PECOS DISTRICT
DRILLING OPERATIONS
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Matador Production Company**
LEASE NO.:	**NMNM-136226**
WELL NAME & NO.:	**Leslie Fed Com 202H**
SURFACE HOLE FOOTAGE:	**0300' FSL & 2115' FEL**
BOTTOM HOLE FOOTAGE	**0240' FNL & 2250' FWL**
LOCATION:	**Section 17, T. 25 S., R 35 E., NMPM**
COUNTY:	**County, New Mexico**

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)

☐ **Lea County**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 3933612

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.

A. **Hydrogen Sulfide**

Approval Date: 01/29/2018

1. **Although Hydrogen Sulfide has not been reported in the area, it is always a potential hazard. If Hydrogen Sulfide is encountered, report measured amounts and formations to the BLM.**

2. 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. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a "Major" violation.**

3. 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 is located, this does not include the dog house or stairway area.

4. **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

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.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

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.

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.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possibility of water flows in the Castile and Salado formations
Possibility of lost circulation in the Rustler, Red Beds, and Delaware formations
Abnormal pressure may be encountered upon penetrating the 3rd Bone Spring Sandstone and all subsequent formations.

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. **If salt is encountered, set casing at least 25 feet above the salt.**

    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 is to include the lead cement slurry.**

    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.

Intermediate casing shall be kept fluid filled while running into hole to meet BLM minimum collapse requirements.

2. The minimum required fill of cement behind the **9-5/8** inch 1st intermediate casing is:

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

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

3. The minimum required fill of cement behind the 7 inch 1st intermediate casing is:

☐ Cement as proposed by operator. Operator shall provide method of verification.

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe (not the mud weight required to prevent dissolving the salt formation) and the mud weight for the bottom of the hole. Report results to BLM office.

Centralizers required through the curve and a minimum of one every other joint.

4. The minimum required fill of cement behind the **4-1/2** inch production casing is:

☐ Cement as proposed by operator. Operator shall provide method of verification.

5. 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.

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 53.

2. Variance approved to use flex line from BOP to choke manifold. 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.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be psi.

    a. **For surface casing only:** If the BOP/BOPE is to be tested against casing, the wait on cement (WOC) time for that casing is to be met (see WOC statement at start of casing section). Independent service company required.

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

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

Variance approved to use a 5M annular. The annular must be tested to full working pressure (5000 psi.)

6. The appropriate BLM office shall be notified a minimum of 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).

    a. 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).

b. 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.

c. The results of the test shall be reported to the appropriate BLM office.

d. 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.**

e. 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.

f. 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. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

E. 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.
JAM 012518

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
LEASE NO.:	NMNM136226
WELL NAME & NO.:	LESLIE FED COM 202H
SURFACE HOLE FOOTAGE:	300'/S & 2115'/E
BOTTOM HOLE FOOTAGE	240'/N & 2250'/W
LOCATION:	SECTION 17, T25S, R35E
COUNTY:	LEA

TABLE OF CONTENTS

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

Approval Date: 01/29/2018

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.

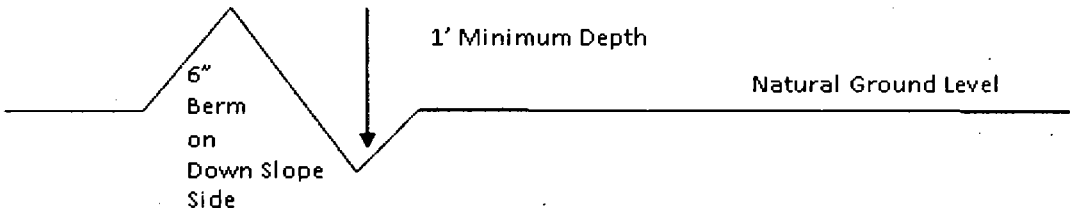
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

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

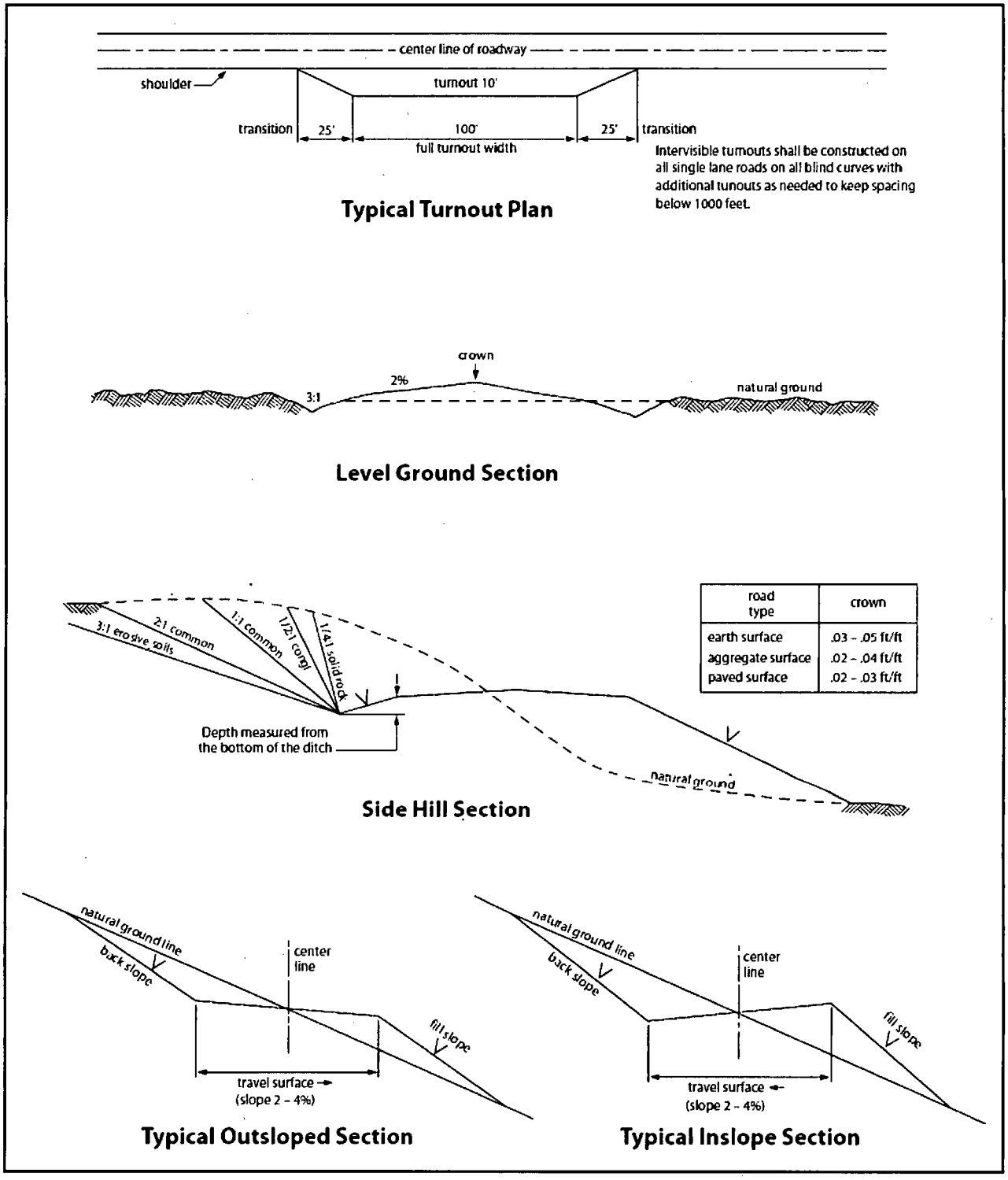


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

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

Approval Date: 01/29/2018

Matador Production Company **DRILL PLAN PAGE 1**
Leslie Fed Com 202H
SHL 300' FSL & 2115' FEL
BHL 240' FNL & 2250' 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	366	366	water
Rustler anhydrite	910	910	brine
Salado salt	1436	1440	barren
Castile anhydrite	3725	3746	barren
Base of salt	5461	5495	barren
Bell Canyon Sandstone	5474	5508	hydrocarbons
Cherry Canyon Sandstone	6473	6515	hydrocarbons
Brushy Canyon Sandstone	7895	7947	hydrocarbons
Bone Spring Limestone	9228	9284	hydrocarbons
1st Bone Spring Carbonate	10296	10352	hydrocarbons
1st Bone Spring Sand	10362	10418	hydrocarbons
2nd Bone Spring Carbonate	10584	10640	hydrocarbons
2nd Bone Spring Sand	10970	11026	hydrocarbons
3rd Bone Spring Carbonate	11514	11570	hydrocarbons
(KOP	11893	11950	hydrocarbons)
3rd Bone Spring Sand	12192	12267	hydrocarbons
Wolfcamp A Carbonate	12423	12625	hydrocarbons
TD	12473	17237	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 (C02297/C02298) is 4480' ESE. Depth to water is ≥205' in this ≥250' 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' - 5565'	9.625" Inter. 1	40	J-55	BTC	1.125	1.125	1.8
8.75"	0' - 12747'	0' – 12454'	7" Inter. 2	29	P-110	BTC	1.125	1.125	1.8
6.125"	0' – 17237'	0' – 12473'	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' - 12747'	9.0	30-31	NC
OBM	12747' – 17237'	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 Resources
Lea County, NM
Leslie Fed Com
202H
Prelim Plan A
GL: 3279 + KB: 29

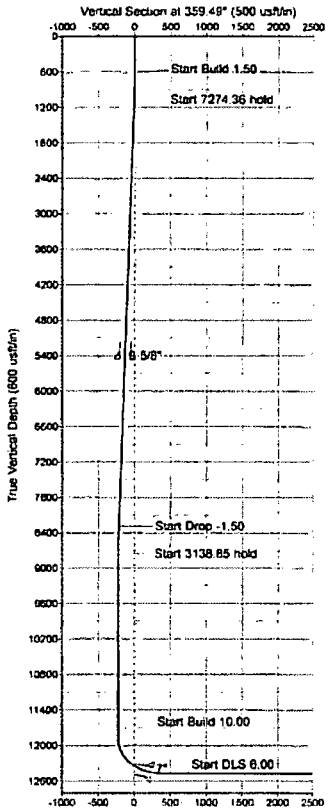
US State Plane 1927 (Exact solution)
NAD 1927 (NADCON CONUS)
Clarke 1866
New Mexico East 3001
Mean Sea Level

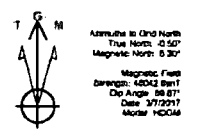
RKB Elevation: Rig @ 3308.00usft (GL: 3279 + KB: 29)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
19.00	1968.00	410068.00	792849.00	32° 7' 25.795 N	103° 23' 14.596 W	

SECTION DETAILS- Lateral

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	19.00	1968.00	0.00	0.00
2	800.00	0.00	0.00	800.00	19.00	1968.00	0.00	0.00
3	1068.67	7.00	255.89	1065.51	12.06	1940.39	1.50	-8.69
4	8341.02	7.00	255.89	8285.64	-204.08	1080.61	0.00	-215.15
5	8807.69	0.00	0.00	8751.15	-211.00	1053.00	1.50	-221.85
6	11948.54	0.00	0.00	11890.00	-211.00	1053.00	0.00	-221.85
7	12748.54	80.00	359.70	12454.25	262.46	1050.52	10.00	251.62
8	12771.54	80.00	359.70	12458.59	287.08	1050.39	0.00	276.24
9	12938.27	90.00	359.49	12473.11	452.95	1049.22	6.00	442.12
10	17236.48	90.00	359.49	12473.00	4751.00	1011.00	0.00	4740.33

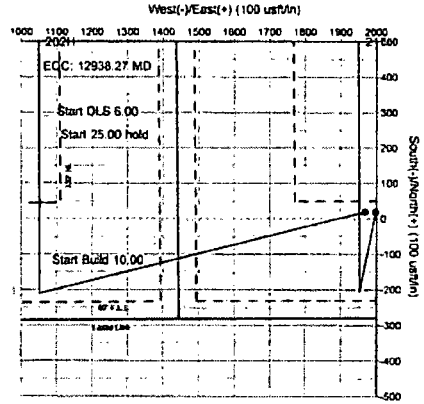


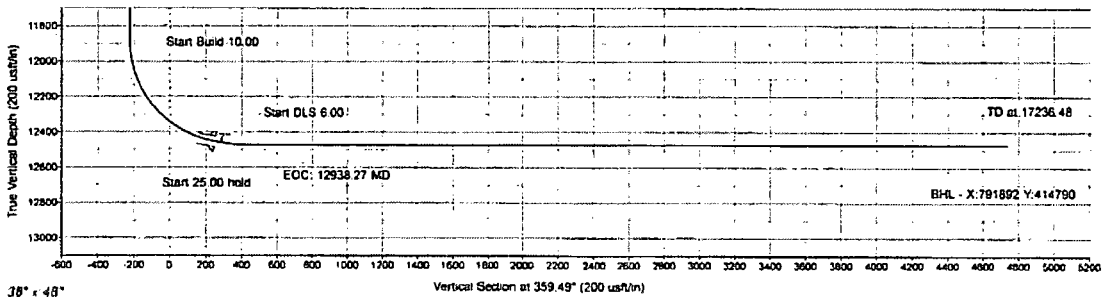


Azimuths to Grid North
True North: -0.50°
Magnetic North: 8.30°

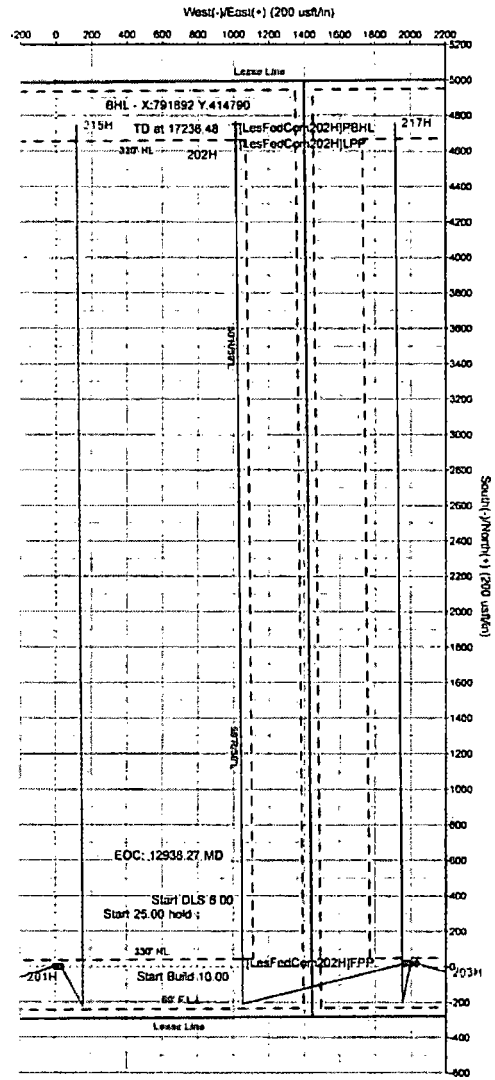
Magnetic Field
Strength: 48042.8nT
Dip Angle: 59.87°
Date: 3/7/2017
Model: HDGM

Azimuth Corrections
Total Magnetic Corr (M to G): 8.30°
Declination (M to T): 8.80° East





38" x 48"



Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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	202H					
Well Position	**+N/-S**	19.00 usft	**Northing:**	410,058.00 usft	**Latitude:**	32° 7' 25.795 N
	+E/-W	1,968.00 usft	**Easting:**	792,849.00 usft	**Longitude:**	103° 23' 14.598 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,279.00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	3/7/2017	6.80	59.87	48,042.80

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	19.00	1,968.00	359.49	

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,491.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,491.00	12,746.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,746.00	17,236.48	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	19.00	1,968.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	19.00	1,968.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	19.00	1,968.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	19.00	1,968.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	19.00	1,968.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	19.00	1,968.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	19.00	1,968.00	0.00	0.00	0.00	0.00
700.00	1.50	255.89	699.99	18.68	1,966.73	-0.31	1.50	1.50	0.00
800.00	3.00	255.89	799.91	17.72	1,962.92	-1.23	1.50	1.50	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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	4.50	255.89	899.69	16.13	1,956.58	-2.77	1.50	1.50	0.00
1,000.00	6.00	255.89	999.27	13.90	1,947.71	-4.92	1.50	1.50	0.00
1,066.67	7.00	255.89	1,065.51	12.06	1,940.39	-6.69	1.50	1.50	0.00
1,100.00	7.00	255.89	1,098.59	11.07	1,936.45	-7.65	0.00	0.00	0.00
1,200.00	7.00	255.89	1,197.85	8.10	1,924.63	-10.52	0.00	0.00	0.00
1,300.00	7.00	255.89	1,297.10	5.13	1,912.81	-13.38	0.00	0.00	0.00
1,400.00	7.00	255.89	1,396.36	2.16	1,900.99	-16.25	0.00	0.00	0.00
1,500.00	7.00	255.89	1,495.61	-0.82	1,889.17	-19.11	0.00	0.00	0.00
1,600.00	7.00	255.89	1,594.86	-3.79	1,877.35	-21.98	0.00	0.00	0.00
1,700.00	7.00	255.89	1,694.12	-6.76	1,865.53	-24.84	0.00	0.00	0.00
1,800.00	7.00	255.89	1,793.37	-9.73	1,853.71	-27.71	0.00	0.00	0.00
1,900.00	7.00	255.89	1,892.63	-12.70	1,841.89	-30.58	0.00	0.00	0.00
2,000.00	7.00	255.89	1,991.88	-15.67	1,830.07	-33.44	0.00	0.00	0.00
2,100.00	7.00	255.89	2,091.14	-18.64	1,818.26	-36.31	0.00	0.00	0.00
2,200.00	7.00	255.89	2,190.39	-21.61	1,806.44	-39.17	0.00	0.00	0.00
2,300.00	7.00	255.89	2,289.65	-24.58	1,794.62	-42.04	0.00	0.00	0.00
2,400.00	7.00	255.89	2,388.90	-27.55	1,782.80	-44.90	0.00	0.00	0.00
2,500.00	7.00	255.89	2,488.16	-30.52	1,770.98	-47.77	0.00	0.00	0.00
2,600.00	7.00	255.89	2,587.41	-33.50	1,759.16	-50.63	0.00	0.00	0.00
2,700.00	7.00	255.89	2,686.67	-36.47	1,747.34	-53.50	0.00	0.00	0.00
2,800.00	7.00	255.89	2,785.92	-39.44	1,735.52	-56.37	0.00	0.00	0.00
2,900.00	7.00	255.89	2,885.17	-42.41	1,723.70	-59.23	0.00	0.00	0.00
3,000.00	7.00	255.89	2,984.43	-45.38	1,711.88	-62.10	0.00	0.00	0.00
3,100.00	7.00	255.89	3,083.68	-48.35	1,700.06	-64.96	0.00	0.00	0.00
3,200.00	7.00	255.89	3,182.94	-51.32	1,688.24	-67.83	0.00	0.00	0.00
3,300.00	7.00	255.89	3,282.19	-54.29	1,676.42	-70.69	0.00	0.00	0.00
3,400.00	7.00	255.89	3,381.45	-57.26	1,664.60	-73.56	0.00	0.00	0.00
3,500.00	7.00	255.89	3,480.70	-60.23	1,652.79	-76.43	0.00	0.00	0.00
3,600.00	7.00	255.89	3,579.96	-63.21	1,640.97	-79.29	0.00	0.00	0.00
3,700.00	7.00	255.89	3,679.21	-66.18	1,629.15	-82.16	0.00	0.00	0.00
3,800.00	7.00	255.89	3,778.47	-69.15	1,617.33	-85.02	0.00	0.00	0.00
3,900.00	7.00	255.89	3,877.72	-72.12	1,605.51	-87.89	0.00	0.00	0.00
4,000.00	7.00	255.89	3,976.98	-75.09	1,593.69	-90.75	0.00	0.00	0.00
4,100.00	7.00	255.89	4,076.23	-78.06	1,581.87	-93.62	0.00	0.00	0.00
4,200.00	7.00	255.89	4,175.48	-81.03	1,570.05	-96.48	0.00	0.00	0.00
4,300.00	7.00	255.89	4,274.74	-84.00	1,558.23	-99.35	0.00	0.00	0.00
4,400.00	7.00	255.89	4,373.99	-86.97	1,546.41	-102.22	0.00	0.00	0.00
4,500.00	7.00	255.89	4,473.25	-89.94	1,534.59	-105.08	0.00	0.00	0.00
4,600.00	7.00	255.89	4,572.50	-92.91	1,522.77	-107.95	0.00	0.00	0.00
4,700.00	7.00	255.89	4,671.76	-95.89	1,510.95	-110.81	0.00	0.00	0.00
4,800.00	7.00	255.89	4,771.01	-98.86	1,499.14	-113.68	0.00	0.00	0.00
4,900.00	7.00	255.89	4,870.27	-101.83	1,487.32	-116.54	0.00	0.00	0.00
5,000.00	7.00	255.89	4,969.52	-104.80	1,475.50	-119.41	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 @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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)
5,100.00	7.00	255.89	5,068.78	-107.77	1,463.68	-122.28	0.00	0.00	0.00
5,200.00	7.00	255.89	5,168.03	-110.74	1,451.86	-125.14	0.00	0.00	0.00
5,300.00	7.00	255.89	5,267.29	-113.71	1,440.04	-128.01	0.00	0.00	0.00
5,400.00	7.00	255.89	5,366.54	-116.68	1,428.22	-130.87	0.00	0.00	0.00
5,491.00	7.00	255.89	5,456.86	-119.39	1,417.46	-133.48	0.00	0.00	0.00
9 5/8"									
5,500.00	7.00	255.89	5,465.79	-119.65	1,416.40	-133.74	0.00	0.00	0.00
5,600.00	7.00	255.89	5,565.05	-122.62	1,404.58	-136.60	0.00	0.00	0.00
5,700.00	7.00	255.89	5,664.30	-125.60	1,392.76	-139.47	0.00	0.00	0.00
5,800.00	7.00	255.89	5,763.56	-128.57	1,380.94	-142.34	0.00	0.00	0.00
5,900.00	7.00	255.89	5,862.81	-131.54	1,369.12	-145.20	0.00	0.00	0.00
6,000.00	7.00	255.89	5,962.07	-134.51	1,357.30	-148.07	0.00	0.00	0.00
6,100.00	7.00	255.89	6,061.32	-137.48	1,345.48	-150.93	0.00	0.00	0.00
6,200.00	7.00	255.89	6,160.58	-140.45	1,333.67	-153.80	0.00	0.00	0.00
6,300.00	7.00	255.89	6,259.83	-143.42	1,321.85	-156.66	0.00	0.00	0.00
6,400.00	7.00	255.89	6,359.09	-146.39	1,310.03	-159.53	0.00	0.00	0.00
6,500.00	7.00	255.89	6,458.34	-149.36	1,298.21	-162.39	0.00	0.00	0.00
6,600.00	7.00	255.89	6,557.60	-152.33	1,286.39	-165.26	0.00	0.00	0.00
6,700.00	7.00	255.89	6,656.85	-155.30	1,274.57	-168.13	0.00	0.00	0.00
6,800.00	7.00	255.89	6,756.10	-158.28	1,262.75	-170.99	0.00	0.00	0.00
6,900.00	7.00	255.89	6,855.36	-161.25	1,250.93	-173.86	0.00	0.00	0.00
7,000.00	7.00	255.89	6,954.61	-164.22	1,239.11	-176.72	0.00	0.00	0.00
7,100.00	7.00	255.89	7,053.87	-167.19	1,227.29	-179.59	0.00	0.00	0.00
7,200.00	7.00	255.89	7,153.12	-170.16	1,215.47	-182.45	0.00	0.00	0.00
7,300.00	7.00	255.89	7,252.38	-173.13	1,203.65	-185.32	0.00	0.00	0.00
7,400.00	7.00	255.89	7,351.63	-176.10	1,191.83	-188.19	0.00	0.00	0.00
7,500.00	7.00	255.89	7,450.89	-179.07	1,180.02	-191.05	0.00	0.00	0.00
7,600.00	7.00	255.89	7,550.14	-182.04	1,168.20	-193.92	0.00	0.00	0.00
7,700.00	7.00	255.89	7,649.40	-185.01	1,156.38	-196.78	0.00	0.00	0.00
7,800.00	7.00	255.89	7,748.65	-187.99	1,144.56	-199.65	0.00	0.00	0.00
7,900.00	7.00	255.89	7,847.91	-190.96	1,132.74	-202.51	0.00	0.00	0.00
8,000.00	7.00	255.89	7,947.16	-193.93	1,120.92	-205.38	0.00	0.00	0.00
8,100.00	7.00	255.89	8,046.41	-196.90	1,109.10	-208.24	0.00	0.00	0.00
8,200.00	7.00	255.89	8,145.67	-199.87	1,097.28	-211.11	0.00	0.00	0.00
8,300.00	7.00	255.89	8,244.92	-202.84	1,085.46	-213.98	0.00	0.00	0.00
8,341.02	7.00	255.89	8,285.64	-204.06	1,080.61	-215.15	0.00	0.00	0.00
8,400.00	6.12	255.89	8,344.23	-205.70	1,074.08	-216.74	1.50	-1.50	0.00
8,500.00	4.62	255.89	8,443.79	-207.98	1,065.01	-218.93	1.50	-1.50	0.00
8,600.00	3.12	255.89	8,543.56	-209.62	1,058.47	-220.52	1.50	-1.50	0.00
8,700.00	1.62	255.89	8,643.47	-210.63	1,054.47	-221.49	1.50	-1.50	0.00
8,807.69	0.00	0.00	8,751.15	-211.00	1,053.00	-221.85	1.50	-1.50	0.00
8,900.00	0.00	0.00	8,843.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,000.00	0.00	0.00	8,943.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,100.00	0.00	0.00	9,043.46	-211.00	1,053.00	-221.85	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 @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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	9,143.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,300.00	0.00	0.00	9,243.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,400.00	0.00	0.00	9,343.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,500.00	0.00	0.00	9,443.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,600.00	0.00	0.00	9,543.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,700.00	0.00	0.00	9,643.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,800.00	0.00	0.00	9,743.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
9,900.00	0.00	0.00	9,843.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,000.00	0.00	0.00	9,943.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,100.00	0.00	0.00	10,043.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,200.00	0.00	0.00	10,143.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,300.00	0.00	0.00	10,243.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,400.00	0.00	0.00	10,343.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,500.00	0.00	0.00	10,443.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,600.00	0.00	0.00	10,543.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,700.00	0.00	0.00	10,643.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,800.00	0.00	0.00	10,743.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
10,900.00	0.00	0.00	10,843.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,000.00	0.00	0.00	10,943.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,100.00	0.00	0.00	11,043.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,200.00	0.00	0.00	11,143.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,300.00	0.00	0.00	11,243.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,400.00	0.00	0.00	11,343.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,500.00	0.00	0.00	11,443.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,600.00	0.00	0.00	11,543.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,700.00	0.00	0.00	11,643.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,800.00	0.00	0.00	11,743.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,900.00	0.00	0.00	11,843.46	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,946.54	0.00	0.00	11,890.00	-211.00	1,053.00	-221.85	0.00	0.00	0.00
11,950.00	0.35	359.70	11,893.46	-210.99	1,053.00	-221.84	10.00	10.00	0.00
12,000.00	5.35	359.70	11,943.38	-208.51	1,052.99	-219.35	10.00	10.00	0.00
12,050.00	10.35	359.70	11,992.90	-201.68	1,052.95	-212.53	10.00	10.00	0.00
12,100.00	15.35	359.70	12,041.63	-190.57	1,052.89	-201.42	10.00	10.00	0.00
12,150.00	20.35	359.70	12,089.21	-175.25	1,052.81	-186.10	10.00	10.00	0.00
12,200.00	25.35	359.70	12,135.27	-155.85	1,052.71	-166.69	10.00	10.00	0.00
12,250.00	30.35	359.70	12,179.47	-132.50	1,052.59	-143.35	10.00	10.00	0.00
12,300.00	35.35	359.70	12,221.46	-105.39	1,052.45	-116.24	10.00	10.00	0.00
12,350.00	40.35	359.70	12,260.93	-74.72	1,052.29	-85.57	10.00	10.00	0.00
12,400.00	45.35	359.70	12,297.58	-40.73	1,052.11	-51.58	10.00	10.00	0.00
12,450.00	50.35	359.70	12,331.13	-3.68	1,051.91	-14.52	10.00	10.00	0.00
12,500.00	55.35	359.70	12,361.31	36.16	1,051.71	25.31	10.00	10.00	0.00
12,550.00	60.35	359.70	12,387.92	78.47	1,051.48	67.63	10.00	10.00	0.00
12,600.00	65.35	359.70	12,410.73	122.95	1,051.25	112.11	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 @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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)
12,650.00	70.35	359.70	12,429.58	169.24	1,051.01	158.40	10.00	10.00	0.00
12,700.00	75.35	359.70	12,444.32	217.00	1,050.76	206.16	10.00	10.00	0.00
12,746.00	79.95	359.70	12,454.16	261.92	1,050.52	251.08	10.00	10.00	0.00
7"									
12,746.54	80.00	359.70	12,454.25	262.46	1,050.52	251.62	10.00	10.00	0.00
12,771.54	80.00	359.70	12,458.59	287.08	1,050.39	276.24	0.00	0.00	0.00
12,800.00	81.71	359.66	12,463.12	315.17	1,050.24	304.33	6.00	6.00	-0.13
12,850.00	84.71	359.60	12,469.03	364.81	1,049.92	353.97	6.00	6.00	-0.13
12,900.00	87.71	359.54	12,472.34	414.70	1,049.54	403.86	6.00	6.00	-0.12
12,938.27	90.00	359.49	12,473.11	452.96	1,049.22	442.12	6.00	6.00	-0.12
13,000.00	90.00	359.49	12,473.10	514.68	1,048.67	503.85	0.00	0.00	0.00
13,100.00	90.00	359.49	12,473.10	614.68	1,047.78	603.85	0.00	0.00	0.00
13,200.00	90.00	359.49	12,473.10	714.68	1,046.89	703.85	0.00	0.00	0.00
13,300.00	90.00	359.49	12,473.10	814.67	1,046.00	803.85	0.00	0.00	0.00
13,400.00	90.00	359.49	12,473.09	914.67	1,045.11	903.85	0.00	0.00	0.00
13,500.00	90.00	359.49	12,473.09	1,014.66	1,044.22	1,003.85	0.00	0.00	0.00
13,600.00	90.00	359.49	12,473.09	1,114.66	1,043.33	1,103.85	0.00	0.00	0.00
13,700.00	90.00	359.49	12,473.09	1,214.66	1,042.44	1,203.85	0.00	0.00	0.00
13,800.00	90.00	359.49	12,473.08	1,314.65	1,041.56	1,303.85	0.00	0.00	0.00
13,900.00	90.00	359.49	12,473.08	1,414.65	1,040.67	1,403.85	0.00	0.00	0.00
14,000.00	90.00	359.49	12,473.08	1,514.64	1,039.78	1,503.85	0.00	0.00	0.00
14,100.00	90.00	359.49	12,473.08	1,614.64	1,038.89	1,603.85	0.00	0.00	0.00
14,200.00	90.00	359.49	12,473.07	1,714.64	1,038.00	1,703.85	0.00	0.00	0.00
14,300.00	90.00	359.49	12,473.07	1,814.63	1,037.11	1,803.85	0.00	0.00	0.00
14,400.00	90.00	359.49	12,473.07	1,914.63	1,036.22	1,903.85	0.00	0.00	0.00
14,500.00	90.00	359.49	12,473.07	2,014.63	1,035.33	2,003.85	0.00	0.00	0.00
14,600.00	90.00	359.49	12,473.06	2,114.62	1,034.44	2,103.85	0.00	0.00	0.00
14,700.00	90.00	359.49	12,473.06	2,214.62	1,033.55	2,203.85	0.00	0.00	0.00
14,800.00	90.00	359.49	12,473.06	2,314.61	1,032.66	2,303.85	0.00	0.00	0.00
14,900.00	90.00	359.49	12,473.06	2,414.61	1,031.78	2,403.85	0.00	0.00	0.00
15,000.00	90.00	359.49	12,473.06	2,514.61	1,030.89	2,503.85	0.00	0.00	0.00
15,100.00	90.00	359.49	12,473.05	2,614.60	1,030.00	2,603.85	0.00	0.00	0.00
15,200.00	90.00	359.49	12,473.05	2,714.60	1,029.11	2,703.85	0.00	0.00	0.00
15,300.00	90.00	359.49	12,473.05	2,814.59	1,028.22	2,803.85	0.00	0.00	0.00
15,400.00	90.00	359.49	12,473.05	2,914.59	1,027.33	2,903.85	0.00	0.00	0.00
15,500.00	90.00	359.49	12,473.04	3,014.59	1,026.44	3,003.85	0.00	0.00	0.00
15,600.00	90.00	359.49	12,473.04	3,114.58	1,025.55	3,103.85	0.00	0.00	0.00
15,700.00	90.00	359.49	12,473.04	3,214.58	1,024.66	3,203.85	0.00	0.00	0.00
15,800.00	90.00	359.49	12,473.04	3,314.57	1,023.77	3,303.85	0.00	0.00	0.00
15,900.00	90.00	359.49	12,473.03	3,414.57	1,022.88	3,403.85	0.00	0.00	0.00
16,000.00	90.00	359.49	12,473.03	3,514.57	1,021.99	3,503.85	0.00	0.00	0.00
16,100.00	90.00	359.49	12,473.03	3,614.56	1,021.11	3,603.85	0.00	0.00	0.00
16,200.00	90.00	359.49	12,473.03	3,714.56	1,020.22	3,703.85	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 @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**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)
16,300.00	90.00	359.49	12,473.02	3,814.55	1,019.33	3,803.85	0.00	0.00	0.00
16,400.00	90.00	359.49	12,473.02	3,914.55	1,018.44	3,903.85	0.00	0.00	0.00
16,500.00	90.00	359.49	12,473.02	4,014.55	1,017.55	4,003.85	0.00	0.00	0.00
16,600.00	90.00	359.49	12,473.02	4,114.54	1,016.66	4,103.85	0.00	0.00	0.00
16,700.00	90.00	359.49	12,473.01	4,214.54	1,015.77	4,203.85	0.00	0.00	0.00
16,800.00	90.00	359.49	12,473.01	4,314.53	1,014.88	4,303.85	0.00	0.00	0.00
16,900.00	90.00	359.49	12,473.01	4,414.53	1,013.99	4,403.85	0.00	0.00	0.00
17,000.00	90.00	359.49	12,473.01	4,514.53	1,013.10	4,503.85	0.00	0.00	0.00
17,100.00	90.00	359.49	12,473.00	4,614.52	1,012.21	4,603.85	0.00	0.00	0.00
17,200.00	90.00	359.49	12,473.00	4,714.52	1,011.32	4,703.85	0.00	0.00	0.00
17,236.48	90.00	359.49	12,473.00	4,751.00	1,011.00	4,740.33	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
[LesFedCom202H]FPP	0.00	0.00	0.00	43.00	1,053.00	410,082.00	791,934.00	32° 7' 26.112 N	103° 23' 25.234 W
- plan misses target center by 915.31usft at 0.00usft MD (0.00 TVD, 19.00 N, 1968.00 E)									
- Point									
[LesFedCom202H]LPP	0.00	0.00	0.00	4,661.00	1,012.00	414,700.00	791,893.00	32° 8' 11.811 N	103° 23' 25.241 W
- plan misses target center by 4739.42usft at 0.00usft MD (0.00 TVD, 19.00 N, 1968.00 E)									
- Point									
[LesFedCom202H]PBHL	0.00	0.00	12,473.00	4,751.00	1,011.00	414,790.00	791,892.00	32° 8' 12.702 N	103° 23' 25.243 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,491.00	5,456.86	9 5/8"	9-5/8	12-1/4
12,746.00	12,454.16	7"	7	8-3/4

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Well:	202H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
600	600	19	1968	Start Build 1.50
1067	1066	12	1940	Start 7274.36 hold
8341	8286	-204	1081	Start Drop -1.50
8808	8751	-211	1053	Start 3138.85 hold
11,947	11,890	-211	1053	Start Build 10.00
12,747	12,454	262	1051	Start 25.00 hold
12,772	12,459	287	1050	Start DLS 6.00
12,938	12,473	453	1049	EOC: 12938.27 MD
17,235	12,473	4750	1011	BHL - X:791892 Y:414790
17,236	12,473	4751	1011	TD at 17236.48

