	2,837.92	3,600.04	3,516.25	83.79	42.964	
14,300.00	12,493.07	14,306.98	12,472.07	44.96	45.29	90.18	1,828.94	2,837.03	3,600.04	3,514.05	86.00	41.863	
14,400.00	12,493.07	14,406.98	12,472.07	45.94	46.25	90.18	1,928.93	2,836.14	3,600.04	3,511.78	88.27	40.786	
14,500.00	12,493.07	14,506.98	12,472.07	46.97	47.28	90.18	2,028.93	2,835.26	3,600.04	3,509.44	90.61	39.733	
14,600.00	12,493.06	14,606.98	12,472.06	48.06	48.35	90.18	2,128.92	2,834.37	3,600.05	3,507.04	93.00	38.708	
14,700.00	12,493.06	14,706.98	12,472.06	49.19	49.46	90.18	2,228.92	2,833.48	3,600.05	3,504.59	95.46	37.714	
14,800.00	12,493.06	14,806.98	12,472.06	50.35	50.62	90.18	2,328.92	2,832.60	3,600.05	3,502.09	97.96	36.750	
14,900.00	12,493.06	14,906.98	12,472.06	51.55	51.81	90.18	2,428.91	2,831.71	3,600.05	3,499.54	100.51	35.817	
15,000.00	12,493.06	15,006.98	12,472.05	52.78	53.03	90.18	2,528.91	2,830.82	3,600.06	3,496.95	103.11	34.916	
15,100.00	12,493.05	15,106.98	12,472.05	54.04	54.28	90.18	2,628.91	2,829.94	3,600.06	3,494.32	105.74	34.045	
15,200.00	12,493.05	15,206.98	12,472.05	55.33	55.55	90.18	2,728.90	2,829.05	3,600.06	3,491.65	108.41	33.206	
15,300.00	12,493.05	15,306.98	12,472.05	56.63	56.85	90.18	2,828.90	2,828.16	3,600.06	3,488.94	111.12	32.397	
15,400.00	12,493.05	15,406.98	12,472.05	57.96	58.17	90.18	2,928.89	2,827.28	3,600.06	3,486.20	113.86	31.617	
15,500.00	12,493.04	15,506.98	12,472.04	59.30	59.51	90.18	3,028.89	2,826.39	3,600.07	3,483.43	116.63	30.867	
15,600.00	12,493.04	15,606.98	12,472.04	60.66	60.86	90.18	3,128.89	2,825.51	3,600.07	3,480.64	119.43	30.143	
15,700.00	12,493.04	15,706.98	12,472.04	62.04	62.23	90.18	3,228.88	2,824.62	3,600.07	3,477.82	122.26	29.447	
15,800.00	12,493.04	15,806.98	12,472.04	63.43	63.62	90.18	3,328.88	2,823.73	3,600.07	3,474.97	125.10	28.777	
15,900.00	12,493.03	15,906.98	12,472.03	64.84	65.02	90.18	3,428.87	2,822.85	3,600.08	3,472.10	127.97	28.131	
16,000.00	12,493.03	16,006.98	12,472.03	66.26	66.43	90.18	3,528.87	2,821.96	3,600.08	3,469.21	130.87	27.510	
16,100.00	12,493.03	16,106.98	12,472.03	67.69	67.86	90.18	3,628.87	2,821.07	3,600.08	3,466.30	133.78	26.911	
16,200.00	12,493.03	16,206.98	12,472.03	69.13	69.30	90.18	3,728.86	2,820.19	3,600.08	3,463.37	136.71	26.334	
16,300.00	12,493.02	16,306.98	12,472.02	70.58	70.75	90.18	3,828.86	2,819.30	3,600.08	3,460.43	139.66	25.778	
16,400.00	12,493.02	16,406.98	12,472.02	72.04	72.20	90.18	3,928.85	2,818.41	3,600.09	3,457.47	142.62	25.242	
16,500.00	12,493.02	16,506.98	12,472.02	73.51	73.67	90.18	4,028.85	2,817.53	3,600.09	3,454.49	145.60	24.726	
16,600.00	12,493.02	16,606.98	12,472.02	74.99	75.14	90.18	4,128.85	2,816.64	3,600.09	3,451.50	148.59	24.228	
16,700.00	12,493.01	16,706.98	12,472.01	76.48	76.63	90.18	4,228.84	2,815.75	3,600.09	3,448.49	151.60	23.747	
16,800.00	12,493.01	16,806.98	12,472.01	77.97	78.12	90.18	4,328.84	2,814.87	3,600.10	3,445.47	154.62	23.283	
16,900.00	12,493.01	16,906.98	12,472.01	79.47	79.61	90.18	4,428.83	2,813.98	3,600.10	3,442.44	157.65	22.835	
17,000.00	12,493.01	17,006.98	12,472.01	80.98	81.12	90.18	4,528.83	2,813.09	3,600.10	3,439.40	160.70	22.403	
17,100.00	12,493.00	17,106.98	12,472.00	82.49	82.63	90.18	4,628.83	2,812.21	3,600.10	3,436.35	163.75	21.985	
17,200.00	12,493.00	17,206.98	12,472.00	84.01	84.14	90.18	4,728.82	2,811.32	3,600.10	3,433.29	166.82	21.581	
17,202.02	12,493.00	17,209.00	12,472.00	84.04	84.17	90.18	4,730.84	2,811.30	3,600.11	3,433.23	166.88	21.573	
17,242.10	12,493.00	17,243.16	12,472.00	84.65	84.69	90.18	4,765.00	2,811.00	3,600.11	3,432.09	168.02	21.427 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 214H - Prelim Plan A - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG — 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	88.10	118.00	3,558.00	3,560.41				
100.00	100.00	43.00	43.00	0.13	0.05	88.10	118.00	3,558.00	3,559.96	3,559.77	0.18	N/A	
200.00	200.00	143.00	143.00	0.49	0.28	88.10	118.00	3,558.00	3,559.96	3,559.19	0.77	4,640.620	
300.00	300.00	243.00	243.00	0.84	0.64	88.10	118.00	3,558.00	3,559.96	3,558.47	1.48	2,398.775	
400.00	400.00	343.00	343.00	1.20	1.00	88.10	118.00	3,558.00	3,559.96	3,557.76	2.20	1,617.415	
500.00	500.00	443.00	443.00	1.56	1.36	88.10	118.00	3,558.00	3,559.96	3,557.04	2.92	1,220.016	
600.00	600.00	543.00	543.00	1.92	1.72	88.10	118.00	3,558.00	3,559.96	3,556.32	3.63	979.382	
700.00	700.00	643.00	643.00	2.28	2.07	88.10	118.00	3,558.00	3,559.96	3,555.60	4.35	818.034	
800.00	800.00	743.00	743.00	2.64	2.43	88.10	118.00	3,558.00	3,559.96	3,554.89	5.07	702.329	CC, ES
900.00	899.99	842.99	842.99	2.98	2.79	-165.14	118.00	3,558.00	3,561.22	3,555.45	5.77	616.706	
1,000.00	999.91	942.91	942.91	3.33	3.15	-165.14	118.00	3,558.00	3,565.02	3,558.54	6.47	550.717	
1,100.00	1,099.69	1,042.69	1,042.69	3.67	3.51	-165.14	118.00	3,558.00	3,571.34	3,564.16	7.18	497.679	
1,200.00	1,199.27	1,142.27	1,142.27	4.03	3.86	-165.15	118.00	3,558.00	3,580.18	3,572.30	7.88	454.264	
1,300.00	1,298.72	1,241.72	1,241.72	4.39	4.22	-165.19	118.00	3,558.00	3,590.29	3,581.71	8.59	418.076	
1,400.00	1,398.17	1,341.17	1,341.17	4.76	4.58	-165.23	118.00	3,558.00	3,600.40	3,591.11	9.30	387.339	
1,500.00	1,497.63	1,440.63	1,440.63	5.13	4.93	-165.27	118.00	3,558.00	3,610.52	3,600.51	10.01	360.869	
1,600.00	1,597.08	1,540.08	1,540.08	5.51	5.29	-165.31	118.00	3,558.00	3,620.63	3,609.91	10.72	337.849	
1,700.00	1,696.53	1,639.53	1,639.53	5.89	5.65	-165.36	118.00	3,558.00	3,630.75	3,619.32	11.43	317.655	
1,800.00	1,795.98	1,738.98	1,738.98	6.27	6.00	-165.40	118.00	3,558.00	3,640.86	3,628.72	12.14	299.802	
1,900.00	1,895.43	1,838.43	1,838.43	6.65	6.36	-165.44	118.00	3,558.00	3,650.98	3,638.12	12.86	283.911	
2,000.00	1,994.89	1,937.89	1,937.89	7.04	6.72	-165.48	118.00	3,558.00	3,661.10	3,647.53	13.58	269.678	
2,100.00	2,094.34	2,037.34	2,037.34	7.42	7.07	-165.52	118.00	3,558.00	3,671.23	3,656.93	14.29	256.859	
2,200.00	2,193.79	2,136.79	2,136.79	7.81	7.43	-165.56	118.00	3,558.00	3,681.35	3,666.34	15.01	245.254	
2,300.00	2,293.24	2,236.24	2,236.24	8.20	7.79	-165.60	118.00	3,558.00	3,691.48	3,675.75	15.73	234.701	
2,400.00	2,392.70	2,335.70	2,335.70	8.59	8.14	-165.64	118.00	3,558.00	3,701.61	3,685.16	16.45	225.063	
2,500.00	2,492.15	2,435.15	2,435.15	8.97	8.50	-165.68	118.00	3,558.00	3,711.74	3,694.57	17.17	216.227	
2,600.00	2,591.60	2,534.60	2,534.60	9.36	8.85	-165.72	118.00	3,558.00	3,721.87	3,703.99	17.89	208.097	
2,700.00	2,691.05	2,634.05	2,634.05	9.75	9.21	-165.76	118.00	3,558.00	3,732.01	3,713.40	18.60	200.593	
2,800.00	2,790.50	2,733.50	2,733.50	10.15	9.57	-165.80	118.00	3,558.00	3,742.14	3,722.82	19.32	193.645	
2,900.00	2,889.96	2,832.96	2,832.96	10.54	9.92	-165.84	118.00	3,558.00	3,752.26	3,732.23	20.04	187.194	
3,000.00	2,989.41	2,932.41	2,932.41	10.93	10.28	-165.88	118.00	3,558.00	3,762.42	3,741.65	20.77	181.188	
3,100.00	3,088.86	3,031.86	3,031.86	11.32	10.64	-165.92	118.00	3,558.00	3,772.56	3,751.07	21.49	175.584	
3,200.00	3,188.31	3,131.31	3,131.31	11.71	10.99	-165.96	118.00	3,558.00	3,782.70	3,760.50	22.21	170.343	
3,300.00	3,287.77	3,230.77	3,230.77	12.11	11.35	-165.99	118.00	3,558.00	3,792.85	3,769.92	22.93	165.429	
3,400.00	3,387.22	3,330.22	3,330.22	12.50	11.71	-166.03	118.00	3,558.00	3,802.99	3,779.35	23.65	160.815	
3,500.00	3,486.67	3,429.67	3,429.67	12.89	12.06	-166.07	118.00	3,558.00	3,813.14	3,788.77	24.37	156.473	
3,600.00	3,586.12	3,529.12	3,529.12	13.28	12.42	-166.11	118.00	3,558.00	3,823.29	3,798.20	25.09	152.379	
3,700.00	3,685.57	3,628.57	3,628.57	13.68	12.78	-166.15	118.00	3,558.00	3,833.44	3,807.63	25.81	148.514	
3,800.00	3,785.03	3,728.03	3,728.03	14.07	13.13	-166.18	118.00	3,558.00	3,843.60	3,817.06	26.53	144.859	
3,900.00	3,884.48	3,827.48	3,827.48	14.47	13.49	-166.22	118.00	3,558.00	3,853.75	3,826.49	27.25	141.397	
4,000.00	3,983.93	3,926.93	3,926.93	14.86	13.85	-166.26	118.00	3,558.00	3,863.91	3,835.93	27.98	138.113	
4,100.00	4,083.38	4,026.38	4,026.38	15.25	14.20	-166.29	118.00	3,558.00	3,874.06	3,845.36	28.70	134.994	
4,200.00	4,182.84	4,125.84	4,125.84	15.65	14.56	-166.33	118.00	3,558.00	3,884.22	3,854.80	29.42	132.027	
4,300.00	4,282.29	4,225.29	4,225.29	16.04	14.92	-166.37	118.00	3,558.00	3,894.38	3,864.24	30.14	129.203	
4,400.00	4,381.74	4,324.74	4,324.74	16.44	15.27	-166.40	118.00	3,558.00	3,904.55	3,873.68	30.86	126.510	
4,500.00	4,481.19	4,424.19	4,424.19	16.83	15.63	-166.44	118.00	3,558.00	3,914.71	3,883.12	31.59	123.941	
4,600.00	4,580.64	4,523.64	4,523.64	17.23	15.98	-166.47	118.00	3,558.00	3,924.87	3,892.57	32.31	121.486	
4,700.00	4,680.10	4,623.10	4,623.10	17.62	16.34	-166.51	118.00	3,558.00	3,935.04	3,902.01	33.03	119.138	
4,800.00	4,779.55	4,722.55	4,722.55	18.02	16.70	-166.55	118.00	3,558.00	3,945.21	3,911.46	33.75	116.890	
4,900.00	4,879.00	4,822.00	4,822.00	18.41	17.05	-166.58	118.00	3,558.00	3,955.38	3,920.91	34.47	114.737	
5,000.00	4,978.45	4,913.22	4,913.22	18.81	17.38	-166.61	117.98	3,558.01	3,965.57	3,930.41	35.16	112.783	
5,100.00	5,077.90	4,974.46	4,974.45	19.20	17.59	-166.63	117.45	3,558.47	3,976.43	3,940.71	35.72	111.315	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 214H - Prelim Plan A - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG — 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
5,200.00	5,177.36	5,035.57	5,035.54	19.60	17.79	-166.63	116.17	3,559.56	3,988.24	3,951.97	36.27	109.948	
5,300.00	5,276.81	5,100.00	5,099.91	19.99	18.00	-166.62	114.01	3,561.39	4,001.00	3,964.17	36.83	108.631	
5,400.00	5,376.26	5,157.32	5,157.12	20.39	18.19	-166.60	111.39	3,563.60	4,014.71	3,977.35	37.36	107.465	
5,500.00	5,475.71	5,217.89	5,217.52	20.61	18.39	-166.57	107.92	3,566.55	4,029.36	3,991.64	37.72	106.819	
5,600.00	5,575.17	5,306.81	5,306.11	20.67	18.69	-166.51	102.03	3,571.54	4,044.70	4,006.68	38.02	106.388	
5,700.00	5,674.62	5,405.52	5,404.44	20.73	19.00	-166.45	95.47	3,577.10	4,060.07	4,021.72	38.35	105.858	
5,800.00	5,774.07	5,504.23	5,502.78	20.80	19.17	-166.38	88.90	3,582.67	4,075.45	4,036.91	38.54	105.749	
5,900.00	5,873.52	5,602.94	5,601.11	20.88	19.18	-166.32	82.34	3,588.23	4,090.83	4,052.25	38.58	106.031	
6,000.00	5,972.97	5,701.65	5,699.45	20.97	19.20	-166.26	75.78	3,593.80	4,106.22	4,067.58	38.64	106.274	
6,100.00	6,072.43	5,800.36	5,797.78	21.06	19.22	-166.19	69.22	3,599.36	4,121.61	4,082.91	38.71	106.478	
6,200.00	6,171.88	5,900.93	5,896.12	21.16	19.25	-166.13	62.66	3,604.92	4,137.01	4,098.22	38.79	106.640	
6,300.00	6,271.33	6,002.22	5,994.45	21.27	19.30	-166.07	56.09	3,610.49	4,152.41	4,113.52	38.89	106.762	
6,400.00	6,370.78	6,096.49	6,092.79	21.38	19.34	-166.01	49.53	3,616.05	4,167.82	4,128.81	39.00	106.954	
6,500.00	6,470.24	6,204.80	6,191.12	21.51	19.40	-165.95	42.97	3,621.61	4,183.23	4,144.09	39.14	106.887	
6,600.00	6,569.69	6,306.09	6,289.45	21.63	19.47	-165.89	36.41	3,627.18	4,198.65	4,159.37	39.28	106.892	
6,700.00	6,669.14	6,407.38	6,387.79	21.77	19.54	-165.83	29.85	3,632.74	4,214.07	4,174.63	39.44	106.860	
6,800.00	6,768.59	6,508.67	6,486.12	21.91	19.62	-165.77	23.28	3,638.30	4,229.49	4,189.88	39.61	106.791	
6,900.00	6,868.04	6,609.96	6,584.46	22.05	19.71	-165.71	16.72	3,643.87	4,244.92	4,205.13	39.79	106.687	
7,000.00	6,967.50	6,688.75	6,682.79	22.21	19.79	-165.66	10.16	3,649.43	4,260.35	4,220.39	39.96	106.604	
7,100.00	7,066.95	6,787.46	6,781.13	22.37	19.88	-165.60	3.60	3,654.99	4,275.79	4,235.62	40.17	106.443	
7,200.00	7,166.40	6,886.17	6,879.46	22.53	19.99	-165.54	-2.97	3,660.56	4,291.23	4,250.84	40.39	106.250	
7,300.00	7,265.85	6,984.88	6,977.80	22.70	20.10	-165.48	-9.53	3,666.12	4,306.68	4,266.06	40.62	106.027	
