PECOS DISTRICT
DRILLING OPERATIONS
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Matador Production Company**
LEASE NO.:	**NMNM-136226**
WELL NAME & NO.:	**Leslie Fed Com 217H**
SURFACE HOLE FOOTAGE:	**0300' FSL & 2085' FEL**
BOTTOM HOLE FOOTAGE	**0240' FNL & 2130' FEL**
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**

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.:	217H –LESLIE FED COM
SURFACE HOLE FOOTAGE:	300'/S & 2085'/E
BOTTOM HOLE FOOTAGE	240'/S & 2130'/E
LOCATION:	Section 17 T.25 S., R.35E., NMP
COUNTY:	LEA County, New Mexico

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

Approval Date: 02/26/2018

I. GENERAL PROVISIONS

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

II. PERMIT EXPIRATION

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

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

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

IV. NOXIOUS WEEDS

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

V. SPECIAL REQUIREMENT(S)

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

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

Watershed/Water Quality:

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

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

Tank Battery:

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

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

VI. CONSTRUCTION

A. NOTIFICATION

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

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

B. TOPSOIL

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

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

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

D. FEDERAL MINERAL MATERIALS PIT

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

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

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

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. ON LEASE ACCESS ROADS

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

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

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

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

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

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

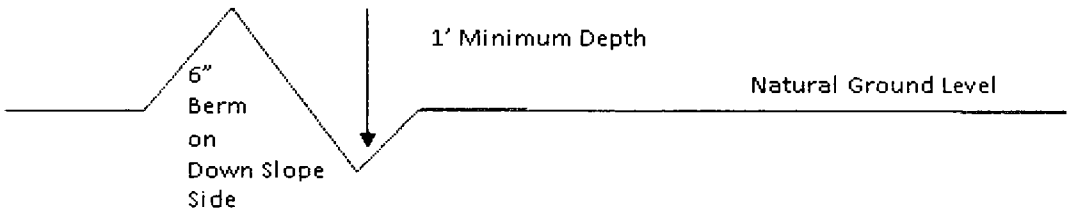
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

Cattle guards

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

Fence Requirement

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

Public Access

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

Construction Steps

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

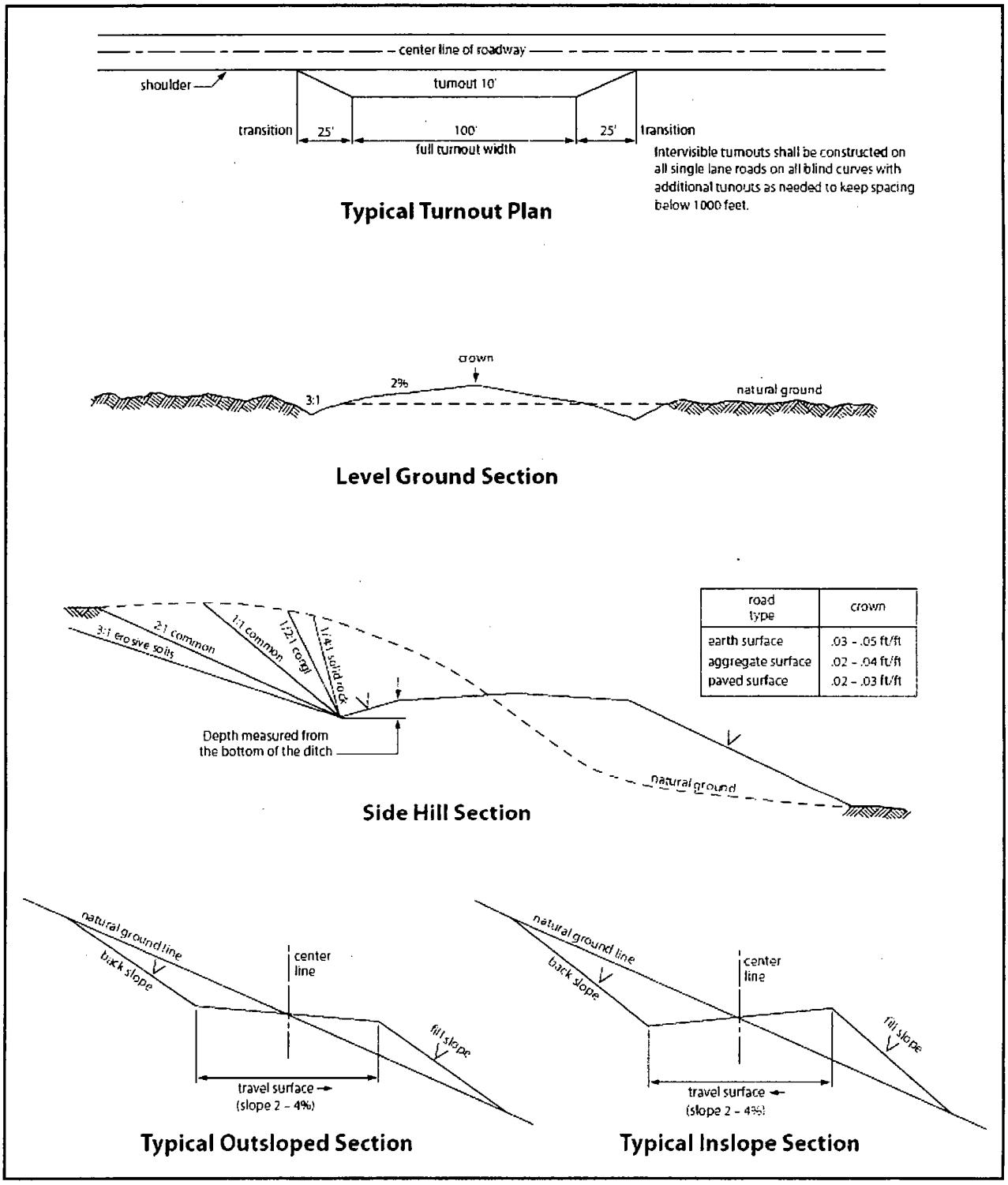


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

Containment Structures

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

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

VIII. INTERIM RECLAMATION

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

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

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

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

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

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

Seed Mixture for LPC Sand/Shinnery Sites

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

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

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

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

*Pounds of pure live seed:

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

Approval Date: 02/26/2018

Hydrogen Sulfide Drilling Operations Plan

1 H2S safety instructions to the following:

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

2 H2S Detection and Alarm Systems:

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

3 Windsocks and / Wind Streamers:

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

4 Condition Flags and Signs:

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

5 Well Control Equipment:

- See attachments

6 Communication:

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

7 Drilling Stem Testing:

- No DSTs or cores are planned at this time.

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

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

11 Emergency Contacts

- See following page

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

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

Lea County		
Ambulance	911	
Nor Lea General Hospital (Hobbs)	575-397-0560	
State Police (Hobbs)	575-392-5580	
City Police (Hobbs)	575-397-9625	
Sheriff's Office (Lovington)	575-396-3611	
Fire Marshall (Lovington)	575-391-2983	
Volunteer Fire Dept. (Jal)	575-395-2221	
Emergency Management (Lovington)	575-391-2983	
New Mexico Oil Conservation Division (Hobbs)	575-393-6161	575-390-3186
BLM (Hobbs)	575-393-3612	
Hobbs Animal Clinic	575-392-5563	
Dal Paso Animal Hospital (Hobbs)	575-397-2286	
Mountain States Equine (Hobbs)	575-392-7488	
Carlsbad		
BLM	575-234-5972	
Santa Fe		
New Mexico Emergency Response Commission (Santa Fe)	505-476-9600	
New Mexico Emergency Response Commission (Santa Fe) 24 hrs	505-827-9126	
New Mexico State Emergency Operations Center	505-476-9635	
National		
National Emergency Response Center (Washington, D.C.)	800-424-8802	
Medical		
Flight for Life- 4000 24th St.; Lubbock, TX	806-743-9911	
Aerocare- R3, Box 49F; Lubbock, TX	806-747-8923	
Med Flight Air Amb- 2301 Yale Blvd SE, D3; Albuquerque, NM	505-842-4433	
SB Air Med Service- 2505 Clark Carr Loop SE; Albuquerque, NM	505-842-4949	
Other		
Boots & Coots IWC	800-256-9688	or 281-931-8884
Cudd Pressure Control	432-699-0139	or 432-563-3356
Halliburton	575-746-2757	
B.J. Services	575-746-3569	
NM Dept. of Transportation (Roswell)	575-637-7200	

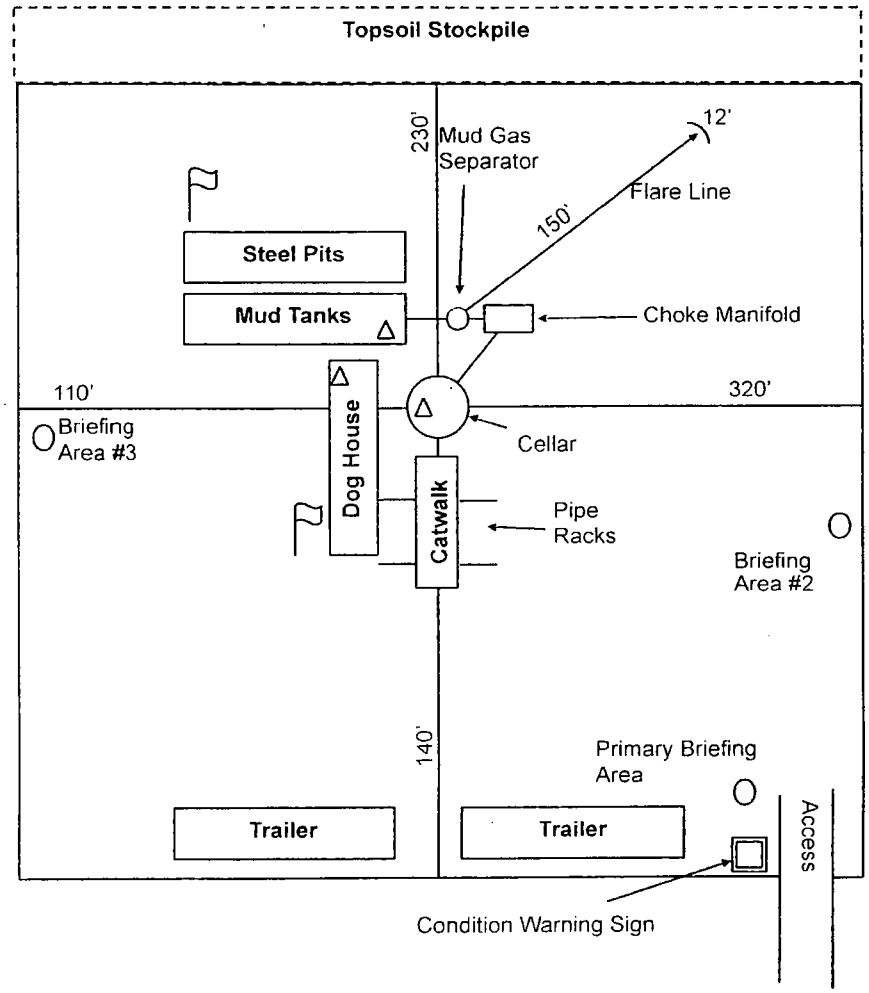
H2S Rig Diagram

Leslie Fed Com 217H
SHL 300' FSL & 2085' FEL
17-25S-35E Lea County, NM

Wind Direction Indicator

H2S Monitors

Briefing Areas



Matador Resources
Lea County, NM
Leslie Fed Com
217H
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	1998.00	410058.00	792979.00	32° 7' 25.792 N	103° 23' 14.249 W	