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	5,491.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,491.00	12,746.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,746.00	17,236.48	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 Com						
203H - OH - Prelim Plan A	17,236.48	17,298.49	3,600.60	3,430.22	21.133	CC, ES, SF
214H - OH - Prelim Plan A	11,946.54	11,983.05	2,701.17	2,640.64	44.625	CC
214H - OH - Prelim Plan A	17,236.48	17,471.35	2,706.86	2,536.26	15.867	ES, SF
217H - OH - Prelim Plan A	1,537.67	1,059.45	4,407.15	4,398.42	504.757	CC
217H - OH - Prelim Plan A	17,236.48	17,480.05	4,504.17	4,333.37	26.372	ES, SF
Leslie Fed Com						
201H - OH - Prelim Plan A	12,148.82	12,165.27	1,800.05	1,738.49	29.242	CC
201H - OH - Prelim Plan A	17,236.48	17,238.10	1,800.08	1,632.08	10.715	ES, SF
203H - OH - Prelim Plan A	600.00	600.00	60.01	56.17	15.630	CC, ES
203H - OH - Prelim Plan A	17,236.48	17,245.12	1,800.05	1,632.04	10.714	SF
214H - Prelim Plan A - Prelim Plan A	600.00	575.00	1,593.08	1,589.33	424.865	CC, ES
214H - Prelim Plan A - Prelim Plan A	17,236.48	17,194.49	2,702.01	2,535.43	16.221	SF
215H - OH - Prelim Plan A	11,946.54	11,932.77	900.11	839.79	14.922	CC
215H - OH - Prelim Plan A	17,236.48	17,306.73	903.39	735.88	5.393	ES, SF
217H - OH - Prelim Plan A	600.00	600.00	30.00	26.16	7.814	CC, ES
217H - OH - Prelim Plan A	17,236.48	17,288.18	904.52	737.09	5.402	SF

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	53.00	53.00	0.00	0.07	-93.12	-222.00	-2,456.00	4,430.56				
100.00	100.00	153.00	153.00	0.13	0.32	-93.12	-222.00	-2,456.00	4,430.56	4,430.12	0.44	9,967.400	
200.00	200.00	253.00	253.00	0.49	0.68	-93.12	-222.00	-2,456.00	4,430.56	4,429.40	1.16	3,814.686	
300.00	300.00	353.00	353.00	0.84	1.03	-93.12	-222.00	-2,456.00	4,430.56	4,428.68	1.88	2,358.699	
400.00	400.00	453.00	453.00	1.20	1.39	-93.12	-222.00	-2,456.00	4,430.56	4,427.96	2.60	1,707.125	
500.00	500.00	553.00	553.00	1.56	1.75	-93.12	-222.00	-2,456.00	4,430.56	4,427.25	3.31	1,337.617	
600.00	600.00	653.00	653.00	1.92	2.11	-93.12	-222.00	-2,456.00	4,430.56	4,426.53	4.03	1,099.607	
700.00	699.99	752.99	752.99	2.27	2.47	11.00	-222.00	-2,456.00	4,429.27	4,424.54	4.74	935.288	
800.00	799.91	852.91	852.91	2.61	2.83	11.02	-222.00	-2,456.00	4,425.42	4,419.98	5.44	813.940	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
900.00	899.69	952.69	952.69	2.96	3.18	11.05	-222.00	-2,456.00	4,419.00	4,412.86	6.14	719.392	
1,000.00	999.27	1,052.27	1,052.27	3.32	3.54	11.10	-222.00	-2,456.00	4,410.02	4,403.17	6.85	643.678	
1,066.67	1,065.51	1,118.51	1,118.51	3.57	3.78	11.14	-222.00	-2,456.00	4,402.61	4,395.29	7.33	600.987	
1,100.00	1,098.59	1,151.59	1,151.59	3.69	3.90	11.15	-222.00	-2,456.00	4,398.63	4,391.06	7.56	581.612	
1,200.00	1,197.85	1,250.85	1,250.85	4.07	4.25	11.18	-222.00	-2,456.00	4,386.67	4,378.40	8.27	530.309	
1,300.00	1,297.10	1,350.10	1,350.10	4.46	4.61	11.22	-222.00	-2,456.00	4,374.71	4,365.73	8.98	486.969	
1,400.00	1,396.36	1,449.36	1,449.36	4.84	4.96	11.25	-222.00	-2,456.00	4,362.75	4,353.06	9.70	449.899	
1,500.00	1,495.61	1,548.61	1,548.61	5.24	5.32	11.28	-222.00	-2,456.00	4,350.80	4,340.38	10.41	417.848	
1,600.00	1,594.86	1,647.86	1,647.86	5.63	5.68	11.31	-222.00	-2,456.00	4,338.84	4,327.71	11.13	389.873	
1,700.00	1,694.12	1,747.12	1,747.12	6.03	6.03	11.34	-222.00	-2,456.00	4,326.89	4,315.04	11.85	365.250	
1,800.00	1,793.37	1,846.37	1,846.37	6.42	6.39	11.37	-222.00	-2,456.00	4,314.94	4,302.37	12.56	343.416	
1,900.00	1,892.63	1,945.63	1,945.63	6.82	6.74	11.40	-222.00	-2,456.00	4,302.99	4,289.70	13.28	323.926	
2,000.00	1,991.88	2,044.88	2,044.88	7.22	7.10	11.44	-222.00	-2,456.00	4,291.04	4,277.03	14.00	306.425	
2,100.00	2,091.14	2,144.14	2,144.14	7.63	7.45	11.47	-222.00	-2,456.00	4,279.09	4,264.37	14.72	290.624	
2,200.00	2,190.39	2,243.39	2,243.39	8.03	7.81	11.50	-222.00	-2,456.00	4,267.14	4,251.70	15.44	276.289	
2,300.00	2,289.65	2,342.65	2,342.65	8.43	8.17	11.53	-222.00	-2,456.00	4,255.20	4,239.03	16.17	263.225	
2,400.00	2,388.90	2,441.90	2,441.90	8.83	8.52	11.57	-222.00	-2,456.00	4,243.26	4,226.37	16.89	251.273	
2,500.00	2,488.16	2,541.16	2,541.16	9.24	8.88	11.60	-222.00	-2,456.00	4,231.31	4,213.70	17.61	240.295	
2,600.00	2,587.41	2,640.41	2,640.41	9.64	9.23	11.63	-222.00	-2,456.00	4,219.37	4,201.04	18.33	230.179	
2,700.00	2,686.67	2,739.67	2,739.67	10.05	9.59	11.67	-222.00	-2,456.00	4,207.43	4,188.38	19.05	220.826	
2,800.00	2,785.92	2,838.92	2,838.92	10.45	9.95	11.70	-222.00	-2,456.00	4,195.48	4,175.72	19.78	212.154	
2,900.00	2,885.17	2,938.17	2,938.17	10.86	10.30	11.73	-222.00	-2,456.00	4,183.56	4,163.06	20.50	204.092	
3,000.00	2,984.43	3,037.43	3,037.43	11.26	10.66	11.77	-222.00	-2,456.00	4,171.62	4,150.40	21.22	196.577	
3,100.00	3,083.68	3,136.68	3,136.68	11.67	11.01	11.80	-222.00	-2,456.00	4,159.69	4,137.74	21.94	189.556	
3,200.00	3,182.94	3,235.94	3,235.94	12.08	11.37	11.84	-222.00	-2,456.00	4,147.76	4,125.09	22.67	182.982	
3,300.00	3,282.19	3,335.19	3,335.19	12.48	11.72	11.87	-222.00	-2,456.00	4,135.83	4,112.43	23.39	176.813	
3,400.00	3,381.45	3,434.45	3,434.45	12.89	12.08	11.91	-222.00	-2,456.00	4,123.90	4,099.78	24.11	171.013	
3,500.00	3,480.70	3,533.70	3,533.70	13.30	12.44	11.94	-222.00	-2,456.00	4,111.97	4,087.13	24.84	165.550	
3,600.00	3,579.96	3,632.96	3,632.96	13.70	12.79	11.98	-222.00	-2,456.00	4,100.04	4,074.48	25.56	160.396	
3,700.00	3,679.21	3,732.21	3,732.21	14.11	13.15	12.01	-222.00	-2,456.00	4,088.12	4,061.83	26.29	155.525	
3,800.00	3,778.47	3,831.47	3,831.47	14.52	13.50	12.05	-222.00	-2,456.00	4,076.19	4,049.18	27.01	150.915	
3,900.00	3,877.72	3,930.72	3,930.72	14.93	13.86	12.08	-222.00	-2,456.00	4,064.27	4,036.54	27.73	146.545	
4,000.00	3,976.98	4,029.98	4,029.98	15.33	14.22	12.12	-222.00	-2,456.00	4,052.35	4,023.89	28.46	142.396	
4,100.00	4,076.23	4,129.23	4,129.23	15.74	14.57	12.16	-222.00	-2,456.00	4,040.43	4,011.25	29.18	138.454	
4,200.00	4,175.48	4,228.48	4,228.48	16.15	14.93	12.19	-222.00	-2,456.00	4,028.52	3,998.61	29.91	134.702	
4,300.00	4,274.74	4,327.74	4,327.74	16.56	15.28	12.23	-222.00	-2,456.00	4,016.60	3,985.97	30.63	131.127	
4,400.00	4,373.99	4,426.99	4,426.99	16.97	15.64	12.27	-222.00	-2,456.00	4,004.69	3,973.33	31.36	127.716	
4,500.00	4,473.25	4,526.25	4,526.25	17.37	15.99	12.30	-222.00	-2,456.00	3,992.78	3,960.70	32.08	124.460	
4,600.00	4,572.50	4,625.50	4,625.50	17.78	16.35	12.34	-222.00	-2,456.00	3,980.87	3,948.06	32.81	121.347	
4,700.00	4,671.76	4,724.76	4,724.76	18.19	16.71	12.38	-222.00	-2,456.00	3,968.96	3,935.43	33.53	118.369	
4,800.00	4,771.01	4,824.01	4,824.01	18.60	17.06	12.42	-222.00	-2,456.00	3,957.05	3,922.80	34.26	115.516	
4,900.00	4,870.27	4,923.27	4,923.27	19.01	17.42	12.45	-222.00	-2,456.00	3,945.15	3,910.17	34.98	112.782	
5,000.00	4,969.52	5,022.52	5,022.52	19.42	17.77	12.49	-222.00	-2,456.00	3,933.24	3,897.54	35.71	110.158	
5,100.00	5,068.78	5,121.78	5,121.78	19.82	18.13	12.53	-222.00	-2,456.00	3,921.34	3,884.91	36.43	107.639	
5,200.00	5,168.03	5,221.03	5,221.03	20.23	18.48	12.57	-222.00	-2,456.00	3,909.44	3,872.29	37.16	105.218	
5,300.00	5,267.29	5,320.29	5,320.29	20.64	18.84	12.61	-222.00	-2,456.00	3,897.54	3,859.66	37.88	102.889	
5,400.00	5,366.54	5,419.54	5,419.54	21.05	19.16	12.65	-222.00	-2,456.00	3,885.65	3,847.08	38.57	100.739	
5,500.00	5,465.79	5,518.79	5,518.79	21.29	19.31	12.69	-222.00	-2,456.00	3,873.75	3,834.84	38.91	99.556	
5,600.00	5,565.05	5,618.05	5,618.05	21.36	19.32	12.73	-222.00	-2,456.00	3,861.86	3,822.93	38.93	99.200	
5,700.00	5,664.30	5,717.30	5,717.30	21.45	19.33	12.77	-222.00	-2,456.00	3,849.97	3,811.01	38.96	98.809	
5,800.00	5,763.56	5,816.56	5,816.56	21.54	19.35	12.81	-222.00	-2,456.00	3,838.08	3,799.07	39.01	98.385	
5,900.00	5,862.81	5,915.81	5,915.81	21.63	19.38	12.85	-222.00	-2,456.00	3,826.19	3,787.12	39.07	97.929	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
6,000.00	5,962.07	6,015.07	6,015.07	21.74	19.41	12.89	-222.00	-2,456.00	3,814.31	3,775.16	39.15	97.440	
6,100.00	6,061.32	6,114.32	6,114.32	21.85	19.45	12.93	-222.00	-2,456.00	3,802.42	3,763.19	39.23	96.920	
6,200.00	6,160.58	6,213.58	6,213.58	21.97	19.50	12.97	-222.00	-2,456.00	3,790.54	3,751.21	39.33	96.370	
6,300.00	6,259.83	6,312.83	6,312.83	22.10	19.55	13.01	-222.00	-2,456.00	3,778.66	3,739.22	39.45	95.791	
6,400.00	6,359.09	6,412.09	6,412.09	22.23	19.61	13.05	-222.00	-2,456.00	3,766.79	3,727.21	39.57	95.184	
6,500.00	6,458.34	6,511.34	6,511.34	22.37	19.68	13.10	-222.00	-2,456.00	3,754.91	3,715.20	39.71	94.550	
6,600.00	6,557.60	6,610.60	6,610.60	22.52	19.75	13.14	-222.00	-2,456.00	3,743.04	3,703.17	39.87	93.890	
6,700.00	6,656.85	6,709.85	6,709.85	22.67	19.83	13.18	-222.00	-2,456.00	3,731.17	3,691.13	40.03	93.206	
6,800.00	6,756.10	6,809.10	6,809.10	22.83	19.91	13.22	-222.00	-2,456.00	3,719.30	3,679.09	40.21	92.499	
6,900.00	6,855.36	6,908.36	6,908.36	22.99	20.00	13.27	-222.00	-2,456.00	3,707.43	3,667.03	40.40	91.770	
7,000.00	6,954.61	7,007.61	7,007.61	23.17	20.10	13.31	-222.00	-2,456.00	3,695.56	3,654.96	40.60	91.020	
7,100.00	7,053.87	7,106.87	7,106.87	23.34	20.20	13.35	-222.00	-2,456.00	3,683.70	3,642.88	40.82	90.252	
7,200.00	7,153.12	7,206.12	7,206.12	23.53	20.31	13.40	-222.00	-2,456.00	3,671.84	3,630.80	41.04	89.466	
7,300.00	7,252.38	7,254.34	7,254.34	23.72	20.36	13.42	-222.08	-2,456.38	3,660.71	3,619.48	41.24	88.775	
7,400.00	7,351.63	7,300.00	7,299.99	23.91	20.41	13.43	-222.28	-2,457.28	3,650.91	3,609.48	41.43	88.126	
7,500.00	7,450.89	7,357.16	7,357.11	24.11	20.47	13.45	-222.69	-2,459.16	3,642.39	3,600.76	41.63	87.489	
7,600.00	7,550.14	7,400.00	7,399.91	24.31	20.52	13.47	-223.11	-2,461.12	3,635.23	3,593.41	41.82	86.920	
7,700.00	7,649.40	7,450.42	7,450.22	24.52	20.59	13.48	-223.89	-2,464.67	3,629.35	3,587.31	42.04	86.338	
7,800.00	7,748.65	7,512.17	7,511.83	24.74	20.66	13.49	-224.71	-2,468.46	3,624.81	3,582.57	42.24	85.812	
7,900.00	7,847.91	7,592.45	7,591.80	24.96	20.76	13.51	-226.18	-2,475.24	3,621.36	3,578.87	42.49	85.224	
8,000.00	7,947.16	7,707.62	7,691.36	25.18	20.91	13.53	-228.03	-2,483.75	3,618.03	3,575.23	42.80	84.527	
8,100.00	8,046.41	7,807.68	7,790.91	25.41	21.05	13.54	-229.88	-2,492.26	3,614.70	3,571.59	43.11	83.857	
8,200.00	8,145.67	7,907.74	7,890.47	25.65	21.19	13.56	-231.73	-2,500.77	3,611.37	3,567.95	43.42	83.176	
8,300.00	8,244.92	8,007.80	7,990.03	25.89	21.34	13.58	-233.58	-2,509.28	3,608.04	3,564.30	43.74	82.486	
8,341.02	8,285.64	8,033.20	8,030.87	25.98	21.38	13.58	-234.34	-2,512.78	3,606.67	3,562.92	43.85	82.244	
8,400.00	8,344.23	8,107.85	8,089.60	26.12	21.50	13.59	-235.43	-2,517.80	3,605.15	3,561.08	44.07	81.799	
8,471.94	8,415.83	8,164.09	8,161.26	26.28	21.59	13.59	-236.77	-2,523.92	3,604.49	3,560.20	44.29	81.380	
8,500.00	8,443.79	8,207.85	8,189.22	26.35	21.66	13.59	-237.29	-2,526.31	3,604.59	3,560.18	44.41	81.163	
8,600.00	8,543.56	8,600.00	8,353.34	26.55	22.33	13.59	-240.10	-2,539.27	3,606.09	3,560.84	45.25	79.692	
8,700.00	8,643.47	8,700.16	8,696.47	26.74	22.51	13.62	-242.00	-2,548.00	3,602.61	3,557.01	45.60	79.011	
8,807.69	8,751.15	8,807.84	8,804.15	26.92	22.71	-90.49	-242.00	-2,548.00	3,601.13	3,555.15	45.98	78.313	
8,900.00	8,843.46	8,900.15	8,896.46	27.06	22.88	-90.49	-242.00	-2,548.00	3,601.13	3,554.82	46.32	77.751	
9,000.00	8,943.46	9,000.15	8,996.46	27.21	23.07	-90.49	-242.00	-2,548.00	3,601.13	3,554.45	46.68	77.139	
9,100.00	9,043.46	9,100.15	9,096.46	27.37	23.27	-90.49	-242.00	-2,548.00	3,601.13	3,554.07	47.06	76.523	
9,200.00	9,143.46	9,200.15	9,196.46	27.54	23.47	-90.49	-242.00	-2,548.00	3,601.13	3,553.69	47.44	75.904	
9,300.00	9,243.46	9,300.15	9,296.46	27.70	23.67	-90.49	-242.00	-2,548.00	3,601.13	3,553.30	47.83	75.283	
9,400.00	9,343.46	9,400.15	9,396.46	27.88	23.88	-90.49	-242.00	-2,548.00	3,601.13	3,552.90	48.23	74.660	
9,500.00	9,443.46	9,500.15	9,496.46	28.05	24.09	-90.49	-242.00	-2,548.00	3,601.13	3,552.49	48.64	74.037	
9,600.00	9,543.46	9,600.15	9,596.46	28.23	24.30	-90.49	-242.00	-2,548.00	3,601.13	3,552.08	49.05	73.413	
9,700.00	9,643.46	9,700.15	9,696.46	28.41	24.52	-90.49	-242.00	-2,548.00	3,601.13	3,551.66	49.47	72.790	
9,800.00	9,743.46	9,800.15	9,796.46	28.59	24.74	-90.49	-242.00	-2,548.00	3,601.13	3,551.23	49.90	72.167	
9,900.00	9,843.46	9,900.15	9,896.46	28.78	24.96	-90.49	-242.00	-2,548.00	3,601.13	3,550.80	50.33	71.546	
10,000.00	9,943.46	10,000.15	9,996.46	28.97	25.19	-90.49	-242.00	-2,548.00	3,601.13	3,550.36	50.77	70.926	
10,100.00	10,043.46	10,100.15	10,096.46	29.17	25.42	-90.49	-242.00	-2,548.00	3,601.13	3,549.91	51.22	70.308	
10,200.00	10,143.46	10,200.15	10,196.46	29.36	25.65	-90.49	-242.00	-2,548.00	3,601.13	3,549.46	51.67	69.693	
10,300.00	10,243.46	10,300.15	10,296.46	29.56	25.88	-90.49	-242.00	-2,548.00	3,601.13	3,549.00	52.13	69.080	
10,400.00	10,343.46	10,400.15	10,396.46	29.77	26.12	-90.49	-242.00	-2,548.00	3,601.13	3,548.54	52.59	68.471	
10,500.00	10,443.46	10,500.15	10,496.46	29.97	26.36	-90.49	-242.00	-2,548.00	3,601.13	3,548.07	53.06	67.865	
10,600.00	10,543.46	10,600.15	10,596.46	30.18	26.61	-90.49	-242.00	-2,548.00	3,601.13	3,547.60	53.54	67.263	
10,700.00	10,643.46	10,700.15	10,696.46	30.39	26.85	-90.49	-242.00	-2,548.00	3,601.13	3,547.11	54.02	66.665	
10,800.00	10,743.46	10,800.15	10,796.46	30.61	27.10	-90.49	-242.00	-2,548.00	3,601.13	3,546.63	54.50	66.071	
10,900.00	10,843.46	10,900.15	10,896.46	30.83	27.35	-90.49	-242.00	-2,548.00	3,601.13	3,546.14	54.99	65.481	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
11,000.00	10,943.46	11,000.15	10,996.46	31.05	27.61	-90.49	-242.00	-2,548.00	3,601.13	3,545.64	55.49	64.896	
11,100.00	11,043.46	11,100.15	11,096.46	31.27	27.86	-90.49	-242.00	-2,548.00	3,601.13	3,545.14	55.99	64.316	
11,200.00	11,143.46	11,200.15	11,196.46	31.49	28.12	-90.49	-242.00	-2,548.00	3,601.13	3,544.64	56.50	63.741	
11,300.00	11,243.46	11,300.15	11,296.46	31.72	28.38	-90.49	-242.00	-2,548.00	3,601.13	3,544.13	57.01	63.172	
11,400.00	11,343.46	11,400.15	11,396.46	31.95	28.64	-90.49	-242.00	-2,548.00	3,601.13	3,543.61	57.52	62.607	
11,500.00	11,443.46	11,500.15	11,496.46	32.18	28.91	-90.49	-242.00	-2,548.00	3,601.13	3,543.10	58.04	62.048	
11,600.00	11,543.46	11,600.15	11,596.46	32.42	29.17	-90.49	-242.00	-2,548.00	3,601.13	3,542.57	58.56	61.495	
11,700.00	11,643.46	11,700.15	11,696.46	32.65	29.44	-90.49	-242.00	-2,548.00	3,601.13	3,542.05	59.09	60.947	
11,800.00	11,743.46	11,800.15	11,796.46	32.89	29.71	-90.49	-242.00	-2,548.00	3,601.13	3,541.52	59.62	60.404	
11,900.00	11,843.46	11,900.15	11,896.46	33.13	29.98	-90.49	-242.00	-2,548.00	3,601.13	3,540.98	60.15	59.868	
11,946.54	11,890.00	11,946.69	11,943.00	33.25	30.11	-90.49	-242.00	-2,548.00	3,601.13	3,540.73	60.40	59.620	
11,950.00	11,893.46	11,950.15	11,946.46	33.26	30.12	-90.19	-242.00	-2,548.00	3,601.13	3,540.71	60.42	59.601	
12,000.00	11,943.38	12,000.07	11,996.38	33.37	30.26	-90.23	-242.00	-2,548.00	3,601.14	3,540.46	60.68	59.342	
12,050.00	11,992.90	12,051.10	12,047.37	33.49	30.40	-90.32	-240.43	-2,548.01	3,601.17	3,540.23	60.94	59.092	
12,100.00	12,041.63	12,102.86	12,098.75	33.59	30.54	-90.40	-234.28	-2,548.04	3,601.20	3,540.01	61.19	58.850	
12,150.00	12,089.21	12,155.14	12,149.86	33.69	30.68	-90.48	-223.39	-2,548.10	3,601.24	3,539.81	61.43	58.619	
12,200.00	12,135.27	12,207.91	12,200.24	33.77	30.82	-90.56	-207.71	-2,548.18	3,601.28	3,539.61	61.67	58.396	
12,250.00	12,179.47	12,261.18	12,249.40	33.85	30.95	-90.63	-187.26	-2,548.29	3,601.33	3,539.43	61.90	58.179	
12,300.00	12,221.46	12,314.93	12,296.86	33.92	31.08	-90.70	-162.09	-2,548.42	3,601.38	3,539.25	62.13	57.967	
12,350.00	12,260.93	12,369.12	12,342.13	33.98	31.20	-90.76	-132.32	-2,548.57	3,601.43	3,539.08	62.36	57.757	
12,400.00	12,297.58	12,423.73	12,384.69	34.04	31.33	-90.82	-98.13	-2,548.75	3,601.48	3,538.89	62.59	57.544	
12,450.00	12,331.13	12,478.73	12,424.06	34.09	31.48	-90.87	-59.77	-2,548.95	3,601.53	3,538.70	62.83	57.326	
12,500.00	12,361.31	12,534.06	12,459.79	34.14	31.64	-90.91	-17.54	-2,549.18	3,601.57	3,538.49	63.07	57.100	
12,550.00	12,387.92	12,589.69	12,491.43	34.18	31.80	-90.95	28.18	-2,549.41	3,601.60	3,538.26	63.34	56.862	
12,600.00	12,410.73	12,645.55	12,518.59	34.23	31.98	-90.97	78.96	-2,549.67	3,601.63	3,538.01	63.62	56.609	
12,650.00	12,429.58	12,701.58	12,540.93	34.28	32.17	-90.99	128.32	-2,549.94	3,601.65	3,537.73	63.93	56.340	
12,700.00	12,444.32	12,757.72	12,558.18	34.34	32.38	-91.00	181.73	-2,550.22	3,601.66	3,537.41	64.25	56.053	
12,746.54	12,454.25	12,810.03	12,569.49	39.52	36.14	-91.00	232.78	-2,550.49	3,601.67	3,537.12	64.55	55.799	
12,754.50	12,455.63	12,817.84	12,570.84	39.53	37.28	-91.00	240.47	-2,550.53	3,601.67	3,537.08	64.58	55.767	
12,771.54	12,458.59	12,834.88	12,573.80	39.54	37.29	-91.00	257.25	-2,550.61	3,601.67	3,537.00	64.67	55.697	
12,800.00	12,463.12	12,863.11	12,578.26	39.57	37.31	-91.00	285.12	-2,550.77	3,601.67	3,536.85	64.82	55.568	
12,850.00	12,469.03	12,912.71	12,584.08	39.62	37.34	-90.99	334.38	-2,551.08	3,601.66	3,536.56	65.11	55.319	
12,900.00	12,472.34	12,962.31	12,587.35	39.68	37.36	-90.99	383.86	-2,551.45	3,601.66	3,536.21	65.44	55.037	
12,938.27	12,473.11	13,000.54	12,588.11	39.73	37.38	-90.99	421.82	-2,551.76	3,601.65	3,535.92	65.72	54.800	
13,000.00	12,473.10	13,062.01	12,588.10	39.82	37.42	-90.99	483.54	-2,552.29	3,601.63	3,535.39	66.24	54.374	
13,100.00	12,473.10	13,162.01	12,588.10	39.98	37.48	-90.99	583.54	-2,553.16	3,601.61	3,534.42	67.18	53.608	
13,200.00	12,473.10	13,262.01	12,588.10	40.17	37.54	-90.99	683.54	-2,554.02	3,601.58	3,533.31	68.28	52.749	
13,300.00	12,473.10	13,362.01	12,588.10	40.39	37.60	-90.99	783.53	-2,554.89	3,601.56	3,532.05	69.51	51.812	
13,400.00	12,473.09	13,462.01	12,588.09	40.65	37.68	-90.99	883.53	-2,555.75	3,601.53	3,530.65	70.88	50.811	
13,500.00	12,473.09	13,562.01	12,588.09	40.96	37.79	-90.99	983.53	-2,556.62	3,601.51	3,529.13	72.38	49.761	
13,600.00	12,473.09	13,662.01	12,588.09	41.32	38.07	-90.99	1,083.52	-2,557.48	3,601.49	3,527.50	73.99	48.675	
13,700.00	12,473.09	13,762.01	12,588.09	41.75	38.76	-90.99	1,183.52	-2,558.35	3,601.46	3,525.75	75.71	47.566	
13,800.00	12,473.08	13,862.01	12,588.08	42.25	39.65	-90.99	1,283.51	-2,559.21	3,601.44	3,523.89	77.54	46.444	
13,900.00	12,473.08	13,962.01	12,588.08	42.82	40.63	-90.99	1,383.51	-2,560.08	3,601.41	3,521.94	79.47	45.319	
14,000.00	12,473.08	14,062.01	12,588.08	43.48	41.66	-90.99	1,483.51	-2,560.94	3,601.39	3,519.90	81.48	44.198	
14,100.00	12,473.08	14,162.01	12,588.08	44.21	42.73	-90.99	1,583.50	-2,561.81	3,601.36	3,517.78	83.58	43.088	
14,200.00	12,473.07	14,262.01	12,588.07	45.01	43.83	-90.99	1,683.50	-2,562.67	3,601.34	3,515.58	85.76	41.995	
14,300.00	12,473.07	14,362.01	12,588.07	45.88	44.98	-90.99	1,783.50	-2,563.54	3,601.31	3,513.31	88.00	40.922	
14,400.00	12,473.07	14,462.01	12,588.07	46.82	46.15	-90.99	1,883.49	-2,564.40	3,601.29	3,510.97	90.32	39.874	
14,500.00	12,473.07	14,562.01	12,588.07	47.82	47.36	-90.99	1,983.49	-2,565.27	3,601.27	3,508.57	92.69	38.852	
14,600.00	12,473.06	14,662.01	12,588.06	48.86	48.59	-90.99	2,083.49	-2,566.13	3,601.24	3,506.12	95.12	37.859	
14,700.00	12,473.06	14,762.01	12,588.06	49.95	49.85	-90.99	2,183.48	-2,567.00	3,601.22	3,503.61	97.60	36.896	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
14,800.00	12,473.06	14,862.01	12,588.06	51.08	51.13	-90.99	2,283.48	-2,567.86	3,601.19	3,501.06	100.14	35.963	
14,900.00	12,473.06	14,962.01	12,588.06	52.25	52.43	-90.99	2,383.47	-2,568.72	3,601.17	3,498.46	102.71	35.061	
15,000.00	12,473.06	15,062.01	12,588.05	53.45	53.75	-90.99	2,483.47	-2,569.59	3,601.14	3,495.81	105.33	34.189	
15,100.00	12,473.05	15,162.01	12,588.05	54.68	55.09	-90.99	2,583.47	-2,570.45	3,601.12	3,493.13	107.99	33.348	
15,200.00	12,473.05	15,262.01	12,588.05	55.94	56.45	-90.99	2,683.46	-2,571.32	3,601.10	3,490.42	110.68	32.537	
15,300.00	12,473.05	15,362.01	12,588.05	57.22	57.82	-90.99	2,783.46	-2,572.18	3,601.07	3,487.67	113.40	31.754	
15,400.00	12,473.05	15,462.01	12,588.05	58.53	59.21	-90.99	2,883.46	-2,573.05	3,601.05	3,484.89	116.16	31.001	
15,500.00	12,473.04	15,562.01	12,588.04	59.85	60.61	-90.99	2,983.45	-2,573.91	3,601.02	3,482.08	118.94	30.275	
15,600.00	12,473.04	15,662.01	12,588.04	61.20	62.02	-90.99	3,083.45	-2,574.78	3,601.00	3,479.24	121.76	29.575	
15,700.00	12,473.04	15,762.01	12,588.04	62.56	63.45	-90.99	3,183.44	-2,575.64	3,600.97	3,476.38	124.59	28.902	
15,800.00	12,473.04	15,862.01	12,588.04	63.93	64.88	-90.99	3,283.44	-2,576.51	3,600.95	3,473.50	127.45	28.253	
15,900.00	12,473.03	15,962.01	12,588.03	65.33	66.33	-90.99	3,383.44	-2,577.37	3,600.92	3,470.59	130.33	27.628	
16,000.00	12,473.03	16,062.01	12,588.03	66.73	67.79	-90.99	3,483.43	-2,578.24	3,600.90	3,467.66	133.24	27.026	
16,100.00	12,473.03	16,162.01	12,588.03	68.15	69.25	-90.99	3,583.43	-2,579.10	3,600.88	3,464.72	136.16	26.446	
16,200.00	12,473.03	16,262.01	12,588.03	69.58	70.73	-90.99	3,683.43	-2,579.97	3,600.85	3,461.75	139.10	25.887	
16,300.00	12,473.02	16,362.01	12,588.02	71.01	72.21	-90.99	3,783.42	-2,580.83	3,600.83	3,458.77	142.05	25.349	
16,400.00	12,473.02	16,462.01	12,588.02	72.46	73.70	-90.99	3,883.42	-2,581.70	3,600.80	3,455.78	145.02	24.829	
16,500.00	12,473.02	16,562.01	12,588.02	73.92	75.20	-90.99	3,983.41	-2,582.56	3,600.78	3,452.77	148.01	24.328	
16,600.00	12,473.02	16,662.01	12,588.02	75.39	76.70	-90.99	4,083.41	-2,583.43	3,600.75	3,449.74	151.01	23.845	
16,700.00	12,473.01	16,762.01	12,588.01	76.87	78.21	-90.99	4,183.41	-2,584.29	3,600.73	3,446.71	154.02	23.378	
16,800.00	12,473.01	16,862.01	12,588.01	78.35	79.73	-90.99	4,283.40	-2,585.16	3,600.70	3,443.66	157.05	22.928	
16,900.00	12,473.01	16,962.01	12,588.01	79.84	81.25	-90.99	4,383.40	-2,586.02	3,600.68	3,440.60	160.08	22.492	
17,000.00	12,473.01	17,062.01	12,588.01	81.34	82.78	-90.99	4,483.40	-2,586.88	3,600.66	3,437.52	163.13	22.072	
17,100.00	12,473.00	17,162.01	12,588.00	82.84	84.31	-90.99	4,583.39	-2,587.75	3,600.63	3,434.44	166.19	21.666	
17,200.00	12,473.00	17,262.01	12,588.00	84.35	85.85	-90.99	4,683.39	-2,588.61	3,600.61	3,431.35	169.26	21.273	
17,236.48	12,473.00	17,298.49	12,588.00	84.91	86.41	-90.99	4,719.87	-2,588.93	3,600.60	3,430.22	170.38	21.133	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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	53.00	53.00	0.00	0.07	-93.52	-251.00	-2,426.00	4,402.29				
100.00	100.00	153.00	153.00	0.13	0.32	-93.52	-251.00	-2,426.00	4,402.29	4,401.84	0.44	9,903.797	
200.00	200.00	253.00	253.00	0.49	0.68	-93.52	-251.00	-2,426.00	4,402.29	4,401.13	1.16	3,790.344	
300.00	300.00	353.00	353.00	0.84	1.03	-93.52	-251.00	-2,426.00	4,402.29	4,400.41	1.88	2,343.648	
400.00	400.00	453.00	453.00	1.20	1.39	-93.52	-251.00	-2,426.00	4,402.29	4,399.69	2.60	1,696.231	
500.00	500.00	553.00	553.00	1.56	1.75	-93.52	-251.00	-2,426.00	4,402.29	4,398.98	3.31	1,329.082	
600.00	600.00	653.00	653.00	1.92	2.11	-93.52	-251.00	-2,426.00	4,402.29	4,398.26	4.03	1,092.590	
700.00	699.99	752.99	752.99	2.27	2.47	10.60	-251.00	-2,426.00	4,401.00	4,396.27	4.74	929.317	
800.00	799.91	852.91	852.91	2.61	2.83	10.62	-251.00	-2,426.00	4,397.14	4,391.71	5.44	808.738	
900.00	899.69	952.69	952.69	2.96	3.18	10.65	-251.00	-2,426.00	4,390.71	4,384.57	6.14	714.788	
1,000.00	999.27	1,510.21	1,508.87	3.32	5.15	10.80	-250.58	-2,393.56	4,373.22	4,364.80	8.42	519.362	
1,066.67	1,065.51	1,575.32	1,573.62	3.57	5.39	10.85	-250.50	-2,386.75	4,358.92	4,350.04	8.88	490.663	
1,100.00	1,098.59	1,607.81	1,605.94	3.69	5.51	10.88	-250.45	-2,383.36	4,351.50	4,342.38	9.12	477.332	
1,200.00	1,197.85	1,705.28	1,702.87	4.07	5.87	10.89	-250.32	-2,373.17	4,329.22	4,319.42	9.81	441.452	
1,300.00	1,297.10	1,802.75	1,799.81	4.46	6.24	10.91	-250.19	-2,362.98	4,306.95	4,296.45	10.50	410.129	
1,400.00	1,396.36	1,900.22	1,896.75	4.84	6.60	10.94	-250.06	-2,352.79	4,284.68	4,273.48	11.20	382.579	
1,500.00	1,495.61	2,002.31	1,993.69	5.24	6.99	10.96	-249.93	-2,342.61	4,262.40	4,250.49	11.92	357.682	
1,600.00	1,594.86	2,104.84	2,090.63	5.63	7.38	10.99	-249.80	-2,332.42	4,240.13	4,227.49	12.64	335.508	
1,700.00	1,694.12	2,207.36	2,187.56	6.03	7.77	11.01	-249.67	-2,322.23	4,217.86	4,204.50	13.36	315.683	
1,800.00	1,793.37	2,309.89	2,284.50	6.42	8.16	11.04	-249.54	-2,312.04	4,195.59	4,181.51	14.09	297.860	
1,900.00	1,892.63	2,387.58	2,381.44	6.82	8.46	11.06	-249.40	-2,301.86	4,173.32	4,158.60	14.72	283.469	
2,000.00	1,991.88	2,485.05	2,478.38	7.22	8.84	11.09	-249.27	-2,291.67	4,151.05	4,135.62	15.43	269.003	
2,100.00	2,091.14	2,582.52	2,575.31	7.63	9.21	11.11	-249.14	-2,281.48	4,128.79	4,112.64	16.14	255.791	
2,200.00	2,190.39	2,679.99	2,672.25	8.03	9.59	11.14	-249.01	-2,271.29	4,106.52	4,089.67	16.85	243.680	
2,300.00	2,289.65	2,777.46	2,769.19	8.43	9.97	11.17	-248.88	-2,261.10	4,084.25	4,066.69	17.56	232.539	
2,400.00	2,388.90	2,874.94	2,866.13	8.83	10.35	11.19	-248.75	-2,250.92	4,061.99	4,043.71	18.28	222.257	
2,500.00	2,488.16	2,972.41	2,963.06	9.24	10.72	11.22	-248.62	-2,240.73	4,039.72	4,020.73	18.99	212.740	
2,600.00	2,587.41	3,069.88	3,060.00	9.64	11.10	11.25	-248.49	-2,230.54	4,017.46	3,997.76	19.70	203.906	
2,700.00	2,686.67	3,167.35	3,156.94	10.05	11.48	11.28	-248.36	-2,220.35	3,995.20	3,974.78	20.42	195.684	
2,800.00	2,785.92	3,264.82	3,253.88	10.45	11.86	11.31	-248.23	-2,210.17	3,972.94	3,951.81	21.13	188.014	
2,900.00	2,885.17	3,362.29	3,350.81	10.86	12.24	11.34	-248.09	-2,199.98	3,950.68	3,928.83	21.85	180.843	
3,000.00	2,984.43	3,459.77	3,447.75	11.26	12.62	11.36	-247.96	-2,189.79	3,928.42	3,905.85	22.56	174.123	
3,100.00	3,083.68	3,557.24	3,544.69	11.67	13.00	11.39	-247.83	-2,179.60	3,906.16	3,882.88	23.28	167.814	
3,200.00	3,182.94	3,654.71	3,641.63	12.08	13.38	11.42	-247.70	-2,169.42	3,883.90	3,859.91	23.99	161.878	
3,300.00	3,282.19	3,752.18	3,738.56	12.48	13.77	11.45	-247.57	-2,159.23	3,861.64	3,836.93	24.71	156.285	
3,400.00	3,381.45	3,849.65	3,835.50	12.89	14.15	11.48	-247.44	-2,149.04	3,839.39	3,813.96	25.43	151.005	
3,500.00	3,480.70	3,947.12	3,932.44	13.30	14.53	11.52	-247.31	-2,138.85	3,817.13	3,790.99	26.14	146.014	
3,600.00	3,579.96	4,044.59	4,029.38	13.70	14.91	11.55	-247.18	-2,128.66	3,794.88	3,768.02	26.86	141.287	
3,700.00	3,679.21	4,142.07	4,126.31	14.11	15.29	11.58	-247.05	-2,118.48	3,772.63	3,745.05	27.58	136.805	
3,800.00	3,778.47	4,239.54	4,223.25	14.52	15.67	11.61	-246.92	-2,108.29	3,750.38	3,722.08	28.29	132.550	
3,900.00	3,877.72	4,337.01	4,320.19	14.93	16.06	11.64	-246.79	-2,098.10	3,728.13	3,699.11	29.01	128.504	
4,000.00	3,976.98	4,434.48	4,417.13	15.33	16.44	11.67	-246.65	-2,087.91	3,705.88	3,676.15	29.73	124.652	
4,100.00	4,076.23	4,531.95	4,514.06	15.74	16.82	11.71	-246.52	-2,077.73	3,683.63	3,653.18	30.45	120.982	
4,200.00	4,175.48	4,629.42	4,611.00	16.15	17.20	11.74	-246.39	-2,067.54	3,661.38	3,630.22	31.17	117.480	
4,300.00	4,274.74	4,726.90	4,707.94	16.56	17.59	11.78	-246.26	-2,057.35	3,639.14	3,607.25	31.88	114.135	
4,400.00	4,373.99	4,824.37	4,804.88	16.97	17.97	11.81	-246.13	-2,047.16	3,616.89	3,584.29	32.60	110.937	
4,500.00	4,473.25	4,921.84	4,901.82	17.37	18.35	11.84	-246.00	-2,036.97	3,594.65	3,561.33	33.32	107.876	
4,600.00	4,572.50	5,019.31	4,998.75	17.78	18.73	11.88	-245.87	-2,026.79	3,572.41	3,538.37	34.04	104.944	
4,700.00	4,671.76	5,116.78	5,095.69	18.19	19.12	11.92	-245.74	-2,016.60	3,550.17	3,515.41	34.76	102.133	
4,800.00	4,771.01	5,214.25	5,192.63	18.60	19.50	11.95	-245.61	-2,006.41	3,527.93	3,492.45	35.48	99.436	
4,900.00	4,870.27	5,311.73	5,289.57	19.01	19.88	11.99	-245.48	-1,996.22	3,505.68	3,469.49	36.20	96.845	
5,000.00	4,969.52	5,409.20	5,386.50	19.42	20.25	12.02	-245.34	-1,986.04	3,483.45	3,446.55	36.90	94.398	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
5,100.00	5,068.78	5,506.67	5,483.44	19.62	20.46	12.06	-245.21	-1,975.85	3,481.22	3,423.79	37.43	92.965	
5,200.00	5,168.03	5,604.14	5,580.38	20.23	20.51	12.10	-245.08	-1,965.66	3,438.98	3,401.18	37.80	90.970	
5,300.00	5,267.29	5,701.61	5,677.32	20.64	20.57	12.14	-244.95	-1,955.47	3,416.75	3,378.57	38.18	89.488	
5,400.00	5,366.54	5,800.92	5,774.25	21.05	20.64	12.18	-244.82	-1,945.29	3,394.52	3,355.96	38.57	88.019	
5,500.00	5,465.79	5,903.45	5,871.19	21.29	20.72	12.22	-244.69	-1,935.10	3,372.29	3,333.50	38.79	86.940	
5,600.00	5,565.05	6,005.97	5,968.13	21.36	20.81	12.26	-244.56	-1,924.91	3,350.07	3,311.23	38.84	86.256	
5,700.00	5,664.30	6,108.50	6,065.07	21.45	20.90	12.30	-244.43	-1,914.72	3,327.84	3,288.94	38.90	85.542	
5,800.00	5,763.56	6,188.97	6,162.00	21.54	20.98	12.34	-244.30	-1,904.53	3,305.61	3,266.65	38.97	84.825	
5,900.00	5,862.81	6,286.44	6,258.94	21.63	21.08	12.38	-244.17	-1,894.35	3,283.39	3,244.33	39.06	84.066	
6,000.00	5,962.07	6,383.91	6,355.88	21.74	21.19	12.42	-244.04	-1,884.16	3,261.17	3,222.01	39.16	83.282	
6,100.00	6,061.32	6,481.38	6,452.82	21.85	21.31	12.47	-243.90	-1,873.97	3,238.95	3,199.68	39.27	82.475	
6,200.00	6,160.58	6,578.86	6,549.75	21.97	21.43	12.51	-243.77	-1,863.78	3,216.73	3,177.33	39.40	81.645	
6,300.00	6,259.83	6,676.33	6,646.69	22.10	21.56	12.55	-243.64	-1,853.60	3,194.52	3,154.98	39.54	80.794	
6,400.00	6,359.09	6,773.80	6,743.63	22.23	21.69	12.60	-243.51	-1,843.41	3,172.30	3,132.61	39.69	79.924	
6,500.00	6,458.34	6,871.27	6,840.57	22.37	21.83	12.64	-243.38	-1,833.22	3,150.09	3,110.23	39.86	79.035	
6,600.00	6,557.60	6,968.74	6,937.50	22.52	21.98	12.69	-243.25	-1,823.03	3,127.88	3,087.85	40.03	78.129	
6,700.00	6,656.85	7,066.21	7,034.44	22.67	22.13	12.73	-243.12	-1,812.85	3,105.67	3,065.45	40.22	77.208	
6,800.00	6,756.10	7,163.68	7,131.38	22.83	22.28	12.78	-242.99	-1,802.66	3,083.47	3,043.04	40.43	76.273	
6,900.00	6,855.36	7,261.16	7,228.32	22.99	22.45	12.83	-242.86	-1,792.47	3,061.26	3,020.62	40.64	75.324	
7,000.00	6,954.61	7,358.63	7,325.26	23.17	22.62	12.88	-242.73	-1,782.28	3,039.06	2,998.19	40.87	74.364	
7,100.00	7,053.87	7,456.10	7,422.19	23.34	22.79	12.93	-242.60	-1,772.09	3,016.86	2,975.75	41.10	73.394	
7,200.00	7,153.12	7,553.57	7,519.13	23.53	22.97	12.98	-242.46	-1,761.91	2,994.66	2,953.31	41.35	72.415	
7,300.00	7,252.38	7,651.04	7,616.07	23.72	23.15	13.03	-242.33	-1,751.72	2,972.46	2,930.85	41.61	71.429	
7,400.00	7,351.63	7,748.51	7,713.01	23.91	23.34	13.08	-242.20	-1,741.53	2,950.27	2,908.39	41.89	70.436	
7,500.00	7,450.89	7,845.99	7,809.94	24.11	23.53	13.13	-242.07	-1,731.34	2,928.08	2,885.91	42.17	69.439	
7,600.00	7,550.14	7,943.46	7,906.88	24.31	23.73	13.18	-241.94	-1,721.16	2,905.89	2,863.43	42.46	68.437	
7,700.00	7,649.40	8,040.93	8,003.82	24.52	23.93	13.24	-241.81	-1,710.97	2,883.70	2,840.94	42.76	67.433	
7,800.00	7,748.65	8,138.40	8,100.76	24.74	24.14	13.29	-241.68	-1,700.78	2,861.52	2,818.44	43.08	66.428	
7,900.00	7,847.91	8,235.87	8,197.69	24.96	24.35	13.35	-241.55	-1,690.59	2,839.34	2,795.94	43.40	65.421	
8,000.00	7,947.16	8,333.34	8,294.63	25.18	24.56	13.41	-241.42	-1,680.41	2,817.16	2,773.43	43.73	64.416	
8,100.00	8,046.41	8,430.81	8,391.57	25.41	24.78	13.46	-241.29	-1,670.22	2,794.98	2,750.91	44.08	63.412	
8,200.00	8,145.67	8,500.00	8,460.42	25.65	24.94	13.50	-241.20	-1,663.41	2,773.38	2,729.97	44.41	62.455	
8,300.00	8,244.92	8,549.30	8,509.55	25.89	25.04	13.53	-241.15	-1,659.30	2,753.17	2,708.45	44.72	61.565	
8,341.02	8,285.64	8,572.71	8,532.89	25.98	25.09	13.55	-241.12	-1,657.57	2,745.32	2,700.47	44.85	61.209	
8,400.00	8,344.23	8,600.00	8,560.12	26.12	25.15	13.53	-241.10	-1,655.74	2,734.90	2,689.87	45.03	60.733	
8,500.00	8,443.79	8,664.20	8,624.22	26.35	25.28	13.51	-241.05	-1,652.19	2,720.39	2,675.04	45.36	59.980	
8,600.00	8,543.56	8,722.32	8,682.30	26.55	25.39	13.49	-241.02	-1,649.91	2,709.93	2,664.26	45.67	59.342	
8,700.00	8,643.47	8,780.73	8,740.69	26.74	25.50	13.48	-241.01	-1,648.51	2,703.52	2,657.54	45.97	58.806	
8,807.69	8,751.15	8,844.19	8,804.15	26.92	25.61	-90.84	-241.00	-1,648.00	2,701.17	2,654.88	46.29	58.355	
8,900.00	8,843.46	8,936.50	8,896.46	27.06	25.76	-90.64	-241.00	-1,648.00	2,701.17	2,654.55	46.62	57.946	
9,000.00	8,943.46	9,036.50	8,996.46	27.21	25.93	-90.64	-241.00	-1,648.00	2,701.17	2,654.19	46.98	57.501	
9,100.00	9,043.46	9,136.50	9,096.46	27.37	26.10	-90.64	-241.00	-1,648.00	2,701.17	2,653.82	47.35	57.052	
9,200.00	9,143.46	9,236.50	9,196.46	27.54	26.27	-90.64	-241.00	-1,648.00	2,701.17	2,653.44	47.72	56.601	
9,300.00	9,243.46	9,336.50	9,296.46	27.70	26.45	-90.64	-241.00	-1,648.00	2,701.17	2,653.06	48.11	56.149	
9,400.00	9,343.46	9,436.50	9,396.46	27.88	26.63	-90.64	-241.00	-1,648.00	2,701.17	2,652.67	48.50	55.694	
9,500.00	9,443.46	9,536.50	9,496.46	28.05	26.82	-90.64	-241.00	-1,648.00	2,701.17	2,652.27	48.90	55.239	
9,600.00	9,543.46	9,636.50	9,596.46	28.23	27.01	-90.64	-241.00	-1,648.00	2,701.17	2,651.86	49.31	54.783	
9,700.00	9,643.46	9,736.50	9,696.46	28.41	27.20	-90.64	-241.00	-1,648.00	2,701.17	2,651.45	49.72	54.327	
9,800.00	9,743.46	9,836.50	9,796.46	28.59	27.40	-90.64	-241.00	-1,648.00	2,701.17	2,651.03	50.14	53.871	
9,900.00	9,843.46	9,936.50	9,896.46	28.78	27.60	-90.64	-241.00	-1,648.00	2,701.17	2,650.60	50.57	53.416	
10,000.00	9,943.46	10,036.50	9,996.46	28.97	27.80	-90.64	-241.00	-1,648.00	2,701.17	2,650.16	51.00	52.961	
10,100.00	10,043.46	10,136.50	10,096.46	29.17	28.01	-90.64	-241.00	-1,648.00	2,701.17	2,649.72	51.44	52.508	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
10,200.00	10,143.46	10,236.50	10,196.46	29.36	28.22	-90.64	-241.00	-1,648.00	2,701.17	2,649.28	51.89	52.056	
10,300.00	10,243.46	10,336.50	10,296.46	29.56	28.43	-90.64	-241.00	-1,648.00	2,701.17	2,648.82	52.34	51.606	
10,400.00	10,343.46	10,436.50	10,396.46	29.77	28.65	-90.64	-241.00	-1,648.00	2,701.17	2,648.37	52.80	51.158	
10,500.00	10,443.46	10,536.50	10,496.46	29.97	28.86	-90.64	-241.00	-1,648.00	2,701.17	2,647.90	53.26	50.712	
10,600.00	10,543.46	10,636.50	10,596.46	30.18	29.09	-90.64	-241.00	-1,648.00	2,701.17	2,647.43	53.73	50.269	
10,700.00	10,643.46	10,736.50	10,696.46	30.39	29.31	-90.64	-241.00	-1,648.00	2,701.17	2,646.96	54.21	49.829	
10,800.00	10,743.46	10,836.50	10,796.46	30.61	29.53	-90.64	-241.00	-1,648.00	2,701.17	2,646.48	54.69	49.391	
10,900.00	10,843.46	10,936.50	10,896.46	30.83	29.76	-90.64	-241.00	-1,648.00	2,701.17	2,645.99	55.17	48.957	
11,000.00	10,943.46	11,036.50	10,996.46	31.05	29.99	-90.64	-241.00	-1,648.00	2,701.17	2,645.50	55.66	48.525	
11,100.00	11,043.46	11,136.50	11,096.46	31.27	30.23	-90.64	-241.00	-1,648.00	2,701.17	2,645.01	56.16	48.097	
11,200.00	11,143.46	11,236.50	11,196.46	31.49	30.46	-90.64	-241.00	-1,648.00	2,701.17	2,644.51	56.66	47.673	
11,300.00	11,243.46	11,336.50	11,296.46	31.72	30.70	-90.64	-241.00	-1,648.00	2,701.17	2,644.00	57.16	47.252	
11,400.00	11,343.46	11,436.50	11,396.46	31.95	30.94	-90.64	-241.00	-1,648.00	2,701.17	2,643.49	57.67	46.835	
11,500.00	11,443.46	11,536.50	11,496.46	32.18	31.19	-90.64	-241.00	-1,648.00	2,701.17	2,642.98	58.19	46.422	
11,600.00	11,543.46	11,636.50	11,596.46	32.42	31.43	-90.64	-241.00	-1,648.00	2,701.17	2,642.46	58.71	46.012	
11,700.00	11,643.46	11,736.50	11,696.46	32.65	31.68	-90.64	-241.00	-1,648.00	2,701.17	2,641.94	59.23	45.607	
11,800.00	11,743.46	11,836.50	11,796.46	32.89	31.93	-90.64	-241.00	-1,648.00	2,701.17	2,641.41	59.75	45.205	
11,900.00	11,843.46	11,936.50	11,896.46	33.13	32.18	-90.64	-241.00	-1,648.00	2,701.17	2,640.88	60.28	44.808	
11,946.54	11,890.00	11,983.05	11,943.00	33.25	32.30	-90.64	-241.00	-1,648.00	2,701.17	2,640.64	60.53	44.625 CC	
11,950.00	11,893.46	11,986.50	11,946.46	33.26	32.31	-90.34	-241.00	-1,648.00	2,701.17	2,640.62	60.55	44.611	
12,000.00	11,943.38	12,036.43	11,996.38	33.37	32.43	-90.39	-241.00	-1,648.00	2,701.18	2,640.37	60.81	44.419	
12,050.00	11,992.90	12,085.94	12,045.90	33.49	32.56	-90.53	-241.00	-1,648.00	2,701.24	2,640.18	61.06	44.237	
12,100.00	12,041.63	12,134.67	12,094.63	33.59	32.69	-90.74	-241.00	-1,648.00	2,701.36	2,640.06	61.30	44.066	
12,150.00	12,089.21	12,183.00	12,142.96	33.69	32.81	-91.03	-240.94	-1,648.00	2,701.61	2,640.08	61.53	43.904	
12,200.00	12,135.27	12,235.91	12,195.75	33.77	32.95	-91.37	-237.77	-1,648.01	2,701.98	2,640.21	61.77	43.741	
12,250.00	12,179.47	12,290.71	12,249.88	33.85	33.09	-91.70	-229.36	-1,648.05	2,702.43	2,640.42	62.01	43.580	
12,300.00	12,221.46	12,347.55	12,304.91	33.92	33.23	-92.03	-215.23	-1,648.11	2,702.96	2,640.71	62.25	43.421	
12,350.00	12,260.93	12,406.56	12,360.26	33.98	33.37	-92.35	-194.86	-1,648.20	2,703.56	2,641.06	62.49	43.262	
12,400.00	12,297.58	12,467.84	12,415.22	34.04	33.52	-92.66	-167.80	-1,648.32	2,704.19	2,641.45	62.74	43.102	
12,450.00	12,331.13	12,531.48	12,468.88	34.09	33.66	-92.95	-133.66	-1,648.47	2,704.84	2,641.84	63.00	42.937	
12,500.00	12,361.31	12,597.47	12,520.18	34.14	33.80	-93.22	-92.21	-1,648.65	2,705.48	2,642.21	63.27	42.764	
12,550.00	12,387.92	12,665.75	12,567.88	34.18	33.95	-93.47	-43.40	-1,648.86	2,706.08	2,642.52	63.56	42.578	
12,600.00	12,410.73	12,736.17	12,610.63	34.23	34.10	-93.68	12.50	-1,649.11	2,706.61	2,642.74	63.87	42.377	
12,650.00	12,429.58	12,808.46	12,647.05	34.28	34.27	-93.85	74.89	-1,649.38	2,707.04	2,642.82	64.22	42.154	
12,700.00	12,444.32	12,882.25	12,675.83	34.34	34.46	-93.98	142.78	-1,649.67	2,707.34	2,642.74	64.60	41.907	
12,746.54	12,454.25	12,951.88	12,694.77	39.52	34.67	-94.05	209.73	-1,649.97	2,707.50	2,642.53	64.97	41.672	
12,771.54	12,458.59	12,984.64	12,700.92	39.54	36.53	-94.06	241.91	-1,650.11	2,707.50	2,642.36	65.14	41.562	
12,800.00	12,463.12	13,015.05	12,706.08	39.57	39.73	-94.07	271.88	-1,650.24	2,707.50	2,642.19	65.31	41.458	
12,850.00	12,469.03	13,072.55	12,713.46	39.62	39.81	-94.07	328.89	-1,650.56	2,707.49	2,641.86	65.62	41.258	
12,900.00	12,472.34	13,130.07	12,717.40	39.68	39.89	-94.07	386.26	-1,650.96	2,707.47	2,641.49	65.99	41.030	
12,938.27	12,473.11	13,173.13	12,718.11	39.73	39.96	-94.07	429.32	-1,651.32	2,707.46	2,641.16	66.29	40.841	
13,000.00	12,473.10	13,234.87	12,718.11	39.82	40.07	-94.07	491.05	-1,651.86	2,707.45	2,640.64	66.81	40.525	
13,100.00	12,473.10	13,334.87	12,718.10	39.98	40.26	-94.07	591.05	-1,652.74	2,707.44	2,639.68	67.76	39.957	
13,200.00	12,473.10	13,434.87	12,718.10	40.17	40.50	-94.07	691.04	-1,653.61	2,707.42	2,638.57	68.85	39.322	
13,300.00	12,473.10	13,534.87	12,718.10	40.39	40.77	-94.07	791.04	-1,654.49	2,707.41	2,637.32	70.09	38.629	
13,400.00	12,473.09	13,634.87	12,718.10	40.65	41.11	-94.07	891.04	-1,655.36	2,707.39	2,635.94	71.45	37.890	
13,500.00	12,473.09	13,734.87	12,718.09	40.96	41.50	-94.07	991.03	-1,656.24	2,707.38	2,634.43	72.95	37.115	
13,600.00	12,473.09	13,834.87	12,718.09	41.32	41.97	-94.07	1,091.03	-1,657.11	2,707.37	2,632.81	74.55	36.314	
13,700.00	12,473.09	13,934.87	12,718.09	41.75	42.52	-94.07	1,191.02	-1,657.99	2,707.35	2,631.08	76.27	35.495	
13,800.00	12,473.08	14,034.87	12,718.09	42.25	43.16	-94.07	1,291.02	-1,658.86	2,707.34	2,629.24	78.10	34.667	
13,900.00	12,473.08	14,134.87	12,718.08	42.82	43.88	-94.07	1,391.02	-1,659.74	2,707.32	2,627.31	80.01	33.838	
14,000.00	12,473.08	14,234.87	12,718.08	43.48	44.67	-94.07	1,491.01	-1,660.61	2,707.31	2,625.29	82.02	33.008	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
14,100.00	12,473.08	14,334.87	12,718.08	44.21	45.54	-94.07	1,591.01	-1,661.49	2,707.30	2,623.19	84.11	32.187	
14,200.00	12,473.07	14,434.87	12,718.08	45.01	46.48	-94.07	1,691.00	-1,662.36	2,707.28	2,621.01	86.28	31.379	
14,300.00	12,473.07	14,534.87	12,718.07	45.88	47.47	-94.07	1,791.00	-1,663.24	2,707.27	2,618.75	88.51	30.586	
14,400.00	12,473.07	14,634.87	12,718.07	46.82	48.52	-94.07	1,891.00	-1,664.11	2,707.26	2,616.44	90.82	29.810	
14,500.00	12,473.07	14,734.87	12,718.07	47.82	49.61	-94.07	1,990.99	-1,664.99	2,707.24	2,614.06	93.18	29.053	
14,600.00	12,473.06	14,834.87	12,718.07	48.86	50.74	-94.07	2,090.99	-1,665.86	2,707.23	2,611.63	95.60	28.318	
14,700.00	12,473.06	14,934.87	12,718.06	49.95	51.91	-94.07	2,190.99	-1,666.74	2,707.21	2,609.14	98.07	27.604	
14,800.00	12,473.06	15,034.87	12,718.06	51.08	53.11	-94.07	2,290.98	-1,667.62	2,707.20	2,606.60	100.60	26.912	
14,900.00	12,473.06	15,134.87	12,718.06	52.25	54.34	-94.07	2,390.98	-1,668.49	2,707.19	2,604.02	103.16	26.242	
15,000.00	12,473.06	15,234.87	12,718.06	53.45	55.59	-94.07	2,490.97	-1,669.37	2,707.17	2,601.40	105.77	25.595	
15,100.00	12,473.05	15,334.87	12,718.05	54.68	56.87	-94.07	2,590.97	-1,670.24	2,707.16	2,598.74	108.42	24.970	
15,200.00	12,473.05	15,434.87	12,718.05	55.94	58.18	-94.07	2,690.97	-1,671.12	2,707.14	2,596.05	111.10	24.367	
15,300.00	12,473.05	15,534.87	12,718.05	57.22	59.50	-94.07	2,790.96	-1,671.99	2,707.13	2,593.32	113.81	23.786	
15,400.00	12,473.05	15,634.87	12,718.05	58.53	60.84	-94.07	2,890.96	-1,672.87	2,707.12	2,590.56	116.56	23.226	
15,500.00	12,473.04	15,734.87	12,718.04	59.85	62.20	-94.07	2,990.95	-1,673.74	2,707.10	2,587.77	119.33	22.685	
15,600.00	12,473.04	15,834.87	12,718.04	61.20	63.57	-94.07	3,090.95	-1,674.62	2,707.09	2,584.96	122.13	22.165	
15,700.00	12,473.04	15,934.87	12,718.04	62.56	64.96	-94.07	3,190.95	-1,675.49	2,707.08	2,582.12	124.96	21.663	
15,800.00	12,473.04	16,034.87	12,718.04	63.93	66.36	-94.07	3,290.94	-1,676.37	2,707.06	2,579.25	127.81	21.180	
15,900.00	12,473.03	16,134.87	12,718.03	65.33	67.78	-94.07	3,390.94	-1,677.24	2,707.05	2,576.37	130.68	20.715	
16,000.00	12,473.03	16,234.87	12,718.03	66.73	69.20	-94.07	3,490.94	-1,678.12	2,707.03	2,573.46	133.57	20.266	
16,100.00	12,473.03	16,334.87	12,718.03	68.15	70.64	-94.07	3,590.93	-1,678.99	2,707.02	2,570.54	136.49	19.834	
16,200.00	12,473.03	16,434.87	12,718.03	69.58	72.09	-94.07	3,690.93	-1,679.87	2,707.01	2,567.59	139.41	19.417	
16,300.00	12,473.02	16,534.87	12,718.02	71.01	73.54	-94.07	3,790.92	-1,680.74	2,706.99	2,564.63	142.36	19.015	
16,400.00	12,473.02	16,634.87	12,718.02	72.46	75.01	-94.07	3,890.92	-1,681.62	2,706.98	2,561.66	145.32	18.627	
16,500.00	12,473.02	16,734.87	12,718.02	73.92	76.48	-94.07	3,990.92	-1,682.50	2,706.97	2,558.67	148.30	18.253	
16,600.00	12,473.02	16,834.87	12,718.02	75.39	77.96	-94.07	4,090.91	-1,683.37	2,706.95	2,555.66	151.29	17.893	
16,700.00	12,473.01	16,934.87	12,718.01	76.87	79.45	-94.07	4,190.91	-1,684.25	2,706.94	2,552.64	154.29	17.544	
16,800.00	12,473.01	17,034.87	12,718.01	78.35	80.95	-94.07	4,290.90	-1,685.12	2,706.92	2,549.62	157.31	17.208	
16,900.00	12,473.01	17,134.87	12,718.01	79.84	82.45	-94.07	4,390.90	-1,686.00	2,706.91	2,546.57	160.34	16.883	
17,000.00	12,473.01	17,234.87	12,718.01	81.34	83.96	-94.07	4,490.90	-1,686.87	2,706.90	2,543.52	163.38	16.569	
17,100.00	12,473.00	17,334.87	12,718.00	82.84	85.47	-94.07	4,590.89	-1,687.75	2,706.88	2,540.46	166.42	16.265	
17,200.00	12,473.00	17,434.87	12,718.00	84.35	86.99	-94.07	4,690.89	-1,688.62	2,706.87	2,537.39	169.48	15.971	
17,236.48	12,473.00	17,471.35	12,718.00	84.91	87.55	-94.07	4,727.37	-1,688.94	2,706.86	2,536.26	170.60	15.867	ES, SF