7,400.00	7,365.31	7,083.59	7,076.13	22.88	20.22	-165.43	-16.09	3,671.68	4,322.12	4,281.26	40.86	105.776	
7,500.00	7,464.76	7,182.30	7,174.46	23.06	20.35	-165.37	-22.65	3,677.25	4,337.58	4,296.46	41.12	105.496	
7,600.00	7,564.21	7,281.01	7,272.80	23.25	20.48	-165.32	-29.21	3,682.81	4,353.04	4,311.65	41.38	105.191	
7,700.00	7,663.66	7,379.72	7,371.13	23.44	20.61	-165.26	-35.78	3,688.38	4,368.50	4,326.84	41.66	104.860	
7,800.00	7,763.11	7,478.43	7,469.47	23.63	20.76	-165.21	-42.34	3,693.94	4,383.96	4,342.01	41.95	104.505	
7,900.00	7,862.57	7,577.14	7,567.80	23.84	20.91	-165.15	-48.90	3,699.50	4,399.43	4,357.18	42.25	104.129	
8,000.00	7,962.02	7,675.85	7,666.14	24.04	21.06	-165.10	-55.46	3,705.07	4,414.91	4,372.34	42.56	103.731	
8,100.00	8,061.47	7,774.56	7,764.47	24.26	21.22	-165.04	-62.02	3,710.63	4,430.38	4,387.50	42.88	103.314	
8,200.00	8,160.92	7,873.27	7,862.81	24.47	21.39	-164.99	-68.59	3,716.19	4,445.86	4,402.65	43.21	102.878	
8,263.15	8,223.73	7,935.61	7,924.90	24.61	21.50	-164.96	-72.73	3,719.71	4,455.64	4,412.21	43.43	102.594	
8,300.00	8,260.39	7,972.01	7,961.16	24.69	21.56	-164.96	-75.15	3,721.76	4,461.18	4,417.62	43.56	102.422	
8,400.00	8,360.05	8,071.01	8,059.78	24.90	21.74	-164.95	-81.73	3,727.34	4,474.49	4,430.59	43.91	101.910	
8,500.00	8,459.90	8,170.27	8,158.67	25.09	21.93	-164.93	-88.33	3,732.93	4,485.31	4,441.04	44.26	101.334	
8,600.00	8,559.85	8,269.74	8,257.77	25.27	22.11	-164.88	-94.94	3,738.54	4,493.61	4,448.98	44.63	100.697	
8,663.15	8,623.00	8,332.63	8,320.42	25.38	22.24	88.39	-99.12	3,742.08	4,497.56	4,452.70	44.85	100.274	
8,700.00	8,659.85	8,397.01	8,384.56	25.43	22.36	88.45	-103.26	3,745.59	4,499.54	4,454.49	45.05	99.874	
8,800.00	8,759.85	8,715.59	8,702.85	25.59	22.95	88.56	-112.00	3,753.00	4,501.42	4,455.53	45.89	98.095	
8,900.00	8,859.85	8,815.59	8,802.85	25.75	23.12	88.56	-112.00	3,753.00	4,501.42	4,455.19	46.23	97.366	
9,000.00	8,959.85	8,915.59	8,902.85	25.91	23.29	88.56	-112.00	3,753.00	4,501.42	4,454.84	46.58	96.631	
9,100.00	9,059.85	9,015.59	9,002.85	26.08	23.47	88.56	-112.00	3,753.00	4,501.42	4,454.48	46.94	95.890	
9,200.00	9,159.85	9,115.59	9,102.85	26.25	23.65	88.56	-112.00	3,753.00	4,501.42	4,454.11	47.31	95.144	
9,300.00	9,259.85	9,215.59	9,202.85	26.43	23.83	88.56	-112.00	3,753.00	4,501.42	4,453.73	47.69	94.394	
9,400.00	9,359.85	9,315.59	9,302.85	26.61	24.02	88.56	-112.00	3,753.00	4,501.42	4,453.35	48.07	93.640	
9,500.00	9,459.85	9,415.59	9,402.85	26.79	24.21	88.56	-112.00	3,753.00	4,501.42	4,452.96	48.46	92.884	
9,600.00	9,559.85	9,515.59	9,502.85	26.97	24.41	88.56	-112.00	3,753.00	4,501.42	4,452.56	48.86	92.125	
9,700.00	9,659.85	9,615.59	9,602.85	27.16	24.61	88.56	-112.00	3,753.00	4,501.42	4,452.15	49.27	91.366	
9,800.00	9,759.85	9,715.59	9,702.85	27.36	24.81	88.56	-112.00	3,753.00	4,501.42	4,451.74	49.68	90.607	
9,900.00	9,859.85	9,815.59	9,802.85	27.55	25.02	88.56	-112.00	3,753.00	4,501.42	4,451.32	50.10	89.847	
10,000.00	9,959.85	9,915.59	9,902.85	27.75	25.23	88.56	-112.00	3,753.00	4,501.42	4,450.89	50.53	89.089	
10,100.00	10,059.85	10,015.59	10,002.85	27.95	25.45	88.56	-112.00	3,753.00	4,501.42	4,450.46	50.96	88.332	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design: Leslie Fed Com - 214H - Prelim Plan A - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG, — **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
10,200.00	10,159.85	10,115.59	10,102.85	28.16	25.66	88.56	-112.00	3,753.00	4,501.42	4,450.02	51.40	87.576	
10,300.00	10,259.85	10,215.59	10,202.85	28.37	25.88	88.56	-112.00	3,753.00	4,501.42	4,449.57	51.85	86.824	
10,400.00	10,359.85	10,315.59	10,302.85	28.58	26.10	88.56	-112.00	3,753.00	4,501.42	4,449.12	52.30	86.074	
10,500.00	10,459.85	10,415.59	10,402.85	28.80	26.33	88.56	-112.00	3,753.00	4,501.42	4,448.66	52.75	85.327	
10,600.00	10,559.85	10,515.59	10,502.85	29.01	26.56	88.56	-112.00	3,753.00	4,501.42	4,448.20	53.22	84.584	
10,700.00	10,659.85	10,615.59	10,602.85	29.23	26.79	88.56	-112.00	3,753.00	4,501.42	4,447.73	53.69	83.846	
10,800.00	10,759.85	10,715.59	10,702.85	29.46	27.03	88.56	-112.00	3,753.00	4,501.42	4,447.26	54.16	83.112	
10,900.00	10,859.85	10,815.59	10,802.85	29.68	27.25	88.56	-112.00	3,753.00	4,501.42	4,446.78	54.64	82.382	
11,000.00	10,959.85	10,915.59	10,902.85	29.91	27.50	88.56	-112.00	3,753.00	4,501.42	4,446.29	55.13	81.658	
11,100.00	11,059.85	11,015.59	11,002.85	30.14	27.75	88.56	-112.00	3,753.00	4,501.42	4,445.80	55.62	80.939	
11,200.00	11,159.85	11,115.59	11,102.85	30.38	27.99	88.56	-112.00	3,753.00	4,501.42	4,445.31	56.11	80.225	
11,300.00	11,259.85	11,215.59	11,202.85	30.61	28.24	88.56	-112.00	3,753.00	4,501.42	4,444.81	56.61	79.517	
11,400.00	11,359.85	11,315.59	11,302.85	30.85	28.49	88.56	-112.00	3,753.00	4,501.42	4,444.31	57.11	78.816	
11,500.00	11,459.85	11,415.59	11,402.85	31.09	28.74	88.56	-112.00	3,753.00	4,501.42	4,443.80	57.62	78.120	
11,600.00	11,559.85	11,515.59	11,502.85	31.33	28.99	88.56	-112.00	3,753.00	4,501.42	4,443.28	58.13	77.431	
11,700.00	11,659.85	11,615.59	11,602.85	31.58	29.25	88.56	-112.00	3,753.00	4,501.42	4,442.77	58.65	76.748	
11,800.00	11,759.85	11,715.59	11,702.85	31.82	29.51	88.56	-112.00	3,753.00	4,501.42	4,442.25	59.17	76.072	
11,900.00	11,859.85	11,815.59	11,802.85	32.07	29.77	88.56	-112.00	3,753.00	4,501.42	4,441.72	59.70	75.402	
11,950.15	11,910.00	11,865.74	11,853.00	32.20	29.90	88.56	-112.00	3,753.00	4,501.42	4,441.45	59.96	75.069	
12,000.00	11,959.78	11,915.53	11,902.78	32.32	30.03	88.89	-112.00	3,753.00	4,501.38	4,441.15	60.22	74.743	
12,050.00	12,009.34	11,965.08	11,952.34	32.44	30.16	88.99	-112.00	3,753.00	4,501.25	4,440.77	60.48	74.426	
12,100.00	12,058.14	12,010.52	11,997.76	32.55	30.28	89.12	-111.17	3,752.99	4,501.09	4,440.37	60.72	74.134	
12,150.00	12,105.82	12,054.91	12,041.96	32.65	30.39	89.25	-107.08	3,752.97	4,500.92	4,439.99	60.94	73.863	
12,200.00	12,152.00	12,099.99	12,086.37	32.74	30.50	89.40	-99.43	3,752.91	4,500.78	4,439.63	61.15	73.605	
12,250.00	12,196.35	12,145.81	12,130.76	32.82	30.61	89.54	-88.10	3,752.83	4,500.65	4,439.30	61.35	73.362	
12,300.00	12,238.51	12,192.45	12,174.86	32.89	30.70	89.69	-72.97	3,752.73	4,500.54	4,438.99	61.54	73.130	
12,350.00	12,278.17	12,239.98	12,218.38	32.96	30.80	89.84	-53.91	3,752.59	4,500.45	4,438.72	61.73	72.906	
12,400.00	12,315.03	12,288.46	12,260.99	33.02	30.89	90.00	-30.83	3,752.43	4,500.39	4,438.48	61.91	72.687	
12,450.00	12,348.81	12,337.97	12,302.34	33.07	30.97	90.16	-3.62	3,752.24	4,500.36	4,438.26	62.10	72.470	
12,481.70	12,368.51	12,369.92	12,327.72	33.10	31.02	90.26	15.80	3,752.11	4,500.35	4,438.13	62.22	72.331	
12,500.00	12,379.25	12,388.58	12,342.02	33.12	31.05	90.32	27.78	3,752.02	4,500.35	4,438.07	62.29	72.250	
12,550.00	12,406.12	12,440.37	12,379.59	33.17	31.12	90.47	63.40	3,751.78	4,500.38	4,437.89	62.49	72.023	
12,600.00	12,429.21	12,493.41	12,414.57	33.22	31.19	90.63	103.23	3,751.50	4,500.43	4,437.73	62.69	71.783	
12,650.00	12,448.35	12,547.74	12,446.43	33.27	31.27	90.78	147.22	3,751.19	4,500.50	4,437.58	62.92	71.527	
12,700.00	12,463.40	12,603.42	12,474.61	33.34	31.37	90.93	195.22	3,750.86	4,500.60	4,437.43	63.17	71.250	
12,750.15	12,474.25	12,660.66	12,498.58	33.63	31.50	91.07	247.17	3,750.49	4,500.71	4,437.30	63.41	70.978	
12,775.15	12,478.59	12,689.83	12,508.77	33.66	31.57	91.14	274.49	3,750.30	4,500.75	4,437.23	63.53	70.846	
12,800.00	12,482.59	12,719.24	12,517.62	33.68	31.65	91.20	302.54	3,750.11	4,500.79	4,437.14	63.66	70.704	
12,850.00	12,488.69	12,779.29	12,531.18	33.72	36.99	91.28	361.01	3,749.70	4,500.88	4,436.95	63.92	70.410	
12,900.00	12,492.19	12,833.76	12,540.20	33.78	37.11	91.35	414.72	3,749.32	4,501.01	4,436.84	64.16	70.149	
12,941.88	12,493.11	12,883.56	12,546.06	33.82	37.14	91.40	464.16	3,748.94	4,501.14	4,436.73	64.41	69.882	
13,000.00	12,493.10	12,953.20	12,549.93	33.89	37.18	91.45	533.68	3,748.37	4,501.26	4,436.44	64.81	69.451	
13,100.00	12,493.10	13,056.27	12,550.10	39.03	37.23	91.45	636.75	3,747.46	4,501.27	4,435.67	65.60	68.616	
13,200.00	12,493.10	13,156.27	12,550.10	39.20	37.30	91.45	736.74	3,746.56	4,501.28	4,434.75	66.53	67.662	
13,300.00	12,493.10	13,256.27	12,550.10	39.39	37.36	91.45	836.74	3,745.70	4,501.26	4,433.68	67.60	66.587	
13,400.00	12,493.09	13,356.27	12,550.09	39.63	37.43	91.45	936.74	3,744.82	4,501.29	4,432.47	68.82	65.408	
13,500.00	12,493.09	13,456.27	12,550.09	39.91	37.52	91.45	1,036.73	3,743.94	4,501.30	4,431.12	70.17	64.146	
13,600.00	12,493.09	13,556.27	12,550.09	40.26	37.63	91.45	1,136.73	3,743.05	4,501.30	4,429.65	71.65	62.819	
13,700.00	12,493.09	13,656.27	12,550.09	40.67	37.78	91.45	1,236.72	3,742.17	4,501.31	4,428.05	73.26	61.445	
13,800.00	12,493.08	13,756.27	12,550.08	41.17	38.04	91.45	1,336.72	3,741.29	4,501.32	4,426.35	74.97	60.040	
13,900.00	12,493.08	13,856.27	12,550.08	41.76	38.52	91.45	1,436.72	3,740.41	4,501.33	4,424.53	76.79	58.617	
14,000.00	12,493.08	13,956.27	12,550.08	42.43	39.25	91.45	1,536.71	3,739.53	4,501.33	4,422.62	78.71	57.189	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 214H - Prelim Plan A - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG — **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	12,493.08	14,056.27	12,550.08	43.20	40.14	91.45	1,636.71	3,738.65	4,501.34	4,420.62	80.72	55.765	
14,200.00	12,493.07	14,156.27	12,550.07	44.04	41.12	91.45	1,736.71	3,737.76	4,501.35	4,418.53	82.81	54.356	
14,300.00	12,493.07	14,256.27	12,550.07	44.96	42.15	91.45	1,836.70	3,736.88	4,501.35	4,416.37	84.98	52.957	
14,400.00	12,493.07	14,356.27	12,550.07	45.94	43.24	91.45	1,936.70	3,736.00	4,501.36	4,414.13	87.23	51.605	
14,500.00	12,493.07	14,456.27	12,550.07	46.97	44.37	91.45	2,036.69	3,735.12	4,501.37	4,411.83	89.54	50.274	
14,600.00	12,493.06	14,556.27	12,550.06	48.06	45.53	91.45	2,136.69	3,734.24	4,501.37	4,409.47	91.91	48.977	
14,700.00	12,493.06	14,656.27	12,550.06	49.19	46.72	91.45	2,236.69	3,733.36	4,501.38	4,407.04	94.34	47.716	
14,800.00	12,493.06	14,756.27	12,550.06	50.35	47.95	91.45	2,336.68	3,732.47	4,501.39	4,404.57	96.82	46.493	
14,900.00	12,493.06	14,856.27	12,550.06	51.55	49.20	91.45	2,436.68	3,731.59	4,501.40	4,402.05	99.35	45.309	
15,000.00	12,493.06	14,956.27	12,550.05	52.78	50.47	91.45	2,536.67	3,730.71	4,501.40	4,399.48	101.93	44.164	
15,100.00	12,493.05	15,056.27	12,550.05	54.04	51.77	91.45	2,636.67	3,729.83	4,501.41	4,396.87	104.54	43.058	
15,200.00	12,493.05	15,156.27	12,550.05	55.33	53.08	91.45	2,736.67	3,728.95	4,501.42	4,394.22	107.20	41.991	
15,300.00	12,493.05	15,256.27	12,550.05	56.63	54.42	91.45	2,836.66	3,728.07	4,501.42	4,391.53	109.89	40.962	
15,400.00	12,493.05	15,356.27	12,550.04	57.96	55.77	91.45	2,936.66	3,727.18	4,501.43	4,388.81	112.62	39.971	
15,500.00	12,493.04	15,456.27	12,550.04	59.30	57.14	91.45	3,036.65	3,726.30	4,501.44	4,386.06	115.37	39.016	
15,600.00	12,493.04	15,556.27	12,550.04	60.66	58.53	91.45	3,136.65	3,725.42	4,501.44	4,383.28	118.16	38.096	
15,700.00	12,493.04	15,656.27	12,550.04	62.04	59.93	91.45	3,236.65	3,724.54	4,501.45	4,380.48	120.97	37.211	
15,800.00	12,493.04	15,756.27	12,550.04	63.43	61.34	91.45	3,336.64	3,723.66	4,501.46	4,377.65	123.81	36.358	
15,900.00	12,493.03	15,856.27	12,550.03	64.84	62.77	91.45	3,436.64	3,722.77	4,501.47	4,374.80	126.67	35.537	
16,000.00	12,493.03	15,956.27	12,550.03	66.26	64.20	91.45	3,536.64	3,721.89	4,501.47	4,371.92	129.55	34.746	
16,100.00	12,493.03	16,056.27	12,550.03	67.69	65.65	91.45	3,636.63	3,721.01	4,501.48	4,369.02	132.46	33.985	
16,200.00	12,493.03	16,156.27	12,550.03	69.13	67.10	91.45	3,736.63	3,720.13	4,501.49	4,366.11	135.38	33.251	