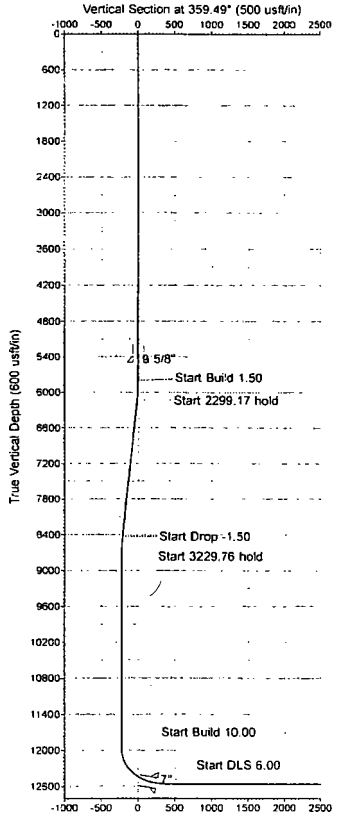
SECTION DETAILS- Lateral

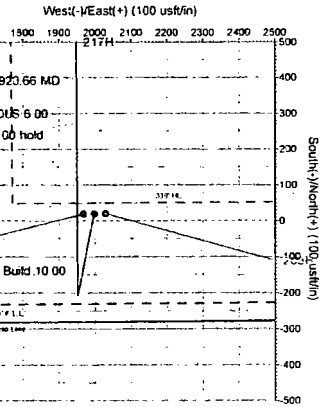
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	19.00	1998.00	0.00	0.00
2	5800.00	0.00	0.00	5800.00	19.00	1998.00	0.00	0.00
3	6133.33	5.00	191.31	6132.91	4.75	1995.15	1.50	-14.23
4	8432.50	5.00	191.31	8423.33	-191.75	1955.85	0.00	-210.36
5	8765.83	0.00	0.00	8756.24	-206.00	1953.00	1.50	-224.59
6	11989.59	0.00	0.00	11980.00	-206.00	1953.00	0.00	-224.59
7	12789.59	80.00	359.70	12544.25	267.45	1950.52	10.00	248.87
8	12814.59	80.00	359.70	12548.59	292.08	1950.39	0.00	273.49
9	12981.32	90.00	359.49	12563.11	457.65	1949.22	6.00	439.37
10	17281.54	90.00	359.49	12563.00	4759.00	1911.00	0.00	4739.59

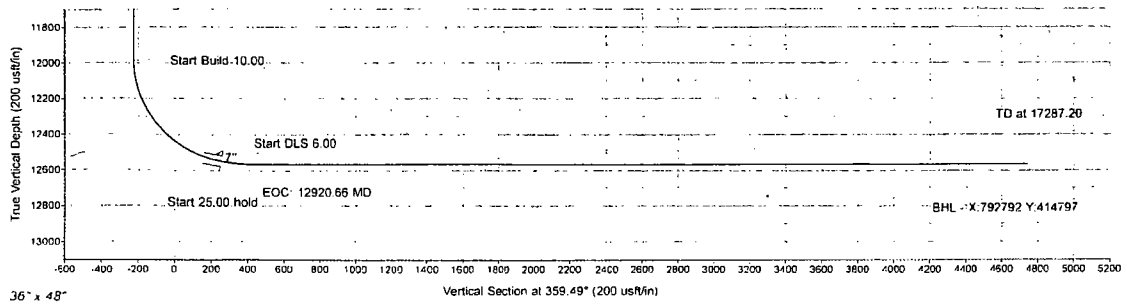
Azimuths to Grid North
True North: -0.50°
Magnetic North: 6.30°

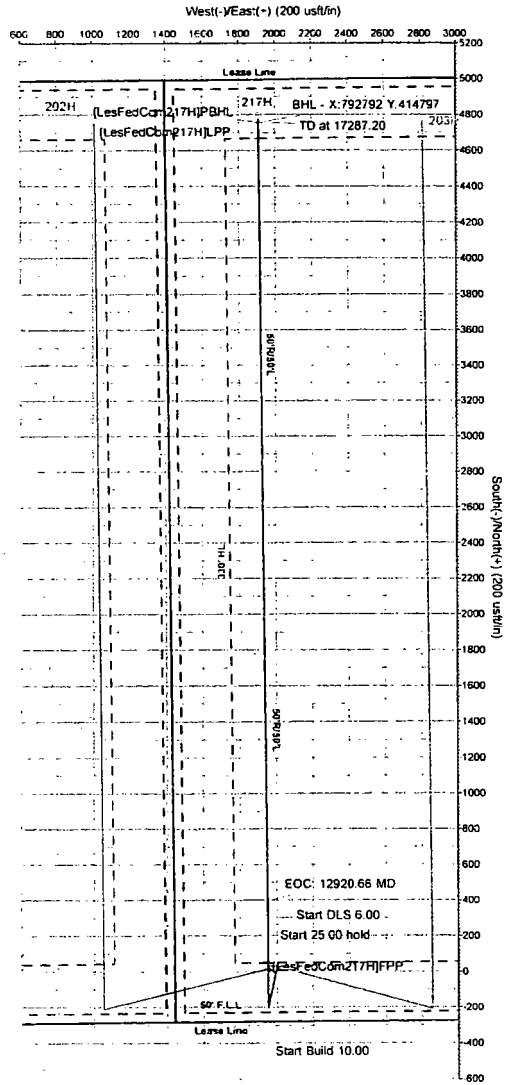
Magnetic Field
Strength: 48042.9nT
Dip Angle: 59.87°
Date: 3/7/2017
Model: HDGM

Azimuth Corrections
Total Magnetic Corr (M to G): 6.30°
Declination (M to T): 6.80° East







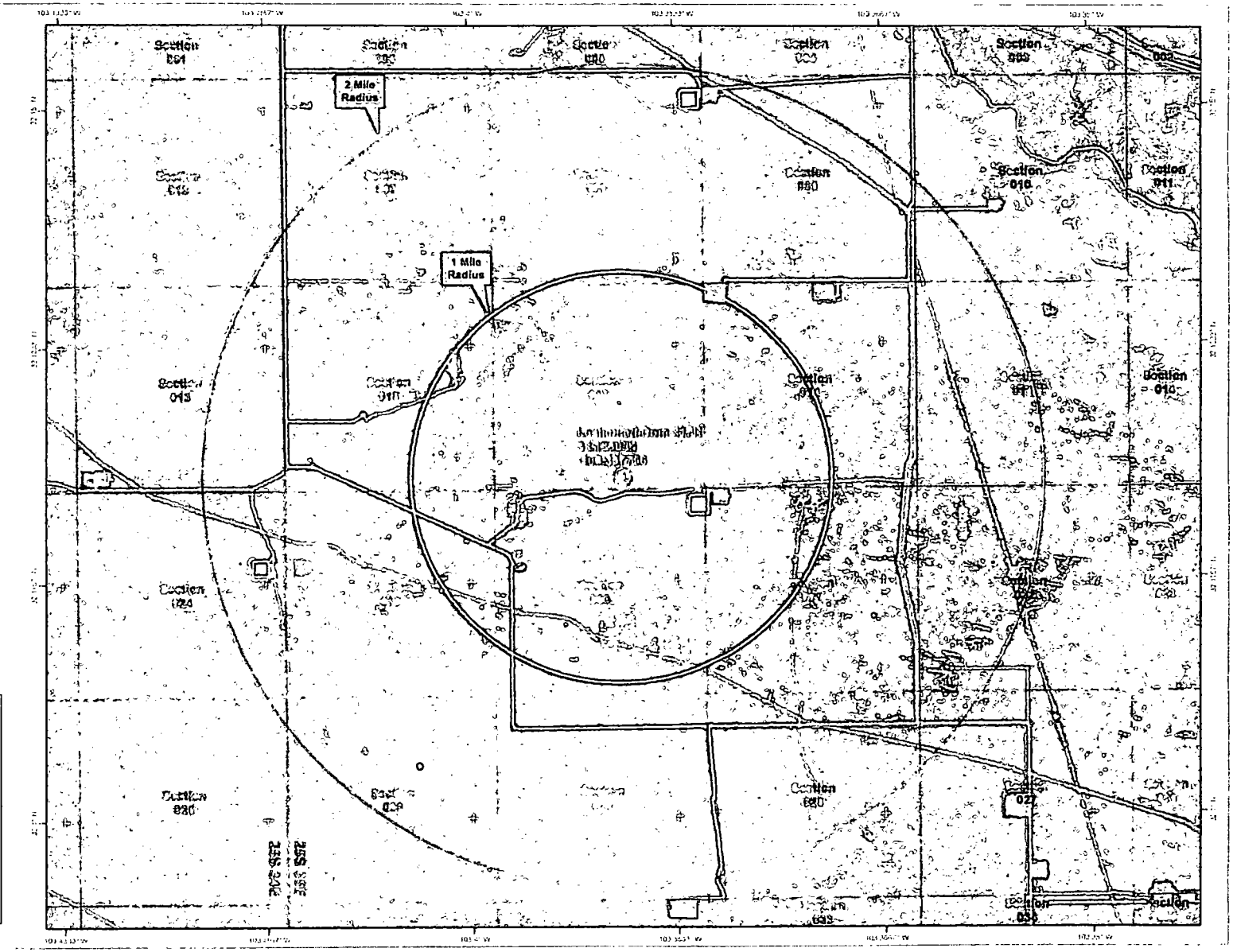


36" x 48"

Matador Production Company

Leslie Fed Com #217H
H_2S Contingency Plan:
2 Mile Radius Map

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



Surface Hole Location

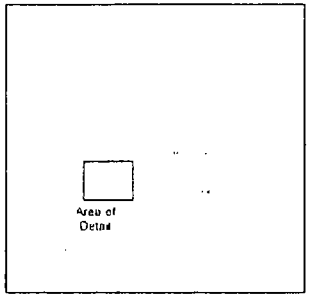
1:27,000
0 0.25 0.5 1
Miles

N

NAD 1983 New Mexico State Plane East
FIPS 3001 Feet

PERMITS WEST

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



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:	217H	**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	217H					
Well Position	**+N/-S**	19.00 usft	**Northing:**	410,058.00 usft	**Latitude:**	32° 7' 25.792 N
	+E/-W	1,998.00 usft	**Easting:**	792,879.00 usft	**Longitude:**	103° 23' 14.249 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	1,998.00	359.49	