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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, 3500-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	53.00	53.00	0.00	0.07	-93.51	-252.00	-2,456.00	4,432.29				
100.00	100.00	153.00	153.00	0.13	0.32	-93.51	-252.00	-2,456.00	4,432.29	4,431.85	0.44	9,971.298	
200.00	200.00	253.00	253.00	0.49	0.68	-93.51	-252.00	-2,456.00	4,432.29	4,431.13	1.16	3,816.178	
300.00	300.00	353.00	353.00	0.84	1.03	-93.51	-252.00	-2,456.00	4,432.29	4,430.41	1.88	2,359.622	
400.00	400.00	453.00	453.00	1.20	1.39	-93.51	-252.00	-2,456.00	4,432.29	4,429.70	2.60	1,707.793	
500.00	500.00	553.00	553.00	1.56	1.75	-93.51	-252.00	-2,456.00	4,432.29	4,428.98	3.31	1,338.141	
509.08	509.08	562.08	562.08	1.59	1.78	-93.51	-252.00	-2,456.00	4,432.29	4,428.92	3.38	1,312.354	
600.00	600.00	624.57	624.57	1.92	2.01	-93.51	-252.00	-2,456.08	4,432.46	4,428.54	3.93	1,129.200	
700.00	699.99	670.92	670.91	2.27	2.17	10.61	-251.99	-2,456.66	4,432.42	4,427.99	4.44	999.388	
800.00	799.91	700.00	699.99	2.61	2.27	10.61	-251.99	-2,457.31	4,431.09	4,426.21	4.88	908.438	
900.00	899.69	763.60	763.55	2.96	2.49	10.63	-251.96	-2,459.50	4,428.25	4,422.81	5.44	813.581	
1,000.00	999.27	800.00	799.91	3.32	2.62	10.65	-251.95	-2,461.23	4,424.15	4,418.24	5.92	747.799	
1,066.67	1,065.51	840.82	840.66	3.57	2.76	10.68	-251.92	-2,463.59	4,420.62	4,414.33	6.29	702.420	
1,100.00	1,098.59	856.27	856.07	3.69	2.82	10.68	-251.91	-2,464.59	4,418.78	4,412.32	6.46	683.531	
1,200.00	1,197.85	900.00	899.69	4.07	2.97	10.70	-251.88	-2,467.77	4,414.08	4,407.11	6.97	633.421	
1,300.00	1,297.10	949.05	948.56	4.46	3.15	10.72	-251.84	-2,471.94	4,410.58	4,403.09	7.50	588.436	
1,400.00	1,396.36	1,000.00	999.27	4.84	3.33	10.73	-251.79	-2,476.92	4,408.31	4,400.28	8.03	548.961	
1,500.00	1,495.61	1,041.95	1,040.96	5.24	3.49	10.75	-251.74	-2,481.54	4,407.24	4,398.70	8.53	516.381	
1,537.67	1,533.00	1,059.45	1,058.34	5.38	3.55	10.76	-251.72	-2,483.60	4,407.15	4,398.42	8.73	504.757 CC	
1,600.00	1,594.86	1,100.00	1,098.57	5.63	3.70	10.77	-251.67	-2,488.68	4,407.42	4,398.32	9.10	484.414	
1,700.00	1,694.12	1,175.01	1,172.94	6.03	3.99	10.81	-251.57	-2,498.47	4,408.41	4,398.69	9.73	453.196	
1,800.00	1,793.37	1,274.95	1,272.03	6.42	4.38	10.85	-251.44	-2,511.51	4,409.48	4,399.03	10.45	421.976	
1,900.00	1,892.63	1,374.90	1,371.12	6.82	4.77	10.89	-251.31	-2,524.56	4,410.54	4,399.37	11.18	394.626	
2,000.00	1,991.88	1,474.84	1,470.21	7.22	5.17	10.93	-251.18	-2,537.60	4,411.61	4,399.71	11.90	370.575	
2,100.00	2,091.14	1,574.79	1,569.30	7.63	5.56	10.97	-251.05	-2,550.65	4,412.68	4,400.05	12.63	349.255	
2,200.00	2,190.39	1,674.73	1,668.39	8.03	5.96	11.01	-250.91	-2,563.69	4,413.75	4,400.39	13.37	330.231	
2,300.00	2,289.65	1,774.68	1,767.48	8.43	6.37	11.05	-250.78	-2,576.73	4,414.83	4,400.73	14.10	313.156	
2,400.00	2,388.90	1,874.62	1,866.57	8.83	6.77	11.09	-250.65	-2,589.78	4,415.90	4,401.07	14.83	297.748	
2,500.00	2,488.16	1,974.56	1,965.66	9.24	7.18	11.13	-250.52	-2,602.82	4,416.98	4,401.42	15.57	283.777	
2,600.00	2,587.41	2,074.51	2,064.74	9.64	7.58	11.18	-250.39	-2,615.87	4,418.07	4,401.77	16.30	271.052	
2,700.00	2,686.67	2,174.45	2,163.83	10.05	7.99	11.22	-250.26	-2,628.91	4,419.15	4,402.11	17.03	259.416	
2,800.00	2,785.92	2,274.40	2,262.92	10.45	8.40	11.26	-250.13	-2,641.96	4,420.24	4,402.46	17.77	248.736	
2,900.00	2,885.17	2,374.34	2,362.01	10.86	8.81	11.30	-249.99	-2,655.00	4,421.32	4,402.82	18.51	238.899	
3,000.00	2,984.43	2,474.29	2,461.10	11.26	9.22	11.34	-249.86	-2,668.05	4,422.41	4,403.17	19.24	229.810	
3,100.00	3,083.68	2,574.23	2,560.19	11.67	9.63	11.38	-249.73	-2,681.09	4,423.51	4,403.53	19.98	221.387	
3,200.00	3,182.94	2,674.17	2,659.28	12.08	10.04	11.42	-249.60	-2,694.14	4,424.60	4,403.88	20.72	213.560	
3,300.00	3,282.19	2,774.12	2,758.37	12.48	10.45	11.46	-249.47	-2,707.18	4,425.70	4,404.24	21.46	206.268	
3,400.00	3,381.45	2,874.06	2,857.46	12.89	10.86	11.50	-249.34	-2,720.23	4,426.80	4,404.61	22.19	199.459	
3,500.00	3,480.70	2,974.01	2,956.55	13.30	11.27	11.54	-249.20	-2,733.27	4,427.90	4,404.97	22.93	193.086	
3,600.00	3,579.96	3,073.95	3,055.64	13.70	11.69	11.58	-249.07	-2,746.32	4,429.01	4,405.33	23.67	187.108	
3,700.00	3,679.21	3,173.89	3,154.73	14.11	12.10	11.62	-248.94	-2,759.36	4,430.11	4,405.70	24.41	181.491	
3,800.00	3,778.47	3,273.84	3,253.81	14.52	12.51	11.67	-248.81	-2,772.41	4,431.22	4,406.07	25.15	176.203	
3,900.00	3,877.72	3,373.78	3,352.90	14.93	12.92	11.71	-248.68	-2,785.45	4,432.33	4,406.44	25.89	171.215	
4,000.00	3,976.98	3,473.73	3,451.99	15.33	13.34	11.75	-248.55	-2,798.49	4,433.44	4,406.82	26.63	166.504	
4,100.00	4,076.23	3,573.67	3,551.08	15.74	13.75	11.79	-248.42	-2,811.54	4,434.56	4,407.19	27.37	162.046	
4,200.00	4,175.48	3,673.62	3,650.17	16.15	14.16	11.83	-248.28	-2,824.58	4,435.68	4,407.57	28.11	157.821	
4,300.00	4,274.74	3,773.56	3,749.26	16.56	14.58	11.87	-248.15	-2,837.63	4,436.80	4,407.95	28.85	153.813	
4,400.00	4,373.99	3,873.50	3,848.35	16.97	14.99	11.91	-248.02	-2,850.67	4,437.92	4,408.33	29.59	150.005	
4,500.00	4,473.25	3,973.45	3,947.44	17.37	15.40	11.95	-247.89	-2,863.72	4,439.04	4,408.72	30.33	146.382	
4,600.00	4,572.50	4,073.39	4,046.53	17.78	15.82	11.99	-247.76	-2,876.76	4,440.17	4,409.10	31.07	142.931	
4,700.00	4,671.76	4,173.34	4,145.62	18.19	16.23	12.03	-247.63	-2,889.81	4,441.30	4,409.49	31.81	139.640	
4,800.00	4,771.01	4,273.28	4,244.71	18.60	16.65	12.07	-247.50	-2,902.85	4,442.43	4,409.88	32.55	136.498	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
4,900.00	4,870.27	4,373.23	4,343.80	19.01	17.06	12.11	-247.36	-2,915.90	4,443.56	4,410.28	33.29	133.496	
5,000.00	4,969.52	4,473.17	4,442.88	19.42	17.47	12.15	-247.23	-2,928.94	4,444.70	4,410.67	34.03	130.625	
5,100.00	5,068.78	4,573.11	4,541.97	19.82	17.89	12.19	-247.10	-2,941.99	4,445.84	4,411.07	34.77	127.875	
5,200.00	5,168.03	4,673.06	4,641.06	20.23	18.30	12.23	-246.97	-2,955.03	4,446.98	4,411.47	35.51	125.240	
5,300.00	5,267.29	4,773.00	4,740.15	20.64	18.72	12.27	-246.84	-2,968.08	4,448.12	4,411.87	36.25	122.712	
5,400.00	5,366.54	4,872.95	4,839.24	21.05	19.13	12.31	-246.71	-2,981.12	4,449.26	4,412.27	36.99	120.285	
5,500.00	5,465.79	4,972.89	4,938.33	21.29	19.55	12.35	-246.57	-2,994.16	4,450.41	4,412.86	37.55	118.529	
5,600.00	5,565.05	5,072.83	5,037.42	21.38	19.96	12.39	-246.44	-3,007.21	4,451.56	4,413.63	37.93	117.371	
5,700.00	5,664.30	5,172.78	5,136.51	21.45	20.38	12.43	-246.31	-3,020.25	4,452.71	4,414.39	38.31	116.214	
5,800.00	5,763.56	5,272.72	5,235.60	21.54	20.79	12.48	-246.18	-3,033.30	4,453.86	4,415.15	38.71	115.059	
5,900.00	5,862.81	5,372.67	5,334.69	21.63	21.21	12.52	-246.05	-3,046.34	4,455.02	4,415.91	39.11	113.907	
6,000.00	5,962.07	5,472.61	5,433.78	21.74	21.50	12.56	-245.92	-3,059.39	4,456.17	4,416.79	39.39	113.141	
6,100.00	6,061.32	5,572.56	5,532.87	21.85	21.63	12.60	-245.79	-3,072.43	4,457.33	4,417.85	39.49	112.878	
6,200.00	6,160.58	5,672.50	5,631.95	21.97	21.72	12.64	-245.65	-3,085.48	4,458.49	4,418.94	39.55	112.722	
6,300.00	6,259.83	5,772.44	5,731.04	22.10	21.81	12.68	-245.52	-3,098.52	4,459.66	4,420.03	39.63	112.528	
6,400.00	6,359.09	5,872.39	5,830.13	22.23	21.92	12.72	-245.39	-3,111.57	4,460.83	4,421.10	39.72	112.295	
6,500.00	6,458.34	5,972.33	5,929.22	22.37	22.03	12.76	-245.26	-3,124.61	4,461.99	4,422.16	39.83	112.025	
6,600.00	6,557.60	6,072.28	6,028.31	22.52	22.15	12.80	-245.13	-3,137.66	4,463.16	4,423.21	39.95	111.719	
6,700.00	6,656.85	6,172.22	6,127.40	22.67	22.28	12.84	-245.00	-3,150.70	4,464.34	4,424.25	40.08	111.378	
6,800.00	6,756.10	6,272.17	6,226.49	22.83	22.41	12.88	-244.87	-3,163.75	4,465.51	4,425.28	40.23	111.002	
6,900.00	6,855.36	6,372.11	6,325.58	22.99	22.55	12.92	-244.73	-3,176.79	4,466.69	4,426.30	40.39	110.593	
7,000.00	6,954.61	6,472.05	6,424.67	23.17	22.70	12.96	-244.60	-3,189.83	4,467.87	4,427.31	40.56	110.152	
7,100.00	7,053.87	6,572.00	6,523.76	23.34	22.85	13.00	-244.47	-3,202.88	4,469.05	4,428.30	40.75	109.681	
7,200.00	7,153.12	6,671.94	6,622.85	23.53	23.01	13.04	-244.34	-3,215.92	4,470.23	4,429.29	40.94	109.180	
7,300.00	7,252.38	6,771.89	6,721.94	23.72	23.18	13.08	-244.21	-3,228.97	4,471.42	4,430.27	41.15	108.651	
7,400.00	7,351.63	6,871.83	6,821.03	23.91	23.35	13.12	-244.08	-3,242.01	4,472.61	4,431.23	41.38	108.096	
7,500.00	7,450.89	6,971.77	6,920.11	24.11	23.53	13.16	-243.94	-3,255.06	4,473.80	4,432.19	41.61	107.515	
7,600.00	7,550.14	7,071.72	7,019.20	24.31	23.71	13.20	-243.81	-3,268.10	4,474.99	4,433.13	41.86	106.910	
7,700.00	7,649.40	7,171.66	7,118.29	24.52	23.90	13.24	-243.68	-3,281.15	4,476.19	4,434.07	42.12	106.284	
7,800.00	7,748.65	7,271.61	7,217.38	24.74	24.10	13.28	-243.55	-3,294.19	4,477.38	4,435.00	42.39	105.636	
7,900.00	7,847.91	7,371.55	7,316.47	24.96	24.30	13.32	-243.42	-3,307.24	4,478.58	4,435.92	42.67	104.969	
8,000.00	7,947.16	7,471.50	7,415.56	25.18	24.51	13.36	-243.29	-3,320.28	4,479.78	4,436.83	42.96	104.283	
8,100.00	8,046.41	7,571.44	7,514.65	25.41	24.72	13.40	-243.16	-3,333.33	4,480.99	4,437.73	43.26	103.582	
8,200.00	8,145.67	7,671.38	7,613.74	25.65	24.94	13.44	-243.02	-3,346.37	4,482.19	4,438.62	43.57	102.865	
8,300.00	8,244.92	7,771.33	7,712.83	25.89	25.16	13.48	-242.89	-3,359.42	4,483.40	4,439.50	43.90	102.134	
8,341.02	8,285.64	7,812.33	7,753.48	25.98	25.25	13.49	-242.84	-3,364.77	4,483.90	4,439.86	44.03	101.831	
8,400.00	8,344.23	7,871.27	7,811.91	26.12	25.39	13.52	-242.76	-3,372.46	4,485.05	4,440.82	44.23	101.402	
8,500.00	8,443.79	7,971.16	7,910.95	26.35	25.62	13.56	-242.63	-3,385.50	4,489.04	4,444.47	44.57	100.719	
8,600.00	8,543.56	8,070.92	8,009.86	26.55	25.86	13.61	-242.50	-3,398.52	4,495.56	4,450.65	44.91	100.091	
8,700.00	8,643.47	8,760.06	8,696.47	26.74	27.25	13.72	-242.00	-3,448.00	4,502.58	4,456.42	46.16	97.538	
8,807.69	8,751.15	8,867.74	8,804.15	26.92	27.41	-90.39	-242.00	-3,448.00	4,501.11	4,454.56	46.54	96.711	
8,900.00	8,843.46	8,960.05	8,896.46	27.06	27.55	-90.39	-242.00	-3,448.00	4,501.11	4,454.24	46.87	96.040	
9,000.00	8,943.46	9,060.05	8,996.46	27.21	27.71	-90.39	-242.00	-3,448.00	4,501.11	4,453.88	47.23	95.308	
9,100.00	9,043.46	9,160.05	9,096.46	27.37	27.88	-90.39	-242.00	-3,448.00	4,501.11	4,453.51	47.60	94.571	
9,200.00	9,143.46	9,260.05	9,196.46	27.54	28.04	-90.39	-242.00	-3,448.00	4,501.11	4,453.14	47.97	93.829	
9,300.00	9,243.46	9,360.05	9,296.46	27.70	28.21	-90.39	-242.00	-3,448.00	4,501.11	4,452.75	48.36	93.084	
9,400.00	9,343.46	9,460.05	9,396.46	27.88	28.38	-90.39	-242.00	-3,448.00	4,501.11	4,452.36	48.75	92.337	
9,500.00	9,443.46	9,560.05	9,496.46	28.05	28.56	-90.39	-242.00	-3,448.00	4,501.11	4,451.96	49.14	91.588	
9,600.00	9,543.46	9,660.05	9,596.46	28.23	28.74	-90.39	-242.00	-3,448.00	4,501.11	4,451.56	49.55	90.838	
9,700.00	9,643.46	9,760.05	9,696.46	28.41	28.92	-90.39	-242.00	-3,448.00	4,501.11	4,451.14	49.96	90.088	
9,800.00	9,743.46	9,860.05	9,796.46	28.59	29.11	-90.39	-242.00	-3,448.00	4,501.11	4,450.72	50.38	89.337	
9,900.00	9,843.46	9,960.05	9,896.46	28.78	29.30	-90.39	-242.00	-3,448.00	4,501.11	4,450.30	50.81	88.588	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	9,943.46	10,060.05	9,996.46	28.97	29.49	-90.39	-242.00	-3,448.00	4,501.11	4,449.86	51.24	87.840	
10,100.00	10,043.46	10,160.05	10,096.46	29.17	29.69	-90.39	-242.00	-3,448.00	4,501.11	4,449.43	51.68	87.094	
10,200.00	10,143.46	10,260.05	10,196.46	29.36	29.89	-90.39	-242.00	-3,448.00	4,501.11	4,448.98	52.13	86.350	
10,300.00	10,243.46	10,360.05	10,296.46	29.56	30.09	-90.39	-242.00	-3,448.00	4,501.11	4,448.53	52.58	85.609	
10,400.00	10,343.46	10,460.05	10,396.46	29.77	30.29	-90.39	-242.00	-3,448.00	4,501.11	4,448.07	53.03	84.871	
10,500.00	10,443.46	10,560.05	10,496.46	29.97	30.50	-90.39	-242.00	-3,448.00	4,501.11	4,447.61	53.50	84.137	
10,600.00	10,543.46	10,660.05	10,596.46	30.18	30.71	-90.39	-242.00	-3,448.00	4,501.11	4,447.14	53.97	83.406	
10,700.00	10,643.46	10,760.05	10,696.46	30.39	30.92	-90.39	-242.00	-3,448.00	4,501.11	4,446.67	54.44	82.681	
10,800.00	10,743.46	10,860.05	10,796.46	30.61	31.14	-90.39	-242.00	-3,448.00	4,501.11	4,446.19	54.92	81.959	
10,900.00	10,843.46	10,960.05	10,896.46	30.83	31.36	-90.39	-242.00	-3,448.00	4,501.11	4,445.70	55.40	81.243	
11,000.00	10,943.46	11,060.05	10,996.46	31.05	31.58	-90.39	-242.00	-3,448.00	4,501.11	4,445.21	55.89	80.532	
11,100.00	11,043.46	11,160.05	11,096.46	31.27	31.80	-90.39	-242.00	-3,448.00	4,501.11	4,444.72	56.39	79.827	
11,200.00	11,143.46	11,260.05	11,196.46	31.49	32.03	-90.39	-242.00	-3,448.00	4,501.11	4,444.22	56.88	79.127	
11,300.00	11,243.46	11,360.05	11,296.46	31.72	32.25	-90.39	-242.00	-3,448.00	4,501.11	4,443.72	57.39	78.433	
11,400.00	11,343.46	11,460.05	11,396.46	31.95	32.48	-90.39	-242.00	-3,448.00	4,501.11	4,443.21	57.90	77.744	
11,500.00	11,443.46	11,560.05	11,496.46	32.18	32.72	-90.39	-242.00	-3,448.00	4,501.11	4,442.70	58.41	77.063	
11,600.00	11,543.46	11,660.05	11,596.46	32.42	32.95	-90.39	-242.00	-3,448.00	4,501.11	4,442.18	58.93	76.387	
11,700.00	11,643.46	11,760.05	11,696.46	32.65	33.19	-90.39	-242.00	-3,448.00	4,501.11	4,441.66	59.45	75.718	
11,800.00	11,743.46	11,860.05	11,796.46	32.89	33.43	-90.39	-242.00	-3,448.00	4,501.11	4,441.14	59.97	75.055	
11,900.00	11,843.46	11,960.05	11,896.46	33.13	33.67	-90.39	-242.00	-3,448.00	4,501.11	4,440.61	60.50	74.399	
11,946.54	11,890.00	12,006.59	11,943.00	33.25	33.78	-90.39	-242.00	-3,448.00	4,501.11	4,440.36	60.75	74.097	
11,950.00	11,893.46	12,010.05	11,946.46	33.26	33.79	-90.09	-242.00	-3,448.00	4,501.11	4,440.34	60.76	74.074	
12,000.00	11,943.38	12,059.97	11,996.38	33.37	33.91	-90.13	-242.00	-3,448.00	4,501.11	4,440.09	61.03	73.757	
12,050.00	11,992.90	12,109.49	12,045.90	33.49	34.04	-90.21	-242.00	-3,448.00	4,501.13	4,439.85	61.28	73.454	
12,100.00	12,041.63	12,158.22	12,094.63	33.59	34.16	-90.34	-242.00	-3,448.00	4,501.19	4,439.67	61.52	73.167	
12,150.00	12,089.21	12,206.45	12,142.85	33.69	34.27	-90.52	-241.95	-3,448.00	4,501.31	4,439.56	61.75	72.894	
12,200.00	12,135.27	12,258.64	12,194.94	33.77	34.40	-90.72	-238.86	-3,448.01	4,501.50	4,439.51	61.99	72.621	
12,250.00	12,179.47	12,312.66	12,248.32	33.85	34.54	-90.92	-230.68	-3,448.05	4,501.74	4,439.52	62.22	72.351	
12,300.00	12,221.46	12,368.65	12,302.57	33.92	34.67	-91.12	-216.95	-3,448.11	4,502.03	4,439.57	62.46	72.082	
12,350.00	12,260.93	12,426.76	12,357.18	33.98	34.81	-91.32	-197.17	-3,448.20	4,502.36	4,439.66	62.70	71.811	
12,400.00	12,297.58	12,487.09	12,411.46	34.04	34.95	-91.50	-170.89	-3,448.31	4,502.71	4,439.77	62.94	71.535	
12,450.00	12,331.13	12,549.74	12,464.58	34.09	35.09	-91.69	-137.72	-3,448.46	4,503.08	4,439.88	63.20	71.249	
12,500.00	12,361.31	12,614.74	12,515.51	34.14	35.23	-91.86	-97.40	-3,448.63	4,503.46	4,439.98	63.47	70.949	
12,550.00	12,387.92	12,682.05	12,563.10	34.18	35.37	-92.01	-49.85	-3,448.84	4,503.81	4,440.04	63.77	70.631	
12,600.00	12,410.73	12,751.57	12,606.04	34.23	35.52	-92.15	4.76	-3,449.08	4,504.13	4,440.05	64.08	70.290	
12,650.00	12,429.58	12,823.06	12,642.97	34.28	35.68	-92.26	65.92	-3,449.34	4,504.40	4,439.97	64.42	69.920	
12,700.00	12,444.32	12,896.20	12,672.58	34.34	35.86	-92.35	132.74	-3,449.64	4,504.59	4,439.80	64.79	69.522	
12,746.54	12,454.25	12,965.39	12,692.55	39.52	36.05	-92.41	198.95	-3,449.92	4,504.71	4,439.56	65.14	69.150	
12,771.54	12,458.59	13,001.44	12,699.75	39.54	36.43	-92.42	234.26	-3,450.08	4,504.71	4,439.39	65.32	68.961	
12,800.00	12,463.12	13,030.45	12,704.76	39.57	41.05	-92.42	262.83	-3,450.20	4,504.70	4,439.21	65.48	68.791	
12,850.00	12,469.03	13,084.86	12,712.29	39.62	41.14	-92.43	316.72	-3,450.49	4,504.68	4,438.90	65.79	68.474	
12,900.00	12,472.34	13,139.34	12,716.75	39.68	41.23	-92.44	371.01	-3,450.85	4,504.68	4,438.54	66.13	68.117	
12,919.69	12,472.93	13,160.81	12,717.65	39.71	41.27	-92.44	392.46	-3,451.02	4,504.67	4,438.39	66.28	67.963	
12,938.27	12,473.11	13,181.07	12,718.06	39.73	41.31	-92.44	412.71	-3,451.19	4,504.68	4,438.25	66.43	67.816	
13,000.00	12,473.10	13,243.57	12,718.11	39.82	41.44	-92.44	475.21	-3,451.73	4,504.67	4,437.73	66.94	67.290	
13,100.00	12,473.10	13,343.57	12,718.10	39.98	41.67	-92.44	575.20	-3,452.61	4,504.66	4,436.77	67.89	66.352	
13,200.00	12,473.10	13,443.57	12,718.10	40.17	41.94	-92.44	675.20	-3,453.49	4,504.65	4,435.66	68.98	65.300	
13,300.00	12,473.10	13,543.57	12,718.10	40.39	42.25	-92.44	775.19	-3,454.36	4,504.63	4,434.42	70.22	64.154	
13,400.00	12,473.09	13,643.57	12,718.10	40.65	42.61	-92.44	875.19	-3,455.24	4,504.62	4,433.04	71.58	62.930	
13,500.00	12,473.09	13,743.57	12,718.09	40.96	43.02	-92.44	975.19	-3,456.12	4,504.61	4,431.54	73.07	61.646	
13,600.00	12,473.09	13,843.57	12,718.09	41.32	43.50	-92.44	1,075.18	-3,457.00	4,504.60	4,429.92	74.68	60.318	
13,700.00	12,473.09	13,943.57	12,718.09	41.75	44.04	-92.44	1,175.18	-3,457.87	4,504.59	4,428.19	76.40	58.961	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
13,800.00	12,473.08	14,043.57	12,718.09	42.25	44.65	-92.44	1,275.17	-3,458.75	4,504.57	4,426.35	78.22	57.588	
13,900.00	12,473.08	14,143.57	12,718.08	42.82	45.33	-92.44	1,375.17	-3,459.63	4,504.56	4,424.42	80.14	56.209	
14,000.00	12,473.08	14,243.57	12,718.08	43.48	46.07	-92.44	1,475.17	-3,460.51	4,504.55	4,422.40	82.15	54.836	
14,100.00	12,473.08	14,343.57	12,718.08	44.21	46.89	-92.44	1,575.16	-3,461.38	4,504.54	4,420.30	84.24	53.475	
14,200.00	12,473.07	14,443.57	12,718.08	45.01	47.76	-92.44	1,675.16	-3,462.26	4,504.53	4,418.12	86.40	52.134	
14,300.00	12,473.07	14,543.57	12,718.07	45.88	48.70	-92.44	1,775.16	-3,463.14	4,504.51	4,415.87	88.64	50.818	
14,400.00	12,473.07	14,643.57	12,718.07	46.82	49.68	-92.44	1,875.15	-3,464.02	4,504.50	4,413.56	90.94	49.530	
14,500.00	12,473.07	14,743.57	12,718.07	47.82	50.72	-92.44	1,975.15	-3,464.89	4,504.49	4,411.18	93.31	48.275	
14,600.00	12,473.06	14,843.57	12,718.07	48.86	51.80	-92.44	2,075.14	-3,465.77	4,504.48	4,408.75	95.73	47.053	
14,700.00	12,473.06	14,943.57	12,718.06	49.95	52.92	-92.44	2,175.14	-3,466.65	4,504.47	4,406.26	98.21	45.868	
14,800.00	12,473.06	15,043.57	12,718.06	51.08	54.07	-92.44	2,275.14	-3,467.52	4,504.46	4,403.73	100.73	44.719	
14,900.00	12,473.06	15,143.57	12,718.06	52.25	55.26	-92.44	2,375.13	-3,468.40	4,504.44	4,401.15	103.30	43.607	
15,000.00	12,473.06	15,243.57	12,718.06	53.45	56.48	-92.44	2,475.13	-3,469.28	4,504.43	4,398.53	105.90	42.533	
15,100.00	12,473.05	15,343.57	12,718.05	54.68	57.72	-92.44	2,575.12	-3,470.16	4,504.42	4,395.87	108.55	41.495	
15,200.00	12,473.05	15,443.57	12,718.05	55.94	58.99	-92.44	2,675.12	-3,471.03	4,504.41	4,393.17	111.24	40.494	
15,300.00	12,473.05	15,543.57	12,718.05	57.22	60.28	-92.44	2,775.12	-3,471.91	4,504.40	4,390.44	113.95	39.529	
15,400.00	12,473.05	15,643.57	12,718.05	58.53	61.59	-92.44	2,875.11	-3,472.79	4,504.38	4,387.68	116.70	38.598	
15,500.00	12,473.04	15,743.57	12,718.04	59.85	62.92	-92.44	2,975.11	-3,473.67	4,504.37	4,384.89	119.48	37.700	
15,600.00	12,473.04	15,843.57	12,718.04	61.20	64.27	-92.44	3,075.11	-3,474.54	4,504.36	4,382.08	122.28	36.836	
15,700.00	12,473.04	15,943.57	12,718.04	62.56	65.64	-92.44	3,175.10	-3,475.42	4,504.35	4,379.24	125.11	36.003	
15,800.00	12,473.04	16,043.57	12,718.04	63.93	67.01	-92.44	3,275.10	-3,476.30	4,504.34	4,376.37	127.96	35.200	
15,900.00	12,473.03	16,143.57	12,718.03	65.33	68.41	-92.44	3,375.09	-3,477.17	4,504.33	4,373.49	130.84	34.427	
16,000.00	12,473.03	16,243.57	12,718.03	66.73	69.81	-92.44	3,475.09	-3,478.05	4,504.31	4,370.58	133.73	33.682	
16,100.00	12,473.03	16,343.57	12,718.03	68.15	71.23	-92.44	3,575.09	-3,478.93	4,504.30	4,367.66	136.65	32.963	
16,200.00	12,473.03	16,443.57	12,718.03	69.58	72.66	-92.44	3,675.08	-3,479.81	4,504.29	4,364.71	139.58	32.271	
16,300.00	12,473.02	16,543.57	12,718.02	71.01	74.10	-92.44	3,775.08	-3,480.68	4,504.28	4,361.75	142.53	31.603	
16,400.00	12,473.02	16,643.57	12,718.02	72.46	75.55	-92.44	3,875.07	-3,481.56	4,504.27	4,358.78	145.49	30.959	
16,500.00	12,473.02	16,743.57	12,718.02	73.92	77.01	-92.44	3,975.07	-3,482.44	4,504.25	4,355.78	148.47	30.338	
16,600.00	12,473.02	16,843.57	12,718.02	75.39	78.48	-92.44	4,075.07	-3,483.32	4,504.24	4,352.78	151.46	29.738	
16,700.00	12,473.01	16,943.57	12,718.01	76.87	79.95	-92.44	4,175.06	-3,484.19	4,504.23	4,349.76	154.47	29.159	
16,800.00	12,473.01	17,043.57	12,718.01	78.35	81.43	-92.44	4,275.06	-3,485.07	4,504.22	4,346.73	157.49	28.600	
16,900.00	12,473.01	17,143.57	12,718.01	79.84	82.92	-92.44	4,375.06	-3,485.95	4,504.21	4,343.69	160.52	28.060	
17,000.00	12,473.01	17,243.57	12,718.01	81.34	84.42	-92.44	4,475.05	-3,486.82	4,504.19	4,340.63	163.56	27.538	
17,100.00	12,473.00	17,343.57	12,718.00	82.84	85.92	-92.44	4,575.05	-3,487.70	4,504.18	4,337.57	166.61	27.034	
17,200.00	12,473.00	17,443.57	12,718.00	84.35	87.43	-92.44	4,675.04	-3,488.58	4,504.17	4,334.49	169.68	26.546	
17,236.48	12,473.00	17,480.05	12,718.00	84.91	87.98	-92.44	4,711.53	-3,488.90	4,504.17	4,333.37	170.80	26.372	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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-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	-90.55	0.00	0.00	1,968.09				
100.00	100.00	132.00	132.00	0.13	0.24	-90.55	0.00	0.00	1,968.09	1,967.72	0.37	5,330.317	
200.00	200.00	232.00	232.00	0.49	0.60	-90.55	0.00	0.00	1,968.09	1,967.01	1.09	1,811.957	
300.00	300.00	332.00	332.00	0.84	0.96	-90.55	0.00	0.00	1,968.09	1,966.29	1.80	1,091.497	
400.00	400.00	432.00	432.00	1.20	1.32	-90.55	0.00	0.00	1,968.09	1,965.57	2.52	780.972	
500.00	500.00	532.00	532.00	1.56	1.68	-90.55	0.00	0.00	1,968.09	1,964.85	3.24	607.999	
600.00	600.00	632.00	632.00	1.92	2.03	-90.55	0.00	0.00	1,968.09	1,964.14	3.95	497.754	
700.00	699.99	731.99	731.99	2.27	2.39	13.57	0.00	0.00	1,966.82	1,962.16	4.66	422.024	
800.00	799.91	821.37	821.37	2.61	2.71	13.61	-0.02	-0.06	1,963.09	1,957.77	5.32	368.916	
900.00	899.69	888.27	888.26	2.96	2.94	13.65	-0.29	-0.98	1,958.11	1,952.21	5.90	331.909	
1,000.00	999.27	955.20	955.16	3.32	3.17	13.69	-0.91	-3.02	1,952.27	1,945.79	6.48	301.440	
1,066.67	1,065.51	1,000.00	999.91	3.57	3.33	13.73	-1.51	-5.01	1,947.89	1,941.03	6.86	283.844	
1,100.00	1,098.59	1,022.16	1,022.06	3.69	3.40	13.73	-1.86	-6.19	1,945.71	1,938.65	7.06	275.752	
1,200.00	1,197.85	1,089.28	1,089.01	4.07	3.64	13.75	-3.16	-10.48	1,940.26	1,932.63	7.64	254.054	
1,300.00	1,297.10	1,156.49	1,155.97	4.46	3.87	13.76	-4.79	-15.92	1,936.51	1,928.28	8.22	235.510	
1,400.00	1,396.36	1,235.31	1,234.39	4.84	4.18	13.77	-7.10	-23.57	1,934.33	1,925.48	8.85	218.477	
1,500.00	1,495.61	1,335.30	1,333.83	5.24	4.52	13.76	-10.11	-33.58	1,932.51	1,922.94	9.57	201.958	
1,600.00	1,594.86	1,435.28	1,433.26	5.63	4.89	13.76	-13.13	-43.58	1,930.69	1,920.40	10.29	187.696	
1,700.00	1,694.12	1,535.26	1,532.70	6.03	5.27	13.76	-16.14	-53.59	1,928.87	1,917.86	11.01	175.225	
1,800.00	1,793.37	1,635.25	1,632.13	6.42	5.64	13.76	-19.16	-63.60	1,927.05	1,915.32	11.73	164.255	
1,900.00	1,892.63	1,735.23	1,731.57	6.82	6.02	13.76	-22.17	-73.61	1,925.23	1,912.77	12.46	154.535	
2,000.00	1,991.88	1,835.22	1,831.00	7.22	6.40	13.76	-25.18	-83.61	1,923.41	1,910.22	13.19	145.867	
2,100.00	2,091.14	1,935.20	1,930.44	7.63	6.79	13.75	-28.20	-93.62	1,921.58	1,907.67	13.92	138.092	
2,200.00	2,190.39	2,035.18	2,029.88	8.03	7.17	13.75	-31.21	-103.63	1,919.76	1,905.12	14.65	131.079	
2,300.00	2,289.65	2,135.17	2,129.31	8.43	7.56	13.75	-34.23	-113.63	1,917.94	1,902.57	15.38	124.725	
2,400.00	2,388.90	2,235.15	2,228.75	8.83	7.95	13.75	-37.24	-123.64	1,916.12	1,900.01	16.11	118.941	
2,500.00	2,488.16	2,335.13	2,328.18	9.24	8.33	13.75	-40.26	-133.65	1,914.30	1,897.46	16.84	113.655	
2,600.00	2,587.41	2,435.12	2,427.62	9.64	8.72	13.75	-43.27	-143.65	1,912.48	1,894.90	17.58	108.806	
2,700.00	2,686.67	2,535.10	2,527.05	10.05	9.11	13.75	-46.28	-153.66	1,910.66	1,892.35	18.31	104.342	
2,800.00	2,785.92	2,635.08	2,626.49	10.45	9.50	13.74	-49.30	-163.67	1,908.84	1,889.79	19.05	100.219	
2,900.00	2,885.17	2,735.07	2,725.93	10.86	9.89	13.74	-52.31	-173.68	1,907.02	1,887.23	19.78	96.401	
3,000.00	2,984.43	2,835.05	2,825.36	11.26	10.28	13.74	-55.33	-183.68	1,905.20	1,884.68	20.52	92.854	
3,100.00	3,083.68	2,935.03	2,924.80	11.67	10.67	13.74	-58.34	-193.69	1,903.37	1,882.12	21.25	89.552	
3,200.00	3,182.94	3,035.02	3,024.23	12.08	11.07	13.74	-61.35	-203.70	1,901.55	1,879.56	21.99	86.469	
3,300.00	3,282.19	3,135.00	3,123.67	12.48	11.46	13.74	-64.37	-213.70	1,899.73	1,877.00	22.73	83.585	
3,400.00	3,381.45	3,234.98	3,223.10	12.89	11.85	13.73	-67.38	-223.71	1,897.91	1,874.45	23.47	80.881	
3,500.00	3,480.70	3,334.97	3,322.54	13.30	12.24	13.73	-70.40	-233.72	1,896.09	1,871.89	24.20	78.342	
3,600.00	3,579.96	3,434.95	3,421.98	13.70	12.64	13.73	-73.41	-243.72	1,894.27	1,869.33	24.94	75.951	
3,700.00	3,679.21	3,534.93	3,521.41	14.11	13.03	13.73	-76.43	-253.73	1,892.45	1,866.77	25.68	73.698	
3,800.00	3,778.47	3,634.92	3,620.85	14.52	13.42	13.73	-79.44	-263.74	1,890.63	1,864.21	26.42	71.570	
3,900.00	3,877.72	3,734.90	3,720.28	14.93	13.82	13.73	-82.45	-273.75	1,888.81	1,861.65	27.15	69.557	
4,000.00	3,976.98	3,834.88	3,819.72	15.33	14.21	13.72	-85.47	-283.75	1,886.99	1,859.09	27.89	67.650	
4,100.00	4,076.23	3,934.87	3,919.15	15.74	14.60	13.72	-88.48	-293.76	1,885.16	1,856.53	28.63	65.841	
4,200.00	4,175.48	4,034.85	4,018.59	16.15	15.00	13.72	-91.50	-303.77	1,883.34	1,853.97	29.37	64.123	
4,300.00	4,274.74	4,134.83	4,118.03	16.56	15.39	13.72	-94.51	-313.77	1,881.52	1,851.41	30.11	62.489	
4,400.00	4,373.99	4,234.82	4,217.46	16.97	15.79	13.72	-97.52	-323.78	1,879.70	1,848.85	30.85	60.933	
4,500.00	4,473.25	4,334.80	4,316.90	17.37	16.18	13.72	-100.54	-333.79	1,877.88	1,846.29	31.59	59.450	
4,600.00	4,572.50	4,434.78	4,416.33	17.78	16.57	13.71	-103.55	-343.80	1,876.06	1,843.73	32.33	58.034	
4,700.00	4,671.76	4,534.77	4,515.77	18.19	16.97	13.71	-106.57	-353.80	1,874.24	1,841.17	33.07	56.682	
4,800.00	4,771.01	4,634.75	4,615.20	18.60	17.36	13.71	-109.58	-363.81	1,872.42	1,838.61	33.81	55.388	
4,900.00	4,870.27	4,734.73	4,714.64	19.01	17.76	13.71	-112.60	-373.82	1,870.60	1,836.05	34.54	54.150	
5,000.00	4,969.52	4,834.72	4,814.08	19.42	18.15	13.71	-115.61	-383.82	1,868.78	1,833.49	35.28	52.963	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-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	5,068.78	4,934.70	4,913.51	19.82	18.55	13.71	-118.62	-393.83	1,868.95	1,830.93	38.02	51.825	
5,200.00	5,168.03	5,034.68	5,012.95	20.23	18.94	13.70	-121.64	-403.84	1,865.13	1,828.37	36.76	50.733	
5,300.00	5,267.29	5,134.67	5,112.38	20.64	19.34	13.70	-124.65	-413.84	1,863.31	1,825.81	37.50	49.684	
5,400.00	5,366.54	5,234.65	5,211.82	21.05	19.73	13.70	-127.67	-423.85	1,861.49	1,823.25	38.24	48.675	
5,500.00	5,465.79	5,334.63	5,311.25	21.29	20.13	13.70	-130.68	-433.86	1,859.67	1,820.87	38.80	47.929	
5,600.00	5,565.05	5,434.62	5,410.69	21.36	20.46	13.70	-133.69	-443.87	1,857.85	1,818.73	39.12	47.494	
5,700.00	5,664.30	5,534.60	5,510.13	21.45	20.63	13.70	-136.71	-453.87	1,856.03	1,816.77	39.26	47.273	
5,800.00	5,763.56	5,634.58	5,609.56	21.54	20.69	13.69	-139.72	-463.88	1,854.21	1,814.91	39.30	47.180	
5,900.00	5,862.81	5,734.57	5,709.00	21.63	20.76	13.69	-142.74	-473.89	1,852.39	1,813.03	39.35	47.071	
6,000.00	5,962.07	5,834.55	5,808.43	21.74	20.83	13.69	-145.75	-483.89	1,850.57	1,811.15	39.42	46.945	
6,100.00	6,061.32	5,934.53	5,907.87	21.85	20.91	13.69	-148.77	-493.90	1,848.75	1,809.25	39.50	46.804	
6,200.00	6,160.58	6,034.52	6,007.30	21.97	21.00	13.69	-151.78	-503.91	1,846.92	1,807.33	39.59	46.647	
6,300.00	6,259.83	6,134.50	6,106.74	22.10	21.10	13.69	-154.79	-513.91	1,845.10	1,805.40	39.70	46.475	
6,400.00	6,359.09	6,234.49	6,206.17	22.23	21.20	13.68	-157.81	-523.92	1,843.28	1,803.46	39.82	46.288	
6,500.00	6,458.34	6,334.47	6,305.61	22.37	21.31	13.68	-160.82	-533.93	1,841.46	1,801.50	39.96	46.086	
6,600.00	6,557.60	6,434.45	6,405.05	22.52	21.43	13.68	-163.84	-543.94	1,839.64	1,799.54	40.10	45.871	
6,700.00	6,656.85	6,534.44	6,504.48	22.67	21.55	13.68	-166.85	-553.94	1,837.82	1,797.55	40.27	45.643	
6,800.00	6,756.10	6,634.42	6,603.92	22.83	21.68	13.68	-169.86	-563.95	1,836.00	1,795.56	40.44	45.402	
6,900.00	6,855.36	6,734.40	6,703.35	22.99	21.82	13.68	-172.88	-573.96	1,834.18	1,793.55	40.63	45.149	
7,000.00	6,954.61	6,834.39	6,802.79	23.17	21.96	13.67	-175.89	-583.96	1,832.36	1,791.53	40.82	44.884	
7,100.00	7,053.87	6,934.37	6,902.22	23.34	22.11	13.67	-178.91	-593.97	1,830.54	1,789.50	41.04	44.608	
7,200.00	7,153.12	7,034.35	7,001.66	23.53	22.26	13.67	-181.92	-603.98	1,828.71	1,787.46	41.26	44.322	
7,300.00	7,252.38	7,134.34	7,101.10	23.72	22.42	13.67	-184.94	-613.98	1,826.89	1,785.40	41.50	44.026	
7,400.00	7,351.63	7,234.32	7,200.53	23.91	22.59	13.67	-187.95	-623.99	1,825.07	1,783.33	41.74	43.722	
7,500.00	7,450.89	7,334.30	7,299.97	24.11	22.76	13.67	-190.96	-634.00	1,823.25	1,781.25	42.00	43.408	
7,600.00	7,550.14	7,434.29	7,399.40	24.31	22.94	13.66	-193.98	-644.01	1,821.43	1,779.16	42.27	43.087	
7,700.00	7,649.40	7,534.27	7,498.84	24.52	23.12	13.66	-196.99	-654.01	1,819.61	1,777.06	42.55	42.759	
7,800.00	7,748.65	7,634.25	7,598.27	24.74	23.31	13.66	-200.01	-664.02	1,817.79	1,774.94	42.85	42.425	
7,900.00	7,847.91	7,734.24	7,697.71	24.96	23.50	13.66	-203.02	-674.03	1,815.97	1,772.82	43.15	42.084	
8,000.00	7,947.16	7,834.22	7,797.15	25.18	23.70	13.66	-206.03	-684.03	1,814.15	1,770.68	43.47	41.738	
8,100.00	8,046.41	7,934.20	7,896.58	25.41	23.91	13.66	-209.05	-694.04	1,812.33	1,768.54	43.79	41.387	
8,200.00	8,145.67	8,034.19	7,996.02	25.65	24.12	13.65	-212.06	-704.05	1,810.51	1,766.38	44.12	41.032	
8,300.00	8,244.92	8,134.17	8,095.45	25.89	24.33	13.65	-215.08	-714.05	1,808.68	1,764.22	44.47	40.674	
8,341.02	8,285.64	8,175.19	8,136.25	25.98	24.42	13.65	-216.31	-718.16	1,807.94	1,763.33	44.61	40.526	
8,400.00	8,344.23	8,234.16	8,194.89	26.12	24.55	13.64	-218.09	-724.06	1,807.31	1,762.49	44.82	40.323	
8,500.00	8,443.79	8,393.24	8,353.31	26.35	24.89	13.63	-222.25	-737.87	1,807.10	1,761.82	45.28	39.911	
8,600.00	8,543.56	8,576.33	8,536.18	26.55	25.23	13.63	-224.72	-746.06	1,805.02	1,759.29	45.74	39.467	
8,700.00	8,643.47	8,715.53	8,675.47	26.74	25.46	13.66	-225.00	-747.00	1,801.53	1,755.41	46.12	39.066	
8,807.69	8,751.15	8,823.30	8,783.15	26.92	25.63	-90.45	-225.00	-747.00	1,800.05	1,753.56	46.49	38.718	
8,900.00	8,843.46	8,915.61	8,875.46	27.06	25.77	-90.45	-225.00	-747.00	1,800.05	1,753.24	46.81	38.452	
9,000.00	8,943.46	9,015.61	8,975.46	27.21	25.94	-90.45	-225.00	-747.00	1,800.05	1,752.89	47.17	38.162	
9,100.00	9,043.46	9,115.61	9,075.46	27.37	26.11	-90.45	-225.00	-747.00	1,800.05	1,752.52	47.53	37.869	
9,200.00	9,143.46	9,215.61	9,175.46	27.54	26.28	-90.45	-225.00	-747.00	1,800.05	1,752.15	47.91	37.575	
9,300.00	9,243.46	9,315.61	9,275.46	27.70	26.45	-90.45	-225.00	-747.00	1,800.05	1,751.77	48.29	37.279	
9,400.00	9,343.46	9,415.61	9,375.46	27.88	26.63	-90.45	-225.00	-747.00	1,800.05	1,751.38	48.67	36.982	
9,500.00	9,443.46	9,515.61	9,475.46	28.05	26.82	-90.45	-225.00	-747.00	1,800.05	1,750.99	49.07	36.684	
9,600.00	9,543.46	9,615.61	9,575.46	28.23	27.00	-90.45	-225.00	-747.00	1,800.05	1,750.58	49.47	36.386	
9,700.00	9,643.46	9,715.61	9,675.46	28.41	27.19	-90.45	-225.00	-747.00	1,800.05	1,750.17	49.88	36.087	
9,800.00	9,743.46	9,815.61	9,775.46	28.59	27.39	-90.45	-225.00	-747.00	1,800.05	1,749.76	50.30	35.789	
9,900.00	9,843.46	9,915.61	9,875.46	28.78	27.58	-90.45	-225.00	-747.00	1,800.05	1,749.33	50.72	35.490	
10,000.00	9,943.46	10,015.61	9,975.46	28.97	27.78	-90.45	-225.00	-747.00	1,800.05	1,748.90	51.15	35.192	
10,100.00	10,043.46	10,115.61	10,075.46	29.17	27.99	-90.45	-225.00	-747.00	1,800.05	1,748.47	51.59	34.895	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-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	10,143.46	10,215.61	10,175.46	29.36	28.19	-90.45	-225.00	-747.00	1,800.05	1,748.03	52.03	34.598	
10,300.00	10,243.46	10,315.61	10,275.46	29.56	28.40	-90.45	-225.00	-747.00	1,800.05	1,747.58	52.48	34.302	
10,400.00	10,343.46	10,415.61	10,375.46	29.77	28.61	-90.45	-225.00	-747.00	1,800.05	1,747.12	52.93	34.008	
10,500.00	10,443.46	10,515.61	10,475.46	29.97	28.83	-90.45	-225.00	-747.00	1,800.05	1,746.66	53.39	33.715	
10,600.00	10,543.46	10,615.61	10,575.46	30.18	29.05	-90.45	-225.00	-747.00	1,800.05	1,746.20	53.86	33.424	
10,700.00	10,643.46	10,715.61	10,675.46	30.39	29.27	-90.45	-225.00	-747.00	1,800.05	1,745.73	54.33	33.134	
10,800.00	10,743.46	10,815.61	10,775.46	30.61	29.49	-90.45	-225.00	-747.00	1,800.05	1,745.25	54.80	32.846	
10,900.00	10,843.46	10,915.61	10,875.46	30.83	29.72	-90.45	-225.00	-747.00	1,800.05	1,744.77	55.28	32.560	
11,000.00	10,943.46	11,015.61	10,975.46	31.05	29.95	-90.45	-225.00	-747.00	1,800.05	1,744.28	55.77	32.276	
11,100.00	11,043.46	11,115.61	11,075.46	31.27	30.18	-90.45	-225.00	-747.00	1,800.05	1,743.79	56.26	31.994	
11,200.00	11,143.46	11,215.61	11,175.46	31.49	30.41	-90.45	-225.00	-747.00	1,800.05	1,743.30	56.76	31.714	
11,300.00	11,243.46	11,315.61	11,275.46	31.72	30.65	-90.45	-225.00	-747.00	1,800.05	1,742.79	57.26	31.436	
11,400.00	11,343.46	11,415.61	11,375.46	31.95	30.89	-90.45	-225.00	-747.00	1,800.05	1,742.29	57.77	31.161	
11,500.00	11,443.46	11,515.61	11,475.46	32.18	31.13	-90.45	-225.00	-747.00	1,800.05	1,741.78	58.28	30.889	
11,600.00	11,543.46	11,615.61	11,575.46	32.42	31.37	-90.45	-225.00	-747.00	1,800.05	1,741.26	58.79	30.618	
11,700.00	11,643.46	11,715.61	11,575.46	32.65	31.62	-90.45	-225.00	-747.00	1,800.05	1,740.75	59.31	30.351	
11,800.00	11,743.46	11,815.61	11,775.46	32.89	31.86	-90.45	-225.00	-747.00	1,800.05	1,740.22	59.83	30.085	
11,900.00	11,843.46	11,915.61	11,875.46	33.13	32.11	-90.45	-225.00	-747.00	1,800.05	1,739.70	60.36	29.823	
11,946.54	11,890.00	11,962.25	11,922.09	33.25	32.23	-90.44	-224.87	-747.00	1,800.05	1,739.45	60.60	29.702	
11,950.00	11,893.46	11,965.73	11,925.58	33.26	32.24	-90.14	-224.79	-747.00	1,800.05	1,739.43	60.62	29.693	
12,000.00	11,943.38	12,016.06	11,975.76	33.37	32.36	-90.11	-221.21	-747.02	1,800.05	1,739.17	60.88	29.567	
12,050.00	11,992.90	12,066.29	12,025.34	33.49	32.47	-90.07	-213.27	-747.06	1,800.05	1,738.93	61.12	29.450	
12,100.00	12,041.63	12,116.42	12,073.94	33.59	32.58	-90.03	-201.04	-747.13	1,800.05	1,738.70	61.35	29.341	
12,148.82	12,088.10	12,165.27	12,120.10	33.68	32.67	-90.00	-185.09	-747.21	1,800.05	1,738.49	61.56	29.242 CC	
12,150.00	12,089.21	12,166.45	12,121.20	33.69	32.68	-90.00	-184.65	-747.21	1,800.05	1,738.49	61.56	29.240	
12,200.00	12,135.27	12,216.39	12,166.76	33.77	32.76	-89.96	-164.25	-747.32	1,800.05	1,738.29	61.76	29.145	
12,250.00	12,179.47	12,266.23	12,210.29	33.85	32.84	-89.93	-140.01	-747.45	1,800.05	1,738.10	61.95	29.057	
12,300.00	12,221.46	12,315.98	12,251.47	33.92	32.92	-89.89	-112.13	-747.59	1,800.05	1,737.92	62.13	28.972	
12,350.00	12,260.93	12,365.63	12,290.01	33.98	32.98	-89.86	-80.85	-747.75	1,800.05	1,737.75	62.31	28.890	
12,400.00	12,297.58	12,415.19	12,325.63	34.04	33.04	-89.83	-46.42	-747.94	1,800.06	1,737.57	62.48	28.809	
12,450.00	12,331.13	12,464.67	12,358.10	34.09	33.09	-89.80	-9.10	-748.13	1,800.06	1,737.40	62.66	28.727	
12,500.00	12,361.31	12,514.07	12,387.18	34.14	33.13	-89.77	30.81	-748.34	1,800.06	1,737.22	62.85	28.642	
12,550.00	12,387.92	12,563.39	12,412.68	34.18	33.18	-89.74	73.01	-748.56	1,800.07	1,737.02	63.05	28.552	
12,600.00	12,410.73	12,612.63	12,434.43	34.23	33.23	-89.71	117.18	-748.79	1,800.07	1,736.81	63.26	28.456	
12,650.00	12,429.58	12,661.82	12,452.28	34.28	33.29	-89.69	162.99	-749.03	1,800.08	1,736.59	63.49	28.353	
12,700.00	12,444.32	12,710.94	12,466.13	34.34	34.48	-89.67	210.10	-749.28	1,800.08	1,736.35	63.73	28.245	
12,746.54	12,454.25	12,756.74	12,475.40	39.52	38.64	-89.65	254.95	-749.51	1,800.08	1,736.16	63.93	28.159	
12,747.73	12,454.46	12,757.93	12,475.60	39.52	38.64	-89.65	256.11	-749.52	1,800.08	1,736.15	63.93	28.157	
12,771.54	12,458.59	12,781.42	12,479.66	39.54	38.66	-89.65	279.25	-749.64	1,800.08	1,736.07	64.01	28.120	
12,800.00	12,463.12	12,808.49	12,483.81	39.57	38.68	-89.64	306.00	-749.79	1,800.09	1,735.96	64.13	28.069	
12,850.00	12,469.03	12,856.04	12,489.25	39.62	38.73	-89.62	353.24	-750.10	1,800.09	1,735.73	64.36	27.967	
12,900.00	12,472.34	12,903.59	12,492.34	39.68	38.78	-89.62	400.68	-750.46	1,800.09	1,735.46	64.64	27.848	
12,938.27	12,473.11	12,943.88	12,493.11	39.73	38.83	-89.62	436.96	-750.76	1,800.09	1,735.20	64.89	27.740	
13,000.00	12,473.10	13,001.61	12,493.10	39.82	38.90	-89.62	498.69	-751.31	1,800.09	1,734.78	65.32	27.560	
13,100.00	12,473.10	13,101.61	12,493.10	39.98	39.04	-89.62	598.68	-752.20	1,800.09	1,733.94	66.15	27.212	
13,200.00	12,473.10	13,201.61	12,493.10	40.17	39.20	-89.62	698.68	-753.09	1,800.09	1,732.95	67.14	26.810	
13,300.00	12,473.10	13,301.61	12,493.10	40.39	39.40	-89.62	798.67	-753.98	1,800.09	1,731.81	68.28	26.364	
13,400.00	12,473.09	13,401.61	12,493.09	40.65	39.63	-89.62	898.67	-754.87	1,800.09	1,730.54	69.56	25.880	
13,500.00	12,473.09	13,501.61	12,493.09	40.96	39.92	-89.62	998.67	-755.76	1,800.09	1,729.12	70.97	25.365	
13,600.00	12,473.09	13,601.61	12,493.09	41.32	40.26	-89.62	1,098.66	-756.65	1,800.09	1,727.59	72.50	24.829	
13,700.00	12,473.09	13,701.61	12,493.09	41.75	40.68	-89.62	1,198.66	-757.53	1,800.09	1,725.94	74.15	24.276	
13,800.00	12,473.08	13,801.61	12,493.08	42.25	41.18	-89.62	1,298.65	-758.42	1,800.09	1,724.18	75.91	23.713	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 - 201H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-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	12,473.08	13,901.61	12,493.08	42.62	41.77	-89.62	1,398.65	-759.31	1,800.09	1,722.32	77.77	23.145	
14,000.00	12,473.08	14,001.61	12,493.08	43.48	42.44	-89.62	1,498.65	-760.20	1,800.09	1,720.36	79.73	22.577	
14,100.00	12,473.08	14,101.61	12,493.08	44.21	43.21	-89.62	1,598.64	-761.09	1,800.09	1,718.31	81.78	22.013	
14,200.00	12,473.07	14,201.61	12,493.07	45.01	44.05	-89.62	1,698.64	-761.98	1,800.09	1,716.19	83.90	21.455	
14,300.00	12,473.07	14,301.61	12,493.07	45.88	44.97	-89.62	1,798.63	-762.87	1,800.09	1,713.98	86.10	20.906	
14,400.00	12,473.07	14,401.61	12,493.07	46.82	45.95	-89.62	1,898.63	-763.76	1,800.09	1,711.71	88.37	20.369	
14,500.00	12,473.07	14,501.61	12,493.07	47.82	46.99	-89.62	1,998.63	-764.64	1,800.09	1,709.38	90.71	19.844	
14,600.00	12,473.06	14,601.61	12,493.06	48.86	48.08	-89.62	2,098.62	-765.53	1,800.09	1,706.98	93.11	19.334	
14,700.00	12,473.06	14,701.61	12,493.06	49.95	49.21	-89.62	2,198.62	-766.42	1,800.09	1,704.53	95.56	18.838	
14,800.00	12,473.06	14,801.61	12,493.06	51.08	50.37	-89.62	2,298.61	-767.31	1,800.09	1,702.03	98.06	18.357	
14,900.00	12,473.06	14,901.61	12,493.06	52.25	51.57	-89.62	2,398.61	-768.20	1,800.09	1,699.48	100.61	17.892	
15,000.00	12,473.06	15,001.61	12,493.06	53.45	52.80	-89.62	2,498.61	-769.09	1,800.08	1,696.88	103.20	17.443	
15,100.00	12,473.05	15,101.61	12,493.05	54.68	54.06	-89.62	2,598.60	-769.98	1,800.08	1,694.25	105.83	17.009	
15,200.00	12,473.05	15,201.61	12,493.05	55.94	55.35	-89.62	2,698.60	-770.87	1,800.08	1,691.58	108.51	16.590	