16,300.00	12,493.02	16,256.27	12,550.02	70.58	68.57	91.45	3,836.62	3,719.25	4,501.49	4,363.18	138.32	32.545	
16,400.00	12,493.02	16,356.27	12,550.02	72.04	70.04	91.45	3,936.62	3,718.37	4,501.50	4,360.23	141.27	31.864	
16,500.00	12,493.02	16,456.27	12,550.02	73.51	71.53	91.45	4,036.62	3,717.48	4,501.51	4,357.26	144.25	31.207	
16,600.00	12,493.02	16,556.27	12,550.02	74.99	73.02	91.45	4,136.61	3,716.60	4,501.51	4,354.28	147.23	30.574	
16,700.00	12,493.01	16,656.27	12,550.01	76.48	74.51	91.45	4,236.61	3,715.72	4,501.52	4,351.29	150.23	29.963	
16,800.00	12,493.01	16,756.27	12,550.01	77.97	76.02	91.45	4,336.60	3,714.84	4,501.53	4,348.28	153.25	29.374	
16,900.00	12,493.01	16,856.27	12,550.01	79.47	77.53	91.45	4,436.60	3,713.96	4,501.54	4,345.26	156.28	28.805	
17,000.00	12,493.01	16,956.27	12,550.01	80.98	79.04	91.45	4,536.60	3,713.08	4,501.54	4,342.23	159.31	28.256	
17,100.00	12,493.00	17,056.27	12,550.00	82.49	80.57	91.45	4,636.59	3,712.19	4,501.55	4,339.19	162.36	27.725	
17,200.00	12,493.00	17,156.27	12,550.00	84.01	82.09	91.45	4,736.59	3,711.31	4,501.56	4,336.14	165.42	27.213	
17,242.10	12,493.00	17,198.37	12,550.00	84.65	82.74	91.45	4,778.68	3,710.94	4,501.56	4,334.85	166.71	27.002 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 215H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12810-MWD - OWSG — **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	90.00	0.00	30.00	30.00				
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	30.00	30.00	29.75	0.25	117.871	
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	30.00	30.00	29.03	0.97	30.881	
300.00	300.00	300.00	300.00	0.84	0.84	90.00	0.00	30.00	30.00	28.31	1.69	17.768	
400.00	400.00	400.00	400.00	1.20	1.20	90.00	0.00	30.00	30.00	27.59	2.41	12.472	
500.00	500.00	500.00	500.00	1.56	1.56	90.00	0.00	30.00	30.00	26.88	3.12	9.608	
600.00	600.00	600.00	600.00	1.92	1.92	90.00	0.00	30.00	30.00	26.16	3.84	7.814	
700.00	700.00	700.00	700.00	2.28	2.28	90.00	0.00	30.00	30.00	25.44	4.56	6.584	
800.00	800.00	800.00	800.00	2.64	2.64	90.00	0.00	30.00	30.00	24.73	5.27	5.689	CC, ES
900.00	899.99	900.01	899.99	2.98	3.00	-163.92	0.00	30.00	31.26	25.28	5.98	5.228	SF
1,000.00	999.91	1,000.09	999.91	3.33	3.35	-165.69	0.00	30.00	35.04	28.37	6.68	5.247	
1,100.00	1,099.69	1,100.31	1,099.69	3.67	3.71	-167.90	0.00	30.00	41.41	34.03	7.38	5.610	
1,200.00	1,199.27	1,200.73	1,199.27	4.03	4.07	-170.06	0.00	30.00	50.40	42.31	8.09	6.229	
1,300.00	1,298.72	1,301.28	1,298.72	4.39	4.43	-171.76	0.00	30.00	60.72	51.92	8.80	6.900	
1,400.00	1,398.17	1,401.83	1,398.17	4.76	4.79	-172.97	0.00	30.00	71.08	61.57	9.51	7.474	
1,500.00	1,497.63	1,502.37	1,497.63	5.13	5.15	-173.87	0.00	30.00	81.47	71.25	10.22	7.969	
1,600.00	1,597.08	1,602.92	1,597.08	5.51	5.51	-174.57	0.00	30.00	91.87	80.93	10.94	8.400	
1,700.00	1,696.53	1,703.47	1,696.53	5.89	5.88	-175.12	0.00	30.00	102.28	90.63	11.65	8.778	
1,800.00	1,795.98	1,804.02	1,795.98	6.27	6.24	-175.57	0.00	30.00	112.70	100.33	12.37	9.112	
1,900.00	1,895.43	1,904.57	1,895.43	6.65	6.60	-175.95	0.00	30.00	123.12	110.04	13.09	9.409	
2,000.00	1,994.89	2,005.11	1,994.89	7.04	6.96	-176.27	0.00	30.00	133.55	119.75	13.80	9.675	
2,100.00	2,094.34	2,105.66	2,094.34	7.42	7.32	-176.54	0.00	30.00	143.99	129.46	14.52	9.915	
2,200.00	2,193.79	2,206.21	2,193.79	7.81	7.68	-176.77	0.00	30.00	154.42	139.18	15.24	10.131	
2,300.00	2,293.24	2,306.76	2,293.24	8.20	8.04	-176.98	0.00	30.00	164.86	148.90	15.96	10.328	
2,400.00	2,392.70	2,407.30	2,392.70	8.59	8.40	-177.16	0.00	30.00	175.30	158.62	16.68	10.508	
2,500.00	2,492.15	2,507.85	2,492.15	8.97	8.76	-177.32	0.00	30.00	185.74	168.34	17.40	10.673	
2,600.00	2,591.60	2,608.40	2,591.60	9.36	9.12	-177.46	0.00	30.00	196.18	178.06	18.12	10.824	
2,700.00	2,691.05	2,708.95	2,691.05	9.75	9.48	-177.59	0.00	30.00	206.62	187.78	18.85	10.964	
2,800.00	2,790.50	2,809.50	2,790.50	10.15	9.84	-177.70	0.00	30.00	217.07	197.50	19.57	11.094	
2,900.00	2,889.96	2,889.96	2,889.96	10.54	10.13	-177.81	0.00	30.00	227.51	207.30	20.22	11.254	
3,000.00	2,989.41	2,989.41	2,989.41	10.93	10.48	-177.90	0.00	30.00	237.96	217.02	20.93	11.367	
3,100.00	3,088.86	3,088.86	3,088.86	11.32	10.84	-177.99	0.00	30.00	248.40	226.75	21.65	11.472	
3,200.00	3,188.31	3,188.31	3,188.31	11.71	11.20	-178.07	0.00	30.00	258.85	236.48	22.37	11.571	
3,300.00	3,287.77	3,287.77	3,287.77	12.11	11.55	-178.15	0.00	30.00	269.30	246.21	23.09	11.663	
3,400.00	3,387.22	3,387.22	3,387.22	12.50	11.91	-178.22	0.00	30.00	279.75	255.94	23.81	11.750	
3,500.00	3,486.67	3,486.67	3,486.67	12.89	12.27	-178.28	0.00	30.00	290.19	265.67	24.53	11.831	
3,600.00	3,586.12	3,586.12	3,586.12	13.28	12.62	-178.34	0.00	30.00	300.64	275.40	25.25	11.908	
3,700.00	3,685.57	3,685.57	3,685.57	13.68	12.98	-178.40	0.00	30.00	311.09	285.13	25.97	11.981	
3,800.00	3,785.03	3,785.03	3,785.03	14.07	13.34	-178.45	0.00	30.00	321.54	294.86	26.68	12.050	
3,900.00	3,884.48	3,884.48	3,884.48	14.47	13.69	-178.50	0.00	30.00	331.99	304.59	27.40	12.115	
4,000.00	3,983.93	3,983.93	3,983.93	14.86	14.05	-178.54	0.00	30.00	342.44	314.32	28.12	12.176	
4,100.00	4,083.38	4,083.38	4,083.38	15.25	14.41	-178.59	0.00	30.00	352.89	324.05	28.84	12.235	
4,200.00	4,182.84	4,182.84	4,182.84	15.65	14.76	-178.63	0.00	30.00	363.34	333.78	29.56	12.290	
4,300.00	4,282.29	4,282.29	4,282.29	16.04	15.12	-178.67	0.00	30.00	373.79	343.51	30.28	12.343	
4,400.00	4,381.74	4,381.74	4,381.74	16.44	15.48	-178.70	0.00	30.00	384.24	353.24	31.00	12.394	
4,500.00	4,481.19	4,481.19	4,481.19	16.83	15.83	-178.74	0.00	30.00	394.69	362.97	31.72	12.442	
4,600.00	4,580.64	4,580.64	4,580.64	17.23	16.19	-178.77	0.00	30.00	405.14	372.70	32.44	12.488	
4,700.00	4,680.10	4,680.10	4,680.10	17.62	16.55	-178.80	0.00	30.00	415.59	382.43	33.16	12.532	
4,800.00	4,779.55	4,779.55	4,779.55	18.02	16.90	-178.83	0.00	30.00	426.04	392.16	33.88	12.574	
4,900.00	4,879.00	4,879.00	4,879.00	18.41	17.26	-178.86	0.00	30.00	436.49	401.89	34.60	12.615	
5,000.00	4,978.45	4,978.45	4,978.45	18.81	17.62	-178.88	0.00	30.00	446.94	411.62	35.32	12.654	
5,100.00	5,077.90	5,077.90	5,077.90	19.20	17.97	-178.91	0.00	30.00	457.39	421.35	36.04	12.691	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 215H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12810-MWD - OWSG — **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
5,200.00	5,177.36	5,177.36	5,177.36	19.60	18.33	-178.93	0.00	30.00	467.84	431.08	36.76	12.726	
5,300.00	5,276.81	5,276.81	5,276.81	19.99	18.68	-178.96	0.00	30.00	478.30	440.81	37.48	12.761	
5,400.00	5,376.26	5,376.26	5,376.26	20.39	19.04	-178.98	0.00	30.00	488.75	450.54	38.20	12.794	
5,500.00	5,475.71	5,475.71	5,475.71	20.61	19.26	-179.00	0.00	30.00	499.20	460.59	38.61	12.929	
5,600.00	5,575.17	5,572.99	5,572.98	20.67	19.31	-178.94	-0.61	30.33	509.81	471.15	38.66	13.187	
5,700.00	5,674.62	5,669.37	5,669.32	20.73	19.32	-178.64	-3.29	31.80	520.98	482.30	38.68	13.470	
5,800.00	5,774.07	5,765.44	5,765.22	20.80	19.34	-178.08	-8.09	34.42	532.75	494.04	38.71	13.764	
5,900.00	5,873.52	5,862.06	5,861.53	20.88	19.36	-177.32	-14.95	38.17	545.17	506.42	38.75	14.068	
6,000.00	5,972.97	5,960.95	5,960.04	20.97	19.39	-176.50	-22.51	42.31	557.85	519.03	38.82	14.370	
6,100.00	6,072.43	6,059.84	6,058.55	21.06	19.43	-175.72	-30.08	46.44	570.64	531.73	38.91	14.667	
6,200.00	6,171.88	6,158.72	6,157.06	21.16	19.48	-174.98	-37.64	50.58	583.53	544.52	39.00	14.961	
6,300.00	6,271.33	6,257.61	6,255.57	21.27	19.54	-174.27	-45.20	54.71	596.51	557.39	39.12	15.249	
6,400.00	6,370.78	6,356.49	6,354.08	21.38	19.60	-173.59	-52.76	58.84	609.58	570.33	39.25	15.532	
6,500.00	6,470.24	6,455.38	6,452.59	21.51	19.67	-172.93	-60.32	62.98	622.73	583.34	39.39	15.810	
6,600.00	6,569.69	6,554.26	6,551.10	21.63	19.74	-172.31	-67.89	67.11	635.95	596.41	39.54	16.082	
6,700.00	6,669.14	6,653.15	6,649.61	21.77	19.83	-171.71	-75.45	71.25	649.25	609.54	39.71	16.348	
6,800.00	6,768.59	6,752.04	6,748.12	21.91	19.92	-171.13	-83.01	75.38	662.62	622.72	39.90	16.608	
6,900.00	6,868.04	6,850.92	6,846.63	22.05	20.01	-170.58	-90.57	79.51	676.05	635.95	40.09	16.861	
7,000.00	6,967.50	6,949.81	6,945.14	22.21	20.12	-170.05	-98.14	83.65	689.54	649.23	40.30	17.108	
7,100.00	7,066.95	7,048.69	7,043.65	22.37	20.23	-169.53	-105.70	87.78	703.08	662.55	40.53	17.348	
7,200.00	7,166.40	7,147.58	7,142.16	22.53	20.34	-169.04	-113.26	91.92	716.68	675.92	40.76	17.581	
7,300.00	7,265.85	7,246.47	7,240.67	22.70	20.47	-168.57	-120.82	96.05	730.33	689.32	41.01	17.807	
7,400.00	7,365.31	7,345.35	7,339.17	22.88	20.60	-168.11	-128.38	100.18	744.02	702.75	41.27	18.026	
7,500.00	7,464.76	7,444.24	7,437.68	23.06	20.73	-167.67	-135.95	104.32	757.77	716.22	41.55	18.238	
7,600.00	7,564.21	7,543.12	7,536.19	23.25	20.88	-167.25	-143.51	108.45	771.55	729.72	41.83	18.444	
7,700.00	7,663.66	7,642.01	7,634.70	23.44	21.02	-166.84	-151.07	112.59	785.37	743.24	42.13	18.642	
7,800.00	7,763.11	7,740.89	7,733.21	23.63	21.18	-166.44	-158.63	116.72	799.24	756.80	42.44	18.833	
7,900.00	7,862.57	7,839.78	7,831.72	23.84	21.34	-166.06	-166.20	120.85	813.13	770.38	42.76	19.018	
8,000.00	7,962.02	7,938.67	7,930.23	24.04	21.50	-165.69	-173.76	124.99	827.07	783.98	43.09	19.195	
8,100.00	8,061.47	8,037.55	8,028.74	24.26	21.67	-165.33	-181.32	129.12	841.03	797.60	43.43	19.367	
8,200.00	8,160.92	8,136.44	8,127.25	24.47	21.85	-164.99	-188.88	133.26	855.03	811.25	43.78	19.531	
8,263.15	8,223.73	8,198.89	8,189.46	24.61	21.96	-164.78	-193.66	135.87	863.88	819.88	44.00	19.632	
8,300.00	8,260.39	8,235.35	8,225.78	24.69	22.03	-164.67	-196.45	137.39	868.88	824.75	44.14	19.685	
8,400.00	8,360.05	8,334.48	8,324.54	24.90	22.22	-164.35	-204.03	141.54	880.77	836.26	44.51	19.789	
8,500.00	8,459.90	8,433.84	8,423.52	25.09	22.41	-163.99	-211.63	145.69	890.18	845.30	44.88	19.834	
8,600.00	8,559.85	8,544.83	8,534.20	25.27	22.63	-163.61	-218.90	149.67	896.55	851.25	45.31	19.788	
8,663.15	8,623.00	8,615.83	8,605.11	25.38	22.76	89.81	-222.08	151.40	898.59	853.02	45.57	19.718	
8,700.00	8,659.85	8,657.32	8,646.57	25.43	22.84	89.90	-223.40	152.13	899.23	853.51	45.72	19.668	
8,800.00	8,759.85	8,770.03	8,759.25	25.59	23.05	90.00	-225.00	153.00	900.00	853.88	46.11	19.517	
8,900.00	8,859.85	8,870.62	8,859.85	25.75	23.22	90.00	-225.00	153.00	900.00	853.54	46.46	19.371	
9,000.00	8,959.85	8,970.62	8,959.85	25.91	23.39	90.00	-225.00	153.00	900.00	853.19	46.81	19.226	
9,100.00	9,059.85	9,070.62	9,059.85	26.08	23.57	90.00	-225.00	153.00	900.00	852.83	47.17	19.079	
9,200.00	9,159.85	9,170.62	9,159.85	26.25	23.75	90.00	-225.00	153.00	900.00	852.46	47.54	18.931	
9,300.00	9,259.85	9,270.62	9,259.85	26.43	23.94	90.00	-225.00	153.00	900.00	852.08	47.92	18.782	
9,400.00	9,359.85	9,370.62	9,359.85	26.61	24.12	90.00	-225.00	153.00	900.00	851.70	48.30	18.633	
9,500.00	9,459.85	9,470.62	9,459.85	26.79	24.32	90.00	-225.00	153.00	900.00	851.31	48.69	18.483	
9,600.00	9,559.85	9,570.62	9,559.85	26.97	24.51	90.00	-225.00	153.00	900.00	850.91	49.09	18.333	
9,700.00	9,659.85	9,670.62	9,659.85	27.16	24.71	90.00	-225.00	153.00	900.00	850.50	49.50	18.183	
9,800.00	9,759.85	9,770.62	9,759.85	27.36	24.92	90.00	-225.00	153.00	900.00	850.09	49.91	18.032	
9,900.00	9,859.85	9,870.62	9,859.85	27.55	25.13	90.00	-225.00	153.00	900.00	849.67	50.33	17.882	
10,000.00	9,959.85	9,970.62	9,959.85	27.75	25.34	90.00	-225.00	153.00	900.00	849.24	50.76	17.732	
10,100.00	10,059.85	10,070.62	10,059.85	27.95	25.55	90.00	-225.00	153.00	900.00	848.81	51.19	17.582	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 215H - OH - Prelim Plan A — Offset Site Error: 0.00 usft