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,492.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,492.00	12,795.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,795.00	17,281.54	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	1,998.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	19.00	1,998.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	19.00	1,998.00	0.00	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL:3279' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL:3279' + KB:29')
Well:	217H	**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	0.00	0.00	900.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	19.00	1,998.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	19.00	1,998.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	19.00	1,998.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	19.00	1,998.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	19.00	1,998.00	0.00	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3308.00usft (GL:3279' + KB:29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3308.00usft (GL:3279' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.00	0.00	0.00	5,200.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,492.00	0.00	0.00	5,492.00	19.00	1,998.00	0.00	0.00	0.00	0.00
9 5/8"									
5,500.00	0.00	0.00	5,500.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	19.00	1,998.00	0.00	0.00	0.00	0.00
5,900.00	1.50	191.31	5,899.99	17.72	1,997.74	-1.28	1.50	1.50	0.00
6,000.00	3.00	191.31	5,999.91	13.87	1,996.97	-5.12	1.50	1.50	0.00
6,100.00	4.50	191.31	6,099.69	7.45	1,995.69	-11.53	1.50	1.50	0.00
6,133.33	5.00	191.31	6,132.91	4.75	1,995.15	-14.23	1.50	1.50	0.00
6,200.00	5.00	191.31	6,199.32	-0.95	1,994.01	-19.91	0.00	0.00	0.00
6,300.00	5.00	191.31	6,298.94	-9.50	1,992.30	-28.44	0.00	0.00	0.00
6,400.00	5.00	191.31	6,398.56	-18.04	1,990.59	-36.98	0.00	0.00	0.00
6,500.00	5.00	191.31	6,498.18	-26.59	1,988.88	-45.51	0.00	0.00	0.00
6,600.00	5.00	191.31	6,597.80	-35.14	1,987.17	-54.04	0.00	0.00	0.00
6,700.00	5.00	191.31	6,697.42	-43.68	1,985.46	-62.57	0.00	0.00	0.00
6,800.00	5.00	191.31	6,797.04	-52.23	1,983.75	-71.10	0.00	0.00	0.00
6,900.00	5.00	191.31	6,896.66	-60.77	1,982.05	-79.63	0.00	0.00	0.00
7,000.00	5.00	191.31	6,996.28	-69.32	1,980.34	-88.16	0.00	0.00	0.00
7,100.00	5.00	191.31	7,095.90	-77.87	1,978.63	-96.69	0.00	0.00	0.00
7,200.00	5.00	191.31	7,195.52	-86.41	1,976.92	-105.22	0.00	0.00	0.00
7,300.00	5.00	191.31	7,295.14	-94.96	1,975.21	-113.75	0.00	0.00	0.00
7,400.00	5.00	191.31	7,394.76	-103.51	1,973.50	-122.28	0.00	0.00	0.00
7,500.00	5.00	191.31	7,494.38	-112.05	1,971.79	-130.81	0.00	0.00	0.00
7,600.00	5.00	191.31	7,594.00	-120.60	1,970.08	-139.34	0.00	0.00	0.00
7,700.00	5.00	191.31	7,693.62	-129.15	1,968.37	-147.88	0.00	0.00	0.00
7,800.00	5.00	191.31	7,793.24	-137.69	1,966.66	-156.41	0.00	0.00	0.00
7,900.00	5.00	191.31	7,892.85	-146.24	1,964.95	-164.94	0.00	0.00	0.00
8,000.00	5.00	191.31	7,992.47	-154.78	1,963.24	-173.47	0.00	0.00	0.00
8,100.00	5.00	191.31	8,092.09	-163.33	1,961.53	-182.00	0.00	0.00	0.00
8,200.00	5.00	191.31	8,191.71	-171.88	1,959.82	-190.53	0.00	0.00	0.00
8,300.00	5.00	191.31	8,291.33	-180.42	1,958.12	-199.06	0.00	0.00	0.00
8,400.00	5.00	191.31	8,390.95	-188.97	1,956.41	-207.59	0.00	0.00	0.00
8,432.50	5.00	191.31	8,423.33	-191.75	1,955.85	-210.36	0.00	0.00	0.00
8,500.00	3.99	191.31	8,490.62	-196.93	1,954.81	-215.54	1.50	-1.50	0.00
8,600.00	2.49	191.31	8,590.46	-202.47	1,953.71	-221.07	1.50	-1.50	0.00
8,700.00	0.99	191.31	8,690.41	-205.44	1,953.11	-224.04	1.50	-1.50	0.00
8,765.83	0.00	0.00	8,756.24	-206.00	1,953.00	-224.59	1.50	-1.50	0.00
8,800.00	0.00	0.00	8,790.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
8,900.00	0.00	0.00	8,890.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,000.00	0.00	0.00	8,990.41	-206.00	1,953.00	-224.59	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:	217H	**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)
9,100.00	0.00	0.00	9,090.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,200.00	0.00	0.00	9,190.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,300.00	0.00	0.00	9,290.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,400.00	0.00	0.00	9,390.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,500.00	0.00	0.00	9,490.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,600.00	0.00	0.00	9,590.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,700.00	0.00	0.00	9,690.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,800.00	0.00	0.00	9,790.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
9,900.00	0.00	0.00	9,890.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,000.00	0.00	0.00	9,990.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,100.00	0.00	0.00	10,090.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,200.00	0.00	0.00	10,190.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,300.00	0.00	0.00	10,290.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,400.00	0.00	0.00	10,390.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,500.00	0.00	0.00	10,490.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,600.00	0.00	0.00	10,590.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,700.00	0.00	0.00	10,690.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,800.00	0.00	0.00	10,790.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
10,900.00	0.00	0.00	10,890.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,000.00	0.00	0.00	10,990.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,100.00	0.00	0.00	11,090.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,200.00	0.00	0.00	11,190.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,300.00	0.00	0.00	11,290.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,400.00	0.00	0.00	11,390.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,500.00	0.00	0.00	11,490.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,600.00	0.00	0.00	11,590.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,700.00	0.00	0.00	11,690.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,800.00	0.00	0.00	11,790.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,900.00	0.00	0.00	11,890.41	-206.00	1,953.00	-224.59	0.00	0.00	0.00
11,989.60	0.00	0.00	11,980.00	-206.00	1,953.00	-224.59	0.00	0.00	0.00
12,000.00	1.04	359.70	11,990.40	-205.91	1,953.00	-224.50	10.00	10.00	0.00
12,050.00	6.04	359.70	12,040.29	-202.82	1,952.98	-221.41	10.00	10.00	0.00
12,100.00	11.04	359.70	12,089.72	-195.40	1,952.94	-213.99	10.00	10.00	0.00
12,150.00	16.04	359.70	12,138.32	-183.69	1,952.88	-202.28	10.00	10.00	0.00
12,200.00	21.04	359.70	12,185.71	-167.80	1,952.80	-186.39	10.00	10.00	0.00
12,250.00	26.04	359.70	12,231.53	-147.84	1,952.70	-166.43	10.00	10.00	0.00
12,300.00	31.04	359.70	12,275.44	-123.96	1,952.57	-142.55	10.00	10.00	0.00
12,350.00	36.04	359.70	12,317.10	-96.34	1,952.43	-114.93	10.00	10.00	0.00
12,400.00	41.04	359.70	12,356.20	-65.19	1,952.26	-83.78	10.00	10.00	0.00
12,450.00	46.04	359.70	12,392.43	-30.76	1,952.08	-49.35	10.00	10.00	0.00
12,500.00	51.04	359.70	12,425.53	6.70	1,951.89	-11.89	10.00	10.00	0.00
12,550.00	56.04	359.70	12,455.23	46.90	1,951.68	28.31	10.00	10.00	0.00
12,600.00	61.04	359.70	12,481.32	89.53	1,951.45	70.94	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:	217H	**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	66.04	359.70	12,503.59	134.28	1,951.22	115.69	10.00	10.00	0.00
12,700.00	71.04	359.70	12,521.87	180.80	1,950.97	162.21	10.00	10.00	0.00
12,750.00	76.04	359.70	12,536.04	228.73	1,950.72	210.15	10.00	10.00	0.00
12,789.60	80.00	359.70	12,544.25	267.46	1,950.52	248.87	10.00	10.00	0.00
12,795.00	80.00	359.70	12,545.19	272.78	1,950.49	254.19	0.00	0.00	0.00
7"									
12,800.00	80.00	359.70	12,546.06	277.71	1,950.47	259.12	0.00	0.00	0.00
12,814.60	80.00	359.70	12,548.59	292.08	1,950.39	273.49	0.00	0.00	0.00
12,850.00	82.12	359.65	12,554.10	327.05	1,950.20	308.46	6.00	6.00	-0.13
12,900.00	85.12	359.59	12,559.65	376.73	1,949.87	358.15	6.00	6.00	-0.13
12,950.00	88.12	359.53	12,562.59	426.64	1,949.49	408.06	6.00	6.00	-0.12
12,981.32	90.00	359.49	12,563.11	457.95	1,949.22	439.37	6.00	6.00	-0.12
13,000.00	90.00	359.49	12,563.10	476.63	1,949.05	458.05	0.00	0.00	0.00
13,100.00	90.00	359.49	12,563.10	576.63	1,948.16	558.05	0.00	0.00	0.00
13,200.00	90.00	359.49	12,563.10	676.63	1,947.27	658.05	0.00	0.00	0.00
13,300.00	90.00	359.49	12,563.10	776.62	1,946.39	758.05	0.00	0.00	0.00
13,400.00	90.00	359.49	12,563.10	876.62	1,945.50	858.05	0.00	0.00	0.00
13,500.00	90.00	359.49	12,563.09	976.61	1,944.61	958.05	0.00	0.00	0.00
13,600.00	90.00	359.49	12,563.09	1,076.61	1,943.72	1,058.05	0.00	0.00	0.00
13,700.00	90.00	359.49	12,563.09	1,176.61	1,942.83	1,158.05	0.00	0.00	0.00
13,800.00	90.00	359.49	12,563.09	1,276.60	1,941.94	1,258.05	0.00	0.00	0.00
13,900.00	90.00	359.49	12,563.08	1,376.60	1,941.05	1,358.05	0.00	0.00	0.00
14,000.00	90.00	359.49	12,563.08	1,476.59	1,940.16	1,458.05	0.00	0.00	0.00
14,100.00	90.00	359.49	12,563.08	1,576.59	1,939.28	1,558.05	0.00	0.00	0.00
14,200.00	90.00	359.49	12,563.08	1,676.59	1,938.39	1,658.05	0.00	0.00	0.00
14,300.00	90.00	359.49	12,563.07	1,776.58	1,937.50	1,758.05	0.00	0.00	0.00
14,400.00	90.00	359.49	12,563.07	1,876.58	1,936.61	1,858.05	0.00	0.00	0.00
14,500.00	90.00	359.49	12,563.07	1,976.57	1,935.72	1,958.05	0.00	0.00	0.00
14,600.00	90.00	359.49	12,563.07	2,076.57	1,934.83	2,058.05	0.00	0.00	0.00
14,700.00	90.00	359.49	12,563.06	2,176.57	1,933.94	2,158.05	0.00	0.00	0.00
14,800.00	90.00	359.49	12,563.06	2,276.56	1,933.05	2,258.05	0.00	0.00	0.00
14,900.00	90.00	359.49	12,563.06	2,376.56	1,932.17	2,358.05	0.00	0.00	0.00
15,000.00	90.00	359.49	12,563.06	2,476.55	1,931.28	2,458.05	0.00	0.00	0.00
15,100.00	90.00	359.49	12,563.05	2,576.55	1,930.39	2,558.05	0.00	0.00	0.00
15,200.00	90.00	359.49	12,563.05	2,676.55	1,929.50	2,658.05	0.00	0.00	0.00
15,300.00	90.00	359.49	12,563.05	2,776.54	1,928.61	2,758.05	0.00	0.00	0.00
15,400.00	90.00	359.49	12,563.05	2,876.54	1,927.72	2,858.05	0.00	0.00	0.00
15,500.00	90.00	359.49	12,563.04	2,976.53	1,926.83	2,958.05	0.00	0.00	0.00
15,600.00	90.00	359.49	12,563.04	3,076.53	1,925.94	3,058.05	0.00	0.00	0.00
15,700.00	90.00	359.49	12,563.04	3,176.53	1,925.06	3,158.05	0.00	0.00	0.00
15,800.00	90.00	359.49	12,563.04	3,276.52	1,924.17	3,258.05	0.00	0.00	0.00
15,900.00	90.00	359.49	12,563.03	3,376.52	1,923.28	3,358.05	0.00	0.00	0.00
16,000.00	90.00	359.49	12,563.03	3,476.51	1,922.39	3,458.05	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:	217H	**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)
16,100.00	90.00	359.49	12,563.03	3,576.51	1,921.50	3,558.05	0.00	0.00	0.00
16,200.00	90.00	359.49	12,563.03	3,676.51	1,920.61	3,658.05	0.00	0.00	0.00
16,300.00	90.00	359.49	12,563.02	3,776.50	1,919.72	3,758.05	0.00	0.00	0.00
16,400.00	90.00	359.49	12,563.02	3,876.50	1,918.83	3,858.05	0.00	0.00	0.00
16,500.00	90.00	359.49	12,563.02	3,976.50	1,917.95	3,958.05	0.00	0.00	0.00
16,600.00	90.00	359.49	12,563.02	4,076.49	1,917.06	4,058.05	0.00	0.00	0.00
16,700.00	90.00	359.49	12,563.01	4,176.49	1,916.17	4,158.05	0.00	0.00	0.00
16,800.00	90.00	359.49	12,563.01	4,276.48	1,915.28	4,258.05	0.00	0.00	0.00
16,900.00	90.00	359.49	12,563.01	4,376.48	1,914.39	4,358.05	0.00	0.00	0.00
17,000.00	90.00	359.49	12,563.01	4,476.48	1,913.50	4,458.05	0.00	0.00	0.00
17,100.00	90.00	359.49	12,563.00	4,576.47	1,912.61	4,558.05	0.00	0.00	0.00
17,200.00	90.00	359.49	12,563.00	4,676.47	1,911.72	4,658.05	0.00	0.00	0.00
17,281.54	90.00	359.49	12,563.00	4,758.00	1,911.00	4,739.59	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
[LesFedCom217H]FPP	0.00	0.00	0.00	49.00	1,953.00	410,088.00	792,834.00	32° 7' 26.093 N	103° 23' 14.769 W
- plan misses target center by 54.08usft at 0.00usft MD (0.00 TVD, 19.00 N, 1998.00 E)									
- Point									
[LesFedCom217H]LPP	0.00	0.00	0.00	4,668.00	1,912.00	414,707.00	792,793.00	32° 8' 11.802 N	103° 23' 14.774 W
- plan misses target center by 4649.80usft at 0.00usft MD (0.00 TVD, 19.00 N, 1998.00 E)									
- Point									
[LesFedCom217H]PBHL	0.00	0.00	12,563.00	4,758.00	1,911.00	414,797.00	792,792.00	32° 8' 12.693 N	103° 23' 14.777 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,492.00	5,492.00	9 5/8"	9-5/8	12-1/4
12,795.00	12,545.19	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:	217H	**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
5800	5800	19	1998	Start Build 1.50
6133	6133	5	1995	Start 2299.17 hold
8432	8423	-192	1956	Start Drop -1.50
8766	8756	-206	1953	Start 3229.76 hold
11,996	11,986	-206	1953	Start Build 10.00
12,796	12,545	273	1950	Start 25.00 hold
12,821	12,550	298	1950	Start DLS 6.00
12,921	12,561	397	1950	EOC: 12920.66 MD
17,280	12,563	4756	1911	BHL - X:792792 Y:414797
17,281	12,563	4758	1911	TD at 17287.20