15,300.00	12,473.05	15,301.61	12,493.05	57.22	56.65	-89.62	2,798.60	-771.75	1,800.08	1,688.87	111.21	16.186	
15,400.00	12,473.05	15,401.61	12,493.05	58.53	57.98	-89.62	2,898.59	-772.64	1,800.08	1,686.13	113.95	15.797	
15,500.00	12,473.04	15,501.61	12,493.04	59.85	59.32	-89.62	2,998.59	-773.53	1,800.08	1,683.37	116.72	15.423	
15,600.00	12,473.04	15,601.61	12,493.04	61.20	60.69	-89.62	3,098.58	-774.42	1,800.08	1,680.57	119.51	15.062	
15,700.00	12,473.04	15,701.61	12,493.04	62.56	62.06	-89.62	3,198.58	-775.31	1,800.08	1,677.75	122.34	14.714	
15,800.00	12,473.04	15,801.61	12,493.04	63.93	63.46	-89.62	3,298.58	-776.20	1,800.08	1,674.90	125.18	14.380	
15,900.00	12,473.03	15,901.61	12,493.03	65.33	64.86	-89.62	3,398.57	-777.09	1,800.08	1,672.03	128.05	14.057	
16,000.00	12,473.03	16,001.61	12,493.03	66.73	66.28	-89.62	3,498.57	-777.98	1,800.08	1,669.14	130.94	13.747	
16,100.00	12,473.03	16,101.61	12,493.03	68.15	67.71	-89.62	3,598.56	-778.86	1,800.08	1,666.23	133.85	13.448	
16,200.00	12,473.03	16,201.61	12,493.03	69.58	69.15	-89.62	3,698.56	-779.75	1,800.08	1,663.30	136.78	13.160	
16,300.00	12,473.02	16,301.61	12,493.02	71.01	70.61	-89.62	3,798.56	-780.64	1,800.08	1,660.35	139.73	12.883	
16,400.00	12,473.02	16,401.61	12,493.02	72.46	72.07	-89.62	3,898.55	-781.53	1,800.08	1,657.39	142.69	12.615	
16,500.00	12,473.02	16,501.61	12,493.02	73.92	73.54	-89.62	3,998.55	-782.42	1,800.08	1,654.41	145.67	12.357	
16,600.00	12,473.02	16,601.61	12,493.02	75.39	75.01	-89.62	4,098.54	-783.31	1,800.08	1,651.41	148.66	12.108	
16,700.00	12,473.01	16,701.61	12,493.01	76.87	76.50	-89.62	4,198.54	-784.20	1,800.08	1,648.41	151.67	11.868	
16,800.00	12,473.01	16,801.61	12,493.01	78.35	77.99	-89.62	4,298.54	-785.09	1,800.08	1,645.39	154.69	11.637	
16,900.00	12,473.01	16,901.61	12,493.01	79.84	79.49	-89.62	4,398.53	-785.97	1,800.08	1,642.36	157.72	11.413	
17,000.00	12,473.01	17,001.61	12,493.01	81.34	81.00	-89.62	4,498.53	-786.86	1,800.08	1,639.31	160.76	11.197	
17,100.00	12,473.00	17,101.61	12,493.00	82.84	82.51	-89.62	4,598.52	-787.75	1,800.08	1,636.26	163.81	10.988	
17,200.00	12,473.00	17,201.61	12,493.00	84.35	84.03	-89.62	4,698.52	-788.64	1,800.08	1,633.20	166.88	10.787	
17,236.48	12,473.00	17,238.10	12,493.00	84.91	84.59	-89.62	4,735.00	-788.96	1,800.08	1,632.08	168.00	10.715	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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	89.05	20.00	2,028.00	60.01				
100.00	100.00	100.00	100.00	0.13	0.13	89.05	20.00	2,028.00	60.01	59.75	0.25	235.775	
200.00	200.00	200.00	200.00	0.49	0.49	89.05	20.00	2,028.00	60.01	59.04	0.97	61.771	
300.00	300.00	300.00	300.00	0.84	0.84	89.05	20.00	2,028.00	60.01	58.32	1.69	35.542	
400.00	400.00	400.00	400.00	1.20	1.20	89.05	20.00	2,028.00	60.01	57.60	2.41	24.948	
500.00	500.00	500.00	500.00	1.56	1.56	89.05	20.00	2,028.00	60.01	56.89	3.12	19.219	
600.00	600.00	600.00	600.00	1.92	1.92	89.05	20.00	2,028.00	60.01	56.17	3.84	15.630	CC, ES
700.00	699.99	700.01	699.99	2.27	2.28	-167.12	20.00	2,028.00	61.28	56.74	4.55	13.481	
800.00	799.91	800.09	799.91	2.61	2.64	-167.83	20.00	2,028.00	65.12	59.87	5.25	12.409	
900.00	899.69	900.31	899.69	2.96	3.00	-168.96	20.00	2,028.00	71.52	65.57	5.95	12.011	
1,000.00	999.27	1,000.73	999.27	3.32	3.36	-170.18	20.00	2,028.00	80.52	73.86	6.67	12.079	
1,066.67	1,065.51	1,065.51	1,065.51	3.57	3.59	-171.00	20.00	2,028.00	87.97	80.84	7.14	12.329	
1,100.00	1,098.59	1,101.41	1,098.59	3.69	3.72	-171.40	20.00	2,028.00	91.99	84.60	7.38	12.460	
1,200.00	1,197.85	1,197.85	1,197.85	4.07	4.06	-172.40	20.00	2,028.00	104.05	95.97	8.08	12.877	
1,300.00	1,297.10	1,294.44	1,294.43	4.46	4.40	-172.95	19.69	2,029.12	117.25	108.48	8.77	13.372	
1,400.00	1,396.36	1,390.34	1,390.26	4.84	4.72	-172.98	18.73	2,032.57	132.76	123.31	9.44	14.060	
1,500.00	1,495.61	1,485.48	1,485.22	5.24	5.05	-172.84	17.14	2,038.27	150.54	140.43	10.11	14.890	
1,600.00	1,594.86	1,579.77	1,579.14	5.63	5.38	-172.07	14.93	2,046.17	170.58	159.81	10.77	15.836	
1,700.00	1,694.12	1,673.40	1,672.19	6.03	5.72	-171.36	12.13	2,056.22	192.87	181.44	11.43	16.877	
1,800.00	1,793.37	1,770.62	1,768.69	6.42	6.07	-170.68	8.95	2,067.63	216.14	204.02	12.12	17.831	
1,900.00	1,892.63	1,867.85	1,865.19	6.82	6.43	-170.13	5.77	2,079.04	239.44	226.62	12.82	18.676	
2,000.00	1,991.88	1,965.07	1,961.69	7.22	6.79	-169.68	2.59	2,090.46	262.76	249.24	13.52	19.432	
2,100.00	2,091.14	2,062.30	2,058.19	7.63	7.16	-169.30	-0.59	2,101.87	286.09	271.87	14.23	20.111	
2,200.00	2,190.39	2,159.52	2,154.69	8.03	7.53	-168.98	-3.78	2,113.28	309.43	294.50	14.93	20.723	
2,300.00	2,289.65	2,256.75	2,251.19	8.43	7.90	-168.71	-6.96	2,124.70	332.78	317.14	15.64	21.278	
2,400.00	2,388.90	2,353.97	2,347.69	8.83	8.28	-168.47	-10.14	2,136.11	356.13	339.79	16.35	21.783	
2,500.00	2,488.16	2,451.20	2,444.19	9.24	8.65	-168.25	-13.32	2,147.52	379.49	362.43	17.06	22.245	
2,600.00	2,587.41	2,548.42	2,540.69	9.64	9.03	-168.07	-16.50	2,158.94	402.86	385.09	17.77	22.668	
2,700.00	2,686.67	2,645.64	2,637.19	10.05	9.41	-167.90	-19.69	2,170.35	426.23	407.74	18.48	23.058	
2,800.00	2,785.92	2,742.87	2,733.69	10.45	9.79	-167.75	-22.87	2,181.76	449.60	430.40	19.20	23.418	
2,900.00	2,885.17	2,840.09	2,830.19	10.86	10.18	-167.62	-26.05	2,193.18	472.97	453.05	19.91	23.750	
3,000.00	2,984.43	2,937.32	2,926.69	11.26	10.56	-167.50	-29.23	2,204.59	496.34	475.71	20.63	24.059	
3,100.00	3,083.68	3,034.54	3,023.19	11.67	10.95	-167.39	-32.41	2,216.00	519.72	498.37	21.35	24.347	
3,200.00	3,182.94	3,131.77	3,119.69	12.08	11.33	-167.29	-35.60	2,227.42	543.10	521.04	22.06	24.615	
3,300.00	3,282.19	3,228.99	3,216.19	12.48	11.72	-167.20	-38.78	2,238.83	566.48	543.70	22.78	24.866	
3,400.00	3,381.45	3,326.22	3,312.69	12.89	12.11	-167.11	-41.96	2,250.24	589.86	566.36	23.50	25.101	
3,500.00	3,480.70	3,423.44	3,409.19	13.30	12.50	-167.03	-45.14	2,261.66	613.24	589.03	24.22	25.321	
3,600.00	3,579.96	3,520.67	3,505.69	13.70	12.88	-166.96	-48.32	2,273.07	636.63	611.69	24.94	25.529	
3,700.00	3,679.21	3,617.89	3,602.19	14.11	13.27	-166.89	-51.50	2,284.49	660.01	634.36	25.66	25.724	
3,800.00	3,778.47	3,715.11	3,698.69	14.52	13.66	-166.83	-54.69	2,295.90	683.40	657.02	26.38	25.909	
3,900.00	3,877.72	3,812.34	3,795.19	14.93	14.05	-166.77	-57.87	2,307.31	706.78	679.69	27.10	26.083	
4,000.00	3,976.98	3,909.56	3,891.69	15.33	14.44	-166.72	-61.05	2,318.73	730.17	702.35	27.82	26.248	
4,100.00	4,076.23	4,006.79	3,988.19	15.74	14.83	-166.66	-64.23	2,330.14	753.56	725.02	28.54	26.404	
4,200.00	4,175.48	4,104.01	4,084.68	16.15	15.23	-166.61	-67.41	2,341.55	776.95	747.68	29.26	26.552	
4,300.00	4,274.74	4,201.24	4,181.18	16.56	15.62	-166.57	-70.60	2,352.97	800.33	770.35	29.98	26.693	
4,400.00	4,373.99	4,301.54	4,277.68	16.97	16.02	-166.53	-73.78	2,364.38	823.72	793.01	30.72	26.818	
4,500.00	4,473.25	4,395.69	4,374.18	17.37	16.40	-166.49	-76.96	2,375.79	847.11	815.69	31.43	26.955	
4,600.00	4,572.50	4,507.09	4,470.68	17.78	16.85	-166.45	-80.14	2,387.21	870.50	838.30	32.20	27.033	
4,700.00	4,671.76	4,609.87	4,567.18	18.19	17.27	-166.41	-83.32	2,398.62	893.89	860.95	32.94	27.133	
4,800.00	4,771.01	4,687.36	4,663.68	18.60	17.58	-166.38	-86.51	2,410.03	917.28	883.69	33.59	27.305	
4,900.00	4,870.27	4,784.58	4,760.18	19.01	17.97	-166.34	-89.69	2,421.45	940.67	906.36	34.32	27.411	
5,000.00	4,969.52	4,881.81	4,856.68	19.42	18.37	-166.31	-92.87	2,432.86	964.06	929.02	35.04	27.513	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
5,100.00	5,068.78	4,979.03	4,953.18	19.82	18.76	-166.28	-98.05	2,444.27	987.45	951.69	35.76	27.610	
5,200.00	5,168.03	5,076.26	5,049.68	20.23	19.15	-166.25	-99.23	2,455.69	1,010.85	974.36	36.49	27.704	
5,300.00	5,267.29	5,173.48	5,146.18	20.64	19.55	-166.23	-102.42	2,467.10	1,034.24	997.03	37.21	27.793	
5,400.00	5,366.54	5,270.71	5,242.68	21.05	19.94	-166.20	-105.60	2,478.51	1,057.63	1,019.69	37.94	27.880	
5,500.00	5,465.79	5,367.93	5,339.18	21.29	20.33	-166.17	-108.78	2,489.93	1,081.02	1,042.53	38.49	28.085	
5,600.00	5,565.05	5,465.16	5,435.68	21.36	20.62	-166.15	-111.96	2,501.34	1,104.41	1,065.67	38.75	28.503	
5,700.00	5,664.30	5,562.38	5,532.18	21.45	20.74	-166.13	-115.14	2,512.75	1,127.81	1,088.96	38.84	29.035	
5,800.00	5,763.56	5,659.60	5,628.68	21.54	20.81	-166.11	-118.33	2,524.17	1,151.20	1,112.31	38.89	29.603	
5,900.00	5,862.81	5,756.83	5,725.18	21.63	20.89	-166.08	-121.51	2,535.58	1,174.59	1,135.65	38.95	30.159	
6,000.00	5,962.07	5,854.05	5,821.68	21.74	20.98	-166.06	-124.69	2,546.99	1,197.98	1,158.97	39.02	30.703	
6,100.00	6,061.32	5,951.28	5,918.18	21.85	21.07	-166.05	-127.87	2,558.41	1,221.38	1,182.27	39.10	31.234	
6,200.00	6,160.58	6,048.50	6,014.68	21.97	21.17	-166.03	-131.05	2,569.82	1,244.77	1,205.57	39.20	31.753	
6,300.00	6,259.83	6,145.73	6,111.18	22.10	21.28	-166.01	-134.24	2,581.23	1,268.16	1,228.85	39.31	32.257	
6,400.00	6,359.09	6,242.95	6,207.68	22.23	21.39	-165.99	-137.42	2,592.65	1,291.56	1,252.12	39.44	32.748	
6,500.00	6,458.34	6,340.18	6,304.18	22.37	21.51	-165.97	-140.60	2,604.06	1,314.95	1,275.37	39.58	33.225	
6,600.00	6,557.60	6,437.40	6,400.68	22.52	21.64	-165.96	-143.78	2,615.48	1,338.34	1,298.62	39.73	33.687	
6,700.00	6,656.85	6,534.63	6,497.18	22.67	21.77	-165.94	-146.96	2,626.89	1,361.74	1,321.85	39.89	34.135	
6,800.00	6,756.10	6,631.85	6,593.68	22.83	21.91	-165.93	-150.14	2,638.30	1,385.13	1,345.06	40.07	34.569	
6,900.00	6,855.36	6,729.07	6,690.18	22.99	22.06	-165.91	-153.33	2,649.72	1,408.53	1,368.27	40.26	34.987	
7,000.00	6,954.61	6,826.30	6,786.68	23.17	22.21	-165.90	-156.51	2,661.13	1,431.92	1,391.46	40.46	35.392	
7,100.00	7,053.87	6,923.52	6,883.18	23.34	22.37	-165.89	-159.69	2,672.54	1,455.31	1,414.64	40.67	35.781	
7,200.00	7,153.12	7,020.75	6,979.68	23.53	22.54	-165.87	-162.87	2,683.96	1,478.71	1,437.81	40.90	36.156	
7,300.00	7,252.38	7,117.97	7,076.18	23.72	22.71	-165.86	-166.05	2,695.37	1,502.10	1,460.97	41.13	36.516	
7,400.00	7,351.63	7,215.20	7,172.68	23.91	22.88	-165.85	-169.24	2,706.78	1,525.50	1,484.11	41.38	36.862	
7,500.00	7,450.89	7,312.42	7,269.18	24.11	23.06	-165.83	-172.42	2,718.20	1,548.89	1,507.25	41.64	37.194	
7,600.00	7,550.14	7,409.65	7,365.68	24.31	23.25	-165.82	-175.60	2,729.61	1,572.28	1,530.37	41.91	37.512	
7,700.00	7,649.40	7,506.87	7,462.18	24.52	23.44	-165.81	-178.78	2,741.02	1,595.68	1,553.48	42.20	37.816	
7,800.00	7,748.65	7,604.10	7,558.68	24.74	23.64	-165.80	-181.96	2,752.44	1,619.07	1,576.58	42.49	38.106	
7,900.00	7,847.91	7,701.32	7,655.18	24.96	23.84	-165.79	-185.15	2,763.85	1,642.47	1,599.68	42.79	38.382	
8,000.00	7,947.16	7,801.46	7,751.68	25.18	24.05	-165.78	-188.33	2,775.26	1,665.86	1,622.75	43.11	38.642	
8,100.00	8,046.41	7,904.23	7,848.18	25.41	24.28	-165.77	-191.51	2,786.68	1,689.26	1,645.81	43.44	38.884	
8,200.00	8,145.67	8,007.01	7,944.68	25.65	24.51	-165.76	-194.69	2,798.09	1,712.65	1,668.87	43.79	39.114	
8,300.00	8,244.92	8,109.78	8,041.18	25.89	24.74	-165.75	-197.87	2,809.50	1,736.05	1,691.91	44.14	39.331	
8,341.02	8,285.64	8,130.10	8,080.77	25.98	24.79	-165.75	-199.18	2,814.19	1,745.64	1,701.39	44.25	39.450	
8,400.00	8,344.23	8,187.54	8,137.78	26.12	24.92	-165.79	-201.06	2,820.93	1,759.01	1,714.55	44.46	39.566	
8,500.00	8,443.79	8,332.77	8,282.09	26.35	25.26	-165.83	-205.42	2,836.58	1,778.93	1,733.95	44.98	39.550	
8,600.00	8,543.56	8,513.07	8,461.92	26.55	25.63	-165.86	-208.85	2,848.88	1,792.27	1,746.69	45.58	39.323	
8,700.00	8,643.47	8,695.45	8,644.23	26.74	25.94	-165.90	-210.00	2,853.00	1,798.53	1,752.41	46.12	38.996	
8,807.69	8,751.15	8,802.37	8,751.15	26.92	26.10	89.97	-210.00	2,853.00	1,800.00	1,753.51	46.49	38.716	
8,900.00	8,843.46	8,905.32	8,843.46	27.06	26.26	89.97	-210.00	2,853.00	1,800.00	1,753.17	46.83	38.436	
9,000.00	8,943.46	9,005.32	8,943.46	27.21	26.43	89.97	-210.00	2,853.00	1,800.00	1,752.81	47.19	38.146	
9,100.00	9,043.46	9,105.32	9,043.46	27.37	26.59	89.97	-210.00	2,853.00	1,800.00	1,752.45	47.55	37.855	
9,200.00	9,143.46	9,205.32	9,143.46	27.54	26.76	89.97	-210.00	2,853.00	1,800.00	1,752.08	47.92	37.561	
9,300.00	9,243.46	9,305.32	9,243.46	27.70	26.93	89.97	-210.00	2,853.00	1,800.00	1,751.70	48.30	37.267	
9,400.00	9,343.46	9,405.32	9,343.46	27.88	27.11	89.97	-210.00	2,853.00	1,800.00	1,751.31	48.69	36.971	
9,500.00	9,443.46	9,505.32	9,443.46	28.05	27.29	89.97	-210.00	2,853.00	1,800.00	1,750.92	49.08	36.674	
9,600.00	9,543.46	9,605.32	9,543.46	28.23	27.47	89.97	-210.00	2,853.00	1,800.00	1,750.52	49.48	36.376	
9,700.00	9,643.46	9,705.32	9,643.46	28.41	27.66	89.97	-210.00	2,853.00	1,800.00	1,750.11	49.89	36.078	
9,800.00	9,743.46	9,805.32	9,743.46	28.59	27.85	89.97	-210.00	2,853.00	1,800.00	1,749.69	50.31	35.780	
9,900.00	9,843.46	9,905.32	9,843.46	28.78	28.04	89.97	-210.00	2,853.00	1,800.00	1,749.27	50.73	35.483	
10,000.00	9,943.46	10,005.32	9,943.46	28.97	28.24	89.97	-210.00	2,853.00	1,800.00	1,748.84	51.16	35.185	
10,100.00	10,043.46	10,105.32	10,043.46	29.17	28.44	89.97	-210.00	2,853.00	1,800.00	1,748.41	51.59	34.889	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	10,143.46	10,205.32	10,143.46	29.36	28.64	89.97	-210.00	2,853.00	1,800.00	1,747.97	52.03	34.593	
10,300.00	10,243.46	10,305.32	10,243.46	29.56	28.85	89.97	-210.00	2,853.00	1,800.00	1,747.52	52.48	34.298	
10,400.00	10,343.46	10,405.32	10,343.46	29.77	29.05	89.97	-210.00	2,853.00	1,800.00	1,747.07	52.93	34.004	
10,500.00	10,443.46	10,505.32	10,443.46	29.97	29.27	89.97	-210.00	2,853.00	1,800.00	1,746.61	53.39	33.712	
10,600.00	10,543.46	10,605.32	10,543.46	30.18	29.48	89.97	-210.00	2,853.00	1,800.00	1,746.14	53.86	33.421	
10,700.00	10,643.46	10,705.32	10,643.46	30.39	29.70	89.97	-210.00	2,853.00	1,800.00	1,745.67	54.33	33.132	
10,800.00	10,743.46	10,805.32	10,743.46	30.61	29.92	89.97	-210.00	2,853.00	1,800.00	1,745.20	54.80	32.844	
10,900.00	10,843.46	10,905.32	10,843.46	30.83	30.14	89.97	-210.00	2,853.00	1,800.00	1,744.72	55.29	32.558	
11,000.00	10,943.46	11,005.32	10,943.46	31.05	30.37	89.97	-210.00	2,853.00	1,800.00	1,744.23	55.77	32.275	
11,100.00	11,043.46	11,105.32	11,043.46	31.27	30.59	89.97	-210.00	2,853.00	1,800.00	1,743.74	56.26	31.993	
11,200.00	11,143.46	11,205.32	11,143.46	31.49	30.82	89.97	-210.00	2,853.00	1,800.00	1,743.24	56.76	31.714	
11,300.00	11,243.46	11,305.32	11,243.46	31.72	31.06	89.97	-210.00	2,853.00	1,800.00	1,742.74	57.26	31.437	
11,400.00	11,343.46	11,405.32	11,343.46	31.95	31.29	89.97	-210.00	2,853.00	1,800.00	1,742.24	57.76	31.162	
11,500.00	11,443.46	11,505.32	11,443.46	32.18	31.53	89.97	-210.00	2,853.00	1,800.00	1,741.73	58.27	30.890	
11,600.00	11,543.46	11,605.32	11,543.46	32.42	31.77	89.97	-210.00	2,853.00	1,800.00	1,741.21	58.79	30.620	
11,700.00	11,643.46	11,705.32	11,643.46	32.65	32.01	89.97	-210.00	2,853.00	1,800.00	1,740.70	59.30	30.352	
11,800.00	11,743.46	11,805.32	11,743.46	32.89	32.26	89.97	-210.00	2,853.00	1,800.00	1,740.18	59.83	30.088	
11,900.00	11,843.46	11,894.68	11,843.46	33.13	32.48	89.97	-210.00	2,853.00	1,800.00	1,739.68	60.32	29.839	
11,946.54	11,890.00	11,941.24	11,890.02	33.25	32.59	89.97	-210.00	2,853.00	1,800.00	1,739.43	60.57	29.718	
11,950.00	11,893.46	11,944.75	11,893.52	33.26	32.60	90.27	-209.98	2,853.00	1,800.00	1,739.41	60.59	29.709	
12,000.00	11,943.38	11,995.49	11,944.18	33.37	32.72	90.26	-207.34	2,852.99	1,800.00	1,739.15	60.85	29.583	
12,050.00	11,992.90	12,046.21	11,994.39	33.49	32.84	90.26	-200.22	2,852.95	1,800.00	1,738.91	61.09	29.466	
12,100.00	12,041.63	12,096.92	12,043.75	33.59	32.94	90.25	-188.71	2,852.89	1,800.00	1,738.68	61.32	29.356	
12,150.00	12,089.21	12,147.60	12,091.88	33.69	33.04	90.24	-172.88	2,852.81	1,800.00	1,738.47	61.53	29.255	
12,200.00	12,135.27	12,198.25	12,138.39	33.77	33.13	90.23	-152.88	2,852.70	1,799.99	1,738.27	61.73	29.161	
12,250.00	12,179.47	12,248.86	12,182.93	33.85	33.21	90.21	-128.86	2,852.58	1,799.99	1,738.08	61.91	29.073	
12,300.00	12,221.46	12,299.43	12,225.14	33.92	33.28	90.20	-101.04	2,852.43	1,799.99	1,737.90	62.09	28.988	
12,350.00	12,260.93	12,349.96	12,264.70	33.98	33.34	90.18	-69.63	2,852.27	1,799.99	1,737.72	62.27	28.907	
12,400.00	12,297.58	12,400.44	12,301.30	34.04	33.40	90.16	-34.90	2,852.08	1,799.99	1,737.54	62.44	28.826	
12,450.00	12,331.13	12,450.86	12,334.67	34.09	33.44	90.15	2.88	2,851.89	1,799.99	1,737.36	62.62	28.744	
12,500.00	12,361.31	12,501.23	12,364.57	34.14	33.49	90.12	43.40	2,851.67	1,799.98	1,737.18	62.81	28.659	
12,550.00	12,387.92	12,551.54	12,390.76	34.18	33.53	90.10	86.33	2,851.45	1,799.98	1,736.98	63.00	28.569	
12,600.00	12,410.73	12,601.79	12,413.06	34.23	33.57	90.08	131.34	2,851.21	1,799.98	1,736.77	63.22	28.473	
12,650.00	12,429.58	12,651.98	12,431.31	34.28	33.62	90.06	178.08	2,850.97	1,799.98	1,736.54	63.45	28.370	
12,700.00	12,444.32	12,702.10	12,445.39	34.34	33.94	90.04	226.16	2,850.72	1,799.98	1,736.29	63.69	28.260	
12,746.54	12,454.25	12,748.69	12,454.72	39.52	38.96	90.02	271.80	2,850.48	1,799.98	1,736.10	63.89	28.175	
12,771.54	12,458.59	12,773.04	12,459.09	39.54	38.99	90.01	296.77	2,850.35	1,799.98	1,736.01	63.97	28.136	
12,800.00	12,463.12	12,803.68	12,463.51	39.57	39.01	90.01	326.07	2,850.18	1,799.97	1,735.88	64.09	28.085	
12,850.00	12,469.03	12,855.72	12,469.07	39.62	39.07	90.00	377.81	2,849.83	1,799.96	1,735.64	64.33	27.982	
12,900.00	12,472.34	12,907.72	12,471.80	39.68	39.12	89.98	429.73	2,849.43	1,799.95	1,735.34	64.61	27.859	
12,937.02	12,473.10	12,945.66	12,472.11	39.73	39.17	89.97	467.67	2,849.10	1,799.94	1,735.09	64.85	27.757	
12,938.27	12,473.11	12,946.90	12,472.11	39.73	39.17	89.97	468.91	2,849.09	1,799.94	1,735.09	64.85	27.753	
13,000.00	12,473.10	13,008.64	12,472.10	39.82	39.24	89.97	530.64	2,848.54	1,799.94	1,734.65	65.29	27.567	
13,100.00	12,473.10	13,108.64	12,472.10	39.98	39.39	89.97	630.64	2,847.65	1,799.94	1,733.81	66.13	27.218	
13,200.00	12,473.10	13,208.64	12,472.10	40.17	39.56	89.97	730.63	2,846.77	1,799.95	1,732.83	67.12	26.818	
13,300.00	12,473.10	13,308.64	12,472.10	40.39	39.77	89.97	830.63	2,845.88	1,799.95	1,731.69	68.26	26.368	
13,400.00	12,473.09	13,408.64	12,472.09	40.65	40.01	89.97	930.63	2,844.99	1,799.95	1,730.41	69.54	25.884	
13,500.00	12,473.09	13,508.64	12,472.09	40.96	40.31	89.97	1,030.62	2,844.11	1,799.96	1,729.00	70.95	25.369	
13,600.00	12,473.09	13,608.64	12,472.09	41.32	40.66	89.97	1,130.62	2,843.22	1,799.96	1,727.47	72.49	24.832	
13,700.00	12,473.09	13,708.64	12,472.09	41.75	41.08	89.97	1,230.61	2,842.33	1,799.96	1,725.82	74.14	24.278	
13,800.00	12,473.08	13,808.64	12,472.08	42.25	41.58	89.97	1,330.61	2,841.45	1,799.96	1,724.06	75.90	23.715	
13,900.00	12,473.08	13,908.64	12,472.08	42.82	42.16	89.97	1,430.61	2,840.56	1,799.97	1,722.20	77.76	23.147	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
14,000.00	12,473.08	14,008.64	12,472.08	43.48	42.83	89.97	1,530.60	2,839.68	1,799.97	1,720.25	79.72	22.578	
14,100.00	12,473.08	14,108.64	12,472.08	44.21	43.58	89.97	1,630.60	2,838.79	1,799.97	1,718.20	81.77	22.013	
14,200.00	12,473.07	14,208.64	12,472.07	45.01	44.41	89.97	1,730.59	2,837.90	1,799.97	1,716.08	83.89	21.455	
14,300.00	12,473.07	14,308.64	12,472.07	45.88	45.31	89.97	1,830.59	2,837.02	1,799.98	1,713.88	86.10	20.906	
14,400.00	12,473.07	14,408.64	12,472.07	46.82	46.27	89.97	1,930.59	2,836.13	1,799.98	1,711.61	88.37	20.369	
14,500.00	12,473.07	14,508.64	12,472.07	47.82	47.29	89.97	2,030.58	2,835.24	1,799.98	1,709.27	90.71	19.844	
14,600.00	12,473.06	14,608.64	12,472.06	48.86	48.37	89.97	2,130.58	2,834.36	1,799.98	1,706.88	93.10	19.333	
14,700.00	12,473.06	14,708.64	12,472.06	49.95	49.48	89.97	2,230.57	2,833.47	1,799.99	1,704.43	95.55	18.837	
14,800.00	12,473.06	14,808.64	12,472.06	51.08	50.64	89.97	2,330.57	2,832.58	1,799.99	1,701.93	98.06	18.356	
14,900.00	12,473.06	14,908.64	12,472.06	52.25	51.83	89.97	2,430.57	2,831.70	1,799.99	1,699.38	100.61	17.891	
15,000.00	12,473.06	15,008.64	12,472.05	53.45	53.05	89.97	2,530.56	2,830.81	1,799.99	1,696.80	103.20	17.442	
15,100.00	12,473.05	15,108.64	12,472.05	54.68	54.30	89.97	2,630.56	2,829.92	1,800.00	1,694.16	105.83	17.008	
15,200.00	12,473.05	15,208.64	12,472.05	55.94	55.57	89.97	2,730.55	2,829.04	1,800.00	1,691.49	108.51	16.589	
15,300.00	12,473.05	15,308.64	12,472.05	57.22	56.87	89.97	2,830.55	2,828.15	1,800.00	1,688.79	111.21	16.185	
15,400.00	12,473.05	15,408.64	12,472.05	58.53	58.19	89.97	2,930.55	2,827.26	1,800.01	1,686.05	113.95	15.796	
15,500.00	12,473.04	15,508.64	12,472.04	59.85	59.53	89.97	3,030.54	2,826.38	1,800.01	1,683.29	116.72	15.421	
15,600.00	12,473.04	15,608.64	12,472.04	61.20	60.88	89.97	3,130.54	2,825.49	1,800.01	1,680.49	119.52	15.061	
15,700.00	12,473.04	15,708.64	12,472.04	62.56	62.26	89.97	3,230.54	2,824.60	1,800.01	1,677.67	122.34	14.713	
15,800.00	12,473.04	15,808.64	12,472.04	63.93	63.64	89.97	3,330.53	2,823.72	1,800.02	1,674.83	125.19	14.378	
15,900.00	12,473.03	15,908.64	12,472.03	65.33	65.04	89.97	3,430.53	2,822.83	1,800.02	1,671.96	128.06	14.056	
16,000.00	12,473.03	16,008.64	12,472.03	66.73	66.46	89.97	3,530.52	2,821.94	1,800.02	1,669.07	130.95	13.746	
16,100.00	12,473.03	16,108.64	12,472.03	68.15	67.89	89.97	3,630.52	2,821.06	1,800.02	1,666.16	133.86	13.447	
16,200.00	12,473.03	16,208.64	12,472.03	69.58	69.32	89.97	3,730.52	2,820.17	1,800.03	1,663.24	136.79	13.159	
16,300.00	12,473.02	16,308.64	12,472.02	71.01	70.77	89.97	3,830.51	2,819.28	1,800.03	1,660.29	139.74	12.881	
16,400.00	12,473.02	16,408.64	12,472.02	72.46	72.23	89.97	3,930.51	2,818.40	1,800.03	1,657.33	142.70	12.614	
16,500.00	12,473.02	16,508.64	12,472.02	73.92	73.69	89.97	4,030.50	2,817.51	1,800.03	1,654.35	145.68	12.356	
16,600.00	12,473.02	16,608.64	12,472.02	75.39	75.17	89.97	4,130.50	2,816.63	1,800.04	1,651.36	148.67	12.107	
16,700.00	12,473.01	16,708.64	12,472.01	76.87	76.65	89.97	4,230.50	2,815.74	1,800.04	1,648.36	151.68	11.867	
16,800.00	12,473.01	16,808.64	12,472.01	78.35	78.14	89.97	4,330.49	2,814.85	1,800.04	1,645.34	154.70	11.636	
16,900.00	12,473.01	16,908.64	12,472.01	79.84	79.64	89.97	4,430.49	2,813.97	1,800.04	1,642.32	157.73	11.412	
17,000.00	12,473.01	17,008.64	12,472.01	81.34	81.14	89.97	4,530.48	2,813.08	1,800.05	1,639.28	160.77	11.196	
17,100.00	12,473.00	17,108.64	12,472.00	82.84	82.65	89.97	4,630.48	2,812.19	1,800.05	1,636.22	163.83	10.988	
17,200.00	12,473.00	17,208.64	12,472.00	84.35	84.17	89.97	4,730.48	2,811.31	1,800.05	1,633.16	166.89	10.786	
17,236.48	12,473.00	17,245.12	12,472.00	84.91	84.72	89.97	4,766.96	2,810.98	1,800.05	1,632.04	168.01	10.714 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 — **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	86.44	118.00	3,558.00	1,593.28				
100.00	100.00	75.00	75.00	0.13	0.10	86.44	118.00	3,558.00	1,593.08	1,592.86	0.22	7,153.452	
200.00	200.00	175.00	175.00	0.49	0.40	86.44	118.00	3,558.00	1,593.08	1,592.20	0.88	1,806.539	
300.00	300.00	275.00	275.00	0.84	0.75	86.44	118.00	3,558.00	1,593.08	1,591.48	1.60	995.432	
400.00	400.00	375.00	375.00	1.20	1.11	86.44	118.00	3,558.00	1,593.08	1,590.76	2.32	687.939	
500.00	500.00	475.00	475.00	1.56	1.47	86.44	118.00	3,558.00	1,593.08	1,590.05	3.03	525.306	
600.00	600.00	575.00	575.00	1.92	1.83	86.44	118.00	3,558.00	1,593.08	1,589.33	3.75	424.865	CC, ES
700.00	699.99	674.99	674.99	2.27	2.19	-169.46	118.00	3,558.00	1,594.37	1,589.91	4.46	357.792	
800.00	799.91	774.91	774.91	2.61	2.55	-169.47	118.00	3,558.00	1,598.23	1,593.07	5.16	309.888	
900.00	899.69	874.69	874.69	2.96	2.90	-169.50	118.00	3,558.00	1,604.68	1,598.79	5.86	273.689	
1,000.00	999.27	974.27	974.27	3.32	3.26	-169.53	118.00	3,558.00	1,613.65	1,607.08	6.57	245.549	
1,066.67	1,065.51	1,040.51	1,040.51	3.57	3.50	-169.56	118.00	3,558.00	1,621.08	1,614.03	7.05	230.073	
1,100.00	1,098.59	1,073.59	1,073.59	3.69	3.62	-169.59	118.00	3,558.00	1,625.07	1,617.79	7.28	223.130	
1,200.00	1,197.85	1,172.85	1,172.85	4.07	3.97	-169.66	118.00	3,558.00	1,637.08	1,629.07	7.99	204.839	
1,300.00	1,297.10	1,272.10	1,272.10	4.46	4.33	-169.74	118.00	3,558.00	1,649.06	1,640.35	8.70	189.474	
1,400.00	1,396.36	1,371.36	1,371.36	4.84	4.68	-169.81	118.00	3,558.00	1,661.05	1,651.64	9.42	176.395	
1,500.00	1,495.61	1,470.61	1,470.61	5.24	5.04	-169.89	118.00	3,558.00	1,673.05	1,662.92	10.13	165.134	
1,600.00	1,594.86	1,569.86	1,569.86	5.63	5.40	-169.96	118.00	3,558.00	1,685.06	1,674.21	10.85	155.340	
1,700.00	1,694.12	1,669.12	1,669.12	6.03	5.75	-170.03	118.00	3,558.00	1,697.06	1,685.50	11.56	146.747	
1,800.00	1,793.37	1,768.37	1,768.37	6.42	6.11	-170.10	118.00	3,558.00	1,709.07	1,696.78	12.28	139.149	
1,900.00	1,892.63	1,867.63	1,867.63	6.82	6.46	-170.17	118.00	3,558.00	1,721.08	1,708.08	13.00	132.383	
2,000.00	1,991.88	1,966.88	1,966.88	7.22	6.82	-170.24	118.00	3,558.00	1,733.09	1,719.37	13.72	126.321	
2,100.00	2,091.14	2,066.14	2,066.14	7.63	7.18	-170.31	118.00	3,558.00	1,745.10	1,730.66	14.44	120.859	
2,200.00	2,190.39	2,165.39	2,165.39	8.03	7.53	-170.38	118.00	3,558.00	1,757.12	1,741.96	15.16	115.912	
2,300.00	2,289.65	2,264.65	2,264.65	8.43	7.89	-170.44	118.00	3,558.00	1,769.14	1,753.26	15.88	111.412	
2,400.00	2,388.90	2,363.90	2,363.90	8.83	8.24	-170.51	118.00	3,558.00	1,781.16	1,764.56	16.60	107.300	
2,500.00	2,488.16	2,463.16	2,463.16	9.24	8.60	-170.57	118.00	3,558.00	1,793.18	1,775.86	17.32	103.530	
2,600.00	2,587.41	2,562.41	2,562.41	9.64	8.95	-170.64	118.00	3,558.00	1,805.21	1,787.17	18.04	100.059	
2,700.00	2,686.67	2,661.67	2,661.67	10.05	9.31	-170.70	118.00	3,558.00	1,817.24	1,798.47	18.76	96.854	
2,800.00	2,785.92	2,760.92	2,760.92	10.45	9.67	-170.76	118.00	3,558.00	1,829.27	1,809.78	19.48	93.886	
2,900.00	2,885.17	2,860.17	2,860.17	10.86	10.02	-170.82	118.00	3,558.00	1,841.30	1,821.09	20.21	91.130	
3,000.00	2,984.43	2,959.43	2,959.43	11.26	10.38	-170.88	118.00	3,558.00	1,853.33	1,832.41	20.93	88.562	
3,100.00	3,083.68	3,058.68	3,058.68	11.67	10.73	-170.94	118.00	3,558.00	1,865.37	1,843.72	21.65	86.166	
3,200.00	3,182.94	3,157.94	3,157.94	12.08	11.09	-171.00	118.00	3,558.00	1,877.41	1,855.04	22.37	83.924	
3,300.00	3,282.19	3,257.19	3,257.19	12.48	11.44	-171.06	118.00	3,558.00	1,889.45	1,866.36	23.09	81.822	
3,400.00	3,381.45	3,356.45	3,356.45	12.89	11.80	-171.11	118.00	3,558.00	1,901.49	1,877.68	23.81	79.847	
3,500.00	3,480.70	3,455.70	3,455.70	13.30	12.16	-171.17	118.00	3,558.00	1,913.53	1,889.00	24.54	77.988	
3,600.00	3,579.96	3,554.96	3,554.96	13.70	12.51	-171.23	118.00	3,558.00	1,925.58	1,900.32	25.26	76.235	
3,700.00	3,679.21	3,654.21	3,654.21	14.11	12.87	-171.28	118.00	3,558.00	1,937.63	1,911.65	25.98	74.580	
3,800.00	3,778.47	3,753.47	3,753.47	14.52	13.22	-171.33	118.00	3,558.00	1,949.68	1,922.97	26.70	73.014	
3,900.00	3,877.72	3,852.72	3,852.72	14.93	13.58	-171.39	118.00	3,558.00	1,961.73	1,934.30	27.43	71.530	
4,000.00	3,976.98	3,951.98	3,951.98	15.33	13.94	-171.44	118.00	3,558.00	1,973.78	1,945.63	28.15	70.123	
4,100.00	4,076.23	4,051.23	4,051.23	15.74	14.29	-171.49	118.00	3,558.00	1,985.83	1,956.96	28.87	68.786	
4,200.00	4,175.48	4,150.48	4,150.48	16.15	14.65	-171.55	118.00	3,558.00	1,997.89	1,968.30	29.59	67.514	
4,300.00	4,274.74	4,249.74	4,249.74	16.56	15.00	-171.60	118.00	3,558.00	2,009.95	1,979.63	30.31	66.303	
4,400.00	4,373.99	4,348.99	4,348.99	16.97	15.36	-171.65	118.00	3,558.00	2,022.00	1,990.97	31.04	65.148	
4,500.00	4,473.25	4,448.25	4,448.25	17.37	15.71	-171.70	118.00	3,558.00	2,034.06	2,002.30	31.76	64.045	
4,600.00	4,572.50	4,547.50	4,547.50	17.78	16.07	-171.75	118.00	3,558.00	2,046.13	2,013.64	32.48	62.992	
4,700.00	4,671.76	4,646.76	4,646.76	18.19	16.43	-171.79	118.00	3,558.00	2,058.19	2,024.98	33.20	61.985	
4,800.00	4,771.01	4,746.01	4,746.01	18.60	16.78	-171.84	118.00	3,558.00	2,070.25	2,036.33	33.93	61.020	
4,900.00	4,870.27	4,845.27	4,845.27	19.01	17.14	-171.89	118.00	3,558.00	2,082.32	2,047.67	34.65	60.096	
5,000.00	4,969.52	4,934.03	4,934.03	19.42	17.45	-171.93	117.88	3,558.10	2,094.50	2,059.18	35.32	59.298	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
5,100.00	5,068.78	5,009.77	5,009.75	19.82	17.71	-171.93	115.80	3,559.02	2,107.62	2,071.69	35.92	58.667	
5,200.00	5,168.03	5,085.25	5,085.17	20.23	17.96	-171.90	114.57	3,560.90	2,121.84	2,085.32	36.51	58.112	
5,300.00	5,267.29	5,160.42	5,160.22	20.64	18.20	-171.84	111.23	3,563.74	2,137.16	2,100.06	37.10	57.612	
5,400.00	5,366.54	5,235.84	5,235.41	21.05	18.45	-171.74	106.75	3,567.54	2,153.57	2,115.90	37.68	57.159	
5,500.00	5,465.79	5,334.25	5,333.45	21.29	18.78	-171.60	100.20	3,573.09	2,170.52	2,132.33	38.19	56.830	
5,600.00	5,565.05	5,432.66	5,431.48	21.36	19.05	-171.46	93.66	3,578.63	2,187.48	2,149.00	38.48	56.852	
5,700.00	5,664.30	5,531.07	5,529.51	21.45	19.17	-171.32	87.12	3,584.18	2,204.45	2,165.84	38.61	57.093	
5,800.00	5,763.56	5,629.48	5,627.55	21.54	19.18	-171.18	80.58	3,589.73	2,221.44	2,182.79	38.65	57.477	
5,900.00	5,862.81	5,727.89	5,725.58	21.63	19.20	-171.05	74.04	3,595.27	2,238.44	2,199.74	38.70	57.839	
6,000.00	5,962.07	5,826.29	5,823.62	21.74	19.23	-170.91	67.49	3,600.82	2,255.45	2,216.68	38.77	58.180	
6,100.00	6,061.32	5,924.70	5,921.65	21.85	19.26	-170.78	60.95	3,606.37	2,272.47	2,233.62	38.85	58.498	
6,200.00	6,160.58	6,023.11	6,019.68	21.97	19.31	-170.65	54.41	3,611.91	2,289.50	2,250.56	38.94	58.794	
6,300.00	6,259.83	6,121.52	6,117.72	22.10	19.36	-170.53	47.87	3,617.46	2,306.54	2,267.50	39.05	59.068	
6,400.00	6,359.09	6,219.93	6,215.75	22.23	19.41	-170.40	41.33	3,623.01	2,323.60	2,284.43	39.17	59.320	
6,500.00	6,458.34	6,318.34	6,313.78	22.37	19.48	-170.28	34.78	3,628.55	2,340.66	2,301.36	39.31	59.549	
6,600.00	6,557.60	6,416.74	6,411.82	22.52	19.55	-170.16	28.24	3,634.10	2,357.74	2,318.29	39.46	59.757	
6,700.00	6,656.85	6,515.15	6,509.85	22.67	19.63	-170.04	21.70	3,639.65	2,374.83	2,335.21	39.62	59.943	
6,800.00	6,756.10	6,613.56	6,607.89	22.83	19.72	-169.92	15.16	3,645.19	2,391.92	2,352.13	39.79	60.108	
6,900.00	6,855.36	6,711.97	6,705.92	22.99	19.81	-169.80	8.62	3,650.74	2,409.03	2,369.05	39.98	60.252	
7,000.00	6,954.61	6,810.38	6,803.95	23.17	19.91	-169.69	2.07	3,656.29	2,426.14	2,385.96	40.18	60.375	
7,100.00	7,053.87	6,908.79	6,901.99	23.34	20.02	-169.57	-4.47	3,661.83	2,443.27	2,402.87	40.40	60.479	
7,200.00	7,153.12	7,007.19	7,000.02	23.53	20.13	-169.46	-11.01	3,667.38	2,460.40	2,419.78	40.63	60.563	
7,300.00	7,252.38	7,105.60	7,098.05	23.72	20.25	-169.35	-17.55	3,672.93	2,477.55	2,436.68	40.86	60.628	
7,400.00	7,351.63	7,204.01	7,196.09	23.91	20.37	-169.24	-24.09	3,678.47	2,494.70	2,453.58	41.12	60.675	
7,500.00	7,450.89	7,302.42	7,294.12	24.11	20.51	-169.13	-30.64	3,684.02	2,511.86	2,470.48	41.38	60.703	
7,600.00	7,550.14	7,400.83	7,392.16	24.31	20.64	-169.03	-37.18	3,689.56	2,529.03	2,487.37	41.65	60.715	
7,700.00	7,649.40	7,500.77	7,490.19	24.52	20.79	-168.92	-43.72	3,695.11	2,546.20	2,504.26	41.94	60.707	
7,800.00	7,748.65	7,597.64	7,588.22	24.74	20.94	-168.82	-50.26	3,700.66	2,563.39	2,521.15	42.24	60.680	
7,900.00	7,847.91	7,703.95	7,686.26	24.96	21.11	-168.72	-56.80	3,706.20	2,580.58	2,538.02	42.56	60.638	
8,000.00	7,947.16	7,794.46	7,784.29	25.18	21.26	-168.62	-63.35	3,711.75	2,597.78	2,554.92	42.87	60.604	
8,100.00	8,046.41	7,907.13	7,882.32	25.41	21.45	-168.52	-69.89	3,717.30	2,614.99	2,571.77	43.22	60.506	
8,200.00	8,145.67	8,008.72	7,980.36	25.65	21.63	-168.42	-76.43	3,722.84	2,632.21	2,588.64	43.56	60.421	
8,300.00	8,244.92	8,089.68	8,078.39	25.89	21.78	-168.33	-82.97	3,728.39	2,649.43	2,605.54	43.88	60.373	
8,341.02	8,285.64	8,130.06	8,118.61	25.98	21.85	-168.29	-85.66	3,730.67	2,656.50	2,612.47	44.03	60.333	
8,400.00	8,344.23	8,188.16	8,176.50	26.12	21.96	-168.26	-89.52	3,733.94	2,666.22	2,621.98	44.24	60.263	
8,500.00	8,443.79	8,286.98	8,274.94	26.35	22.15	-168.20	-96.09	3,739.51	2,680.70	2,636.09	44.61	60.093	
8,600.00	8,543.56	8,406.58	8,394.11	26.55	22.38	-168.10	-103.82	3,746.06	2,692.55	2,647.51	45.04	59.780	
8,700.00	8,643.47	8,583.35	8,570.62	26.74	22.72	-168.00	-110.80	3,751.98	2,699.78	2,654.16	45.62	59.179	
8,807.69	8,751.15	8,738.89	8,726.15	26.92	22.99	87.90	-112.00	3,753.00	2,701.81	2,655.70	46.11	58.594	
8,900.00	8,843.46	8,831.20	8,818.46	27.06	23.15	87.90	-112.00	3,753.00	2,701.81	2,655.39	46.43	58.196	
9,000.00	8,943.46	8,931.20	8,918.46	27.21	23.32	87.90	-112.00	3,753.00	2,701.81	2,655.04	46.78	57.760	
9,100.00	9,043.46	9,031.20	9,018.46	27.37	23.50	87.90	-112.00	3,753.00	2,701.81	2,654.68	47.14	57.320	
9,200.00	9,143.46	9,131.20	9,118.46	27.54	23.68	87.90	-112.00	3,753.00	2,701.81	2,654.31	47.50	56.877	
9,300.00	9,243.46	9,231.20	9,218.46	27.70	23.86	87.90	-112.00	3,753.00	2,701.81	2,653.94	47.88	56.432	
9,400.00	9,343.46	9,331.20	9,318.46	27.88	24.05	87.90	-112.00	3,753.00	2,701.81	2,653.55	48.26	55.985	
9,500.00	9,443.46	9,431.20	9,418.46	28.05	24.25	87.90	-112.00	3,753.00	2,701.81	2,653.16	48.65	55.536	
9,600.00	9,543.46	9,531.20	9,518.46	28.23	24.44	87.90	-112.00	3,753.00	2,701.81	2,652.77	49.05	55.086	
9,700.00	9,643.46	9,631.20	9,618.46	28.41	24.64	87.90	-112.00	3,753.00	2,701.81	2,652.36	49.45	54.635	
9,800.00	9,743.46	9,731.20	9,718.46	28.59	24.85	87.90	-112.00	3,753.00	2,701.81	2,651.95	49.86	54.184	
9,900.00	9,843.46	9,831.20	9,818.46	28.78	25.05	87.90	-112.00	3,753.00	2,701.81	2,651.53	50.28	53.733	
10,000.00	9,943.46	9,931.20	9,918.46	28.97	25.26	87.90	-112.00	3,753.00	2,701.81	2,651.11	50.71	53.283	
10,100.00	10,043.46	10,031.20	10,018.46	29.17	25.48	87.90	-112.00	3,753.00	2,701.81	2,650.68	51.14	52.833	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	10,143.46	10,131.20	10,118.46	29.36	25.70	87.90	-112.00	3,753.00	2,701.81	2,650.24	51.58	52.384	
10,300.00	10,243.46	10,231.20	10,218.46	29.56	25.92	87.90	-112.00	3,753.00	2,701.81	2,649.79	52.02	51.937	
10,400.00	10,343.46	10,331.20	10,318.46	29.77	26.14	87.90	-112.00	3,753.00	2,701.81	2,649.34	52.47	51.491	
10,500.00	10,443.46	10,431.20	10,418.46	29.97	26.37	87.90	-112.00	3,753.00	2,701.81	2,648.89	52.93	51.047	
10,600.00	10,543.46	10,531.20	10,518.46	30.18	26.60	87.90	-112.00	3,753.00	2,701.81	2,648.42	53.39	50.605	
10,700.00	10,643.46	10,631.20	10,618.46	30.39	26.83	87.90	-112.00	3,753.00	2,701.81	2,647.96	53.86	50.166	
10,800.00	10,743.46	10,731.20	10,718.46	30.61	27.06	87.90	-112.00	3,753.00	2,701.81	2,647.48	54.33	49.729	
10,900.00	10,843.46	10,831.20	10,818.46	30.83	27.30	87.90	-112.00	3,753.00	2,701.81	2,647.01	54.81	49.295	
11,000.00	10,943.46	10,931.20	10,918.46	31.05	27.54	87.90	-112.00	3,753.00	2,701.81	2,646.52	55.29	48.864	
11,100.00	11,043.46	11,031.20	11,018.46	31.27	27.78	87.90	-112.00	3,753.00	2,701.81	2,646.03	55.78	48.437	
11,200.00	11,143.46	11,131.20	11,118.46	31.49	28.03	87.90	-112.00	3,753.00	2,701.81	2,645.54	56.27	48.012	
11,300.00	11,243.46	11,231.20	11,218.46	31.72	28.28	87.90	-112.00	3,753.00	2,701.81	2,645.04	56.77	47.591	
11,400.00	11,343.46	11,331.20	11,318.46	31.95	28.53	87.90	-112.00	3,753.00	2,701.81	2,644.54	57.27	47.173	
11,500.00	11,443.46	11,431.20	11,418.46	32.18	28.78	87.90	-112.00	3,753.00	2,701.81	2,644.03	57.78	46.759	
11,600.00	11,543.46	11,531.20	11,518.46	32.42	29.03	87.90	-112.00	3,753.00	2,701.81	2,643.52	58.29	46.348	
11,700.00	11,643.46	11,631.20	11,618.46	32.65	29.29	87.90	-112.00	3,753.00	2,701.81	2,643.00	58.81	45.942	
11,800.00	11,743.46	11,731.20	11,718.46	32.89	29.55	87.90	-112.00	3,753.00	2,701.81	2,642.48	59.33	45.539	
11,900.00	11,843.46	11,831.20	11,818.46	33.13	29.81	87.90	-112.00	3,753.00	2,701.81	2,641.96	59.85	45.140	
11,946.54	11,890.00	11,877.74	11,865.00	33.25	29.93	87.90	-112.00	3,753.00	2,701.81	2,641.72	60.10	44.956	
11,950.00	11,893.46	11,881.20	11,868.46	33.26	29.94	88.20	-112.00	3,753.00	2,701.81	2,641.70	60.12	44.942	
12,000.00	11,943.38	11,931.12	11,918.38	33.37	30.07	88.26	-112.00	3,753.00	2,701.74	2,641.36	60.38	44.746	
12,050.00	11,992.90	11,980.64	11,967.90	33.49	30.20	88.42	-112.00	3,753.00	2,701.54	2,640.90	60.63	44.555	
12,100.00	12,041.63	12,029.60	12,016.81	33.59	30.32	88.62	-110.25	3,752.99	2,701.29	2,640.43	60.86	44.383	
12,150.00	12,089.21	12,079.22	12,066.12	33.69	30.43	88.82	-105.03	3,752.95	2,701.06	2,639.98	61.08	44.219	
12,200.00	12,135.27	12,114.48	12,100.50	33.77	30.53	89.04	-96.23	3,752.89	2,700.85	2,639.56	61.29	44.064	
12,250.00	12,179.47	12,160.43	12,144.71	33.85	30.64	89.26	-83.74	3,752.80	2,700.67	2,639.18	61.49	43.917	
12,300.00	12,221.46	12,207.13	12,188.47	33.92	30.73	89.49	-67.47	3,752.69	2,700.52	2,638.83	61.69	43.777	
12,350.00	12,260.93	12,254.64	12,231.48	33.98	30.83	89.72	-47.31	3,752.55	2,700.40	2,638.53	61.87	43.643	
12,400.00	12,297.58	12,303.03	12,273.41	34.04	30.91	89.96	-23.19	3,752.38	2,700.33	2,638.27	62.06	43.512	
12,450.00	12,331.13	12,352.36	12,313.90	34.09	30.99	90.20	4.95	3,752.18	2,700.29	2,638.05	62.24	43.383	
12,465.64	12,340.94	12,367.99	12,326.21	34.10	31.02	90.28	14.58	3,752.12	2,700.29	2,637.99	62.30	43.342	
12,500.00	12,361.31	12,402.69	12,352.57	34.14	31.07	90.44	37.14	3,751.96	2,700.30	2,637.87	62.43	43.253	
12,550.00	12,387.92	12,454.08	12,388.98	34.18	31.14	90.68	73.38	3,751.71	2,700.35	2,637.73	62.63	43.118	
12,600.00	12,410.73	12,506.60	12,422.69	34.23	31.21	90.92	113.63	3,751.42	2,700.44	2,637.61	62.84	42.977	
12,650.00	12,429.58	12,560.28	12,453.18	34.28	31.29	91.15	157.79	3,751.12	2,700.57	2,637.51	63.06	42.825	
12,700.00	12,444.32	12,615.17	12,479.95	34.34	31.40	91.38	205.68	3,750.78	2,700.73	2,637.42	63.31	42.661	
12,746.54	12,454.25	12,667.37	12,501.05	39.52	31.52	91.59	253.41	3,750.45	2,700.90	2,637.37	63.53	42.514	
12,771.54	12,458.59	12,695.96	12,510.73	39.54	31.59	91.69	280.30	3,750.26	2,700.98	2,637.33	63.65	42.437	
12,800.00	12,463.12	12,728.96	12,520.23	39.57	31.68	91.78	311.90	3,750.04	2,701.06	2,637.26	63.79	42.341	
12,850.00	12,469.03	12,786.47	12,532.42	39.62	37.08	91.90	368.08	3,749.65	2,701.18	2,637.13	64.05	42.176	
12,900.00	12,472.34	12,840.93	12,541.19	39.68	37.11	92.00	421.72	3,749.27	2,701.36	2,637.08	64.29	42.020	
12,936.27	12,473.11	12,884.66	12,546.17	39.73	37.14	92.08	465.27	3,748.93	2,701.52	2,637.01	64.51	41.876	
13,000.00	12,473.10	12,955.89	12,549.98	39.82	37.18	92.16	536.38	3,748.35	2,701.69	2,636.75	64.93	41.607	
13,100.00	12,473.10	13,058.01	12,550.10	39.98	37.24	92.16	638.49	3,747.45	2,701.70	2,635.98	65.72	41.109	
13,200.00	12,473.10	13,158.01	12,550.10	40.17	37.30	92.16	738.48	3,746.57	2,701.71	2,635.06	66.64	40.540	
13,300.00	12,473.10	13,258.01	12,550.10	40.39	37.36	92.16	838.48	3,745.68	2,701.71	2,634.00	67.72	39.897	
13,400.00	12,473.09	13,358.01	12,550.09	40.65	37.44	92.16	938.48	3,744.80	2,701.72	2,632.79	68.93	39.192	
13,500.00	12,473.09	13,458.01	12,550.09	40.96	37.52	92.16	1,038.47	3,743.92	2,701.73	2,631.44	70.29	38.438	
13,600.00	12,473.09	13,558.01	12,550.09	41.32	37.63	92.16	1,138.47	3,743.04	2,701.74	2,629.97	71.77	37.646	
13,700.00	12,473.09	13,658.01	12,550.09	41.75	37.78	92.16	1,238.46	3,742.16	2,701.74	2,628.38	73.37	36.824	
13,800.00	12,473.08	13,758.01	12,550.08	42.25	38.04	92.16	1,338.46	3,741.28	2,701.75	2,626.67	75.08	35.984	
13,900.00	12,473.08	13,858.01	12,550.08	42.82	38.53	92.16	1,438.46	3,740.39	2,701.76	2,624.86	76.90	35.134	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 — **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