Survey Program: 0-MWD - OWSG, 5461-MWD - OWSG, 12510-MWD - OWSG — 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
10,200.00	10,159.85	10,170.62	10,159.85	28.16	25.77	90.00	-225.00	153.00	900.00	848.37	51.63	17.432	
10,300.00	10,259.85	10,270.62	10,259.85	28.37	25.99	90.00	-225.00	153.00	900.00	847.93	52.07	17.283	
10,400.00	10,359.85	10,370.62	10,359.85	28.58	26.21	90.00	-225.00	153.00	900.00	847.47	52.53	17.134	
10,500.00	10,459.85	10,470.62	10,459.85	28.80	26.44	90.00	-225.00	153.00	900.00	847.02	52.98	16.986	
10,600.00	10,559.85	10,570.62	10,559.85	29.01	26.67	90.00	-225.00	153.00	900.00	846.55	53.45	16.839	
10,700.00	10,659.85	10,670.62	10,659.85	29.23	26.90	90.00	-225.00	153.00	900.00	846.08	53.92	16.693	
10,800.00	10,759.85	10,770.62	10,759.85	29.46	27.14	90.00	-225.00	153.00	900.00	845.61	54.39	16.547	
10,900.00	10,859.85	10,870.62	10,859.85	29.68	27.37	90.00	-225.00	153.00	900.00	845.13	54.87	16.403	
11,000.00	10,959.85	10,970.62	10,959.85	29.91	27.61	90.00	-225.00	153.00	900.00	844.65	55.35	16.259	
11,100.00	11,059.85	11,070.62	11,059.85	30.14	27.86	90.00	-225.00	153.00	900.00	844.16	55.84	16.117	
11,200.00	11,159.85	11,170.62	11,159.85	30.38	28.10	90.00	-225.00	153.00	900.00	843.66	56.34	15.975	
11,300.00	11,259.85	11,270.62	11,259.85	30.61	28.35	90.00	-225.00	153.00	900.00	843.16	56.84	15.835	
11,400.00	11,359.85	11,370.62	11,359.85	30.85	28.60	90.00	-225.00	153.00	900.00	842.66	57.34	15.696	
11,500.00	11,459.85	11,470.62	11,459.85	31.09	28.85	90.00	-225.00	153.00	900.00	842.15	57.85	15.558	
11,600.00	11,559.85	11,570.62	11,559.85	31.33	29.11	90.00	-225.00	153.00	900.00	841.64	58.36	15.422	
11,700.00	11,659.85	11,670.62	11,659.85	31.58	29.36	90.00	-225.00	153.00	900.00	841.12	58.88	15.286	
11,800.00	11,759.85	11,770.62	11,759.85	31.82	29.62	90.00	-225.00	153.00	900.00	840.60	59.40	15.152	
11,900.00	11,859.85	11,870.62	11,859.85	32.07	29.88	90.00	-225.00	153.00	900.00	840.08	59.92	15.019	
11,950.15	11,910.00	11,920.77	11,910.00	32.20	30.01	90.00	-225.00	153.00	900.00	839.81	60.19	14.953	
12,000.00	11,959.78	11,970.56	11,959.78	32.32	30.15	90.44	-225.00	153.00	900.01	839.56	60.45	14.889	
12,050.00	12,009.34	12,020.34	12,009.56	32.44	30.28	90.84	-224.92	153.00	900.09	839.38	60.71	14.826	
12,100.00	12,058.14	12,071.25	12,060.37	32.55	30.41	91.33	-221.81	152.98	900.24	839.27	60.96	14.767	
12,150.00	12,105.82	12,122.91	12,111.42	32.65	30.53	91.81	-214.06	152.94	900.45	839.24	61.21	14.712	
12,200.00	12,152.00	12,175.33	12,162.30	32.74	30.65	92.29	-201.53	152.88	900.72	839.29	61.43	14.662	
12,250.00	12,196.35	12,228.51	12,212.53	32.82	30.77	92.75	-184.12	152.79	901.04	839.40	61.65	14.616	
12,300.00	12,238.51	12,282.46	12,261.62	32.89	30.88	93.19	-161.78	152.67	901.41	839.56	61.85	14.574	
12,350.00	12,278.17	12,337.17	12,309.03	32.96	30.98	93.61	-134.52	152.53	901.80	839.76	62.04	14.535	
12,400.00	12,315.03	12,392.63	12,354.21	33.02	31.08	94.00	-102.39	152.36	902.22	839.98	62.23	14.498	
12,450.00	12,348.81	12,448.81	12,396.59	33.07	31.17	94.36	-65.56	152.17	902.63	840.21	62.42	14.461	
12,500.00	12,379.25	12,505.65	12,435.60	33.12	31.27	94.69	-24.24	151.95	903.03	840.42	62.61	14.423	
12,550.00	12,406.12	12,563.12	12,470.68	33.17	31.38	94.97	21.24	151.71	903.41	840.59	62.82	14.382	
12,600.00	12,429.21	12,621.13	12,501.29	33.22	31.50	95.22	70.49	151.45	903.75	840.71	63.04	14.336	
12,650.00	12,448.35	12,679.60	12,526.95	33.27	31.63	95.42	123.00	151.18	904.04	840.75	63.28	14.285	
12,700.00	12,463.40	12,738.45	12,547.24	33.34	31.79	95.57	178.22	150.89	904.26	840.70	63.56	14.228	
12,750.15	12,474.25	12,797.75	12,561.85	38.63	31.95	95.67	235.66	150.59	904.41	840.58	63.83	14.169	
12,775.15	12,478.59	12,824.79	12,566.69	38.66	37.04	95.68	262.26	150.45	904.42	840.50	63.93	14.148	
12,800.00	12,482.59	12,851.40	12,571.18	38.68	37.05	95.69	288.49	150.31	904.45	840.43	64.02	14.127	
12,850.00	12,488.69	12,907.83	12,578.42	38.72	37.08	95.72	344.44	149.96	904.49	840.22	64.26	14.075	
12,900.00	12,492.19	12,964.26	12,582.34	38.78	37.11	95.72	400.72	149.54	904.48	839.93	64.55	14.012	
12,941.88	12,493.11	13,011.51	12,583.06	38.82	37.14	95.71	447.97	149.14	904.45	839.62	64.83	13.951	
12,943.80	12,493.11	13,012.41	12,583.11	38.83	37.14	95.71	448.87	149.13	904.45	839.61	64.85	13.948	
13,000.00	12,493.10	13,068.61	12,583.10	38.89	37.17	95.71	505.06	148.63	904.46	839.21	65.25	13.862	
13,100.00	12,493.10	13,168.61	12,583.10	39.03	37.22	95.71	605.06	147.75	904.46	838.38	66.07	13.689	
13,200.00	12,493.10	13,268.61	12,583.10	39.20	37.28	95.71	705.05	146.86	904.46	837.41	67.05	13.489	
13,300.00	12,493.10	13,368.61	12,583.10	39.39	37.34	95.71	805.05	145.97	904.46	836.28	68.18	13.266	
13,400.00	12,493.09	13,468.61	12,583.09	39.63	37.40	95.71	905.05	145.08	904.46	835.02	69.44	13.025	
13,500.00	12,493.09	13,568.61	12,583.09	39.91	37.47	95.71	1,005.04	144.19	904.46	833.62	70.84	12.768	
13,600.00	12,493.09	13,668.61	12,583.09	40.26	37.57	95.71	1,105.04	143.31	904.46	832.10	72.36	12.499	
13,700.00	12,493.09	13,768.61	12,583.09	40.67	37.73	95.71	1,205.03	142.42	904.46	830.47	74.00	12.223	
13,800.00	12,493.08	13,868.61	12,583.08	41.17	38.20	95.71	1,305.03	141.53	904.46	828.72	75.74	11.941	
13,900.00	12,493.08	13,968.61	12,583.08	41.76	39.01	95.71	1,405.03	140.64	904.47	826.87	77.59	11.657	
14,000.00	12,493.08	14,068.61	12,583.08	42.43	39.95	95.71	1,505.02	139.76	904.47	824.93	79.53	11.372	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 215H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12810-MWD - OWSG — **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	12,493.08	14,168.61	12,583.08	43.20	40.95	95.71	1,605.02	136.87	904.47	822.90	81.56	11.089	
14,200.00	12,493.07	14,268.61	12,583.07	44.04	42.00	95.71	1,705.01	137.98	904.47	820.79	83.68	10.809	
14,300.00	12,493.07	14,368.61	12,583.07	44.96	43.09	95.71	1,805.01	137.09	904.47	818.61	85.86	10.534	
14,400.00	12,493.07	14,468.61	12,583.07	45.94	44.22	95.71	1,905.01	136.21	904.47	816.35	88.12	10.264	
14,500.00	12,493.07	14,568.61	12,583.07	46.97	45.38	95.71	2,005.00	135.32	904.47	814.03	90.44	10.001	
14,600.00	12,493.06	14,668.61	12,583.06	48.06	46.58	95.71	2,105.00	134.43	904.47	811.65	92.82	9.744	
14,700.00	12,493.06	14,768.61	12,583.06	49.19	47.80	95.71	2,205.00	133.54	904.48	809.22	95.26	9.495	
14,800.00	12,493.06	14,868.61	12,583.06	50.35	49.04	95.71	2,304.99	132.66	904.48	806.73	97.74	9.253	
14,900.00	12,493.06	14,968.61	12,583.06	51.55	50.32	95.71	2,404.99	131.77	904.48	804.20	100.28	9.020	
15,000.00	12,493.06	15,068.61	12,583.05	52.78	51.61	95.71	2,504.98	130.88	904.48	801.62	102.86	8.794	
15,100.00	12,493.05	15,168.61	12,583.05	54.04	52.92	95.71	2,604.98	129.99	904.48	799.00	105.48	8.575	
15,200.00	12,493.05	15,268.61	12,583.05	55.33	54.26	95.71	2,704.98	129.11	904.48	796.35	108.13	8.365	
15,300.00	12,493.05	15,368.61	12,583.05	56.63	55.61	95.71	2,804.97	128.22	904.48	793.66	110.82	8.161	
15,400.00	12,493.05	15,468.61	12,583.05	57.96	56.97	95.71	2,904.97	127.33	904.48	790.94	113.55	7.966	
15,500.00	12,493.04	15,568.61	12,583.04	59.30	58.36	95.71	3,004.96	126.44	904.49	788.18	116.30	7.777	
15,600.00	12,493.04	15,668.61	12,583.04	60.66	59.75	95.71	3,104.96	125.56	904.49	785.40	119.08	7.595	
15,700.00	12,493.04	15,768.61	12,583.04	62.04	61.16	95.71	3,204.96	124.67	904.49	782.59	121.89	7.420	
15,800.00	12,493.04	15,868.61	12,583.04	63.43	62.58	95.71	3,304.95	123.78	904.49	779.76	124.73	7.252	
15,900.00	12,493.03	15,968.61	12,583.03	64.84	64.02	95.71	3,404.95	122.89	904.49	776.91	127.58	7.090	
16,000.00	12,493.03	16,068.61	12,583.03	66.26	65.46	95.71	3,504.94	122.01	904.49	774.03	130.46	6.933	
16,100.00	12,493.03	16,168.61	12,583.03	67.69	66.91	95.71	3,604.94	121.12	904.49	771.14	133.35	6.783	
16,200.00	12,493.03	16,268.61	12,583.03	69.13	68.38	95.71	3,704.94	120.23	904.49	768.22	136.27	6.638	
16,300.00	12,493.02	16,368.61	12,583.02	70.58	69.85	95.71	3,804.93	119.34	904.50	765.29	139.20	6.498	
16,400.00	12,493.02	16,468.61	12,583.02	72.04	71.33	95.71	3,904.93	118.46	904.50	762.35	142.15	6.363	
16,500.00	12,493.02	16,568.61	12,583.02	73.51	72.82	95.71	4,004.92	117.57	904.50	759.38	145.12	6.233	
16,600.00	12,493.02	16,668.61	12,583.02	74.99	74.31	95.71	4,104.92	116.68	904.50	756.40	148.09	6.108	
16,700.00	12,493.01	16,768.61	12,583.01	76.48	75.82	95.71	4,204.92	115.79	904.50	753.41	151.09	5.987	
16,800.00	12,493.01	16,868.61	12,583.01	77.97	77.32	95.71	4,304.91	114.91	904.50	750.41	154.09	5.870	
16,900.00	12,493.01	16,968.61	12,583.01	79.47	78.84	95.71	4,404.91	114.02	904.50	747.39	157.11	5.757	
17,000.00	12,493.01	17,068.61	12,583.01	80.98	80.36	95.71	4,504.90	113.13	904.50	744.37	160.14	5.648	
17,100.00	12,493.00	17,168.61	12,583.00	82.49	81.89	95.71	4,604.90	112.24	904.50	741.33	163.18	5.543	
17,200.00	12,493.00	17,268.61	12,583.00	84.01	83.42	95.71	4,704.90	111.36	904.51	738.28	166.23	5.441	
17,242.10	12,493.00	17,310.70	12,583.00	84.65	84.06	95.71	4,746.99	110.98	904.51	736.99	167.51	5.400	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12795-MWD - OWSG — **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	19.00	1,998.00	1,998.35				
100.00	100.00	68.00	68.00	0.13	0.09	89.46	19.00	1,998.00	1,998.09	1,997.88	0.21	9,345.923	
200.00	200.00	168.00	168.00	0.49	0.37	89.46	19.00	1,998.00	1,998.09	1,997.23	0.86	2,332.182	
300.00	300.00	268.00	268.00	0.84	0.73	89.46	19.00	1,998.00	1,998.09	1,996.52	1.57	1,269.685	
400.00	400.00	368.00	368.00	1.20	1.09	89.46	19.00	1,998.00	1,998.09	1,995.80	2.29	872.287	
500.00	500.00	468.00	468.00	1.56	1.45	89.46	19.00	1,998.00	1,998.09	1,995.08	3.01	664.352	
600.00	600.00	568.00	568.00	1.92	1.80	89.46	19.00	1,998.00	1,998.09	1,994.37	3.72	536.469	
700.00	700.00	668.00	668.00	2.28	2.16	89.46	19.00	1,998.00	1,998.09	1,993.65	4.44	449.872	
800.00	800.00	768.00	768.00	2.64	2.52	89.46	19.00	1,998.00	1,998.09	1,992.93	5.16	387.346	CC, ES
900.00	899.99	867.99	867.99	2.98	2.88	-163.79	19.00	1,998.00	1,999.35	1,993.48	5.86	340.941	
1,000.00	999.91	967.91	967.91	3.33	3.24	-163.80	19.00	1,998.00	2,003.12	1,996.55	6.56	305.213	
1,100.00	1,099.69	1,067.69	1,067.69	3.67	3.60	-163.83	19.00	1,998.00	2,009.40	2,002.13	7.27	276.563	
1,200.00	1,199.27	1,167.27	1,167.27	4.03	3.95	-163.86	19.00	1,998.00	2,018.19	2,010.22	7.97	253.191	
1,300.00	1,298.72	1,266.72	1,266.72	4.39	4.31	-163.95	19.00	1,998.00	2,028.24	2,019.56	8.68	233.734	
1,400.00	1,398.17	1,366.17	1,366.17	4.76	4.67	-164.03	19.00	1,998.00	2,038.29	2,028.90	9.39	217.179	
1,500.00	1,497.63	1,465.63	1,465.63	5.13	5.02	-164.11	19.00	1,998.00	2,048.35	2,038.25	10.10	202.900	
1,600.00	1,597.08	1,565.08	1,565.08	5.51	5.38	-164.19	19.00	1,998.00	2,058.40	2,047.60	10.81	190.465	
1,700.00	1,696.53	1,664.53	1,664.53	5.89	5.74	-164.27	19.00	1,998.00	2,068.47	2,056.95	11.52	179.545	
1,800.00	1,795.98	1,763.98	1,763.98	6.27	6.09	-164.34	19.00	1,998.00	2,078.54	2,066.30	12.24	169.882	
1,900.00	1,895.43	1,863.43	1,863.43	6.65	6.45	-164.42	19.00	1,998.00	2,088.61	2,075.66	12.95	161.273	
2,000.00	1,994.89	1,962.89	1,962.89	7.04	6.81	-164.50	19.00	1,998.00	2,098.68	2,085.01	13.67	153.556	
2,100.00	2,094.34	2,062.34	2,062.34	7.42	7.16	-164.57	19.00	1,998.00	2,108.76	2,094.37	14.38	146.601	
2,200.00	2,193.79	2,161.79	2,161.79	7.81	7.52	-164.65	19.00	1,998.00	2,118.84	2,103.74	15.10	140.301	
2,300.00	2,293.24	2,261.24	2,261.24	8.20	7.87	-164.72	19.00	1,998.00	2,128.93	2,113.11	15.82	134.569	
2,400.00	2,392.70	2,360.70	2,360.70	8.59	8.23	-164.80	19.00	1,998.00	2,139.02	2,122.48	16.54	129.331	
2,500.00	2,492.15	2,460.15	2,460.15	8.97	8.59	-164.87	19.00	1,998.00	2,149.11	2,131.85	17.26	124.527	
2,600.00	2,591.60	2,559.60	2,559.60	9.36	8.94	-164.94	19.00	1,998.00	2,159.20	2,141.23	17.98	120.105	
2,700.00	2,691.05	2,659.05	2,659.05	9.75	9.30	-165.01	19.00	1,998.00	2,169.30	2,150.61	18.70	116.022	
2,800.00	2,790.50	2,758.50	2,758.50	10.15	9.66	-165.09	19.00	1,998.00	2,179.41	2,159.99	19.42	112.241	
2,900.00	2,889.96	2,857.96	2,857.96	10.54	10.01	-165.16	19.00	1,998.00	2,189.51	2,169.38	20.14	108.728	
3,000.00	2,989.41	2,957.41	2,957.41	10.93	10.37	-165.23	19.00	1,998.00	2,199.62	2,178.76	20.86	105.458	
3,100.00	3,088.86	3,056.86	3,056.86	11.32	10.73	-165.30	19.00	1,998.00	2,209.73	2,188.16	21.58	102.405	
3,200.00	3,188.31	3,156.31	3,156.31	11.71	11.08	-165.36	19.00	1,998.00	2,219.85	2,197.55	22.30	99.549	
3,300.00	3,287.77	3,255.77	3,255.77	12.11	11.44	-165.43	19.00	1,998.00	2,229.97	2,206.95	23.02	96.871	
3,400.00	3,387.22	3,355.22	3,355.22	12.50	11.80	-165.50	19.00	1,998.00	2,240.09	2,216.35	23.74	94.355	
3,500.00	3,486.67	3,454.67	3,454.67	12.89	12.15	-165.57	19.00	1,998.00	2,250.22	2,225.75	24.46	91.988	
3,600.00	3,586.12	3,554.12	3,554.12	13.28	12.51	-165.63	19.00	1,998.00	2,260.34	2,235.16	25.18	89.756	
3,700.00	3,685.57	3,653.57	3,653.57	13.68	12.87	-165.70	19.00	1,998.00	2,270.47	2,244.57	25.90	87.648	