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:	217H	**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	5,492.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,492.00	12,795.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
12,795.00	17,281.54	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	7,314.87	7,276.12	4,434.33	4,393.48	108.535	CC
203H - OH - Prelim Plan A	17,281.54	17,297.70	4,500.18	4,329.92	26.431	ES, SF
214H - OH - Prelim Plan A	11,989.60	12,073.05	3,601.17	3,540.64	59.495	CC
214H - OH - Prelim Plan A	17,281.54	17,470.47	3,601.52	3,430.78	21.094	ES, SF
217H - OH - Prelim Plan A	509.08	562.08	4,462.24	4,458.86	1,321.221	CC
217H - OH - Prelim Plan A	600.00	624.48	4,462.41	4,458.48	1,136.919	ES
217H - OH - Prelim Plan A	17,281.54	17,479.15	5,401.06	5,230.29	31.627	SF
Leslie Fed Com						
201H - OH - Prelim Plan A	700.98	732.98	1,998.09	1,993.41	427.133	CC
201H - OH - Prelim Plan A	800.00	821.30	1,998.18	1,992.83	373.694	ES
201H - OH - Prelim Plan A	17,281.54	17,237.10	2,701.99	2,534.21	16.105	SF
202H - OH - Prelim Plan A	600.00	600.00	30.00	26.16	7.814	CC, ES
202H - OH - Prelim Plan A	17,281.54	17,235.48	904.52	737.20	5.406	SF
203H - OH - Prelim Plan A	1,200.00	1,200.00	30.02	21.88	3.687	CC, ES
203H - OH - Prelim Plan A	1,300.00	1,299.23	31.26	22.42	3.535	SF
214H - Prelim Plan A - Prelim Plan A	4,800.00	4,775.00	1,563.14	1,529.28	46.163	CC
214H - Prelim Plan A - Prelim Plan A	4,900.00	4,863.26	1,563.42	1,528.90	45.285	ES
214H - Prelim Plan A - Prelim Plan A	17,281.54	17,296.76	1,800.09	1,633.22	10.787	SF
215H - OH - Prelim Plan A	12,367.79	12,404.32	1,800.07	1,738.09	29.041	CC
215H - OH - Prelim Plan A	17,281.54	17,305.74	1,800.08	1,632.24	10.725	ES, 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	-93.10	-222.00	-2,456.00	4,460.52				
100.00	100.00	153.00	153.00	0.13	0.32	-93.10	-222.00	-2,456.00	4,460.52	4,460.07	0.44	N/A	
200.00	200.00	253.00	253.00	0.49	0.68	-93.10	-222.00	-2,456.00	4,460.52	4,459.35	1.16	3,840.478	
300.00	300.00	353.00	353.00	0.84	1.03	-93.10	-222.00	-2,456.00	4,460.52	4,458.64	1.88	2,374.647	
400.00	400.00	453.00	453.00	1.20	1.39	-93.10	-222.00	-2,456.00	4,460.52	4,457.92	2.60	1,718.667	
500.00	500.00	553.00	553.00	1.56	1.75	-93.10	-222.00	-2,456.00	4,460.52	4,457.20	3.31	1,346.661	