14,000.00	12,473.08	13,958.01	12,550.08	43.48	39.27	92.16	1,538.45	3,739.51	2,701.77	2,622.95	78.82	34.280	
14,100.00	12,473.08	14,058.01	12,550.08	44.21	40.18	92.16	1,638.45	3,738.63	2,701.77	2,620.95	80.82	33.429	
14,200.00	12,473.07	14,158.01	12,550.07	45.01	41.13	92.16	1,738.44	3,737.75	2,701.78	2,618.87	82.91	32.586	
14,300.00	12,473.07	14,258.01	12,550.07	45.88	42.17	92.16	1,838.44	3,736.87	2,701.79	2,616.71	85.08	31.755	
14,400.00	12,473.07	14,358.01	12,550.07	46.82	43.26	92.16	1,938.44	3,735.99	2,701.80	2,614.47	87.32	30.941	
14,500.00	12,473.07	14,458.01	12,550.07	47.82	44.39	92.16	2,038.43	3,735.10	2,701.80	2,612.17	89.63	30.144	
14,600.00	12,473.06	14,558.01	12,550.06	48.86	45.55	92.16	2,138.43	3,734.22	2,701.81	2,609.81	92.00	29.368	
14,700.00	12,473.06	14,658.01	12,550.06	49.95	46.74	92.16	2,238.43	3,733.34	2,701.82	2,607.39	94.43	28.613	
14,800.00	12,473.06	14,758.01	12,550.06	51.08	47.97	92.16	2,338.42	3,732.46	2,701.83	2,604.92	96.90	27.881	
14,900.00	12,473.06	14,858.01	12,550.06	52.25	49.22	92.16	2,438.42	3,731.58	2,701.83	2,602.40	99.43	27.173	
15,000.00	12,473.06	14,958.01	12,550.05	53.45	50.49	92.16	2,538.41	3,730.70	2,701.84	2,599.83	102.01	26.487	
15,100.00	12,473.05	15,058.01	12,550.05	54.68	51.79	92.16	2,638.41	3,729.81	2,701.85	2,597.23	104.62	25.825	
15,200.00	12,473.05	15,158.01	12,550.05	55.94	53.11	92.16	2,738.41	3,728.93	2,701.86	2,594.58	107.27	25.186	
15,300.00	12,473.05	15,258.01	12,550.05	57.22	54.44	92.16	2,838.40	3,728.05	2,701.86	2,591.90	109.96	24.570	
15,400.00	12,473.05	15,358.01	12,550.04	58.53	55.80	92.16	2,938.40	3,727.17	2,701.87	2,589.18	112.69	23.977	
15,500.00	12,473.04	15,458.01	12,550.04	59.85	57.17	92.16	3,038.39	3,726.29	2,701.88	2,586.43	115.44	23.405	
15,600.00	12,473.04	15,558.01	12,550.04	61.20	58.55	92.16	3,138.39	3,725.40	2,701.88	2,583.66	118.23	22.854	
15,700.00	12,473.04	15,658.01	12,550.04	62.56	59.95	92.16	3,238.39	3,724.52	2,701.89	2,580.86	121.04	22.323	
15,800.00	12,473.04	15,758.01	12,550.04	63.93	61.37	92.16	3,338.38	3,723.64	2,701.90	2,578.03	123.87	21.812	
15,900.00	12,473.03	15,858.01	12,550.03	65.33	62.79	92.16	3,438.38	3,722.76	2,701.91	2,575.18	126.73	21.320	
16,000.00	12,473.03	15,958.01	12,550.03	66.73	64.23	92.16	3,538.38	3,721.88	2,701.91	2,572.30	129.61	20.846	
16,100.00	12,473.03	16,058.01	12,550.03	68.15	65.67	92.16	3,638.37	3,721.00	2,701.92	2,569.41	132.51	20.390	
16,200.00	12,473.03	16,158.01	12,550.03	69.58	67.13	92.16	3,738.37	3,720.11	2,701.93	2,566.50	135.43	19.951	
16,300.00	12,473.02	16,258.01	12,550.02	71.01	68.60	92.16	3,838.36	3,719.23	2,701.94	2,563.57	138.37	19.527	
16,400.00	12,473.02	16,358.01	12,550.02	72.46	70.07	92.16	3,938.36	3,718.35	2,701.94	2,560.62	141.32	19.119	
16,500.00	12,473.02	16,458.01	12,550.02	73.92	71.55	92.16	4,038.36	3,717.47	2,701.95	2,557.66	144.29	18.725	
16,600.00	12,473.02	16,558.01	12,550.02	75.39	73.04	92.16	4,138.35	3,716.59	2,701.96	2,554.68	147.28	18.346	
16,700.00	12,473.01	16,658.01	12,550.01	76.87	74.54	92.16	4,238.35	3,715.71	2,701.97	2,551.69	150.28	17.980	
16,800.00	12,473.01	16,758.01	12,550.01	78.35	76.04	92.16	4,338.34	3,714.82	2,701.97	2,548.68	153.29	17.627	
16,900.00	12,473.01	16,858.01	12,550.01	79.84	77.55	92.16	4,438.34	3,713.94	2,701.98	2,545.67	156.31	17.286	
17,000.00	12,473.01	16,958.01	12,550.01	81.34	79.07	92.16	4,538.34	3,713.06	2,701.99	2,542.64	159.35	16.956	
17,100.00	12,473.00	17,058.01	12,550.00	82.84	80.59	92.16	4,638.33	3,712.18	2,702.00	2,539.60	162.40	16.638	
17,200.00	12,473.00	17,158.01	12,550.00	84.35	82.12	92.16	4,738.33	3,711.30	2,702.00	2,536.55	165.45	16.331	
17,236.48	12,473.00	17,194.49	12,550.00	84.91	82.68	92.16	4,774.81	3,710.98	2,702.01	2,535.43	166.57	16.221 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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	32.00	32.00	0.00	0.04	-90.56	0.00	30.00	1,938.09				
100.00	100.00	132.00	132.00	0.13	0.24	-90.56	0.00	30.00	1,938.09	1,937.72	0.37	5,249.070	
200.00	200.00	232.00	232.00	0.49	0.60	-90.56	0.00	30.00	1,938.09	1,937.01	1.09	1,784.338	
300.00	300.00	332.00	332.00	0.84	0.96	-90.56	0.00	30.00	1,938.09	1,936.29	1.80	1,074.860	
400.00	400.00	432.00	432.00	1.20	1.32	-90.56	0.00	30.00	1,938.09	1,935.57	2.52	769.068	
500.00	500.00	532.00	532.00	1.56	1.68	-90.56	0.00	30.00	1,938.09	1,934.86	3.24	598.732	
600.00	600.00	632.00	632.00	1.92	2.03	-90.56	0.00	30.00	1,938.09	1,934.14	3.95	490.167	
700.00	699.99	731.99	731.99	2.27	2.39	13.58	0.00	30.00	1,936.82	1,932.16	4.66	415.587	
800.00	799.91	831.91	831.91	2.61	2.75	13.60	0.00	30.00	1,933.00	1,927.64	5.36	360.518	
900.00	899.69	931.69	931.69	2.96	3.11	13.67	0.00	30.00	1,926.65	1,920.58	6.07	317.538	
1,000.00	999.27	1,031.27	1,031.27	3.32	3.47	13.77	0.00	30.00	1,917.76	1,910.98	6.78	283.013	
1,066.67	1,065.51	1,102.49	1,097.51	3.57	3.72	13.85	0.00	30.00	1,910.43	1,903.16	7.27	262.830	
1,100.00	1,098.59	1,130.59	1,130.59	3.69	3.82	13.88	0.00	30.00	1,906.48	1,898.99	7.49	254.600	
1,200.00	1,197.85	1,229.85	1,229.85	4.07	4.18	13.97	0.00	30.00	1,894.65	1,886.45	8.20	231.115	
1,300.00	1,297.10	1,329.10	1,329.10	4.46	4.53	14.05	0.00	30.00	1,882.82	1,873.91	8.91	211.310	
1,400.00	1,396.36	1,428.36	1,428.36	4.84	4.89	14.15	0.00	30.00	1,870.99	1,861.37	9.62	194.395	
1,500.00	1,495.61	1,527.61	1,527.61	5.24	5.24	14.24	0.00	30.00	1,859.17	1,848.83	10.34	179.789	
1,600.00	1,594.86	1,626.86	1,626.86	5.63	5.60	14.33	0.00	30.00	1,847.36	1,836.30	11.06	167.055	
1,700.00	1,694.12	1,726.12	1,726.12	6.03	5.96	14.42	0.00	30.00	1,835.54	1,823.77	11.78	155.859	
1,800.00	1,793.37	1,825.37	1,825.37	6.42	6.31	14.52	0.00	30.00	1,823.74	1,811.24	12.50	145.939	
1,900.00	1,892.63	1,924.63	1,924.63	6.82	6.67	14.62	0.00	30.00	1,811.94	1,798.72	13.22	137.092	
2,000.00	1,991.88	2,023.88	2,023.88	7.22	7.02	14.71	0.00	30.00	1,800.14	1,786.20	13.94	129.154	
2,100.00	2,091.14	2,123.14	2,123.14	7.63	7.38	14.81	0.00	30.00	1,788.35	1,773.69	14.66	121.991	
2,200.00	2,190.39	2,222.39	2,222.39	8.03	7.74	14.91	0.00	30.00	1,776.57	1,761.19	15.38	115.498	
2,300.00	2,289.65	2,321.65	2,321.65	8.43	8.09	15.01	0.00	30.00	1,764.79	1,748.68	16.10	109.583	
2,400.00	2,388.90	2,420.90	2,420.90	8.83	8.45	15.12	0.00	30.00	1,753.01	1,736.19	16.83	104.175	
2,500.00	2,488.16	2,520.16	2,520.16	9.24	8.80	15.22	0.00	30.00	1,741.25	1,723.69	17.55	99.210	
2,600.00	2,587.41	2,619.41	2,619.41	9.64	9.16	15.33	0.00	30.00	1,729.48	1,711.21	18.28	94.636	
2,700.00	2,686.67	2,718.67	2,718.67	10.05	9.51	15.44	0.00	30.00	1,717.73	1,698.73	19.00	90.410	
2,800.00	2,785.92	2,817.92	2,817.92	10.45	9.87	15.54	0.00	30.00	1,705.98	1,686.25	19.72	86.493	
2,900.00	2,885.17	2,917.17	2,917.17	10.86	10.23	15.66	0.00	30.00	1,694.23	1,673.78	20.45	82.853	
3,000.00	2,984.43	3,016.43	3,016.43	11.26	10.58	15.77	0.00	30.00	1,682.49	1,661.32	21.17	79.462	
3,100.00	3,083.68	3,115.68	3,115.68	11.67	10.94	15.88	0.00	30.00	1,670.76	1,648.86	21.90	76.294	
3,200.00	3,182.94	3,214.94	3,214.94	12.08	11.29	16.00	0.00	30.00	1,659.04	1,636.41	22.62	73.329	
3,300.00	3,282.19	3,314.19	3,314.19	12.48	11.65	16.11	0.00	30.00	1,647.32	1,623.97	23.35	70.547	
3,400.00	3,381.45	3,413.45	3,413.45	12.89	12.01	16.23	0.00	30.00	1,635.61	1,611.53	24.08	67.933	
3,500.00	3,480.70	3,512.70	3,512.70	13.30	12.36	16.35	0.00	30.00	1,623.90	1,599.10	24.80	65.472	
3,600.00	3,579.96	3,611.96	3,611.96	13.70	12.72	16.47	0.00	30.00	1,612.21	1,586.68	25.53	63.150	
3,700.00	3,679.21	3,711.21	3,711.21	14.11	13.07	16.60	0.00	30.00	1,600.52	1,574.26	26.26	60.957	
3,800.00	3,778.47	3,810.47	3,810.47	14.52	13.43	16.72	0.00	30.00	1,588.83	1,561.85	26.98	58.882	
3,900.00	3,877.72	3,909.72	3,909.72	14.93	13.78	16.85	0.00	30.00	1,577.16	1,549.45	27.71	56.915	
4,000.00	3,976.98	4,008.98	4,008.98	15.33	14.14	16.98	0.00	30.00	1,565.49	1,537.05	28.44	55.049	
4,100.00	4,076.23	4,108.23	4,108.23	15.74	14.50	17.11	0.00	30.00	1,553.83	1,524.67	29.17	53.275	
4,200.00	4,175.48	4,207.48	4,207.48	16.15	14.85	17.24	0.00	30.00	1,542.18	1,512.29	29.89	51.588	
4,300.00	4,274.74	4,306.74	4,306.74	16.56	15.21	17.38	0.00	30.00	1,530.54	1,499.92	30.62	49.981	
4,400.00	4,373.99	4,405.99	4,405.99	16.97	15.56	17.52	0.00	30.00	1,518.90	1,487.55	31.35	48.449	
4,500.00	4,473.25	4,505.25	4,505.25	17.37	15.92	17.65	0.00	30.00	1,507.28	1,475.20	32.08	46.986	
4,600.00	4,572.50	4,604.50	4,604.50	17.78	16.27	17.80	0.00	30.00	1,495.66	1,462.85	32.81	45.588	
4,700.00	4,671.76	4,703.76	4,703.76	18.19	16.63	17.94	0.00	30.00	1,484.06	1,450.52	33.54	44.251	
4,800.00	4,771.01	4,803.01	4,803.01	18.60	16.99	18.09	0.00	30.00	1,472.46	1,438.19	34.27	42.970	
4,900.00	4,870.27	4,902.27	4,902.27	19.01	17.34	18.23	0.00	30.00	1,460.87	1,425.87	35.00	41.743	
5,000.00	4,969.52	5,001.52	5,001.52	19.42	17.70	18.38	0.00	30.00	1,449.29	1,413.56	35.73	40.566	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
5,100.00	5,068.78	5,100.78	5,100.78	19.82	18.05	18.54	0.00	30.00	1,437.72	1,401.27	36.46	39.437	
5,200.00	5,168.03	5,200.03	5,200.03	20.23	18.41	18.69	0.00	30.00	1,426.16	1,388.98	37.19	38.351	
5,300.00	5,267.29	5,300.71	5,299.29	20.64	18.77	18.85	0.00	30.00	1,414.62	1,376.69	37.92	37.303	
5,400.00	5,366.54	5,401.46	5,398.54	21.05	19.13	19.01	0.00	30.00	1,403.08	1,364.42	38.66	36.296	
5,500.00	5,465.79	5,497.79	5,497.79	21.29	19.30	19.18	0.00	30.00	1,391.55	1,352.53	39.03	35.655	
5,600.00	5,565.05	5,621.39	5,621.37	21.36	19.32	19.32	-1.69	30.93	1,379.18	1,340.16	39.03	35.339	
5,700.00	5,664.30	5,745.04	5,744.87	21.45	19.33	19.32	-6.89	33.77	1,365.03	1,326.01	39.03	34.978	
5,800.00	5,763.56	5,861.17	5,860.64	21.54	19.36	19.19	-14.88	38.14	1,349.18	1,310.14	39.04	34.556	
5,900.00	5,862.81	5,959.78	5,958.87	21.63	19.39	19.05	-22.42	42.26	1,332.88	1,293.77	39.11	34.081	
6,000.00	5,962.07	6,058.39	6,057.11	21.74	19.43	18.91	-29.96	46.38	1,316.60	1,277.41	39.19	33.596	
6,100.00	6,061.32	6,157.00	6,155.34	21.85	19.48	18.76	-37.51	50.50	1,300.31	1,261.03	39.28	33.101	
6,200.00	6,160.58	6,255.61	6,253.58	21.97	19.53	18.61	-45.05	54.63	1,284.04	1,244.65	39.39	32.598	
6,300.00	6,259.83	6,354.22	6,351.81	22.10	19.60	18.46	-52.59	58.75	1,267.78	1,228.27	39.51	32.086	
6,400.00	6,359.09	6,452.83	6,450.05	22.23	19.66	18.30	-60.13	62.87	1,251.53	1,211.88	39.65	31.568	
6,500.00	6,458.34	6,551.44	6,548.28	22.37	19.74	18.13	-67.67	66.99	1,235.28	1,195.49	39.79	31.043	
6,600.00	6,557.60	6,650.05	6,646.52	22.52	19.82	17.97	-75.21	71.12	1,219.05	1,179.09	39.95	30.512	
6,700.00	6,656.85	6,748.66	6,744.75	22.67	19.91	17.80	-82.75	75.24	1,202.82	1,162.70	40.13	29.976	
6,800.00	6,756.10	6,847.27	6,842.99	22.83	20.01	17.62	-90.29	79.36	1,186.61	1,146.30	40.31	29.435	
6,900.00	6,855.36	6,945.88	6,941.22	22.99	20.11	17.44	-97.84	83.48	1,170.41	1,129.90	40.51	28.891	
7,000.00	6,954.61	7,044.49	7,039.45	23.17	20.22	17.25	-105.38	87.61	1,154.22	1,113.50	40.72	28.343	
7,100.00	7,053.87	7,143.10	7,137.69	23.34	20.34	17.06	-112.92	91.73	1,138.04	1,097.09	40.95	27.794	
7,200.00	7,153.12	7,241.71	7,235.92	23.53	20.46	16.86	-120.46	95.85	1,121.88	1,080.69	41.18	27.242	
7,300.00	7,252.38	7,340.32	7,334.16	23.72	20.59	16.66	-128.00	99.97	1,105.72	1,064.30	41.43	26.690	
7,400.00	7,351.63	7,438.93	7,432.39	23.91	20.73	16.45	-135.54	104.10	1,089.59	1,047.90	41.69	26.138	
7,500.00	7,450.89	7,537.54	7,530.63	24.11	20.87	16.23	-143.08	108.22	1,073.46	1,031.51	41.96	25.585	
7,600.00	7,550.14	7,636.15	7,628.86	24.31	21.02	16.01	-150.62	112.34	1,057.36	1,015.12	42.24	25.034	
7,700.00	7,649.40	7,734.76	7,727.10	24.52	21.17	15.78	-158.16	116.46	1,041.26	998.73	42.53	24.484	
7,800.00	7,748.65	7,833.37	7,825.33	24.74	21.33	15.55	-165.71	120.59	1,025.19	982.36	42.83	23.936	
7,900.00	7,847.91	7,931.98	7,923.57	24.96	21.49	15.31	-173.25	124.71	1,009.13	965.99	43.14	23.390	
8,000.00	7,947.16	8,030.59	8,021.80	25.18	21.66	15.05	-180.79	128.83	993.09	949.62	43.47	22.847	
8,100.00	8,046.41	8,129.20	8,120.04	25.41	21.84	14.79	-188.33	132.95	977.07	933.27	43.80	22.308	
8,200.00	8,145.67	8,227.81	8,218.27	25.65	22.02	14.53	-195.87	137.08	961.07	916.93	44.14	21.772	
8,300.00	8,244.92	8,326.42	8,316.51	25.89	22.20	14.25	-203.41	141.20	945.09	900.60	44.49	21.241	
8,341.02	8,285.64	8,366.87	8,356.81	25.98	22.28	14.13	-206.51	142.89	938.54	893.90	44.64	21.024	
8,400.00	8,344.23	8,425.09	8,414.80	26.12	22.39	13.92	-210.96	145.32	929.57	884.72	44.85	20.725	
8,500.00	8,443.79	8,515.72	8,505.15	26.35	22.57	13.61	-217.27	148.77	916.76	871.53	45.22	20.272	
8,600.00	8,543.56	8,605.20	8,594.48	26.55	22.74	13.38	-221.68	151.18	907.57	861.98	45.59	19.906	
8,700.00	8,643.47	8,695.07	8,684.31	26.74	22.91	13.25	-224.28	152.60	902.02	856.06	45.96	19.626	
8,807.69	8,751.15	8,808.08	8,783.15	26.92	23.11	-90.89	-225.00	153.00	900.11	853.75	46.36	19.416	
8,900.00	8,843.46	8,886.23	8,875.46	27.06	23.24	-90.89	-225.00	153.00	900.11	853.45	46.65	19.293	
9,000.00	8,943.46	8,986.23	8,975.46	27.21	23.42	-90.89	-225.00	153.00	900.11	853.10	47.00	19.149	
9,100.00	9,043.46	9,086.23	9,075.46	27.37	23.60	-90.89	-225.00	153.00	900.11	852.75	47.36	19.004	
9,200.00	9,143.46	9,186.23	9,175.46	27.54	23.78	-90.89	-225.00	153.00	900.11	852.38	47.73	18.858	
9,300.00	9,243.46	9,286.23	9,275.46	27.70	23.96	-90.89	-225.00	153.00	900.11	852.00	48.11	18.711	
9,400.00	9,343.46	9,386.23	9,375.46	27.88	24.15	-90.89	-225.00	153.00	900.11	851.62	48.49	18.563	
9,500.00	9,443.46	9,486.23	9,475.46	28.05	24.35	-90.89	-225.00	153.00	900.11	851.23	48.88	18.415	
9,600.00	9,543.46	9,586.23	9,575.46	28.23	24.55	-90.89	-225.00	153.00	900.11	850.83	49.28	18.267	
9,700.00	9,643.46	9,686.23	9,675.46	28.41	24.75	-90.89	-225.00	153.00	900.11	850.43	49.68	18.118	
9,800.00	9,743.46	9,786.23	9,775.46	28.59	24.95	-90.89	-225.00	153.00	900.11	850.02	50.09	17.969	
9,900.00	9,843.46	9,886.23	9,875.46	28.78	25.16	-90.89	-225.00	153.00	900.11	849.60	50.51	17.820	
10,000.00	9,943.46	9,986.23	9,975.46	28.97	25.37	-90.89	-225.00	153.00	900.11	849.17	50.94	17.671	
10,100.00	10,043.46	10,086.23	10,075.46	29.17	25.59	-90.89	-225.00	153.00	900.11	848.74	51.37	17.523	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
10,200.00	10,143.46	10,186.23	10,175.46	29.36	25.80	-90.89	-225.00	153.00	900.11	848.30	51.81	17.375	
10,300.00	10,243.46	10,286.23	10,275.46	29.56	26.02	-90.89	-225.00	153.00	900.11	847.86	52.25	17.227	
10,400.00	10,343.46	10,386.23	10,375.46	29.77	26.25	-90.89	-225.00	153.00	900.11	847.41	52.70	17.080	
10,500.00	10,443.46	10,486.23	10,475.46	29.97	26.47	-90.89	-225.00	153.00	900.11	846.95	53.16	16.933	
10,600.00	10,543.46	10,586.23	10,575.46	30.18	26.70	-90.89	-225.00	153.00	900.11	846.49	53.62	16.788	
10,700.00	10,643.46	10,686.23	10,675.46	30.39	26.94	-90.89	-225.00	153.00	900.11	846.02	54.08	16.643	
10,800.00	10,743.46	10,786.23	10,775.46	30.61	27.17	-90.89	-225.00	153.00	900.11	845.55	54.56	16.498	
10,900.00	10,843.46	10,886.23	10,875.46	30.83	27.41	-90.89	-225.00	153.00	900.11	845.07	55.04	16.355	
11,000.00	10,943.46	10,986.23	10,975.46	31.05	27.65	-90.89	-225.00	153.00	900.11	844.59	55.52	16.213	
11,100.00	11,043.46	11,086.23	11,075.46	31.27	27.89	-90.89	-225.00	153.00	900.11	844.10	56.01	16.072	
11,200.00	11,143.46	11,186.23	11,175.46	31.49	28.14	-90.89	-225.00	153.00	900.11	843.61	56.50	15.931	
11,300.00	11,243.46	11,286.23	11,275.46	31.72	28.39	-90.89	-225.00	153.00	900.11	843.11	57.00	15.792	
11,400.00	11,343.46	11,386.23	11,375.46	31.95	28.64	-90.89	-225.00	153.00	900.11	842.61	57.50	15.654	
11,500.00	11,443.46	11,486.23	11,475.46	32.18	28.89	-90.89	-225.00	153.00	900.11	842.10	58.01	15.517	
11,600.00	11,543.46	11,586.23	11,575.46	32.42	29.15	-90.89	-225.00	153.00	900.11	841.59	58.52	15.382	
11,700.00	11,643.46	11,686.23	11,675.46	32.65	29.40	-90.89	-225.00	153.00	900.11	841.08	59.03	15.248	
11,800.00	11,743.46	11,786.23	11,775.46	32.89	29.66	-90.89	-225.00	153.00	900.11	840.56	59.55	15.114	
11,900.00	11,843.46	11,886.23	11,875.46	33.13	29.92	-90.89	-225.00	153.00	900.11	840.03	60.08	14.983	
11,946.54	11,890.00	11,932.77	11,922.00	33.25	30.05	-90.89	-225.00	153.00	900.11	839.79	60.32	14.922 CC	
11,950.00	11,893.46	11,936.23	11,925.46	33.26	30.06	-90.59	-225.00	153.00	900.11	839.77	60.34	14.917	
12,000.00	11,943.38	11,986.15	11,975.38	33.37	30.19	-90.75	-225.00	153.00	900.14	839.54	60.60	14.855	
12,050.00	11,992.90	12,036.49	12,025.71	33.49	30.32	-91.14	-224.42	153.00	900.24	839.40	60.84	14.797	
12,100.00	12,041.63	12,087.96	12,076.95	33.59	30.45	-91.56	-219.81	152.97	900.40	839.33	61.07	14.743	
12,150.00	12,089.21	12,140.08	12,128.21	33.69	30.57	-91.97	-210.47	152.92	900.60	839.31	61.29	14.693	
12,200.00	12,135.27	12,192.85	12,179.03	33.77	30.69	-92.38	-196.31	152.85	900.85	839.34	61.51	14.647	
12,250.00	12,179.47	12,246.28	12,228.93	33.85	30.80	-92.76	-177.28	152.75	901.12	839.42	61.71	14.603	
12,300.00	12,221.46	12,300.35	12,277.40	33.92	30.91	-93.13	-153.37	152.62	901.42	839.52	61.90	14.562	
12,350.00	12,260.93	12,355.04	12,323.92	33.98	31.01	-93.47	-124.65	152.47	901.73	839.64	62.09	14.523	
12,400.00	12,297.58	12,410.32	12,367.95	34.04	31.11	-93.78	-91.24	152.30	902.04	839.76	62.28	14.484	
12,450.00	12,331.13	12,466.17	12,408.94	34.09	31.20	-94.07	-53.35	152.10	902.35	839.88	62.47	14.444	
12,500.00	12,361.31	12,522.53	12,446.37	34.14	31.30	-94.32	-11.25	151.88	902.63	839.96	62.67	14.403	
12,550.00	12,387.92	12,579.34	12,479.74	34.18	31.41	-94.53	34.70	151.64	902.89	840.01	62.88	14.359	
12,600.00	12,410.73	12,636.54	12,508.57	34.23	31.53	-94.71	84.07	151.38	903.11	840.01	63.11	14.311	
12,650.00	12,429.58	12,694.05	12,532.46	34.28	31.67	-94.84	136.36	151.11	903.29	839.94	63.35	14.259	
12,700.00	12,444.32	12,751.80	12,551.04	34.34	31.82	-94.93	191.01	150.82	903.41	839.79	63.62	14.201	
12,746.54	12,454.25	12,805.68	12,563.35	39.52	34.33	-94.98	243.44	150.55	903.47	839.62	63.85	14.149	
12,771.54	12,458.59	12,831.37	12,567.83	39.54	37.04	-94.98	268.75	150.41	903.47	839.53	63.94	14.129	
12,800.00	12,463.12	12,861.43	12,572.71	39.57	37.06	-94.98	298.41	150.25	903.48	839.42	64.05	14.105	
12,850.00	12,469.03	12,914.77	12,579.08	39.62	37.09	-94.98	351.35	149.91	903.48	839.20	64.28	14.055	
12,900.00	12,472.34	12,968.10	12,582.49	39.68	37.11	-94.97	404.57	149.51	903.47	838.92	64.55	13.996	
12,938.27	12,473.11	13,008.91	12,583.08	39.73	37.14	-94.95	445.37	149.16	903.46	838.67	64.79	13.945	
12,958.03	12,473.10	13,028.27	12,583.10	39.76	37.15	-94.95	464.73	148.99	903.46	838.53	64.93	13.914	
13,000.00	12,473.10	13,070.24	12,583.10	39.82	37.17	-94.95	506.70	148.62	903.46	838.23	65.23	13.850	
13,100.00	12,473.10	13,170.24	12,583.10	39.98	37.22	-94.95	606.69	147.73	903.46	837.40	66.06	13.676	
13,200.00	12,473.10	13,270.24	12,583.10	40.17	37.28	-94.95	706.69	146.84	903.46	836.41	67.04	13.475	
13,300.00	12,473.10	13,370.24	12,583.10	40.39	37.34	-94.95	806.69	145.96	903.45	835.28	68.17	13.252	
13,400.00	12,473.09	13,470.24	12,583.09	40.65	37.40	-94.95	906.68	145.07	903.45	834.01	69.44	13.010	
13,500.00	12,473.09	13,570.24	12,583.09	40.96	37.48	-94.95	1,006.68	144.18	903.45	832.61	70.85	12.752	
13,600.00	12,473.09	13,670.24	12,583.09	41.32	37.57	-94.95	1,106.67	143.29	903.45	831.08	72.37	12.484	
13,700.00	12,473.09	13,770.24	12,583.09	41.75	37.74	-94.95	1,206.67	142.41	903.45	829.43	74.01	12.207	
13,800.00	12,473.08	13,870.24	12,583.08	42.25	38.21	-94.95	1,306.67	141.52	903.45	827.68	75.76	11.924	
13,900.00	12,473.08	13,970.24	12,583.08	42.82	39.02	-94.95	1,406.66	140.63	903.45	825.83	77.62	11.640	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
14,000.00	12,473.08	14,070.24	12,583.08	43.48	39.96	-94.95	1,506.66	139.74	903.44	823.88	79.57	11.355	
14,100.00	12,473.08	14,170.24	12,583.08	44.21	40.97	-94.95	1,606.65	138.86	903.44	821.84	81.60	11.072	
14,200.00	12,473.07	14,270.24	12,583.07	45.01	42.02	-94.95	1,706.65	137.97	903.44	819.72	83.72	10.792	
14,300.00	12,473.07	14,370.24	12,583.07	45.88	43.11	-94.95	1,806.65	137.08	903.44	817.53	85.91	10.516	
14,400.00	12,473.07	14,470.24	12,583.07	46.82	44.24	-94.95	1,906.64	136.19	903.44	815.27	88.17	10.247	
14,500.00	12,473.07	14,570.24	12,583.07	47.82	45.40	-94.95	2,006.64	135.30	903.44	812.94	90.50	9.983	
14,600.00	12,473.06	14,670.24	12,583.06	48.86	46.59	-94.95	2,106.63	134.42	903.43	810.55	92.88	9.727	
14,700.00	12,473.06	14,770.24	12,583.06	49.95	47.82	-94.95	2,206.63	133.53	903.43	808.11	95.32	9.478	
14,800.00	12,473.06	14,870.24	12,583.06	51.08	49.06	-94.95	2,306.63	132.64	903.43	805.62	97.82	9.236	
14,900.00	12,473.06	14,970.24	12,583.06	52.25	50.34	-94.95	2,406.62	131.75	903.43	803.07	100.35	9.002	
15,000.00	12,473.06	15,070.24	12,583.05	53.45	51.63	-94.95	2,506.62	130.87	903.43	800.49	102.94	8.776	
15,100.00	12,473.05	15,170.24	12,583.05	54.68	52.94	-94.95	2,606.61	129.98	903.43	797.87	105.56	8.558	
15,200.00	12,473.05	15,270.24	12,583.05	55.94	54.28	-94.95	2,706.61	129.09	903.42	795.20	108.22	8.348	
15,300.00	12,473.05	15,370.24	12,583.05	57.22	55.63	-94.95	2,806.61	128.20	903.42	792.50	110.92	8.145	
15,400.00	12,473.05	15,470.24	12,583.05	58.53	57.00	-94.95	2,906.60	127.32	903.42	789.77	113.65	7.949	
15,500.00	12,473.04	15,570.24	12,583.04	59.85	58.38	-94.95	3,006.60	126.43	903.42	787.01	116.40	7.761	
15,600.00	12,473.04	15,670.24	12,583.04	61.20	59.78	-94.95	3,106.60	125.54	903.42	784.23	119.19	7.580	
15,700.00	12,473.04	15,770.24	12,583.04	62.56	61.18	-94.95	3,206.59	124.65	903.42	781.41	122.00	7.405	
15,800.00	12,473.04	15,870.24	12,583.04	63.93	62.61	-94.95	3,306.59	123.77	903.41	778.57	124.84	7.237	
15,900.00	12,473.03	15,970.24	12,583.03	65.33	64.04	-94.95	3,406.58	122.88	903.41	775.71	127.70	7.074	
16,000.00	12,473.03	16,070.24	12,583.03	66.73	65.48	-94.95	3,506.58	121.99	903.41	772.83	130.58	6.918	
16,100.00	12,473.03	16,170.24	12,583.03	68.15	66.94	-94.95	3,606.58	121.10	903.41	769.93	133.48	6.768	
16,200.00	12,473.03	16,270.24	12,583.03	69.58	68.40	-94.95	3,706.57	120.22	903.41	767.01	136.40	6.623	
16,300.00	12,473.02	16,370.24	12,583.02	71.01	69.87	-94.95	3,806.57	119.33	903.41	764.07	139.34	6.484	
16,400.00	12,473.02	16,470.24	12,583.02	72.46	71.36	-94.95	3,906.56	118.44	903.40	761.11	142.29	6.349	
16,500.00	12,473.02	16,570.24	12,583.02	73.92	72.84	-94.95	4,006.56	117.55	903.40	758.14	145.26	6.219	
16,600.00	12,473.02	16,670.24	12,583.02	75.39	74.34	-94.95	4,106.56	116.67	903.40	755.16	148.24	6.094	
16,700.00	12,473.01	16,770.24	12,583.01	76.87	75.84	-94.95	4,206.55	115.78	903.40	752.16	151.24	5.973	
16,800.00	12,473.01	16,870.24	12,583.01	78.35	77.35	-94.95	4,306.55	114.89	903.40	749.15	154.25	5.857	
16,900.00	12,473.01	16,970.24	12,583.01	79.84	78.86	-94.95	4,406.54	114.00	903.40	746.13	157.27	5.744	
17,000.00	12,473.01	17,070.24	12,583.01	81.34	80.38	-94.95	4,506.54	113.12	903.40	743.09	160.30	5.636	
17,100.00	12,473.00	17,170.24	12,583.00	82.84	81.91	-94.95	4,606.54	112.23	903.39	740.05	163.35	5.531	
17,200.00	12,473.00	17,270.24	12,583.00	84.35	83.44	-94.95	4,706.53	111.34	903.39	736.99	166.40	5.429	
17,236.48	12,473.00	17,306.73	12,583.00	84.91	84.00	-94.95	4,743.01	111.02	903.39	735.88	167.52	5.393	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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	90.00	19.00	1,998.00	30.00				
100.00	100.00	100.00	100.00	0.13	0.13	90.00	19.00	1,998.00	30.00	29.75	0.25	117.871	
200.00	200.00	200.00	200.00	0.49	0.49	90.00	19.00	1,998.00	30.00	29.03	0.97	30.881	
300.00	300.00	300.00	300.00	0.84	0.84	90.00	19.00	1,998.00	30.00	28.31	1.69	17.768	
400.00	400.00	400.00	400.00	1.20	1.20	90.00	19.00	1,998.00	30.00	27.59	2.41	12.472	
500.00	500.00	500.00	500.00	1.56	1.56	90.00	19.00	1,998.00	30.00	26.88	3.12	9.608	
600.00	600.00	600.00	600.00	1.92	1.92	90.00	19.00	1,998.00	30.00	26.16	3.84	7.814	CC, ES
700.00	699.99	700.01	699.99	2.27	2.28	-166.47	19.00	1,998.00	31.27	26.73	4.55	6.879	
800.00	799.91	800.09	799.91	2.61	2.64	-167.96	19.00	1,998.00	35.10	29.85	5.25	6.689	
900.00	899.69	900.31	899.69	2.96	3.00	-169.82	19.00	1,998.00	41.52	35.56	5.95	6.972	
1,000.00	999.27	1,000.73	999.27	3.32	3.36	-171.64	19.00	1,998.00	50.55	43.89	6.67	7.583	
1,066.67	1,065.51	1,065.51	1,065.51	3.57	3.59	-172.71	19.00	1,998.00	58.03	50.89	7.14	8.133	
1,100.00	1,098.59	1,101.41	1,098.59	3.69	3.72	-173.18	19.00	1,998.00	62.06	54.68	7.38	8.407	
1,200.00	1,197.85	1,202.15	1,197.85	4.07	4.08	-174.30	19.00	1,998.00	74.18	66.08	8.10	9.163	
1,300.00	1,297.10	1,302.90	1,297.10	4.46	4.44	-175.10	19.00	1,998.00	86.31	77.50	8.81	9.796	
1,400.00	1,396.36	1,403.64	1,396.36	4.84	4.80	-175.71	19.00	1,998.00	98.46	88.93	9.53	10.333	
1,500.00	1,495.61	1,504.39	1,495.61	5.24	5.16	-176.18	19.00	1,998.00	110.62	100.37	10.25	10.794	
1,600.00	1,594.86	1,605.14	1,594.86	5.63	5.52	-176.56	19.00	1,998.00	122.78	111.81	10.97	11.195	
1,700.00	1,694.12	1,705.88	1,694.12	6.03	5.88	-176.87	19.00	1,998.00	134.95	123.26	11.69	11.545	
1,800.00	1,793.37	1,806.63	1,793.37	6.42	6.25	-177.13	19.00	1,998.00	147.12	134.71	12.41	11.855	
1,900.00	1,892.63	1,907.37	1,892.63	6.82	6.61	-177.35	19.00	1,998.00	159.29	146.16	13.13	12.129	
2,000.00	1,991.88	2,008.12	1,991.88	7.22	6.97	-177.54	19.00	1,998.00	171.47	157.61	13.86	12.375	
2,100.00	2,091.14	2,108.86	2,091.14	7.63	7.33	-177.70	19.00	1,998.00	183.64	169.06	14.58	12.596	
2,200.00	2,190.39	2,209.61	2,190.39	8.03	7.69	-177.84	19.00	1,998.00	195.82	180.52	15.30	12.796	
2,300.00	2,289.65	2,289.65	2,289.65	8.43	7.98	-177.97	19.00	1,998.00	208.00	192.05	15.95	13.039	
2,400.00	2,388.90	2,388.90	2,388.90	8.83	8.33	-178.08	19.00	1,998.00	220.18	203.51	16.67	13.207	
2,500.00	2,488.16	2,488.16	2,488.16	9.24	8.69	-178.18	19.00	1,998.00	232.36	214.97	17.39	13.361	
2,600.00	2,587.41	2,587.41	2,587.41	9.64	9.04	-178.27	19.00	1,998.00	244.54	226.43	18.11	13.503	
2,700.00	2,686.67	2,686.67	2,686.67	10.05	9.40	-178.36	19.00	1,998.00	256.72	237.89	18.83	13.633	
2,800.00	2,785.92	2,785.92	2,785.92	10.45	9.76	-178.43	19.00	1,998.00	268.91	249.36	19.55	13.755	
2,900.00	2,885.17	2,885.17	2,885.17	10.86	10.11	-178.50	19.00	1,998.00	281.09	260.82	20.27	13.867	
3,000.00	2,984.43	2,984.43	2,984.43	11.26	10.47	-178.56	19.00	1,998.00	293.27	272.28	20.99	13.971	
3,100.00	3,083.68	3,083.68	3,083.68	11.67	10.82	-178.62	19.00	1,998.00	305.46	283.74	21.71	14.069	
3,200.00	3,182.94	3,182.94	3,182.94	12.08	11.18	-178.67	19.00	1,998.00	317.64	295.21	22.43	14.160	
3,300.00	3,282.19	3,282.19	3,282.19	12.48	11.53	-178.72	19.00	1,998.00	329.82	306.67	23.15	14.246	
3,400.00	3,381.45	3,381.45	3,381.45	12.89	11.89	-178.77	19.00	1,998.00	342.01	318.13	23.87	14.326	
3,500.00	3,480.70	3,480.70	3,480.70	13.30	12.25	-178.81	19.00	1,998.00	354.19	329.60	24.59	14.401	
3,600.00	3,579.96	3,579.96	3,579.96	13.70	12.60	-178.85	19.00	1,998.00	366.38	341.06	25.32	14.473	
3,700.00	3,679.21	3,679.21	3,679.21	14.11	12.96	-178.88	19.00	1,998.00	378.56	352.52	26.04	14.540	
3,800.00	3,778.47	3,778.47	3,778.47	14.52	13.31	-178.92	19.00	1,998.00	390.74	363.99	26.76	14.603	
3,900.00	3,877.72	3,877.72	3,877.72	14.93	13.67	-178.95	19.00	1,998.00	402.93	375.45	27.48	14.664	
4,000.00	3,976.98	3,976.98	3,976.98	15.33	14.03	-178.98	19.00	1,998.00	415.11	386.91	28.20	14.721	
4,100.00	4,076.23	4,076.23	4,076.23	15.74	14.38	-179.01	19.00	1,998.00	427.30	398.38	28.92	14.775	
4,200.00	4,175.48	4,175.48	4,175.48	16.15	14.74	-179.04	19.00	1,998.00	439.48	409.84	29.64	14.826	
4,300.00	4,274.74	4,274.74	4,274.74	16.56	15.09	-179.07	19.00	1,998.00	451.67	421.31	30.36	14.875	
4,400.00	4,373.99	4,373.99	4,373.99	16.97	15.45	-179.09	19.00	1,998.00	463.86	432.77	31.09	14.922	
4,500.00	4,473.25	4,473.25	4,473.25	17.37	15.80	-179.11	19.00	1,998.00	476.04	444.23	31.81	14.967	
4,600.00	4,572.50	4,572.50	4,572.50	17.78	16.16	-179.14	19.00	1,998.00	488.23	455.70	32.53	15.009	
4,700.00	4,671.76	4,671.76	4,671.76	18.19	16.52	-179.16	19.00	1,998.00	500.41	467.16	33.25	15.050	
4,800.00	4,771.01	4,771.01	4,771.01	18.60	16.87	-179.18	19.00	1,998.00	512.60	478.63	33.97	15.089	
4,900.00	4,870.27	4,870.27	4,870.27	19.01	17.23	-179.20	19.00	1,998.00	524.78	490.09	34.69	15.126	
5,000.00	4,969.52	4,969.52	4,969.52	19.42	17.58	-179.21	19.00	1,998.00	536.97	501.55	35.42	15.162	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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
5,100.00	5,068.78	5,068.78	5,068.78	19.82	17.94	-179.23	19.00	1,998.00	549.15	513.02	36.14	15.197	
5,200.00	5,168.03	5,168.03	5,168.03	20.23	18.29	-179.25	19.00	1,998.00	561.34	524.48	36.86	15.230	
5,300.00	5,267.29	5,267.29	5,267.29	20.64	18.65	-179.26	19.00	1,998.00	573.53	535.95	37.58	15.261	
5,400.00	5,366.54	5,366.54	5,366.54	21.05	19.01	-179.28	19.00	1,998.00	585.71	547.41	38.30	15.292	
5,500.00	5,465.79	5,465.79	5,465.79	21.29	19.24	-179.29	19.00	1,998.00	597.90	559.17	38.73	15.438	
5,600.00	5,565.05	5,565.05	5,565.05	21.36	19.31	-179.31	19.00	1,998.00	610.08	571.28	38.80	15.722	
5,700.00	5,664.30	5,664.30	5,664.30	21.45	19.32	-179.32	19.00	1,998.00	622.27	583.44	38.83	16.026	
5,800.00	5,763.56	5,763.56	5,763.56	21.54	19.34	-179.33	19.00	1,998.00	634.46	595.59	38.87	16.323	
5,900.00	5,862.81	5,867.60	5,867.60	21.63	19.36	-179.30	18.41	1,997.88	646.41	607.48	38.93	16.603	
6,000.00	5,962.07	5,974.58	5,974.52	21.74	19.39	-179.04	15.09	1,997.22	657.29	618.27	39.01	16.848	
6,100.00	6,061.32	6,081.59	6,081.34	21.85	19.43	-178.56	8.83	1,995.97	667.03	627.93	39.11	17.057	
6,200.00	6,160.58	6,184.61	6,183.99	21.97	19.48	-177.92	0.36	1,994.27	675.85	636.65	39.20	17.239	
6,300.00	6,259.83	6,283.94	6,282.95	22.10	19.53	-177.29	-8.12	1,992.58	684.63	645.31	39.31	17.414	
6,400.00	6,359.09	6,383.28	6,381.90	22.23	19.59	-176.67	-16.61	1,990.88	693.48	654.04	39.44	17.584	
6,500.00	6,458.34	6,482.61	6,480.86	22.37	19.65	-176.07	-25.10	1,989.18	702.42	662.84	39.58	17.748	
6,600.00	6,557.60	6,581.94	6,579.81	22.52	19.73	-175.49	-33.59	1,987.48	711.42	671.69	39.73	17.906	
6,700.00	6,656.85	6,681.27	6,678.77	22.67	19.81	-174.92	-42.08	1,985.78	720.50	680.60	39.90	18.058	
6,800.00	6,756.10	6,780.61	6,777.72	22.83	19.89	-174.36	-50.57	1,984.09	729.65	689.57	40.08	18.204	
6,900.00	6,855.36	6,879.94	6,876.68	22.99	19.99	-173.82	-59.06	1,982.39	738.87	698.59	40.28	18.345	
7,000.00	6,954.61	6,979.27	6,975.63	23.17	20.09	-173.29	-67.55	1,980.69	748.15	707.66	40.49	18.479	
7,100.00	7,053.87	7,078.61	7,074.59	23.34	20.20	-172.77	-76.04	1,978.99	757.49	716.78	40.71	18.607	
7,200.00	7,153.12	7,177.94	7,173.54	23.53	20.31	-172.27	-84.53	1,977.29	766.89	725.94	40.95	18.729	
7,300.00	7,252.38	7,277.27	7,272.50	23.72	20.44	-171.78	-93.02	1,975.60	776.35	735.15	41.20	18.845	
7,400.00	7,351.63	7,376.60	7,371.45	23.91	20.56	-171.30	-101.51	1,973.90	785.86	744.41	41.46	18.956	
7,500.00	7,450.89	7,475.94	7,470.41	24.11	20.70	-170.83	-110.00	1,972.20	795.43	753.70	41.73	19.060	
7,600.00	7,550.14	7,575.27	7,569.36	24.31	20.84	-170.38	-118.49	1,970.50	805.05	763.03	42.02	19.158	
7,700.00	7,649.40	7,674.60	7,668.32	24.52	20.98	-169.93	-126.97	1,968.81	814.72	772.40	42.32	19.251	
7,800.00	7,748.65	7,773.94	7,767.27	24.74	21.14	-169.50	-135.46	1,967.11	824.43	781.80	42.63	19.338	
7,900.00	7,847.91	7,873.27	7,866.22	24.96	21.29	-169.07	-143.95	1,965.41	834.20	791.24	42.96	19.420	
8,000.00	7,947.16	7,972.60	7,965.18	25.18	21.46	-168.66	-152.44	1,963.71	844.01	800.71	43.29	19.496	
8,100.00	8,046.41	8,071.93	8,064.13	25.41	21.63	-168.25	-160.93	1,962.01	853.86	810.22	43.64	19.567	
8,200.00	8,145.67	8,171.27	8,163.09	25.65	21.80	-167.85	-169.42	1,960.32	863.75	819.75	44.00	19.633	
8,300.00	8,244.92	8,270.60	8,262.04	25.89	21.98	-167.46	-177.91	1,958.62	873.68	829.32	44.36	19.694	
8,341.02	8,285.64	8,311.35	8,302.64	25.98	22.06	-167.31	-181.39	1,957.92	877.77	833.25	44.52	19.718	
8,400.00	8,344.23	8,369.97	8,361.03	26.12	22.17	-167.10	-186.40	1,956.92	883.21	838.47	44.74	19.740	
8,500.00	8,443.79	8,467.76	8,458.47	26.35	22.38	-166.73	-194.60	1,955.28	890.49	845.37	45.12	19.736	
8,600.00	8,543.56	8,562.87	8,553.37	26.55	22.54	-166.45	-200.71	1,954.06	895.68	850.19	45.49	19.690	
8,700.00	8,643.47	8,658.19	8,648.61	26.74	22.72	-166.28	-204.51	1,953.30	898.86	853.01	45.85	19.603	
8,807.69	8,751.15	8,760.97	8,751.38	26.92	22.90	89.68	-206.00	1,953.00	900.01	853.79	46.23	19.470	
8,840.26	8,783.71	8,806.69	8,783.71	26.97	22.98	89.68	-206.00	1,953.00	900.01	853.65	46.36	19.414	
8,900.00	8,843.46	8,853.05	8,843.46	27.06	23.06	89.68	-206.00	1,953.00	900.01	853.47	46.54	19.337	
9,000.00	8,943.46	8,953.05	8,943.46	27.21	23.23	89.68	-206.00	1,953.00	900.01	853.12	46.89	19.193	
9,100.00	9,043.46	9,053.05	9,043.46	27.37	23.41	89.68	-206.00	1,953.00	900.01	852.76	47.25	19.047	
9,200.00	9,143.46	9,153.05	9,143.46	27.54	23.59	89.68	-206.00	1,953.00	900.01	852.40	47.62	18.900	
9,300.00	9,243.46	9,253.05	9,243.46	27.70	23.78	89.68	-206.00	1,953.00	900.01	852.02	47.99	18.753	
9,400.00	9,343.46	9,353.05	9,343.46	27.88	23.97	89.68	-206.00	1,953.00	900.01	851.64	48.38	18.605	
9,500.00	9,443.46	9,453.05	9,443.46	28.05	24.16	89.68	-206.00	1,953.00	900.01	851.25	48.77	18.456	
9,600.00	9,543.46	9,553.05	9,543.46	28.23	24.36	89.68	-206.00	1,953.00	900.01	850.85	49.16	18.307	
9,700.00	9,643.46	9,653.05	9,643.46	28.41	24.56	89.68	-206.00	1,953.00	900.01	850.45	49.57	18.157	
9,800.00	9,743.46	9,753.05	9,743.46	28.59	24.77	89.68	-206.00	1,953.00	900.01	850.03	49.98	18.008	
9,900.00	9,843.46	9,853.05	9,843.46	28.78	24.98	89.68	-206.00	1,953.00	900.01	849.62	50.40	17.858	
10,000.00	9,943.46	9,953.05	9,943.46	28.97	25.19	89.68	-206.00	1,953.00	900.01	849.19	50.82	17.709	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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	10,043.46	10,053.05	10,043.46	29.17	25.40	89.68	-206.00	1,953.00	900.01	848.76	51.25	17.560	
10,200.00	10,143.46	10,153.05	10,143.46	29.36	25.62	89.68	-206.00	1,953.00	900.01	848.32	51.69	17.411	
10,300.00	10,243.46	10,253.05	10,243.46	29.56	25.84	89.68	-206.00	1,953.00	900.01	847.88	52.14	17.263	
10,400.00	10,343.46	10,353.05	10,343.46	29.77	26.07	89.68	-206.00	1,953.00	900.01	847.43	52.59	17.115	
10,500.00	10,443.46	10,453.05	10,443.46	29.97	26.29	89.68	-206.00	1,953.00	900.01	846.97	53.04	16.968	
10,600.00	10,543.46	10,553.05	10,543.46	30.18	26.52	89.68	-206.00	1,953.00	900.01	846.51	53.50	16.821	
10,700.00	10,643.46	10,653.05	10,643.46	30.39	26.76	89.68	-206.00	1,953.00	900.01	846.04	53.97	16.676	
10,800.00	10,743.46	10,753.05	10,743.46	30.61	26.99	89.68	-206.00	1,953.00	900.01	845.57	54.44	16.531	
10,900.00	10,843.46	10,853.05	10,843.46	30.83	27.23	89.68	-206.00	1,953.00	900.01	845.09	54.92	16.387	
11,000.00	10,943.46	10,953.05	10,943.46	31.05	27.47	89.68	-206.00	1,953.00	900.01	844.61	55.41	16.244	
11,100.00	11,043.46	11,053.05	11,043.46	31.27	27.71	89.68	-206.00	1,953.00	900.01	844.12	55.89	16.102	
11,200.00	11,143.46	11,153.05	11,143.46	31.49	27.96	89.68	-206.00	1,953.00	900.01	843.63	56.39	15.961	
11,300.00	11,243.46	11,253.05	11,243.46	31.72	28.21	89.68	-206.00	1,953.00	900.01	843.13	56.88	15.822	
11,400.00	11,343.46	11,353.05	11,343.46	31.95	28.46	89.68	-206.00	1,953.00	900.01	842.63	57.39	15.683	
11,500.00	11,443.46	11,453.05	11,443.46	32.18	28.71	89.68	-206.00	1,953.00	900.01	842.12	57.89	15.546	
11,600.00	11,543.46	11,553.05	11,543.46	32.42	28.97	89.68	-206.00	1,953.00	900.01	841.61	58.41	15.410	
11,700.00	11,643.46	11,653.05	11,643.46	32.65	29.23	89.68	-206.00	1,953.00	900.01	841.09	58.92	15.275	
11,800.00	11,743.46	11,753.05	11,743.46	32.89	29.48	89.68	-206.00	1,953.00	900.01	840.57	59.44	15.141	
11,900.00	11,843.46	11,853.05	11,843.46	33.13	29.75	89.68	-206.00	1,953.00	900.01	840.05	59.96	15.009	
11,946.54	11,890.00	11,900.41	11,890.00	33.25	29.87	89.68	-206.00	1,953.00	900.01	839.80	60.21	14.947	
11,950.00	11,893.46	11,903.05	11,893.46	33.26	29.88	89.98	-206.00	1,953.00	900.01	839.79	60.23	14.943	
11,964.70	11,908.15	11,917.75	11,908.15	33.29	29.92	90.00	-206.00	1,953.00	900.01	839.71	60.31	14.924	
12,000.00	11,943.38	11,952.98	11,943.38	33.37	30.01	90.14	-206.00	1,953.00	900.02	839.52	60.49	14.878	
12,050.00	11,992.90	12,002.60	11,993.01	33.49	30.14	90.56	-205.96	1,953.00	900.06	839.30	60.76	14.814	
12,100.00	12,041.63	12,053.06	12,043.37	33.59	30.27	91.09	-203.12	1,952.98	900.18	839.17	61.02	14.753	
12,150.00	12,089.21	12,104.29	12,094.04	33.69	30.40	91.61	-195.72	1,952.95	900.38	839.12	61.26	14.697	
12,200.00	12,135.27	12,156.32	12,144.63	33.77	30.52	92.12	-183.60	1,952.88	900.65	839.16	61.49	14.646	
12,250.00	12,179.47	12,209.17	12,194.67	33.85	30.63	92.62	-166.65	1,952.79	900.98	839.27	61.71	14.600	
12,300.00	12,221.46	12,262.85	12,243.67	33.92	30.74	93.11	-144.79	1,952.68	901.37	839.45	61.92	14.558	
12,350.00	12,260.93	12,317.37	12,291.12	33.98	30.85	93.57	-118.00	1,952.54	901.80	839.69	62.11	14.519	
12,400.00	12,297.58	12,372.71	12,336.47	34.04	30.95	94.00	-86.31	1,952.37	902.26	839.96	62.30	14.482	
12,450.00	12,331.13	12,428.84	12,379.13	34.09	31.06	94.41	-49.86	1,952.18	902.73	840.24	62.49	14.446	
12,500.00	12,361.31	12,485.74	12,418.51	34.14	31.17	94.78	-8.83	1,951.97	903.20	840.52	62.68	14.410	
12,550.00	12,387.92	12,543.36	12,454.05	34.18	31.28	95.12	36.49	1,951.73	903.65	840.77	62.88	14.371	
12,600.00	12,410.73	12,601.63	12,485.18	34.23	31.41	95.41	85.71	1,951.47	904.06	840.96	63.10	14.327	
12,650.00	12,429.58	12,660.46	12,511.38	34.28	31.55	95.65	138.36	1,951.20	904.42	841.08	63.34	14.278	
12,700.00	12,444.32	12,719.77	12,532.19	34.34	31.71	95.84	193.87	1,950.91	904.72	841.10	63.62	14.221	
12,746.54	12,454.25	12,775.30	12,546.38	39.52	34.33	95.97	247.54	1,950.63	904.93	841.08	63.85	14.172	
12,771.54	12,458.59	12,803.54	12,551.65	39.54	36.85	95.99	275.38	1,950.48	904.96	841.01	63.96	14.150	
12,800.00	12,463.12	12,834.94	12,556.91	39.57	36.87	96.02	308.23	1,950.31	905.00	840.93	64.07	14.126	
12,850.00	12,469.03	12,897.22	12,562.82	39.62	36.90	95.94	368.20	1,949.89	904.85	840.51	64.34	14.065	
12,900.00	12,472.34	12,951.71	12,563.30	39.68	36.93	95.77	422.68	1,949.41	904.49	839.85	64.64	13.993	
12,938.06	12,473.11	12,989.75	12,563.30	39.73	36.95	95.72	460.72	1,949.08	904.40	839.53	64.87	13.941	
12,938.27	12,473.11	12,989.96	12,563.30	39.73	36.95	95.72	460.93	1,949.07	904.40	839.53	64.87	13.941	
13,000.00	12,473.10	13,051.70	12,563.29	39.82	36.98	95.72	522.66	1,948.53	904.40	839.09	65.31	13.847	
13,100.00	12,473.10	13,151.70	12,563.29	39.98	37.03	95.72	622.66	1,947.64	904.41	838.26	66.14	13.674	
13,200.00	12,473.10	13,251.70	12,563.28	40.17	37.08	95.72	722.66	1,946.76	904.41	837.28	67.12	13.474	
13,300.00	12,473.10	13,351.70	12,563.27	40.39	37.14	95.72	822.65	1,945.87	904.41	836.16	68.25	13.251	
13,400.00	12,473.09	13,451.70	12,563.26	40.65	37.19	95.72	922.65	1,944.98	904.41	834.89	69.52	13.010	
13,500.00	12,473.09	13,551.70	12,563.26	40.96	37.25	95.72	1,022.64	1,944.10	904.42	833.50	70.92	12.753	
13,600.00	12,473.09	13,651.70	12,563.25	41.32	37.32	95.72	1,122.64	1,943.21	904.42	831.98	72.44	12.485	
13,700.00	12,473.09	13,751.70	12,563.24	41.75	37.42	95.72	1,222.64	1,942.33	904.42	830.34	74.08	12.209	