3,800.00	3,785.03	3,753.03	3,753.03	14.07	13.22	-165.76	19.00	1,998.00	2,280.61	2,253.98	26.63	85.654	
3,900.00	3,884.48	3,852.48	3,852.48	14.47	13.58	-165.83	19.00	1,998.00	2,290.74	2,263.40	27.35	83.765	
4,000.00	3,983.93	3,951.93	3,951.93	14.86	13.94	-165.89	19.00	1,998.00	2,300.88	2,272.81	28.07	81.973	
4,100.00	4,083.38	4,051.38	4,051.38	15.25	14.29	-165.95	19.00	1,998.00	2,311.03	2,282.24	28.79	80.271	
4,200.00	4,182.84	4,150.84	4,150.84	15.65	14.65	-166.02	19.00	1,998.00	2,321.17	2,291.66	29.51	78.652	
4,300.00	4,282.29	4,250.29	4,250.29	16.04	15.00	-166.08	19.00	1,998.00	2,331.32	2,301.08	30.23	77.110	
4,400.00	4,381.74	4,349.74	4,349.74	16.44	15.36	-166.14	19.00	1,998.00	2,341.47	2,310.51	30.96	75.640	
4,500.00	4,481.19	4,449.19	4,449.19	16.83	15.72	-166.20	19.00	1,998.00	2,351.62	2,319.94	31.68	74.237	
4,600.00	4,580.64	4,548.64	4,548.64	17.23	16.07	-166.26	19.00	1,998.00	2,361.78	2,329.38	32.40	72.897	
4,700.00	4,680.10	4,648.10	4,648.10	17.62	16.43	-166.32	19.00	1,998.00	2,371.94	2,338.81	33.12	71.615	
4,800.00	4,779.55	4,747.55	4,747.55	18.02	16.79	-166.38	19.00	1,998.00	2,382.10	2,348.25	33.84	70.388	
4,900.00	4,879.00	4,847.00	4,847.00	18.41	17.14	-166.44	19.00	1,998.00	2,392.26	2,357.69	34.56	69.212	
5,000.00	4,978.45	4,946.45	4,946.45	18.81	17.50	-166.50	19.00	1,998.00	2,402.42	2,367.14	35.29	68.084	
5,100.00	5,077.90	5,045.90	5,045.90	19.20	17.86	-166.56	19.00	1,998.00	2,412.59	2,376.58	36.01	67.001	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12795-MWD - OWSG — **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
5,200.00	5,177.36	5,145.36	5,145.36	19.60	18.21	-166.61	19.00	1,998.00	2,422.76	2,386.03	36.73	65.961	
5,300.00	5,276.81	5,244.81	5,244.81	19.99	18.57	-166.67	19.00	1,998.00	2,432.94	2,395.48	37.45	64.961	
5,400.00	5,376.26	5,344.26	5,344.26	20.39	18.93	-166.73	19.00	1,998.00	2,443.11	2,404.94	38.17	63.999	
5,500.00	5,475.71	5,443.71	5,443.71	20.61	19.20	-166.78	19.00	1,998.00	2,453.29	2,414.65	38.64	63.489	
5,600.00	5,575.17	5,543.17	5,543.17	20.67	19.31	-166.84	19.00	1,998.00	2,463.47	2,424.71	38.76	63.565	
5,700.00	5,674.62	5,642.62	5,642.62	20.73	19.32	-166.89	19.00	1,998.00	2,473.65	2,434.87	38.78	63.785	
5,800.00	5,774.07	5,742.07	5,742.07	20.80	19.33	-166.95	19.00	1,998.00	2,483.84	2,445.02	38.82	63.982	
5,900.00	5,873.52	5,850.06	5,850.06	20.88	19.36	-167.00	18.68	1,997.94	2,493.95	2,455.07	38.88	64.145	
6,000.00	5,972.97	5,970.12	5,970.06	20.97	19.39	-166.99	15.29	1,997.26	2,503.39	2,464.43	38.96	64.255	
6,100.00	6,072.43	6,090.21	6,089.93	21.06	19.44	-166.89	8.19	1,995.84	2,512.01	2,472.96	39.06	64.319	
6,200.00	6,171.88	6,197.08	6,196.41	21.16	19.48	-166.75	-0.70	1,994.06	2,520.00	2,480.85	39.16	64.355	
6,300.00	6,271.33	6,303.42	6,295.54	21.27	19.54	-166.61	-9.20	1,992.36	2,527.95	2,488.68	39.27	64.368	
6,400.00	6,370.78	6,403.92	6,394.66	21.38	19.60	-166.48	-17.71	1,990.66	2,535.92	2,496.52	39.40	64.361	
6,500.00	6,470.24	6,504.42	6,493.78	21.51	19.67	-166.34	-26.21	1,988.96	2,543.89	2,504.35	39.54	64.333	
6,600.00	6,569.69	6,604.91	6,592.91	21.63	19.74	-166.21	-34.72	1,987.26	2,551.89	2,512.19	39.70	64.282	
6,700.00	6,669.14	6,705.41	6,692.03	21.77	19.83	-166.08	-43.22	1,985.56	2,559.89	2,520.02	39.87	64.209	
6,800.00	6,768.59	6,805.91	6,791.16	21.91	19.92	-165.94	-51.72	1,983.86	2,567.91	2,527.86	40.05	64.116	
6,900.00	6,868.04	6,906.41	6,890.28	22.05	20.02	-165.81	-60.23	1,982.15	2,575.94	2,535.70	40.25	64.002	
7,000.00	6,967.50	6,993.10	6,989.40	22.21	20.10	-165.68	-68.73	1,980.45	2,583.99	2,543.55	40.44	63.892	
7,100.00	7,066.95	7,107.40	7,088.53	22.37	20.23	-165.55	-77.23	1,978.75	2,592.05	2,551.37	40.68	63.716	
7,200.00	7,166.40	7,207.90	7,187.65	22.53	20.35	-165.42	-85.74	1,977.05	2,600.12	2,559.21	40.92	63.546	
7,300.00	7,265.85	7,308.40	7,286.77	22.70	20.47	-165.29	-94.24	1,975.35	2,608.21	2,567.04	41.17	63.358	
7,400.00	7,365.31	7,408.89	7,385.90	22.88	20.61	-165.17	-102.75	1,973.65	2,616.31	2,574.88	41.43	63.154	
7,500.00	7,464.76	7,509.39	7,485.02	23.06	20.74	-165.04	-111.25	1,971.95	2,624.42	2,582.72	41.70	62.934	
7,600.00	7,564.21	7,609.89	7,584.15	23.25	20.89	-164.91	-119.75	1,970.25	2,632.55	2,590.56	41.99	62.699	
7,700.00	7,663.66	7,689.61	7,683.27	23.44	21.01	-164.79	-128.26	1,968.55	2,640.68	2,598.43	42.25	62.497	
7,800.00	7,763.11	7,789.12	7,782.39	23.63	21.16	-164.66	-136.76	1,966.85	2,648.83	2,606.27	42.56	62.239	
7,900.00	7,862.57	7,888.62	7,881.52	23.84	21.32	-164.54	-145.27	1,965.15	2,656.99	2,614.12	42.88	61.969	
8,000.00	7,962.02	7,988.12	7,980.64	24.04	21.48	-164.42	-153.77	1,963.45	2,665.17	2,621.96	43.20	61.687	
8,100.00	8,061.47	8,087.62	8,079.76	24.26	21.66	-164.30	-162.27	1,961.75	2,673.36	2,629.81	43.54	61.395	
8,200.00	8,160.92	8,187.13	8,178.89	24.47	21.83	-164.17	-170.78	1,960.04	2,681.55	2,637.66	43.89	61.093	
8,263.15	8,223.73	8,249.96	8,241.49	24.61	21.95	-164.10	-176.15	1,958.97	2,686.74	2,642.62	44.12	60.897	
8,300.00	8,260.39	8,286.64	8,278.02	24.69	22.01	-164.06	-179.28	1,958.34	2,689.59	2,645.34	44.25	60.778	
8,400.00	8,360.05	8,386.26	8,377.26	24.90	22.20	-163.96	-187.80	1,956.64	2,695.64	2,651.02	44.62	60.413	
8,500.00	8,459.90	8,479.13	8,469.80	25.09	22.38	-163.84	-195.45	1,955.11	2,699.25	2,654.27	44.98	60.013	
8,600.00	8,559.85	8,566.28	8,556.77	25.27	22.54	-163.75	-200.89	1,954.02	2,700.78	2,655.46	45.32	59.591	
8,663.15	8,623.00	8,621.40	8,611.84	25.38	22.65	89.54	-203.32	1,953.54	2,700.70	2,655.17	45.53	59.312	
8,700.00	8,659.85	8,653.59	8,644.01	25.43	22.71	89.56	-204.38	1,953.32	2,700.45	2,654.80	45.66	59.149	
8,800.00	8,759.85	8,741.00	8,731.41	25.59	22.87	89.60	-205.92	1,953.02	2,700.09	2,654.10	45.98	58.721	
8,846.55	8,806.39	8,783.99	8,774.39	25.66	22.94	89.60	-206.00	1,953.00	2,700.07	2,653.93	46.14	58.523	
8,900.00	8,959.85	8,837.44	8,827.85	25.75	23.03	89.60	-206.00	1,953.00	2,700.07	2,653.75	46.32	58.290	
9,000.00	8,959.85	8,937.44	8,927.85	25.91	23.21	89.60	-206.00	1,953.00	2,700.07	2,653.39	46.67	57.851	
9,100.00	9,059.85	9,037.44	9,027.85	26.08	23.38	89.60	-206.00	1,953.00	2,700.07	2,653.03	47.03	57.408	
9,200.00	9,159.85	9,137.44	9,127.85	26.25	23.57	89.60	-206.00	1,953.00	2,700.07	2,652.67	47.40	56.961	
9,300.00	9,259.85	9,237.44	9,227.85	26.43	23.75	89.60	-206.00	1,953.00	2,700.07	2,652.29	47.78	56.513	
9,400.00	9,359.85	9,337.44	9,327.85	26.61	23.94	89.60	-206.00	1,953.00	2,700.07	2,651.91	48.16	56.062	
9,500.00	9,459.85	9,437.44	9,427.85	26.79	24.13	89.60	-206.00	1,953.00	2,700.07	2,651.51	48.55	55.610	
9,600.00	9,559.85	9,537.44	9,527.85	26.97	24.33	89.60	-206.00	1,953.00	2,700.07	2,651.11	48.95	55.157	
9,700.00	9,659.85	9,637.44	9,627.85	27.16	24.53	89.60	-206.00	1,953.00	2,700.07	2,650.71	49.36	54.703	
9,800.00	9,759.85	9,737.44	9,727.85	27.36	24.73	89.60	-206.00	1,953.00	2,700.07	2,650.30	49.77	54.249	
9,900.00	9,859.85	9,837.44	9,827.85	27.55	24.94	89.60	-206.00	1,953.00	2,700.07	2,649.88	50.19	53.795	
10,000.00	9,959.85	9,937.44	9,927.85	27.75	25.15	89.60	-206.00	1,953.00	2,700.07	2,649.45	50.62	53.342	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12795-MWD - OWSG — **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	10,059.85	10,037.44	10,027.85	27.95	25.37	89.60	-206.00	1,953.00	2,700.07	2,649.02	51.05	52.889	
10,200.00	10,159.85	10,137.44	10,127.85	28.16	25.59	89.60	-206.00	1,953.00	2,700.07	2,648.58	51.49	52.438	
10,300.00	10,259.85	10,237.44	10,227.85	28.37	25.81	89.60	-206.00	1,953.00	2,700.07	2,648.13	51.94	51.988	
10,400.00	10,359.85	10,337.44	10,327.85	28.58	26.03	89.60	-206.00	1,953.00	2,700.07	2,647.68	52.39	51.540	
10,500.00	10,459.85	10,437.44	10,427.85	28.80	26.26	89.60	-206.00	1,953.00	2,700.07	2,647.22	52.85	51.093	
10,600.00	10,559.85	10,537.44	10,527.85	29.01	26.49	89.60	-206.00	1,953.00	2,700.07	2,646.76	53.31	50.649	
10,700.00	10,659.85	10,637.44	10,627.85	29.23	26.72	89.60	-206.00	1,953.00	2,700.07	2,646.29	53.78	50.208	
10,800.00	10,759.85	10,737.44	10,727.85	29.46	26.95	89.60	-206.00	1,953.00	2,700.07	2,645.81	54.25	49.769	
10,900.00	10,859.85	10,837.44	10,827.85	29.68	27.19	89.60	-206.00	1,953.00	2,700.07	2,645.34	54.73	49.333	
11,000.00	10,959.85	10,937.44	10,927.85	29.91	27.43	89.60	-206.00	1,953.00	2,700.07	2,644.85	55.22	48.900	
11,100.00	11,059.85	11,037.44	11,027.85	30.14	27.68	89.60	-206.00	1,953.00	2,700.07	2,644.36	55.71	48.470	
11,200.00	11,159.85	11,137.44	11,127.85	30.38	27.92	89.60	-206.00	1,953.00	2,700.07	2,643.87	56.20	48.043	
11,300.00	11,259.85	11,237.44	11,227.85	30.61	28.17	89.60	-206.00	1,953.00	2,700.07	2,643.37	56.70	47.620	
11,400.00	11,359.85	11,337.44	11,327.85	30.85	28.42	89.60	-206.00	1,953.00	2,700.07	2,642.86	57.20	47.201	
11,500.00	11,459.85	11,437.44	11,427.85	31.09	28.67	89.60	-206.00	1,953.00	2,700.07	2,642.35	57.71	46.785	
11,600.00	11,559.85	11,537.44	11,527.85	31.33	28.93	89.60	-206.00	1,953.00	2,700.07	2,641.84	58.23	46.373	
11,700.00	11,659.85	11,637.44	11,627.85	31.58	29.18	89.60	-206.00	1,953.00	2,700.07	2,641.32	58.74	45.965	
11,800.00	11,759.85	11,737.44	11,727.85	31.82	29.44	89.60	-206.00	1,953.00	2,700.07	2,640.80	59.26	45.560	
11,900.00	11,859.85	11,837.44	11,827.85	32.07	29.71	89.60	-206.00	1,953.00	2,700.07	2,640.28	59.79	45.160	
11,950.15	11,910.00	11,887.60	11,878.00	32.20	29.84	89.60	-206.00	1,953.00	2,700.07	2,640.01	60.05	44.961	
12,000.00	11,959.78	11,937.38	11,927.78	32.32	29.97	89.94	-206.00	1,953.00	2,700.06	2,639.75	60.32	44.766	
12,024.85	11,984.49	11,962.08	11,952.49	32.38	30.03	90.00	-206.00	1,953.00	2,700.06	2,639.62	60.44	44.671	
12,050.00	12,009.34	11,986.94	11,977.34	32.44	30.10	90.08	-206.00	1,953.00	2,700.07	2,639.49	60.57	44.576	
12,100.00	12,058.14	12,036.72	12,027.09	32.55	30.23	90.27	-204.52	1,952.99	2,700.09	2,639.27	60.82	44.395	
12,150.00	12,105.82	12,087.41	12,077.42	32.65	30.35	90.47	-198.66	1,952.96	2,700.16	2,639.10	61.06	44.223	
12,200.00	12,152.00	12,138.99	12,127.90	32.74	30.48	90.67	-188.15	1,952.91	2,700.25	2,638.97	61.26	44.062	
12,250.00	12,196.35	12,191.49	12,176.10	32.82	30.59	90.86	-172.84	1,952.83	2,700.37	2,638.88	61.50	43.910	
12,300.00	12,238.51	12,244.94	12,227.55	32.89	30.70	91.04	-152.59	1,952.72	2,700.52	2,638.82	61.70	43.766	
12,350.00	12,278.17	12,299.36	12,275.73	32.96	30.81	91.22	-127.35	1,952.59	2,700.70	2,638.79	61.90	43.628	
12,400.00	12,315.03	12,354.74	12,322.09	33.02	30.92	91.39	-97.08	1,952.43	2,700.88	2,638.78	62.10	43.494	
12,450.00	12,348.81	12,411.09	12,366.02	33.07	31.02	91.56	-61.84	1,952.25	2,701.08	2,638.79	62.30	43.359	
12,500.00	12,379.25	12,468.36	12,406.92	33.12	31.13	91.71	-21.77	1,952.04	2,701.28	2,638.79	62.50	43.221	
12,550.00	12,406.12	12,526.53	12,444.15	33.17	31.25	91.84	22.89	1,951.80	2,701.48	2,638.77	62.71	43.076	
12,600.00	12,429.21	12,585.53	12,477.09	33.22	31.38	91.97	71.80	1,951.55	2,701.67	2,638.73	62.95	42.921	
12,650.00	12,448.35	12,645.27	12,505.14	33.27	31.51	92.07	124.52	1,951.27	2,701.84	2,638.64	63.20	42.752	
12,700.00	12,463.40	12,705.66	12,527.76	33.34	31.67	92.16	180.48	1,950.98	2,701.99	2,638.51	63.48	42.566	
12,750.15	12,474.25	12,766.76	12,544.53	38.63	33.27	92.22	239.20	1,950.67	2,702.10	2,638.35	63.75	42.389	
12,775.15	12,478.59	12,797.38	12,550.56	38.66	37.07	92.24	269.22	1,950.51	2,702.12	2,638.26	63.86	42.313	
12,775.78	12,478.70	12,798.15	12,550.69	38.66	37.16	92.24	269.98	1,950.51	2,702.12	2,638.26	63.86	42.311	
12,800.00	12,482.59	12,822.41	12,554.91	38.68	36.85	92.25	293.86	1,950.38	2,702.14	2,638.19	63.95	42.252	
12,850.00	12,488.69	12,892.12	12,562.59	38.72	36.90	92.24	363.11	1,949.93	2,702.11	2,637.88	64.23	42.069	
12,900.00	12,492.19	12,950.05	12,563.30	38.78	36.93	92.18	421.02	1,949.43	2,701.93	2,637.40	64.54	41.867	
12,941.46	12,493.11	13,008.50	12,563.30	38.82	36.95	92.17	462.47	1,949.06	2,701.88	2,637.03	64.85	41.663	
12,941.88	12,493.11	13,008.09	12,563.30	38.82	36.95	92.17	462.88	1,949.06	2,701.88	2,637.03	64.85	41.663	
13,000.00	12,493.10	13,050.03	12,563.29	38.89	36.98	92.17	521.00	1,948.54	2,701.88	2,636.67	65.21	41.431	
13,100.00	12,493.10	13,150.03	12,563.29	39.03	37.03	92.17	621.00	1,947.66	2,701.88	2,635.83	66.05	40.907	
13,200.00	12,493.10	13,250.03	12,563.28	39.20	37.08	92.17	720.99	1,946.77	2,701.89	2,634.85	67.04	40.304	
13,300.00	12,493.10	13,350.03	12,563.27	39.39	37.14	92.17	820.99	1,945.88	2,701.89	2,633.71	68.17	39.632	
13,400.00	12,493.09	13,450.03	12,563.26	39.63	37.19	92.17	920.99	1,945.00	2,701.89	2,632.44	69.45	38.904	
13,500.00	12,493.09	13,550.03	12,563.26	39.91	37.25	92.17	1,020.98	1,944.11	2,701.89	2,631.04	70.86	38.131	
13,600.00	12,493.09	13,650.03	12,563.25	40.26	37.32	92.17	1,120.98	1,943.23	2,701.90	2,629.51	72.39	37.324	
13,700.00	12,493.09	13,750.03	12,563.24	40.67	37.42	92.17	1,220.97	1,942.34	2,701.90	2,627.86	74.04	36.493	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12795-MWD - OWSG — **Offset Well Error:** 0.00 usft