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:	217H	**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
600.00	600.00	653.00	653.00	1.92	2.11	-93.10	-222.00	-2,456.00	4,460.52	4,456.49	4.03	1,107.042	
700.00	700.00	753.00	753.00	2.28	2.47	-93.10	-222.00	-2,456.00	4,460.52	4,455.77	4.75	939.815	
800.00	800.00	853.00	853.00	2.64	2.83	-93.10	-222.00	-2,456.00	4,460.52	4,455.05	5.46	816.480	
900.00	900.00	953.00	953.00	3.00	3.19	-93.10	-222.00	-2,456.00	4,460.52	4,454.34	6.18	721.760	
1,000.00	1,000.00	1,053.00	1,053.00	3.35	3.54	-93.10	-222.00	-2,456.00	4,460.52	4,453.62	6.90	646.733	
1,100.00	1,100.00	1,153.00	1,153.00	3.71	3.90	-93.10	-222.00	-2,456.00	4,460.52	4,452.90	7.61	585.836	
1,200.00	1,200.00	1,253.00	1,253.00	4.07	4.26	-93.10	-222.00	-2,456.00	4,460.52	4,452.18	8.33	535.420	
1,300.00	1,300.00	1,353.00	1,353.00	4.43	4.62	-93.10	-222.00	-2,456.00	4,460.52	4,451.47	9.05	492.993	
1,400.00	1,400.00	1,453.00	1,453.00	4.79	4.98	-93.10	-222.00	-2,456.00	4,460.52	4,450.75	9.76	456.797	
1,500.00	1,500.00	1,553.00	1,553.00	5.15	5.34	-93.10	-222.00	-2,456.00	4,460.52	4,450.03	10.48	425.552	
1,600.00	1,600.00	1,653.00	1,653.00	5.50	5.69	-93.10	-222.00	-2,456.00	4,460.52	4,449.32	11.20	398.308	
1,700.00	1,700.00	1,753.00	1,753.00	5.86	6.05	-93.10	-222.00	-2,456.00	4,460.52	4,448.60	11.92	374.343	
1,800.00	1,800.00	1,853.00	1,853.00	6.22	6.41	-93.10	-222.00	-2,456.00	4,460.52	4,447.88	12.63	353.097	
1,900.00	1,900.00	1,953.00	1,953.00	6.58	6.77	-93.10	-222.00	-2,456.00	4,460.52	4,447.17	13.35	334.134	
2,000.00	2,000.00	2,053.00	2,053.00	6.94	7.13	-93.10	-222.00	-2,456.00	4,460.52	4,446.45	14.07	317.104	
2,100.00	2,100.00	2,153.00	2,153.00	7.30	7.49	-93.10	-222.00	-2,456.00	4,460.52	4,445.73	14.78	301.725	
2,200.00	2,200.00	2,253.00	2,253.00	7.66	7.85	-93.10	-222.00	-2,456.00	4,460.52	4,445.02	15.50	287.769	
2,300.00	2,300.00	2,353.00	2,353.00	8.01	8.20	-93.10	-222.00	-2,456.00	4,460.52	4,444.30	16.22	275.048	
2,400.00	2,400.00	2,453.00	2,453.00	8.37	8.56	-93.10	-222.00	-2,456.00	4,460.52	4,443.58	16.93	263.403	
2,500.00	2,500.00	2,553.00	2,553.00	8.73	8.92	-93.10	-222.00	-2,456.00	4,460.52	4,442.86	17.65	252.704	
2,600.00	2,600.00	2,653.00	2,653.00	9.09	9.28	-93.10	-222.00	-2,456.00	4,460.52	4,442.15	18.37	242.841	
2,700.00	2,700.00	2,753.00	2,753.00	9.45	9.64	-93.10	-222.00	-2,456.00	4,460.52	4,441.43	19.09	233.718	
2,800.00	2,800.00	2,853.00	2,853.00	9.81	10.00	-93.10	-222.00	-2,456.00	4,460.52	4,440.71	19.80	225.256	
2,900.00	2,900.00	2,953.00	2,953.00	10.16	10.35	-93.10	-222.00	-2,456.00	4,460.52	4,440.00	20.52	217.386	
3,000.00	3,000.00	3,053.00	3,053.00	10.52	10.71	-93.10	-222.00	-2,456.00	4,460.52	4,439.28	21.24	210.046	
3,100.00	3,100.00	3,153.00	3,153.00	10.88	11.07	-93.10	-222.00	-2,456.00	4,460.52	4,438.56	21.95	203.187	
3,200.00	3,200.00	3,253.00	3,253.00	11.24	11.43	-93.10	-222.00	-2,456.00	4,460.52	4,437.85	22.67	196.761	
3,300.00	3,300.00	3,353.00	3,353.00	11.60	11.79	-93.10	-222.00	-2,456.00	4,460.52	4,437.13	23.39	190.729	
3,400.00	3,400.00	3,453.00	3,453.00	11.96	12.15	-93.10	-222.00	-2,456.00	4,460.52	4,436.41	24.10	185.056	
3,500.00	3,500.00	3,553.00	3,553.00	12.32	12.51	-93.10	-222.00	-2,456.00	4,460.52	4,435.69	24.82	179.710	
3,600.00	3,600.00	3,653.00	3,653.00	12.67	12.86	-93.10	-222.00	-2,456.00	4,460.52	4,434.98	25.54	174.665	
3,700.00	3,700.00	3,753.00	3,753.00	13.03	13.22	-93.10	-222.00	-2,456.00	4,460.52	4,434.26	26.25	169.896	
3,800.00	3,800.00	3,853.00	3,853.00	13.39	13.58	-93.10	-222.00	-2,456.00	4,460.52	4,433.54	26.97	165.379	
3,900.00	3,900.00	3,953.00	3,953.00	13.75	13.94	-93.10	-222.00	-2,456.00	4,460.52	4,432.83	27.69	161.097	
4,000.00	4,000.00	4,053.00	4,053.00	14.11	14.30	-93.10	-222.00	-2,456.00	4,460.52	4,432.11	28.41	157.031	
4,100.00	4,100.00	4,153.00	4,153.00	14.47	14.66	-93.10	-222.00	-2,456.00	4,460.52	4,431.39	29.12	153.165	
4,200.00	4,200.00	4,253.00	4,253.00	14.82	15.01	-93.10	-222.00	-2,456.00	4,460.52	4,430.68	29.84	149.485	
4,300.00	4,300.00	4,353.00	4,353.00	15.18	15.37	-93.10	-222.00	-2,456.00	4,460.52	4,429.96	30.56	145.978	
4,400.00	4,400.00	4,453.00	4,453.00	15.54	15.73	-93.10	-222.00	-2,456.00	4,460.52	4,429.24	31.27	142.631	
4,500.00	4,500.00	4,553.00	4,553.00	15.90	16.09	-93.10	-222.00	-2,456.00	4,460.52	4,428.53	31.99	139.435	
4,600.00	4,600.00	4,653.00	4,653.00	16.26	16.45	-93.10	-222.00	-2,456.00	4,460.52	4,427.81	32.71	136.378	
4,700.00	4,700.00	4,753.00	4,753.00	16.62	16.81	-93.10	-222.00	-2,456.00	4,460.52	4,427.09	33.42	133.453	
4,800.00	4,800.00	4,853.00	4,853.00	16.98	17.17	-93.10	-222.00	-2,456.00	4,460.52	4,426.37	34.14	130.650	
4,900.00	4,900.00	4,953.00	4,953.00	17.33	17.52	-93.10	-222.00	-2,456.00	4,460.52	4,425.66	34.86	127.963	
5,000.00	5,000.00	5,053.00	5,053.00	17.69	17.88	-93.10	-222.00	-2,456.00	4,460.52	4,424.94	35.57	125.384	
5,100.00	5,100.00	5,153.00	5,153.00	18.05	18.24	-93.10	-222.00	-2,456.00	4,460.52	4,424.22	36.29	122.907	
5,200.00	5,200.00	5,253.00	5,253.00	18.41	18.60	-93.10	-222.00	-2,456.00	4,460.52	4,423.51	37.01	120.526	
5,300.00	5,300.00	5,353.00	5,353.00	18.77	18.96	-93.10	-222.00	-2,456.00	4,460.52	4,422.79	37.73	118.236	
5,400.00	5,400.00	5,453.00	5,453.00	19.13	19.22	-93.10	-222.00	-2,456.00	4,460.52	4,422.17	38.35	116.317	
5,500.00	5,500.00	5,553.00	5,553.00	19.31	19.31	-93.10	-222.00	-2,456.00	4,460.52	4,421.90	38.62	115.509	
5,600.00	5,600.00	5,653.00	5,653.00	19.31	19.32	-93.10	-222.00	-2,456.00	4,460.52	4,421.88	38.63	115.459	
5,700.00	5,700.00	5,753.00	5,753.00	19.33	19.34	-93.10	-222.00	-2,456.00	4,460.52	4,421.85	38.66	115.369	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,800.00	5,800.00	5,853.00	5,853.00	19.35	19.36	-93.10	-222.00	-2,456.00	4,460.52	4,421.81	38.71	115.239	
5,900.00	5,899.99	5,952.99	5,952.99	19.37	19.39	75.61	-222.00	-2,456.00	4,460.19	4,421.43	38.76	115.067	
6,000.00	5,999.91	6,052.91	6,052.91	19.40	19.43	75.68	-222.00	-2,456.00	4,459.22	4,420.39	38.83	114.843	
6,100.00	6,099.69	6,152.69	6,152.69	19.44	19.47	75.78	-222.00	-2,456.00	4,457.60	4,418.69	38.91	114.563	
6,133.33	6,132.91	6,185.91	6,185.91	19.45	19.49	75.83	-222.00	-2,456.00	4,456.92	4,417.98	38.94	114.459	
6,200.00	6,199.32	6,252.32	6,252.32	19.48	19.52	75.90	-222.00	-2,456.00	4,455.50	4,416.49	39.00	114.232	
6,300.00	6,298.94	6,351.94	6,351.94	19.54	19.58	76.01	-222.00	-2,456.00	4,453.37	4,414.26	39.11	113.861	
6,400.00	6,398.56	6,451.56	6,451.56	19.60	19.64	76.11	-222.00	-2,456.00	4,451.27	4,412.03	39.23	113.453	
6,500.00	6,498.18	6,551.18	6,551.18	19.67	19.71	76.22	-222.00	-2,456.00	4,449.18	4,409.81	39.37	113.008	
6,600.00	6,597.80	6,650.80	6,650.80	19.74	19.78	76.33	-222.00	-2,456.00	4,447.10	4,407.58	39.52	112.528	
6,700.00	6,697.42	6,750.42	6,750.42	19.82	19.86	76.44	-222.00	-2,456.00	4,445.04	4,405.36	39.68	112.015	
6,800.00	6,797.04	6,850.04	6,850.04	19.91	19.95	76.55	-222.00	-2,456.00	4,443.00	4,403.14	39.86	111.469	
6,900.00	6,896.66	6,949.66	6,949.66	20.01	20.04	76.66	-222.00	-2,456.00	4,440.97	4,400.93	40.05	110.893	
7,000.00	6,996.28	7,049.28	7,049.28	20.11	20.14	76.77	-222.00	-2,456.00	4,438.96	4,398.71	40.25	110.287	
7,100.00	7,095.90	7,148.90	7,148.90	20.22	20.24	76.88	-222.00	-2,456.00	4,436.97	4,396.50	40.46	109.653	
7,200.00	7,195.52	7,222.66	7,222.65	20.34	20.32	76.96	-222.01	-2,456.07	4,435.13	4,394.47	40.66	109.079	
7,300.00	7,295.14	7,269.19	7,269.19	20.46	20.38	77.01	-222.13	-2,456.61	4,434.35	4,393.52	40.83	108.604	
7,314.87	7,309.96	7,276.12	7,276.11	20.48	20.38	77.01	-222.16	-2,458.74	4,434.33	4,393.48	40.86	108.535	CC
7,400.00	7,394.76	7,300.00	7,299.99	20.59	20.41	77.04	-222.28	-2,457.28	4,434.83	4,393.85	40.98	108.212	
7,500.00	7,494.38	7,362.32	7,362.27	20.73	20.48	77.10	-222.73	-2,459.37	4,436.40	4,395.22	41.18	107.731	
7,600.00	7,594.00	7,400.00	7,399.91	20.87	20.52	77.14	-223.11	-2,461.12	4,439.26	4,397.92	41.35	107.367	
7,700.00	7,693.62	7,455.40	7,455.21	21.02	20.59	77.19	-223.81	-2,464.34	4,443.29	4,401.74	41.54	106.954	
7,800.00	7,793.24	7,500.00	7,499.69	21.18	20.64	77.23	-224.50	-2,467.51	4,448.54	4,406.81	41.73	106.609	
7,900.00	7,892.85	7,555.52	7,564.97	21.34	20.72	77.29	-225.68	-2,472.94	4,454.92	4,412.97	41.95	106.191	
8,000.00	7,992.47	7,655.06	7,664.14	21.50	20.85	77.38	-227.53	-2,481.42	4,461.59	4,419.34	42.25	105.612	
8,100.00	8,092.09	7,764.61	7,763.30	21.68	20.99	77.47	-229.37	-2,489.90	4,468.26	4,425.72	42.55	105.014	
8,200.00	8,191.71	7,864.15	7,862.47	21.85	21.13	77.55	-231.21	-2,498.38	4,474.95	4,432.09	42.86	104.399	