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 @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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

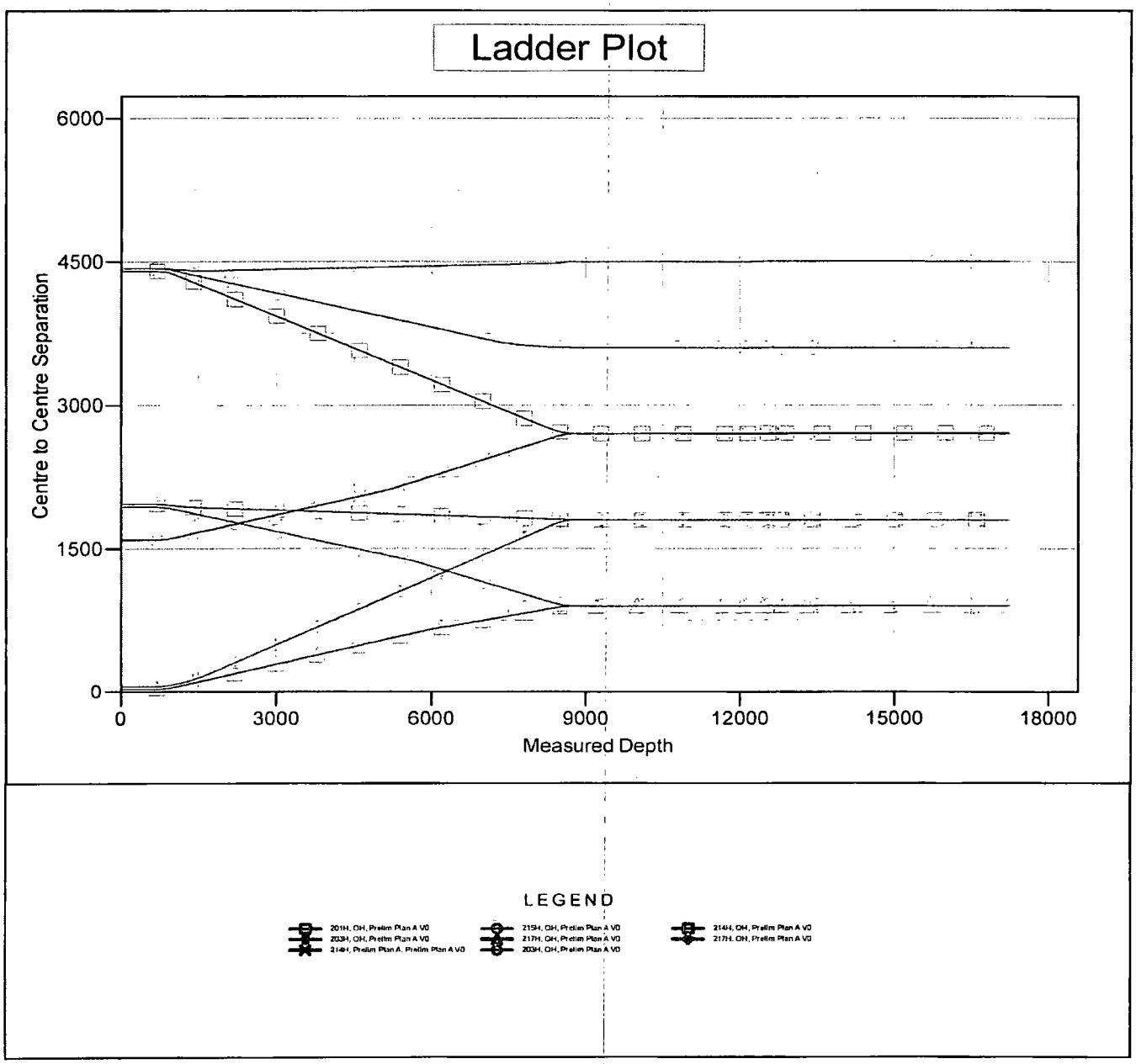
Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12795-MWD - OWSG — **Offset Well Error:** 0.00 usft