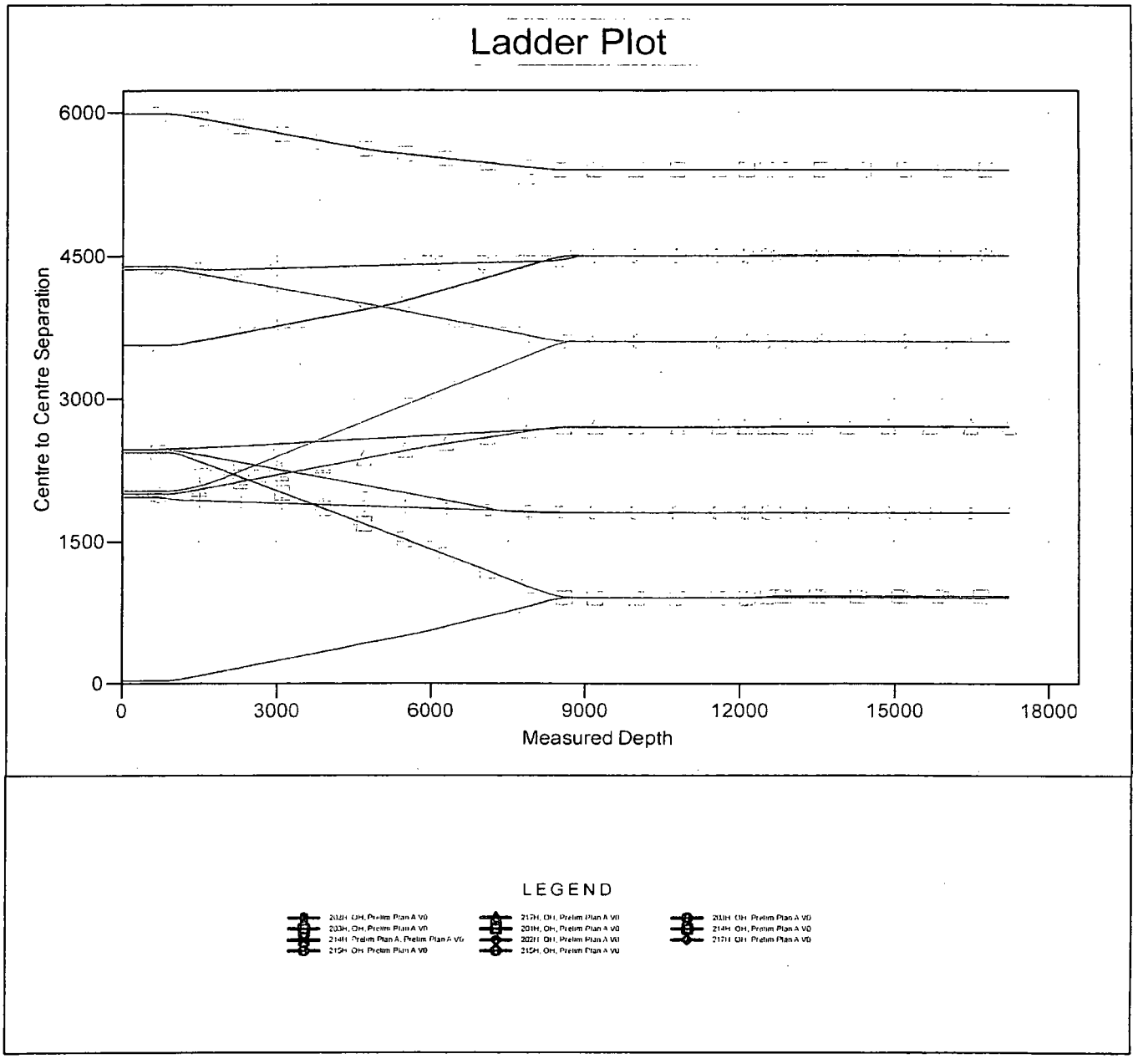
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,493.08	13,850.03	12,563.24	41.17	37.95	92.17	1,320.97	1,941.45	2,701.90	2,626.10	75.80	35.646	
13,900.00	12,493.08	13,950.03	12,563.23	41.76	38.85	92.17	1,420.97	1,940.57	2,701.90	2,624.24	77.66	34.792	
14,000.00	12,493.08	14,050.03	12,563.22	42.43	39.82	92.17	1,520.96	1,939.68	2,701.91	2,622.29	79.61	33.937	
14,100.00	12,493.08	14,150.03	12,563.22	43.20	40.84	92.17	1,620.96	1,938.80	2,701.91	2,620.25	81.66	33.088	
14,200.00	12,493.07	14,250.03	12,563.21	44.04	41.90	92.17	1,720.95	1,937.91	2,701.91	2,618.13	83.78	32.249	
14,300.00	12,493.07	14,350.03	12,563.20	44.96	43.00	92.17	1,820.95	1,937.02	2,701.91	2,615.93	85.98	31.424	
14,400.00	12,493.07	14,450.03	12,563.20	45.94	44.14	92.17	1,920.95	1,936.14	2,701.92	2,613.66	88.25	30.615	
14,500.00	12,493.07	14,550.03	12,563.19	46.97	45.30	92.17	2,020.94	1,935.25	2,701.92	2,611.33	90.59	29.826	
14,600.00	12,493.06	14,650.03	12,563.18	48.06	46.50	92.17	2,120.94	1,934.37	2,701.92	2,608.94	92.98	29.058	
14,700.00	12,493.06	14,750.03	12,563.18	49.19	47.73	92.17	2,220.94	1,933.48	2,701.92	2,606.49	95.43	28.312	
14,800.00	12,493.06	14,850.03	12,563.17	50.35	48.98	92.17	2,320.93	1,932.59	2,701.93	2,603.99	97.93	27.589	
14,900.00	12,493.06	14,950.03	12,563.16	51.55	50.25	92.17	2,420.93	1,931.71	2,701.93	2,601.45	100.48	26.890	
15,000.00	12,493.06	15,050.03	12,563.15	52.78	51.55	92.17	2,520.92	1,930.82	2,701.93	2,598.86	103.07	26.214	
15,100.00	12,493.05	15,150.03	12,563.15	54.04	52.87	92.17	2,620.92	1,929.94	2,701.93	2,596.23	105.71	25.561	
15,200.00	12,493.05	15,250.03	12,563.14	55.33	54.20	92.17	2,720.92	1,929.05	2,701.94	2,593.56	108.38	24.931	
15,300.00	12,493.05	15,350.03	12,563.13	56.63	55.56	92.17	2,820.91	1,928.16	2,701.94	2,590.86	111.08	24.324	
15,400.00	12,493.05	15,450.03	12,563.13	57.96	56.93	92.17	2,920.91	1,927.28	2,701.94	2,588.12	113.82	23.739	
15,500.00	12,493.04	15,550.03	12,563.12	59.30	58.31	92.17	3,020.90	1,926.39	2,701.94	2,585.36	116.58	23.176	
15,600.00	12,493.04	15,650.03	12,563.11	60.66	59.71	92.17	3,120.90	1,925.51	2,701.95	2,582.57	119.38	22.633	
15,700.00	12,493.04	15,750.03	12,563.11	62.04	61.12	92.16	3,220.90	1,924.62	2,701.95	2,579.75	122.20	22.111	
15,800.00	12,493.04	15,850.03	12,563.10	63.43	62.55	92.16	3,320.89	1,923.73	2,701.95	2,576.91	125.05	21.608	
15,900.00	12,493.03	15,950.03	12,563.09	64.84	63.98	92.16	3,420.89	1,922.85	2,701.95	2,574.04	127.91	21.123	
16,000.00	12,493.03	16,050.03	12,563.09	66.26	65.43	92.16	3,520.88	1,921.96	2,701.96	2,571.15	130.80	20.656	
16,100.00	12,493.03	16,150.03	12,563.08	67.69	66.88	92.16	3,620.88	1,921.08	2,701.96	2,568.25	133.71	20.207	
16,200.00	12,493.03	16,250.03	12,563.07	69.13	68.35	92.16	3,720.88	1,920.19	2,701.96	2,565.32	136.64	19.774	
16,300.00	12,493.02	16,350.03	12,563.06	70.58	69.82	92.16	3,820.87	1,919.30	2,701.96	2,562.38	139.59	19.357	
16,400.00	12,493.02	16,450.03	12,563.06	72.04	71.30	92.16	3,920.87	1,918.42	2,701.97	2,559.42	142.55	18.955	
16,500.00	12,493.02	16,550.03	12,563.05	73.51	72.79	92.16	4,020.86	1,917.53	2,701.97	2,556.44	145.53	18.567	
16,600.00	12,493.02	16,650.03	12,563.04	74.99	74.29	92.16	4,120.86	1,916.65	2,701.97	2,553.46	148.52	18.193	
16,700.00	12,493.01	16,750.03	12,563.04	76.48	75.79	92.16	4,220.86	1,915.76	2,701.97	2,550.45	151.52	17.832	
16,800.00	12,493.01	16,850.03	12,563.03	77.97	77.30	92.16	4,320.85	1,914.87	2,701.98	2,547.44	154.54	17.484	
16,900.00	12,493.01	16,950.03	12,563.02	79.47	78.82	92.16	4,420.85	1,913.99	2,701.98	2,544.41	157.57	17.148	
17,000.00	12,493.01	17,050.03	12,563.02	80.98	80.34	92.16	4,520.84	1,913.10	2,701.98	2,541.37	160.61	16.823	
17,100.00	12,493.00	17,150.03	12,563.01	82.49	81.87	92.16	4,620.84	1,912.22	2,701.98	2,538.32	163.66	16.510	
17,200.00	12,493.00	17,250.03	12,563.00	84.01	83.40	92.16	4,720.84	1,911.33	2,701.99	2,535.26	166.72	16.206	
17,242.10	12,493.00	17,292.13	12,563.00	84.65	84.04	92.16	4,762.93	1,910.96	2,701.99	2,533.97	168.01	16.082	SF