8,300.00	8,291.33	7,963.70	7,961.64	22.04	21.28	77.64	-233.05	-2,506.86	4,481.65	4,438.46	43.19	103.767	
8,400.00	8,390.95	8,063.24	8,060.80	22.23	21.43	77.73	-234.90	-2,515.33	4,488.36	4,444.83	43.53	103.120	
8,432.50	8,423.33	8,104.41	8,093.03	22.29	21.49	77.76	-235.50	-2,518.09	4,490.54	4,446.89	43.65	102.876	
8,500.00	8,490.62	8,162.81	8,159.99	22.42	21.59	77.87	-236.74	-2,523.81	4,495.20	4,451.33	43.87	102.465	
8,600.00	8,590.46	8,647.14	8,643.46	22.61	22.42	78.20	-242.00	-2,548.00	4,501.88	4,456.92	44.96	100.125	
8,700.00	8,690.41	8,747.10	8,743.41	22.80	22.60	78.23	-242.00	-2,548.00	4,501.26	4,455.93	45.33	99.298	
8,765.83	8,756.24	8,812.93	8,809.24	22.91	22.72	-90.46	-242.00	-2,548.00	4,501.14	4,455.58	45.57	98.779	
8,800.00	8,790.41	8,847.09	8,843.41	22.97	22.78	-90.46	-242.00	-2,548.00	4,501.14	4,455.45	45.69	98.516	
8,900.00	8,890.41	8,947.09	8,943.41	23.14	22.97	-90.46	-242.00	-2,548.00	4,501.14	4,455.09	46.05	97.745	
9,000.00	8,990.41	9,047.09	9,043.41	23.32	23.16	-90.46	-242.00	-2,548.00	4,501.14	4,454.73	46.42	96.969	
9,100.00	9,090.41	9,147.09	9,143.41	23.50	23.36	-90.46	-242.00	-2,548.00	4,501.14	4,454.35	46.80	96.188	
9,200.00	9,190.41	9,247.09	9,243.41	23.68	23.56	-90.46	-242.00	-2,548.00	4,501.14	4,453.96	47.18	95.404	
9,300.00	9,290.41	9,347.09	9,343.41	23.87	23.77	-90.46	-242.00	-2,548.00	4,501.14	4,453.57	47.57	94.618	
9,400.00	9,390.41	9,447.09	9,443.41	24.06	23.98	-90.46	-242.00	-2,548.00	4,501.14	4,453.17	47.97	93.829	
9,500.00	9,490.41	9,547.09	9,543.41	24.26	24.19	-90.46	-242.00	-2,548.00	4,501.14	4,452.77	48.38	93.040	
9,600.00	9,590.41	9,647.09	9,643.41	24.45	24.40	-90.46	-242.00	-2,548.00	4,501.14	4,452.35	48.79	92.250	
9,700.00	9,690.41	9,747.09	9,743.41	24.66	24.62	-90.46	-242.00	-2,548.00	4,501.14	4,451.93	49.21	91.461	
9,800.00	9,790.41	9,847.09	9,843.41	24.86	24.84	-90.46	-242.00	-2,548.00	4,501.14	4,451.50	49.64	90.672	
9,900.00	9,890.41	9,947.09	9,943.41	25.07	25.07	-90.46	-242.00	-2,548.00	4,501.14	4,451.07	50.08	89.885	
10,000.00	9,990.41	10,047.09	10,043.41	25.29	25.29	-90.46	-242.00	-2,548.00	4,501.14	4,450.63	50.52	89.101	
10,100.00	10,090.41	10,147.09	10,143.41	25.50	25.53	-90.46	-242.00	-2,548.00	4,501.14	4,450.18	50.96	88.319	
10,200.00	10,190.41	10,247.09	10,243.41	25.72	25.76	-90.46	-242.00	-2,548.00	4,501.14	4,449.73	51.42	87.540	
10,300.00	10,290.41	10,347.09	10,343.41	25.95	26.00	-90.46	-242.00	-2,548.00	4,501.14	4,449.27	51.88	86.765	
10,400.00	10,390.41	10,447.09	10,443.41	26.17	26.24	-90.46	-242.00	-2,548.00	4,501.14	4,448.80	52.34	85.994	
10,500.00	10,490.41	10,547.09	10,543.41	26.40	26.48	-90.46	-242.00	-2,548.00	4,501.14	4,448.33	52.81	85.228	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12808-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,600.00	10,590.41	10,647.09	10,643.41	26.63	26.72	-90.46	-242.00	-2,548.00	4,501.14	4,447.85	53.29	84.466	
10,700.00	10,690.41	10,747.09	10,743.41	26.87	26.97	-90.46	-242.00	-2,548.00	4,501.14	4,447.37	53.77	83.710	
10,800.00	10,790.41	10,847.09	10,843.41	27.10	27.22	-90.46	-242.00	-2,548.00	4,501.14	4,446.89	54.26	82.959	
10,900.00	10,890.41	10,947.09	10,943.41	27.34	27.47	-90.46	-242.00	-2,548.00	4,501.14	4,446.39	54.75	82.214	
11,000.00	10,990.41	11,047.09	11,043.41	27.58	27.73	-90.46	-242.00	-2,548.00	4,501.14	4,445.90	55.25	81.475	
11,100.00	11,090.41	11,147.09	11,143.41	27.83	27.98	-90.46	-242.00	-2,548.00	4,501.14	4,445.40	55.75	80.742	
11,200.00	11,190.41	11,247.09	11,243.41	28.08	28.24	-90.46	-242.00	-2,548.00	4,501.14	4,444.89	56.25	80.015	
11,300.00	11,290.41	11,347.09	11,343.41	28.33	28.50	-90.46	-242.00	-2,548.00	4,501.14	4,444.38	56.76	79.295	
11,400.00	11,390.41	11,447.09	11,443.41	28.58	28.77	-90.46	-242.00	-2,548.00	4,501.14	4,443.86	57.28	78.582	
11,500.00	11,490.41	11,547.09	11,543.41	28.83	29.03	-90.46	-242.00	-2,548.00	4,501.14	4,443.35	57.80	77.876	
11,600.00	11,590.41	11,647.09	11,643.41	29.09	29.30	-90.46	-242.00	-2,548.00	4,501.14	4,442.82	58.32	77.177	
11,700.00	11,690.41	11,747.09	11,743.41	29.35	29.57	-90.46	-242.00	-2,548.00	4,501.14	4,442.29	58.85	76.485	
11,800.00	11,790.41	11,847.09	11,843.41	29.61	29.84	-90.46	-242.00	-2,548.00	4,501.14	4,441.76	59.38	75.800	
11,900.00	11,890.41	11,947.09	11,943.41	29.87	30.11	-90.46	-242.00	-2,548.00	4,501.14	4,441.23	59.92	75.123	
11,989.60	11,980.00	12,037.28	12,033.59	30.11	30.36	-90.45	-241.29	-2,548.00	4,501.14	4,440.74	60.40	74.521	
12,000.00	11,990.40	12,047.89	12,044.17	30.13	30.39	-90.14	-240.66	-2,548.01	4,501.14	4,440.68	60.46	74.451	
12,050.00	12,040.29	12,098.71	12,094.65	30.26	30.53	-90.11	-234.94	-2,548.04	4,501.14	4,440.41	60.72	74.125	
12,100.00	12,089.72	12,149.29	12,144.19	30.38	30.66	-90.08	-224.84	-2,548.09	4,501.13	4,440.15	60.98	73.813	
12,150.00	12,138.32	12,199.63	12,192.43	30.50	30.80	-90.04	-210.48	-2,548.17	4,501.13	4,439.90	61.23	73.515	
12,200.00	12,185.71	12,249.74	12,239.01	30.61	30.92	-90.01	-192.04	-2,548.26	4,501.13	4,439.66	61.47	73.230	
12,213.69	12,198.43	12,263.43	12,251.43	30.64	30.95	-90.00	-186.30	-2,548.29	4,501.13	4,439.60	61.53	73.154	
12,250.00	12,231.53	12,299.62	12,283.59	30.71	31.04	-89.98	-169.71	-2,548.38	4,501.13	4,439.43	61.70	72.955	
12,300.00	12,275.44	12,349.27	12,325.87	30.81	31.16	-89.94	-143.72	-2,548.51	4,501.13	4,439.20	61.92	72.687	
12,350.00	12,317.10	12,398.69	12,365.58	30.90	31.27	-89.91	-114.31	-2,548.67	4,501.13	4,438.98	62.15	72.423	
12,400.00	12,356.20	12,447.90	12,402.44	31.00	31.40	-89.88	-81.74	-2,548.84	4,501.14	4,438.76	62.38	72.160	
12,450.00	12,392.43	12,496.90	12,436.24	31.09	31.53	-89.84	-46.29	-2,549.02	4,501.14	4,438.53	62.61	71.892	
12,500.00	12,425.53	12,545.70	12,466.77	31.19	31.67	-89.81	-8.24	-2,549.22	4,501.15	4,438.30	62.85	71.618	
12,550.00	12,455.23	12,594.31	12,493.85	31.29	31.82	-89.79	32.12	-2,549.44	4,501.16	4,438.06	63.10	71.332	
12,600.00	12,481.32	12,642.75	12,517.34	31.40	31.97	-89.76	74.46	-2,549.66	4,501.17	4,437.80	63.37	71.033	
12,650.00	12,503.59	12,691.03	12,537.11	31.52	32.14	-89.73	118.49	-2,549.89	4,501.18	4,437.53	63.65	70.717	
12,700.00	12,521.87	12,739.15	12,553.06	31.65	32.31	-89.71	163.88	-2,550.13	4,501 18	4,437.23	63.95	70.384	
12,750.00	12,536.04	12,787.14	12,565.11	31.79	32.49	-89.69	210.32	-2,550.37	4,501.19	4,436.92	64.27	70.032	
12,789.60	12,544.25	12,825.79	12,572.22	31.91	37.29	-89.68	248.30	-2,550.57	4,501.20	4,436.68	64.52	69.763	
12,790.23	12,544.36	12,826.42	12,572.33	31.91	37.29	-89.68	248.93	-2,550.57	4,501.20	4,436.67	64.52	69.760	
12,800.00	12,546.06	12,835.93	12,573.98	36.93	37.29	-89.68	258.29	-2,550.62	4,501.20	4,436.62	64.58	69.704	
12,814.60	12,548.59	12,848.97	12,576.13	36.94	37.30	-89.67	271 15	-2,550.69	4,501.20	4,436.56	64 64	69.632	
12,850.00	12,554.10	12,880.59	12,580.60	36.95	37.32	-89.66	302.45	-2,550.87	4,501.21	4,436.39	64.82	69.441	
12,900.00	12,559.65	12,925.23	12,585.15	36.98	37.34	-89.65	346.85	-2,551.17	4,501 22	4,436.12	65.10	69.142	
12,950.00	12,562.59	12,969.85	12,587.62	37.00	37.37	-89.64	391.40	-2,551.51	4,501.22	4,435.80	65.42	68.806	
12,981.32	12,563.11	13,003.33	12,588.11	37.02	37.39	-89.64	419.03	-2,551.74	4,501.21	4,435.55	65.66	68.553	
13,000.00	12,563.10	13,016.17	12,588.10	37.03	37.39	-89.64	437.71	-2,551.90	4,501.21	4,435.42	65.78	68.425	
13,100.00	12,563.10	13,116.17	12,588.10	37.08	37.45	-89.64	537.70	-2,552.76	4,501.18	4,434.53	66.66	67.529	
13,200.00	12,563.10	13,216.17	12,588.10	37.13	37.51	-89.64	637.70	-2,553.63	4,501.16	4,433.48	67.68	66.508	
13,300.00	12,563.10	13,316.17	12,588.10	37.19	37.57	-89.64	737.70	-2,554.49	4,501 13	4,432.29	68.85	65.379	
13,400.00	12,563.10	13,416.17	12,588.09	37.24	37.64	-89.64	837.69	-2,555.36	4,501.11	4,430.96	70.15	64.162	
13,500.00	12,563.09	13,516.17	12,588.09	37 30	37.73	-89.64	937.69	-2,556.22	4,501.09	4,429.50	71.59	62.875	
13,600.00	12,563.09	13,616.17	12,588.09	37.37	37.90	-89.64	1,037.69	-2,557.09	4,501.06	4,427.92	73 15	61.535	
13,700.00	12,563.09	13,716.17	12,588.09	37.44	38.40	-89.64	1,137.68	-2,557.95	4,501.04	4,426.22	74.82	60 159	
13,800.00	12,563.09	13,816 17	12,588.09	37.62	39.23	-89.64	1,237.68	-2,558.82	4,501.01	4,424.41	76.60	58.760	
13,900.00	12,563.08	13,916.17	12,588.08	38 40	40.17	-89.64	1,337.67	-2,559.68	4,500.99	4,422.51	78.48	57.352	
14,000.00	12,563.08	14,016.17	12,588.08	39.34	41.18	-89.64	1,437.67	-2,560.55	4,500.97	4,420.51	80.45	55.945	
14,100.00	12,563.08	14,116.17	12,588.08	40.34	42.23	-89.64	1,537.67	-2,561.41	4,500.94	4,418.43	82.51	54.548	