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	12,473.08	13,851.70	12,563.24	42.25	37.96	95.72	1,322.63	1,941.44	904.42	828.60	75.83	11.928	
13,900.00	12,473.08	13,951.70	12,563.23	42.62	38.86	95.72	1,422.63	1,940.55	904.43	826.75	77.68	11.644	
14,000.00	12,473.08	14,051.70	12,563.22	43.48	39.84	95.72	1,522.62	1,939.67	904.43	824.81	79.62	11.359	
14,100.00	12,473.08	14,151.70	12,563.22	44.21	40.86	95.72	1,622.62	1,938.78	904.43	822.78	81.65	11.077	
14,200.00	12,473.07	14,251.70	12,563.21	45.01	41.92	95.72	1,722.62	1,937.90	904.43	820.67	83.76	10.798	
14,300.00	12,473.07	14,351.70	12,563.20	45.88	43.02	95.72	1,822.61	1,937.01	904.44	818.49	85.95	10.523	
14,400.00	12,473.07	14,451.70	12,563.20	46.82	44.16	95.72	1,922.61	1,936.12	904.44	816.23	88.21	10.254	
14,500.00	12,473.07	14,551.70	12,563.19	47.82	45.32	95.72	2,022.60	1,935.24	904.44	813.91	90.53	9.991	
14,600.00	12,473.06	14,651.70	12,563.18	48.86	46.52	95.72	2,122.60	1,934.35	904.45	811.54	92.91	9.735	
14,700.00	12,473.06	14,751.70	12,563.17	49.95	47.75	95.72	2,222.60	1,933.47	904.45	809.10	95.35	9.486	
14,800.00	12,473.06	14,851.70	12,563.17	51.08	49.00	95.72	2,322.59	1,932.58	904.45	806.62	97.83	9.245	
14,900.00	12,473.06	14,951.70	12,563.16	52.25	50.28	95.72	2,422.59	1,931.69	904.45	804.09	100.37	9.011	
15,000.00	12,473.06	15,051.70	12,563.15	53.45	51.57	95.72	2,522.59	1,930.81	904.46	801.51	102.95	8.786	
15,100.00	12,473.05	15,151.70	12,563.15	54.68	52.89	95.72	2,622.58	1,929.92	904.46	798.89	105.56	8.568	
15,200.00	12,473.05	15,251.70	12,563.14	55.94	54.23	95.72	2,722.58	1,929.04	904.46	796.24	108.22	8.357	
15,300.00	12,473.05	15,351.70	12,563.13	57.22	55.58	95.72	2,822.57	1,928.15	904.46	793.55	110.91	8.155	
15,400.00	12,473.05	15,451.70	12,563.13	58.53	56.95	95.72	2,922.57	1,927.26	904.47	790.83	113.64	7.959	
15,500.00	12,473.04	15,551.70	12,563.12	59.85	58.33	95.72	3,022.57	1,926.38	904.47	788.08	116.39	7.771	
15,600.00	12,473.04	15,651.70	12,563.11	61.20	59.73	95.72	3,122.56	1,925.49	904.47	785.30	119.17	7.590	
15,700.00	12,473.04	15,751.70	12,563.11	62.56	61.15	95.72	3,222.56	1,924.61	904.47	782.49	121.98	7.415	
15,800.00	12,473.04	15,851.70	12,563.10	63.93	62.57	95.71	3,322.55	1,923.72	904.48	779.66	124.81	7.247	
15,900.00	12,473.03	15,951.70	12,563.09	65.33	64.00	95.71	3,422.55	1,922.83	904.48	776.81	127.67	7.085	
16,000.00	12,473.03	16,051.70	12,563.09	66.73	65.45	95.71	3,522.55	1,921.95	904.48	773.94	130.55	6.928	
16,100.00	12,473.03	16,151.70	12,563.08	68.15	66.91	95.71	3,622.54	1,921.06	904.49	771.04	133.44	6.778	
16,200.00	12,473.03	16,251.70	12,563.07	69.58	68.37	95.71	3,722.54	1,920.17	904.49	768.13	136.36	6.633	
16,300.00	12,473.02	16,351.70	12,563.06	71.01	69.85	95.71	3,822.53	1,919.29	904.49	765.20	139.29	6.494	
16,400.00	12,473.02	16,451.70	12,563.06	72.46	71.33	95.71	3,922.53	1,918.40	904.49	762.25	142.24	6.359	
16,500.00	12,473.02	16,551.70	12,563.05	73.92	72.82	95.71	4,022.53	1,917.52	904.50	759.29	145.20	6.229	
16,600.00	12,473.02	16,651.70	12,563.04	75.39	74.31	95.71	4,122.52	1,916.63	904.50	756.32	148.18	6.104	
16,700.00	12,473.01	16,751.70	12,563.04	76.87	75.82	95.71	4,222.52	1,915.74	904.50	753.33	151.17	5.983	
16,800.00	12,473.01	16,851.70	12,563.03	78.35	77.33	95.71	4,322.51	1,914.86	904.50	750.32	154.18	5.867	
16,900.00	12,473.01	16,951.70	12,563.02	79.84	78.84	95.71	4,422.51	1,913.97	904.51	747.31	157.20	5.754	
17,000.00	12,473.01	17,051.70	12,563.02	81.34	80.36	95.71	4,522.51	1,913.09	904.51	744.28	160.22	5.645	
17,100.00	12,473.00	17,151.70	12,563.01	82.84	81.89	95.71	4,622.50	1,912.20	904.51	741.25	163.26	5.540	
17,200.00	12,473.00	17,251.70	12,563.00	84.35	83.42	95.71	4,722.50	1,911.31	904.51	738.20	166.31	5.439	
17,236.48	12,473.00	17,288.18	12,563.00	84.91	83.98	95.71	4,758.98	1,910.99	904.52	737.09	167.43	5.402 SF	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 @ 3308.00usft (GL: 3279 + KB: 2
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°