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Rig @ 3340.00usft (GL: 3311' + KB:29	Coordinates are relative to: Leslie Fed Com
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.50°



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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3340.00usft (GL: 3311' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	201H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Rig @ 3340.00usft (GL: 3311' + KB:29

Offset Depths are relative to Offset Datum

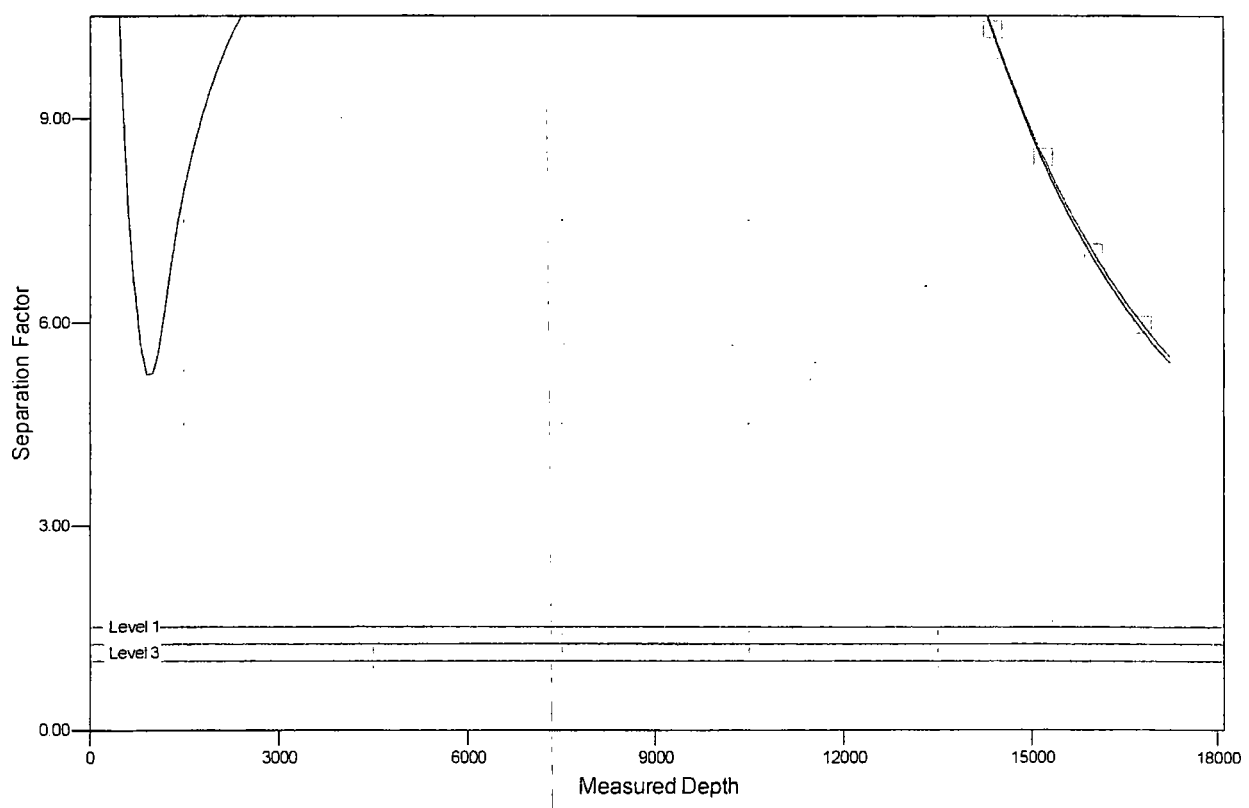
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Leslie Fed Com

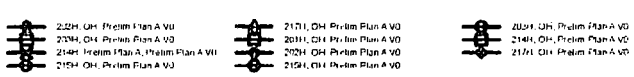
Coordinate System is US State Plane 1927 (Exact solution). New Mexico East 30

Grid Convergence at Surface is: 0.50°

Separation Factor Plot

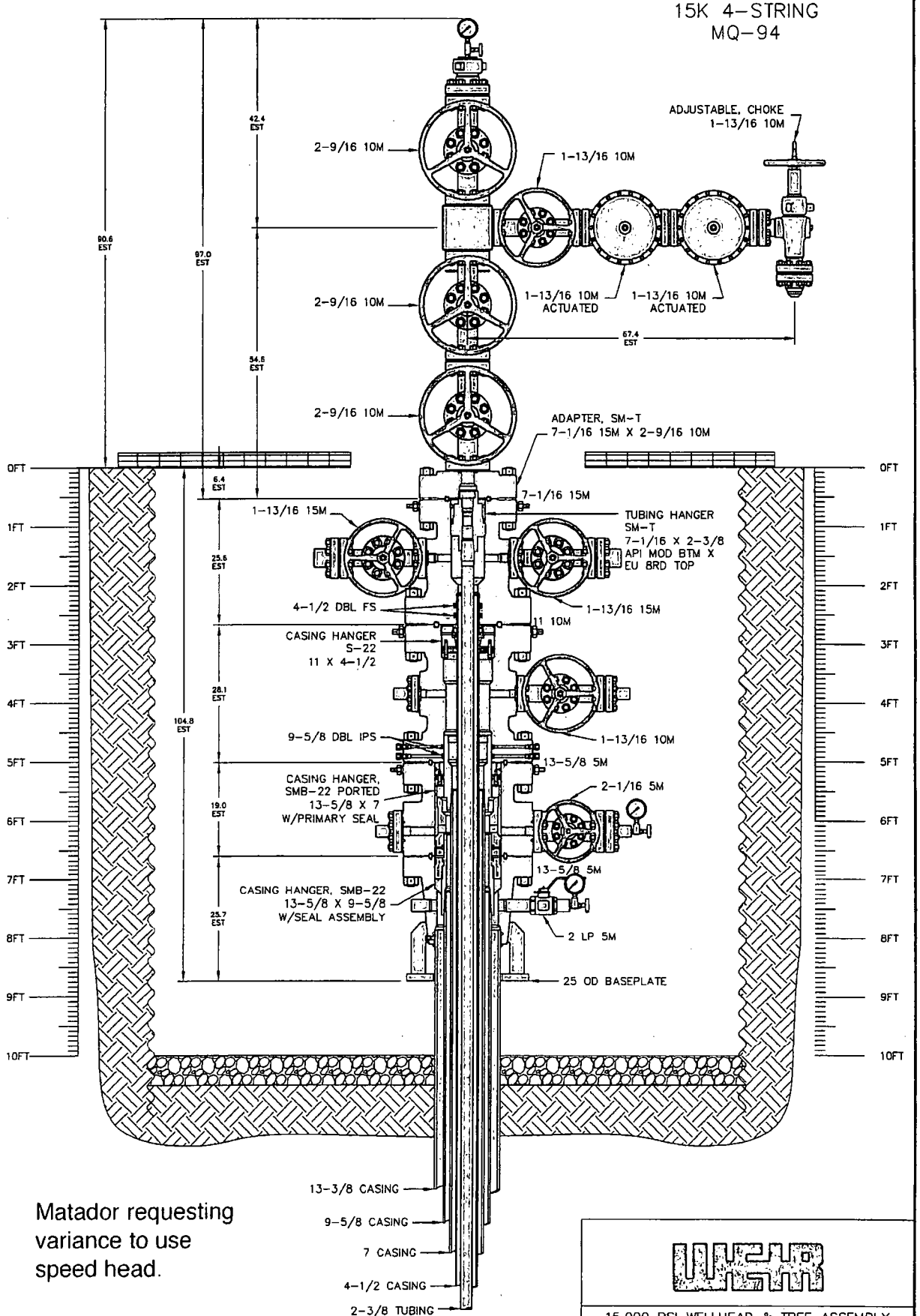


LEGEND



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

MATADOR
15K 4-STRING
MQ-94



Matador requesting variance to use speed head.

NOTE:
DIMENSIONS SHOWN ON THIS DRAWING ARE ESTIMATES ONLY AND CAN VARY SIGNIFICANTLY DEPENDING ON RAW MATERIAL LENGTHS. NO GUARANTEE OF STACKUP HEIGHT IS IMPLIED. DIMENSIONS SHOWN SHOULD BE CONSIDERED FOR REFERENCE PURPOSES ONLY.