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:	217H	**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, 12803-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
14,200.00	12,563.08	14,216.17	12,588.08	41.38	43.32	-89.64	1,637.66	-2,562.28	4,500.92	4,416.26	84.65	53.169	
14,300.00	12,563.07	14,316.17	12,588.07	42.46	44.45	-89.64	1,737.66	-2,563.14	4,500.89	4,414.03	86.87	51.813	
14,400.00	12,563.07	14,416.17	12,588.07	43.58	45.61	-89.64	1,837.66	-2,564.00	4,500.87	4,411.72	89.15	50.486	
14,500.00	12,563.07	14,516.17	12,588.07	44.73	46.80	-89.64	1,937.65	-2,564.87	4,500.85	4,409.35	91.50	49.191	
14,600.00	12,563.07	14,616.17	12,588.07	45.91	48.02	-89.64	2,037.65	-2,565.73	4,500.82	4,406.92	93.90	47.931	
14,700.00	12,563.06	14,716.17	12,588.06	47.12	49.27	-89.64	2,137.65	-2,566.60	4,500.80	4,404.44	96.36	46.708	
14,800.00	12,563.06	14,816.17	12,588.06	48.36	50.54	-89.64	2,237.64	-2,567.46	4,500.77	4,401.90	98.87	45.522	
14,900.00	12,563.06	14,916.17	12,588.06	49.62	51.83	-89.64	2,337.64	-2,568.33	4,500.75	4,399.32	101.43	44.375	
15,000.00	12,563.06	15,016.17	12,588.06	50.91	53.14	-89.64	2,437.63	-2,569.19	4,500.73	4,396.70	104.03	43.266	
15,100.00	12,563.05	15,116.17	12,588.05	52.21	54.47	-89.64	2,537.63	-2,570.06	4,500.70	4,394.04	106.66	42.195	
15,200.00	12,563.05	15,216.17	12,588.05	53.54	55.82	-89.64	2,637.63	-2,570.92	4,500.68	4,391.34	109.34	41.162	
15,300.00	12,563.05	15,316.17	12,588.05	54.88	57.19	-89.64	2,737.62	-2,571.79	4,500.65	4,388.60	112.05	40.166	
15,400.00	12,563.05	15,416.17	12,588.05	56.25	58.57	-89.64	2,837.62	-2,572.65	4,500.63	4,385.84	114.79	39.206	
15,500.00	12,563.04	15,516.17	12,588.04	57.62	59.96	-89.64	2,937.62	-2,573.52	4,500.61	4,383.04	117.57	38.281	
15,600.00	12,563.04	15,616.17	12,588.04	59.01	61.37	-89.64	3,037.61	-2,574.38	4,500.58	4,380.22	120.37	37.391	
15,700.00	12,563.04	15,716.17	12,588.04	60.42	62.79	-89.64	3,137.61	-2,575.25	4,500.56	4,377.37	123.19	36.533	
15,800.00	12,563.04	15,816.17	12,588.04	61.84	64.22	-89.64	3,237.60	-2,576.11	4,500.53	4,374.49	126.04	35.707	
15,900.00	12,563.03	15,916.17	12,588.03	63.27	65.67	-89.64	3,337.60	-2,576.98	4,500.51	4,371.60	128.91	34.911	
16,000.00	12,563.03	16,016.17	12,588.03	64.71	67.12	-89.64	3,437.60	-2,577.84	4,500.49	4,368.68	131.81	34.145	
16,100.00	12,563.03	16,116.17	12,588.03	66.16	68.58	-89.64	3,537.59	-2,578.71	4,500.46	4,365.74	134.72	33.406	
16,200.00	12,563.03	16,216.17	12,588.03	67.62	70.05	-89.64	3,637.59	-2,579.57	4,500.44	4,362.79	137.65	32.695	
16,300.00	12,563.02	16,316.17	12,588.02	69.08	71.53	-89.64	3,737.59	-2,580.44	4,500.41	4,359.81	140.60	32.009	
16,400.00	12,563.02	16,416.17	12,588.02	70.56	73.02	-89.64	3,837.58	-2,581.30	4,500.39	4,356.83	143.56	31.348	
16,500.00	12,563.02	16,516.17	12,588.02	72.05	74.51	-89.64	3,937.58	-2,582.16	4,500.37	4,353.82	146.54	30.710	
16,600.00	12,563.02	16,616.17	12,588.02	73.54	76.01	-89.64	4,037.57	-2,583.03	4,500.34	4,350.80	149.54	30.095	
16,700.00	12,563.01	16,716.17	12,588.01	75.04	77.52	-89.64	4,137.57	-2,583.89	4,500.32	4,347.77	152.54	29.502	
16,800.00	12,563.01	16,816.17	12,588.01	76.55	79.03	-89.64	4,237.57	-2,584.76	4,500.29	4,344.73	155.56	28.929	
16,900.00	12,563.01	16,916.17	12,588.01	78.06	80.55	-89.64	4,337.56	-2,585.62	4,500.27	4,341.67	158.60	28.376	
17,000.00	12,563.01	17,016.17	12,588.01	79.58	82.08	-89.64	4,437.56	-2,586.49	4,500.25	4,338.61	161.64	27.841	
17,100.00	12,563.00	17,116.17	12,588.00	81.10	83.61	-89.64	4,537.56	-2,587.35	4,500.22	4,335.53	164.69	27.325	
17,200.00	12,563.00	17,216.17	12,588.00	82.63	85.14	-89.64	4,637.55	-2,588.22	4,500.20	4,332.44	167.76	26.826	
17,281.54	12,563.00	17,297.70	12,588.00	83.88	86.39	-89.64	4,719.08	-2,588.92	4,500.18	4,329.92	170.26	26.431	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:	217H	**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	-93.49	-251.00	-2,426.00	4,432.23				
100.00	100.00	153.00	153.00	0.13	0.32	-93.49	-251.00	-2,426.00	4,432.23	4,431.79	0.44	9,971.161	
200.00	200.00	253.00	253.00	0.49	0.68	-93.49	-251.00	-2,426.00	4,432.23	4,431.07	1.16	3,816.125	
300.00	300.00	353.00	353.00	0.84	1.03	-93.49	-251.00	-2,426.00	4,432.23	4,430.35	1.88	2,359.589	
400.00	400.00	453.00	453.00	1.20	1.39	-93.49	-251.00	-2,426.00	4,432.23	4,429.64	2.60	1,707.769	
500.00	500.00	553.00	553.00	1.56	1.75	-93.49	-251.00	-2,426.00	4,432.23	4,428.92	3.31	1,338.122	
600.00	600.00	653.00	653.00	1.92	2.11	-93.49	-251.00	-2,426.00	4,432.23	4,428.20	4.03	1,100.022	
700.00	700.00	753.00	753.00	2.28	2.47	-93.49	-251.00	-2,426.00	4,432.23	4,427.49	4.75	933.856	
800.00	800.00	853.00	853.00	2.64	2.83	-93.49	-251.00	-2,426.00	4,432.23	4,426.77	5.46	811.302	
900.00	900.00	953.00	953.00	3.00	3.19	-93.49	-251.00	-2,426.00	4,432.23	4,426.05	6.18	717.184	
1,000.00	1,000.00	1,516.20	1,514.83	3.35	5.18	-93.51	-250.57	-2,392.93	4,423.37	4,414.90	8.48	521.861	
1,100.00	1,100.00	1,615.65	1,613.74	3.71	5.54	-93.52	-250.44	-2,382.54	4,412.93	4,403.75	9.18	480.574	
1,200.00	1,200.00	1,715.10	1,712.65	4.07	5.91	-93.53	-250.31	-2,372.14	4,402.49	4,392.60	9.89	445.095	
1,300.00	1,300.00	1,814.56	1,811.55	4.43	6.28	-93.53	-250.17	-2,361.75	4,392.05	4,381.45	10.60	414.302	
1,400.00	1,400.00	1,914.01	1,910.46	4.79	6.66	-93.54	-250.04	-2,351.35	4,381.61	4,370.30	11.31	387.332	
1,500.00	1,500.00	2,013.46	2,009.37	5.15	7.03	-93.55	-249.91	-2,340.96	4,371.17	4,359.15	12.02	363.521	
1,600.00	1,600.00	2,112.91	2,108.28	5.50	7.41	-93.55	-249.77	-2,330.56	4,360.73	4,347.99	12.74	342.349	
1,700.00	1,700.00	2,212.36	2,207.18	5.86	7.79	-93.56	-249.64	-2,320.17	4,350.29	4,336.84	13.45	323.404	
1,800.00	1,800.00	2,311.82	2,306.09	6.22	8.17	-93.57	-249.51	-2,309.77	4,339.85	4,325.68	14.17	306.354	
1,900.00	1,900.00	2,411.27	2,405.00	6.58	8.55	-93.57	-249.37	-2,299.38	4,329.41	4,314.53	14.88	290.930	
2,000.00	2,000.00	2,510.72	2,503.91	6.94	8.94	-93.58	-249.24	-2,288.98	4,318.97	4,303.37	15.60	276.912	
2,100.00	2,100.00	2,610.17	2,602.81	7.30	9.32	-93.59	-249.11	-2,278.59	4,308.53	4,292.22	16.31	264.117	
2,200.00	2,200.00	2,709.63	2,701.72	7.66	9.71	-93.59	-248.97	-2,268.20	4,298.09	4,281.06	17.03	252.391	
2,300.00	2,300.00	2,809.08	2,800.63	8.01	10.09	-93.60	-248.84	-2,257.80	4,287.65	4,269.90	17.75	241.608	
2,400.00	2,400.00	2,908.53	2,899.53	8.37	10.48	-93.61	-248.70	-2,247.41	4,277.21	4,258.75	18.46	231.659	
2,500.00	2,500.00	3,007.98	2,998.44	8.73	10.86	-93.62	-248.57	-2,237.01	4,266.77	4,247.59	19.18	222.450	
2,600.00	2,600.00	3,107.43	3,097.35	9.09	11.25	-93.62	-248.44	-2,226.62	4,256.33	4,236.43	19.90	213.902	
2,700.00	2,700.00	3,206.89	3,196.26	9.45	11.64	-93.63	-248.30	-2,216.22	4,245.89	4,225.27	20.62	205.947	
2,800.00	2,800.00	3,306.34	3,295.16	9.81	12.02	-93.64	-248.17	-2,205.83	4,235.45	4,214.12	21.33	198.526	
2,900.00	2,900.00	3,405.79	3,394.07	10.16	12.41	-93.64	-248.04	-2,195.43	4,225.01	4,202.96	22.05	191.586	
3,000.00	3,000.00	3,505.24	3,492.98	10.52	12.80	-93.65	-247.90	-2,185.04	4,214.57	4,191.80	22.77	185.082	
3,100.00	3,100.00	3,604.69	3,591.89	10.88	13.19	-93.66	-247.77	-2,174.64	4,204.13	4,180.64	23.49	178.976	
3,200.00	3,200.00	3,704.15	3,690.79	11.24	13.58	-93.67	-247.64	-2,164.25	4,193.69	4,169.48	24.21	173.230	
3,300.00	3,300.00	3,803.60	3,789.70	11.60	13.97	-93.67	-247.50	-2,153.85	4,183.25	4,158.33	24.93	167.816	
3,400.00	3,400.00	3,903.05	3,888.61	11.96	14.36	-93.68	-247.37	-2,143.46	4,172.82	4,147.17	25.65	162.704	
3,500.00	3,500.00	4,002.50	3,987.52	12.32	14.74	-93.69	-247.23	-2,133.06	4,162.38	4,136.01	26.37	157.870	
3,600.00	3,600.00	4,101.96	4,086.42	12.67	15.13	-93.69	-247.10	-2,122.67	4,151.94	4,124.85	27.09	153.292	
3,700.00	3,700.00	4,201.41	4,185.33	13.03	15.52	-93.70	-246.97	-2,112.27	4,141.50	4,113.69	27.80	148.950	
3,800.00	3,800.00	4,300.86	4,284.24	13.39	15.91	-93.71	-246.83	-2,101.88	4,131.06	4,102.53	28.52	144.827	
3,900.00	3,900.00	4,400.31	4,383.15	13.75	16.30	-93.72	-246.70	-2,091.48	4,120.62	4,091.38	29.24	140.907	
4,000.00	4,000.00	4,500.24	4,482.05	14.11	16.70	-93.72	-246.57	-2,081.09	4,110.18	4,080.22	29.97	137.166	
4,100.00	4,100.00	4,600.78	4,580.96	14.47	17.09	-93.73	-246.43	-2,070.70	4,099.74	4,069.05	30.69	133.591	
4,200.00	4,200.00	4,701.33	4,679.87	14.82	17.49	-93.74	-246.30	-2,060.30	4,089.30	4,057.89	31.41	130.180	
4,300.00	4,300.00	4,801.88	4,778.78	15.18	17.88	-93.75	-246.17	-2,049.91	4,078.87	4,046.73	32.14	126.923	
4,400.00	4,400.00	4,902.43	4,877.68	15.54	18.28	-93.76	-246.03	-2,039.51	4,068.43	4,035.57	32.86	123.809	
4,500.00	4,500.00	4,997.03	4,976.59	15.90	18.65	-93.76	-245.90	-2,029.12	4,057.99	4,024.43	33.56	120.908	
4,600.00	4,600.00	5,103.52	5,075.50	16.26	19.07	-93.77	-245.77	-2,018.72	4,047.55	4,013.24	34.31	117.975	
4,700.00	4,700.00	5,204.07	5,174.40	16.62	19.46	-93.78	-245.63	-2,008.33	4,037.11	4,002.08	35.03	115.238	
4,800.00	4,800.00	5,304.62	5,273.31	16.98	19.86	-93.79	-245.50	-1,997.93	4,026.67	3,990.92	35.76	112.612	
4,900.00	4,900.00	5,405.17	5,372.22	17.33	20.24	-93.79	-245.36	-1,987.54	4,016.23	3,979.76	36.47	110.119	
5,000.00	5,000.00	5,505.71	5,471.13	17.69	20.46	-93.80	-245.23	-1,977.14	4,005.80	3,968.79	37.00	108.255	
5,100.00	5,100.00	5,606.26	5,570.03	18.05	20.51	-93.81	-245.10	-1,966.75	3,995.36	3,957.99	37.37	106.920	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,200.00	5,706.81	5,668.94	18.41	20.58	-93.82	-244.96	-1,956.35	3,984.92	3,947.18	37.74	105.591	
5,300.00	5,300.00	5,807.36	5,767.85	18.77	20.65	-93.83	-244.83	-1,945.96	3,974.48	3,936.37	38.12	104.268	
5,400.00	5,400.00	5,907.90	5,866.76	19.13	20.72	-93.84	-244.70	-1,935.56	3,964.05	3,925.54	38.50	102.954	
5,500.00	5,500.00	5,991.55	5,965.66	19.31	20.80	-93.84	-244.56	-1,925.17	3,953.61	3,914.90	38.71	102.129	
5,600.00	5,600.00	6,109.00	6,064.57	19.31	20.90	-93.85	-244.43	-1,914.77	3,943.17	3,904.40	38.77	101.712	
5,700.00	5,700.00	6,209.55	6,163.48	19.33	21.00	-93.86	-244.30	-1,904.38	3,932.73	3,893.90	38.83	101.277	
5,800.00	5,800.00	6,289.90	6,262.39	19.35	21.09	-93.87	-244.16	-1,893.99	3,922.30	3,883.40	38.90	100.840	
5,900.00	5,899.99	6,389.32	6,361.25	19.37	21.20	74.99	-244.03	-1,883.59	3,911.52	3,872.54	38.98	100.340	
6,000.00	5,999.91	6,488.60	6,460.00	19.40	21.32	75.20	-243.89	-1,873.22	3,900.07	3,860.99	39.08	99.795	
6,100.00	6,099.69	6,587.70	6,558.55	19.44	21.44	75.47	-243.76	-1,862.86	3,887.96	3,848.77	39.19	99.202	
6,133.33	6,132.91	6,620.67	6,591.34	19.45	21.48	75.56	-243.72	-1,859.41	3,883.78	3,844.55	39.23	98.993	