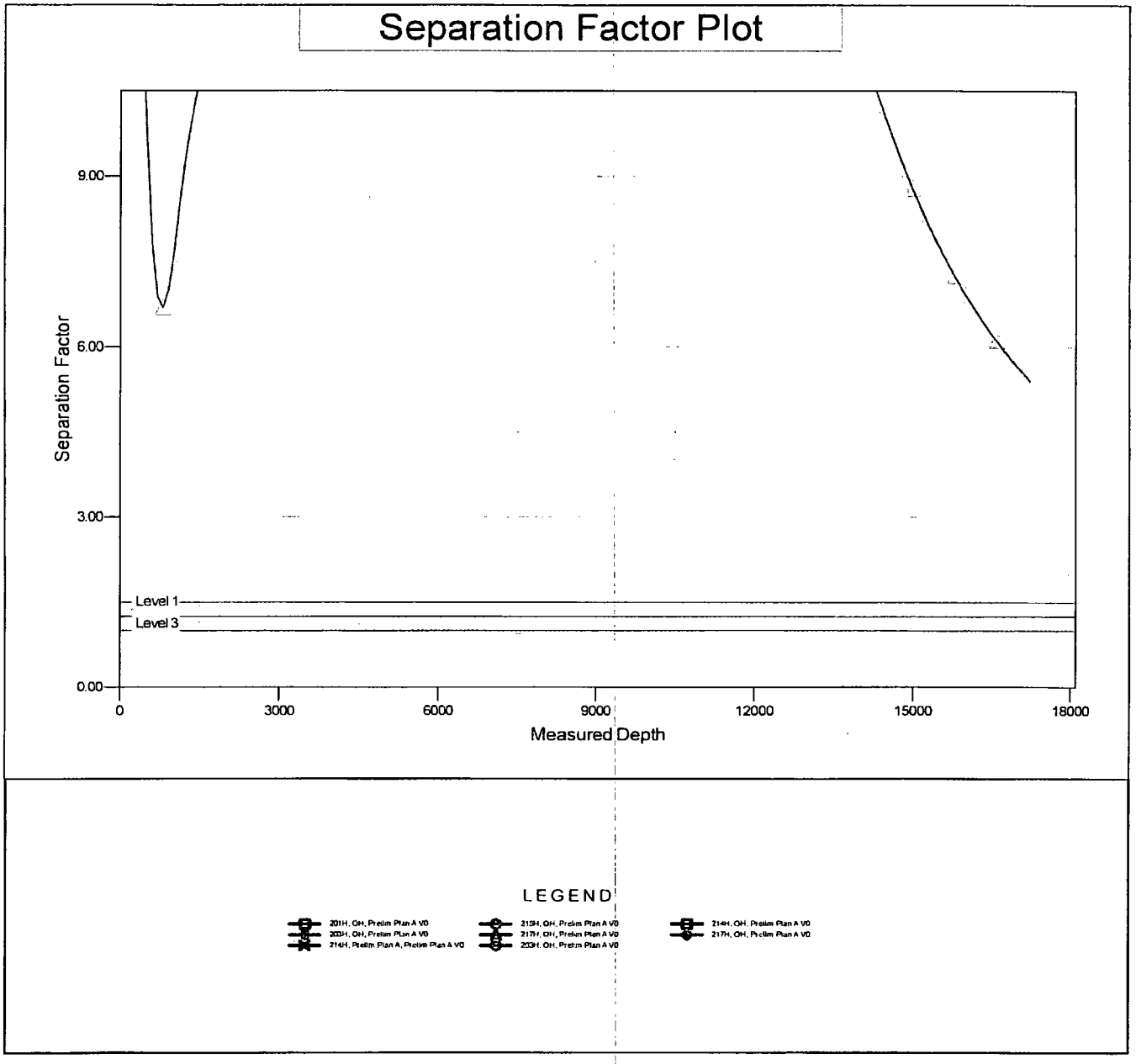


CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL: 3279 + KB: 29)
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	202H	**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 @ 3308.00usft (GL: 3279 + KB: 2
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°



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