WEIR

15,000 PSI WELLHEAD & TREE ASSEMBLY
13-3/8 X 9-5/8 X 7 X 4-1/2 X 2-3/8

DRAWN BY:	SCALE	DATE	REV
RPL	1:10	18JAN16	
CHECKED BY:	DRAWING NO.		
APPROVED BY:	P-20986		

Matador Production Company **DRILL PLAN PAGE 1**
Leslie Fed Com 201H
SHL 295' FSL & 1202' FWL
BHL 240' FNL & 450' FWL
Sec. 17, T. 25 S., R. 35 E., Lea County, NM

Drilling Program

1. ESTIMATED TOPS

Formation	TVD	MD	Bearing
Quaternary	000	000	water
Dewey Lake red bed sandstone	389	389	water
Rustler anhydrite	909	909	brine
Salado salt	1431	1433	barren
Castile anhydrite	3724	3738	barren
Base of salt	5451	5475	barren
Bell Canyon Sandstone	5474	5498	hydrocarbons
Cherry Canyon Sandstone	6468	6497	hydrocarbons
Brushy Canyon Sandstone	7918	7955	hydrocarbons
Bone Spring Limestone	9254	9294	hydrocarbons
1st Bone Spring Carbonate	10323	10363	hydrocarbons
1st Bone Spring Sand	10398	10438	hydrocarbons
2nd Bone Spring Carbonate	10606	10646	hydrocarbons
2nd Bone Spring Sand	10995	11035	hydrocarbons
3rd Bone Spring Carbonate	11455	11495	hydrocarbons
(KOP	11960	12000	hydrocarbons)
3rd Bone Spring Sand	12110	12157	hydrocarbons
Wolfcamp A Carbonate	12443	12619	hydrocarbons
TD	12493	17242	hydrocarbons

2. NOTABLE ZONES

Wolfcamp A is the goal. Hole will extend north of the last perforation point to allow for pump installation. All perforations will be ≥330' from the dedication perimeter. Closest water well (C02296) is 4834' northwest. Depth to water is 70' in this 300' deep well.

3. PRESSURE CONTROL

A BOP consisting of 3 rams with 2 pipe rams, 1 blind ram and one annular preventer. The BOP will be utilized below surface casing to TD. Also present will be an accumulator that meets the requirements of Onshore Order #2 for the pressure rating of the BOP stack. A rotating head will also be installed as needed. BOP will be inspected and operated as recommended in Onshore Order #2. A Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

Pressure tests will be conducted before drilling out from under all casing strings. BOP will be inspected and operated as required by Onshore Order 2. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. A third party company will test the BOPs.

After setting the surface casing, and before drilling the surface casing shoe, a minimum 2M BOPE system will be installed. It will be tested to 250 psi low and 2000 psi high. Annular will be tested to 250 psi low and 1000 psi high.

After setting intermediate 1 casing, a minimum 3M BOPE system will be installed and tested to 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 2500 psi high.

After setting intermediate 2 casing, a 10M system will be installed and tested to 250 psi low and 10000 psi high with the annular being tested to 250 psi low and 5000 psi high. The 11" 10 M flange on the wellhead will also be tested to 10000 psi at this time.

Matador requests a variance to have the option of running a speed head for setting the intermediate 1 and 2 strings. If running a speed head with landing mandrel for 9.625" and 7" casing, then a minimum 3M BOPE system will be installed after surface casing is set. BOP test pressures will be 250 psi low and 3000 psi high. Annular will be tested to 250 psi low and 2500 psi high before drilling below the surface shoe.

After 7" casing is set in the speed head, the BOP will then be lifted to install another casing head section for setting the production casing. Matador will nipple up the casing head and BOP and a minimum 10M BOPE system will be installed. Pressure tests will be made to 250 psi low and 10000 psi high. Annular will be tested to 250 psi low and 5000 psi high. A diagram of the speed head is attached.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not

required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

4. CASING & CEMENT

All casing will be API and new.

Hole O. D.	Set MD	Set TVD	Casing O. D.	Weight (lb/ft)	Grade	Joint	Collapse	Burst	Tension
17.5"	0' - 1000'	0' - 1000'	13.375" Surface	54.5	J-55	BTC	1.125	1.125	1.8
12.25"	0' - 5600'	0' - 5575'	9.625" Inter. 1	40	J-55	BTC	1.125	1.125	1.8
8.75"	0' - 12750'	0' – 12474'	7" Inter. 2	29	P-110	BTC	1.125	1.125	1.8
6.125"	0' – 17242'	0' – 12493'	4.5" Product.	13.5	P-110	BTC/TXP	1.125	1.125	1.8

Name	Type	Sacks	Yield	Cu. Ft.	Weight	Blend
Surface	Lead	200	1.82	364	12.8	Class C + Bentonite + 2% $CaCl_2$ + 3% NaCl + LCM
	Tail	700	1.38	966	14.8	Class C + 5% NaCl + LCM
TOC = GL		100% Excess			Centralizers per Onshore Order 2.III.B.1f	
Intermediate 1	Lead	1020	2.13	2172	12.6	Class C + Bentonite + 1% $CaCl_2$ + 8% NaCl + LCM
	Tail	540	1.38	745	14.8	Class C + 5% NaCl + LCM
TOC = GL		100% Excess			2 on btm jt, 1 on 2nd jt, 1 every 4th jt to surface	
Intermediate 2	Lead	550	2.36	1298	11.5	TXI + Fluid Loss + Dispersant + Retarder + LCM
	Tail	320	1.38	441	13.2	TXI + Fluid Loss + Dispersant + Retarder + LCM
TOC = 4600'		35% Excess			2 on btm jt, 1 on 2nd jt, 1 every other jt to top of tail cement (500' above TOC)	
Production	Tail	600	1.17	702	15.8	Class H + Fluid Loss + Dispersant + Retarder + LCM
TOC = 12200'		25% Excess			2 on btm jt, 1 on 2nd jt, 1 every third jt to top of curve	

5. MUD PROGRAM

An electronic Pason mud monitoring system complying with Onshore Order 1 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions. A closed loop system will be used.

Type	Interval (MD)	lb/gal	Viscosity	Fluid Loss
fresh water spud	0' - 1000'	8.3	28	NC
brine water	1000' - 5600'	10.0	30-32	NC
fresh water & cut brine	5600' - 12750'	9.0	30-31	NC
OBM	12750' - 17242'	12.5	50-60	<10

6. CORES, TESTS, & LOGS

No core or drill stem test is planned.

A 2-person mud-logging program will be used from ≈5600' to TD.

No electric logs are planned at this time. GR will be collected through the MWD tools from intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to TOC.

7. DOWN HOLE CONDITIONS

No abnormal pressure or temperature is expected. Maximum expected bottom hole pressure is ≈9000 psi. Expected bottom hole temperature is ≈170° F.

Matador does not anticipate that there will be enough H_2S from surface to the Bone Spring to meet BLM's minimum requirements for submitting an "H_2S Drilling Operation Plan" or "Public Protection Plan" for drilling and completing this well. Since Matador has an H_2S safety package on all wells, an "H_2S Drilling Operations Plan" is attached. Adequate flare lines will be installed off the mud/gas separator where gas will be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

8. OTHER INFORMATION

Anticipated spud date is upon approval. It is expected it will take ≈3 months to drill and complete the well.

Matador Production Company owns the majority working interest in this well. Per its discussions with its potential partners, Matador will be named operator upon execution of the final Operating Agreements signed by the partners or the issuance of a pooling order by the State.

APD ID: 10400022789 **Submission Date:** 10/05/2017

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: LESLIE FED COM **Well Number:** 201H

Well Type: OIL WELL **Well Work Type:** Drill

Highlighted data reflects the most recent changes

Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Leslie_201H_Road_Map_20170929120326.pdf

Existing Road Purpose: ACCESS **Row(s) Exist?** NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Leslie_201H_New_Road_Map_20170929120949.pdf

New road type: RESOURCE

Length: 235.58 Feet **Width (ft.):** 30

Max slope (%): 0 **Max grade (%):** 2

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Crowned and ditched; 18" x 50' culvert will be installed on the north side of the caliche road.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Surface Use Plan

1. ROAD DIRECTIONS & DESCRIPTIONS (See MAPS 1 - 5.1)

From the junction of NM 18 and NM 128 in Jal...
Go West 13.8 miles on NM 128 to the equivalent of Mile Post 38.7
Then turn left and go South 4.3 miles on a caliche road to a T-junction
Then turn left and go Southeast 1.0 mile on a caliche road
Then turn left and go Northeast 0.4 mile on a caliche road
Then turn left and go N 235.58' cross-country to the SE corner of the pad

Non-state roads will be maintained as needed to Gold Book standards. This includes pulling ditches, preserving the crown, and cleaning culverts and cattle guards. This will be done at least once a year, and more often as needed.

2. ROAD TO BE BUILT OR UPGRADED (See MAPS 4 - 5.1)

Four surface poly pipelines on the north side of the caliche road will be padded or otherwise protected. An 18" x 50' culvert will be installed on the north side of the caliche road. The 235.58' of new resource road will be crowned and ditched, have a 14' wide driving surface, and be surfaced with caliche. Maximum disturbed width = 30'. Maximum grade = 2%. Maximum cut or fill = 2'. No cattle guard or vehicle turn out is needed. Upgrading will consist of patching potholes with caliche.

3. EXISTING WELLS (See MAP 3)

Existing oil, water, and P & A wells are within a mile. No gas, disposal, or injection wells are within a mile radius.

4. PROPOSED PRODUCTION FACILITIES (MAP 10)

Production facilities will be on the south side of the pad. Gas line and power line plans have not been formulated.

5. WATER SUPPLY (See MAP 2)

Water will be trucked from Madera's existing water stations on private land in NWNE 21-24s-34e, SESW 30-24s-34e, and NENE 8-25s-35e.

6. CONSTRUCTION MATERIALS & METHODS (See MAPS 2 & 6-9)

NM One Call (811) will be notified before construction starts. Top ≈6" of soil and brush will be stockpiled west of the pad. Closed loop drilling system will be used. Caliche will be hauled from existing caliche pits on private land (Destiny pit in NENE 4-25s-35e & Madera pit in SENW 6-25s-35e).

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage. It will be hauled to the Lea County landfill. There will be no trash burning. Contents (drill cuttings, mud, salts, and other chemicals) of the mud tanks will be hauled to R360's state approved (NM-01-0006) disposal site at Halfway. Human waste will be disposed of in chemical toilets and hauled to the Jal wastewater treatment plant.

8. ANCILLARY FACILITIES

There will be no airstrip or camp. Camper trailers will be on location for the company man, tool pusher, and mud logger.

9. WELL SITE LAYOUT (See MAPS 6-10)

See Rig Layout diagram for depictions of the well pad, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION (See MAPS 8-10)

Interim reclamation will be completed within 6 months of completing the last well on the pad. Interim reclamation will consist of shrinking the pad ≈49% (1.57 acre) by removing caliche and reclaiming 65' area on the north and 150' on the west sides of the pad. This will leave 1.64 acres for the production equipment (e. g., tank battery, heater-treaters, separator), pump jacks, and tractor-trailer turn around. Disturbed areas will be contoured to match pre-construction grades. Soil and brush will be evenly spread over disturbed areas and harrowed on the contour. Disturbed areas will be seeded in accordance with BLM's requirements.

Enough stockpiled topsoil will be retained to cover the remainder of the pad when the last well is plugged. Once the last well is plugged, then the rest of the pad will be similarly reclaimed within 6 months of plugging. Noxious weeds will be controlled. Land use will be:

30' x 235.58' road = 0.16 acre
+ 350' x 400' pad = 3.21 acres
3.37 acres short term
- 1.57 acre pad interim reclamation
1.80 acres long term

11. SURFACE OWNER

All construction will be on BLM. Address is 620 E. Greene St., Carlsbad NM 88220. Phone number is (575) 234-5972.

12. OTHER INFORMATION

On site inspection was held with Vance Wolf on October 27, 2016.

Lone Mountain inspected and filed archaeology report NMCRIS 138869 on August 31, 2017.

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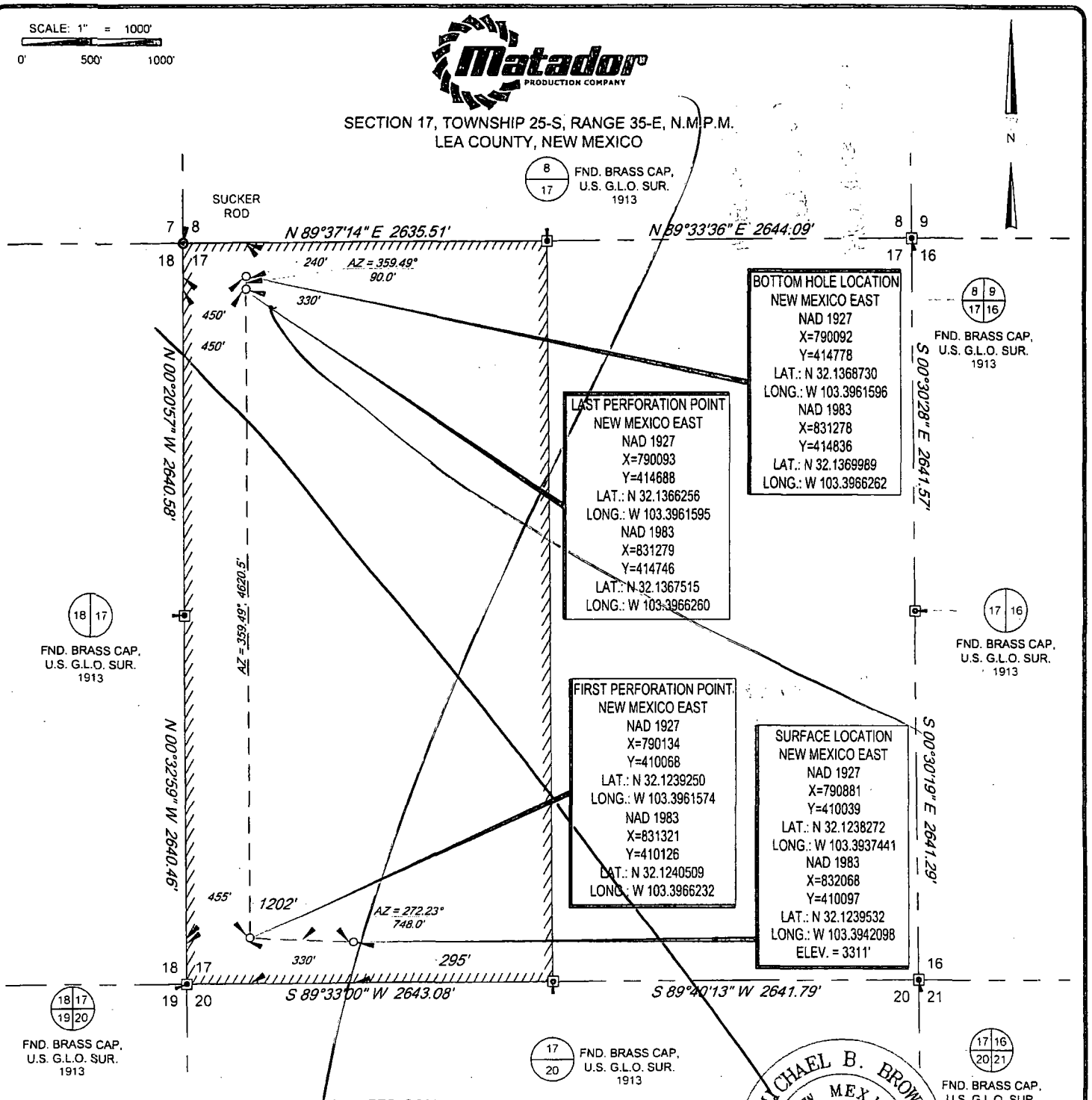

LEASE NAME & WELL NO.: LESLIE FED COM #201H

SECTION 17 TWP 25-S RGE 35-E SURVEY N.M.P.M.

COUNTY LEA STATE NM

DESCRIPTION 295' FSL & 1202' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 W. & NM-205 N GO WEST ON NM-128 ±13.8 MILES, THENCE SOUTH (LEFT) ON BATTLE AXE RD. ±0.3 MILES, THENCE SOUTH ON MADERA RD. ±1.4 MILES, THENCE SOUTHEAST (LEFT) ON LEASE RD. ±3.1 MILES, THENCE EAST (LEFT) ±1.0 MILES, THENCE NORTH (LEFT) ±0.3 MILES TO A POINT ±900 FEET SOUTH OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

MICHAEL B. BROWN NEW MEXICO 18329 PROFESSIONAL SURVEYOR

Michael Blake Brown, P.S. No. 18329

JANUARY 26, 2017

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