6,200.00	6,199.32	6,686.60	6,656.90	19.48	21.57	75.64	-243.63	-1,852.52	3,875.36	3,836.04	39.32	98.566	
6,300.00	6,298.94	6,785.48	6,755.25	19.54	21.71	75.76	-243.50	-1,842.19	3,862.73	3,823.28	39.46	97.900	
6,400.00	6,398.56	6,884.36	6,853.59	19.60	21.85	75.88	-243.36	-1,831.85	3,850.13	3,810.52	39.61	97.207	
6,500.00	6,498.18	6,983.25	6,951.93	19.67	22.00	76.00	-243.23	-1,821.52	3,837.53	3,797.76	39.77	96.486	
6,600.00	6,597.80	7,082.13	7,050.27	19.74	22.15	76.12	-243.10	-1,811.18	3,824.96	3,785.01	39.95	95.740	
6,700.00	6,697.42	7,181.01	7,148.61	19.82	22.31	76.24	-242.96	-1,800.85	3,812.40	3,772.26	40.14	94.970	
6,800.00	6,797.04	7,279.90	7,246.96	19.91	22.48	76.36	-242.83	-1,790.51	3,799.86	3,759.51	40.35	94.177	
6,900.00	6,896.66	7,378.78	7,345.30	20.01	22.65	76.48	-242.70	-1,780.18	3,787.34	3,746.77	40.57	93.364	
7,000.00	6,996.28	7,477.66	7,443.64	20.11	22.83	76.61	-242.57	-1,769.84	3,774.83	3,734.04	40.79	92.532	
7,100.00	7,095.90	7,576.55	7,541.98	20.22	23.01	76.73	-242.43	-1,759.51	3,762.34	3,721.31	41.04	91.682	
7,200.00	7,195.52	7,675.43	7,640.32	20.34	23.20	76.86	-242.30	-1,749.17	3,749.87	3,708.58	41.29	90.815	
7,300.00	7,295.14	7,774.32	7,738.67	20.46	23.39	76.98	-242.17	-1,738.83	3,737.42	3,695.86	41.56	89.934	
7,400.00	7,394.76	7,873.20	7,837.01	20.59	23.59	77.11	-242.03	-1,728.50	3,724.98	3,683.15	41.83	89.040	
7,500.00	7,494.38	7,972.08	7,935.35	20.73	23.79	77.24	-241.90	-1,718.16	3,712.57	3,670.44	42.12	88.134	
7,600.00	7,594.00	8,070.97	8,033.69	20.87	23.99	77.36	-241.77	-1,707.83	3,700.17	3,657.74	42.42	87.218	
7,700.00	7,693.62	8,169.85	8,132.03	21.02	24.21	77.49	-241.64	-1,697.49	3,687.79	3,645.05	42.74	86.292	
7,800.00	7,793.24	8,268.73	8,230.38	21.18	24.42	77.62	-241.50	-1,687.16	3,675.42	3,632.37	43.06	85.360	
7,900.00	7,892.85	8,367.62	8,328.72	21.34	24.64	77.75	-241.37	-1,676.82	3,663.08	3,619.69	43.39	84.421	
8,000.00	7,992.47	8,455.11	8,415.74	21.50	24.84	77.87	-241.25	-1,667.70	3,650.79	3,607.08	43.72	83.508	
8,100.00	8,092.09	8,500.00	8,460.42	21.68	24.94	77.93	-241.20	-1,663.41	3,639.46	3,595.47	43.99	82.731	
8,200.00	8,191.71	8,556.57	8,516.80	21.85	25.06	78.01	-241.14	-1,658.75	3,629.45	3,585.16	44.28	81.957	
8,300.00	8,291.33	8,600.00	8,560.12	22.04	25.15	78.07	-241.10	-1,655.74	3,620.80	3,576.24	44.56	81.261	
8,400.00	8,390.95	8,658.54	8,618.57	22.23	25.27	78.14	-241.06	-1,652.46	3,613.47	3,568.61	44.86	80.555	
8,432.50	8,423.33	8,675.15	8,635.16	22.29	25.30	78.17	-241.05	-1,651.70	3,611.38	3,566.43	44.95	80.341	
8,500.00	8,490.62	8,700.00	8,659.99	22.42	25.35	78.14	-241.03	-1,650.68	3,607.64	3,562.52	45.13	79.947	
8,600.00	8,590.46	8,761.02	8,720.98	22.61	25.46	78.14	-241.01	-1,648.88	3,603.63	3,558.20	45.43	79.330	
8,700.00	8,690.41	8,812.45	8,772.40	22.80	25.55	78.13	-241.00	-1,648.12	3,601.53	3,555.83	45.70	78.807	
8,765.83	8,756.24	8,849.28	8,809.24	22.91	25.61	-90.56	-241.00	-1,648.00	3,601.17	3,555.29	45.88	78.496	
8,800.00	8,790.41	8,883.45	8,843.41	22.97	25.67	-90.56	-241.00	-1,648.00	3,601.17	3,555.17	46.00	78.293	
8,900.00	8,890.41	8,983.45	8,943.41	23.14	25.84	-90.56	-241.00	-1,648.00	3,601.17	3,554.82	46.35	77.696	
9,000.00	8,990.41	9,083.45	9,043.41	23.32	26.01	-90.56	-241.00	-1,648.00	3,601.17	3,554.46	46.71	77.094	
9,100.00	9,090.41	9,183.45	9,143.41	23.50	26.18	-90.56	-241.00	-1,648.00	3,601.17	3,554.09	47.08	76.488	
9,200.00	9,190.41	9,283.45	9,243.41	23.68	26.36	-90.56	-241.00	-1,648.00	3,601.17	3,553.71	47.46	75.878	
9,300.00	9,290.41	9,383.45	9,343.41	23.87	26.54	-90.56	-241.00	-1,648.00	3,601.17	3,553.32	47.85	75.266	
9,400.00	9,390.41	9,483.45	9,443.41	24.06	26.72	-90.56	-241.00	-1,648.00	3,601.17	3,552.93	48.24	74.653	
9,500.00	9,490.41	9,583.45	9,543.41	24.26	26.91	-90.56	-241.00	-1,648.00	3,601.17	3,552.53	48.64	74.038	
9,600.00	9,590.41	9,683.45	9,643.41	24.45	27.10	-90.56	-241.00	-1,648.00	3,601.17	3,552.12	49.05	73.422	
9,700.00	9,690.41	9,783.45	9,743.41	24.66	27.30	-90.56	-241.00	-1,648.00	3,601.17	3,551.71	49.46	72.806	
9,800.00	9,790.41	9,883.45	9,843.41	24.86	27.49	-90.56	-241.00	-1,648.00	3,601.17	3,551.29	49.88	72.190	
9,900.00	9,890.41	9,983.45	9,943.41	25.07	27.70	-90.56	-241.00	-1,648.00	3,601.17	3,550.86	50.31	71.575	
10,000.00	9,990.41	10,083.45	10,043.41	25.29	27.90	-90.56	-241.00	-1,648.00	3,601.17	3,550.42	50.75	70.962	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12981-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,090.41	10,183.45	10,143.41	25.50	28.11	-90.56	-241.00	-1,648.00	3,601.17	3,549.98	51.19	70.350	
10,200.00	10,190.41	10,283.45	10,243.41	25.72	28.32	-90.56	-241.00	-1,648.00	3,601.17	3,549.53	51.64	69.740	
10,300.00	10,290.41	10,383.45	10,343.41	25.95	28.53	-90.56	-241.00	-1,648.00	3,601.17	3,549.08	52.09	69.133	
10,400.00	10,390.41	10,483.45	10,443.41	26.17	28.75	-90.56	-241.00	-1,648.00	3,601.17	3,548.62	52.55	68.528	
10,500.00	10,490.41	10,583.45	10,543.41	26.40	28.97	-90.56	-241.00	-1,648.00	3,601.17	3,548.16	53.02	67.927	
10,600.00	10,590.41	10,683.45	10,643.41	26.63	29.19	-90.56	-241.00	-1,648.00	3,601.17	3,547.68	53.49	67.329	
10,700.00	10,690.41	10,783.45	10,743.41	26.87	29.41	-90.56	-241.00	-1,648.00	3,601.17	3,547.21	53.96	66.735	
10,800.00	10,790.41	10,883.45	10,843.41	27.10	29.64	-90.56	-241.00	-1,648.00	3,601.17	3,546.73	54.44	66.145	
10,900.00	10,890.41	10,983.45	10,943.41	27.34	29.87	-90.56	-241.00	-1,648.00	3,601.17	3,546.24	54.93	65.559	
11,000.00	10,990.41	11,083.45	11,043.41	27.58	30.10	-90.56	-241.00	-1,648.00	3,601.17	3,545.75	55.42	64.978	
11,100.00	11,090.41	11,183.45	11,143.41	27.83	30.34	-90.56	-241.00	-1,648.00	3,601.17	3,545.25	55.92	64.401	
11,200.00	11,190.41	11,283.45	11,243.41	28.08	30.58	-90.56	-241.00	-1,648.00	3,601.17	3,544.75	56.42	63.829	
11,300.00	11,290.41	11,383.45	11,343.41	28.33	30.82	-90.56	-241.00	-1,648.00	3,601.17	3,544.25	56.92	63.262	
11,400.00	11,390.41	11,483.45	11,443.41	28.58	31.06	-90.56	-241.00	-1,648.00	3,601.17	3,543.73	57.44	62.700	
11,500.00	11,490.41	11,583.45	11,543.41	28.83	31.30	-90.56	-241.00	-1,648.00	3,601.17	3,543.22	57.95	62.143	
11,600.00	11,590.41	11,683.45	11,643.41	29.09	31.55	-90.56	-241.00	-1,648.00	3,601.17	3,542.70	58.47	61.591	
11,700.00	11,690.41	11,783.45	11,743.41	29.35	31.80	-90.56	-241.00	-1,648.00	3,601.17	3,542.18	58.99	61.045	
11,800.00	11,790.41	11,883.45	11,843.41	29.61	32.05	-90.56	-241.00	-1,648.00	3,601.17	3,541.65	59.52	60.505	
11,900.00	11,890.41	11,983.45	11,943.41	29.87	32.30	-90.56	-241.00	-1,648.00	3,601.17	3,541.12	60.05	59.970	
11,989.60	11,980.00	12,073.05	12,033.00	30.11	32.53	-90.56	-241.00	-1,648.00	3,601.17	3,540.64	60.53	59.495	CC
12,000.00	11,990.40	12,083.45	12,043.40	30.13	32.55	-90.26	-241.00	-1,648.00	3,601.17	3,540.59	60.58	59.440	
12,050.00	12,040.29	12,133.34	12,093.29	30.26	32.68	-90.31	-241.00	-1,648.00	3,601.19	3,540.34	60.85	59.183	
12,100.00	12,089.72	12,183.19	12,143.15	30.38	32.81	-90.42	-240.94	-1,648.00	3,601.23	3,540.13	61.11	58.934	
12,150.00	12,138.32	12,235.55	12,195.39	30.50	32.94	-90.56	-237.81	-1,648.01	3,601.31	3,539.94	61.36	58.688	
12,200.00	12,185.71	12,288.80	12,248.01	30.61	33.08	-90.69	-229.74	-1,648.05	3,601.39	3,539.78	61.62	58.448	
12,250.00	12,231.53	12,342.97	12,300.53	30.71	33.22	-90.82	-216.57	-1,648.11	3,601.49	3,539.63	61.87	58.214	
12,300.00	12,275.44	12,398.06	12,352.43	30.81	33.35	-90.95	-198.14	-1,648.19	3,601.60	3,539.49	62.11	57.985	
12,350.00	12,317.10	12,454.06	12,403.12	30.90	33.48	-91.07	-174.40	-1,648.29	3,601.71	3,539.36	62.36	57.759	
12,400.00	12,356.20	12,510.94	12,451.99	31.00	33.61	-91.18	-145.33	-1,648.42	3,601.83	3,539.22	62.61	57.532	
12,450.00	12,392.43	12,568.67	12,498.38	31.09	33.74	-91.28	-111.02	-1,648.57	3,601.93	3,539.07	62.86	57.302	
12,500.00	12,425.53	12,627.18	12,541.65	31.19	33.87	-91.38	-71.67	-1,648.74	3,602.03	3,538.91	63.12	57.064	
12,550.00	12,455.23	12,686.41	12,581.13	31.29	33.99	-91.46	-27.56	-1,648.93	3,602.11	3,538.71	63.40	56.815	
12,600.00	12,481.32	12,746.24	12,616.17	31.40	34.13	-91.52	20.91	-1,649.14	3,602.18	3,538.48	63.70	56.551	
12,650.00	12,503.59	12,806.58	12,646.21	31.52	34.27	-91.58	73.21	-1,649.37	3,602.22	3,538.20	64.02	56.268	
12,700.00	12,521.87	12,867.30	12,670.71	31.65	34.42	-91.61	128.73	-1,649.61	3,602.24	3,537.87	64.37	55.964	
12,750.00	12,536.04	12,928.26	12,689.26	31.79	34.59	-91.64	186.77	-1,649.87	3,602.23	3,537.49	64.74	55.639	
12,789.60	12,544.25	12,976.61	12,699.52	31.91	34.75	-91.64	234.00	-1,650.07	3,602.20	3,537.14	65.06	55.369	
12,800.00	12,546.06	12,986.73	12,701.28	36.93	36.95	-91.64	243.97	-1,650.12	3,602.19	3,537.07	65.12	55.317	
12,814.60	12,548.59	13,001.34	12,703.82	36.94	39.71	-91.64	258.36	-1,650.18	3,602.18	3,536.98	65.20	55.251	
12,850.00	12,554.10	13,037.23	12,709.34	36.95	39.76	-91.64	293.82	-1,650.35	3,602.15	3,536.76	65.39	55.090	
12,900.00	12,559.65	13,087.90	12,714.85	36.98	39.83	-91.63	344.18	-1,650.66	3,602.12	3,536.43	65.69	54.837	
12,950.00	12,562.59	13,138.57	12,717.69	37.00	39.90	-91.62	394.76	-1,651.03	3,602.10	3,536.07	66.03	54.551	
12,981.32	12,563.11	13,170.25	12,718.11	37.02	39.95	-91.62	426.44	-1,651.29	3,602.10	3,535.83	66.27	54.358	
13,000.00	12,563.10	13,188.93	12,718.11	37.03	39.99	-91.62	445.12	-1,651.46	3,602.09	3,535.68	66.41	54.237	
13,100.00	12,563.10	13,288.93	12,718.10	37.08	40.17	-91.62	545.12	-1,652.33	3,602.08	3,534.79	67.29	53.528	
13,200.00	12,563.10	13,388.93	12,718.10	37.13	40.38	-91.62	645.11	-1,653.21	3,602.07	3,533.74	68.32	52.722	
13,300.00	12,563.10	13,488.93	12,718.10	37.19	40.64	-91.62	745.11	-1,654.08	3,602.05	3,532.56	69.49	51.833	
13,400.00	12,563.10	13,588.93	12,718.10	37.24	40.95	-91.62	845.10	-1,654.96	3,602.04	3,531.24	70.80	50.876	
13,500.00	12,563.09	13,688.93	12,718.09	37.30	41.31	-91.62	945.10	-1,655.83	3,602.03	3,529.79	72.24	49.864	
13,600.00	12,563.09	13,788.93	12,718.09	37.37	41.75	-91.62	1,045.10	-1,656.71	3,602.01	3,528.22	73.79	48.812	
13,700.00	12,563.09	13,888.93	12,718.09	37.44	42.26	-91.62	1,145.09	-1,657.59	3,602.00	3,526.53	75.47	47.730	
13,800.00	12,563.09	13,988.93	12,718.09	37.62	42.86	-91.62	1,245.09	-1,658.46	3,601.99	3,524.74	77.24	46.632	

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:	217H	**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
13,900.00	12,563.08	14,088.93	12,718.08	38.40	43.54	-91.62	1,345.08	-1,659.34	3,601.97	3,522.85	79.12	45.525	
14,000.00	12,563.08	14,188.93	12,718.08	39.34	44.30	-91.62	1,445.08	-1,660.21	3,601.96	3,520.87	81.09	44.419	
14,100.00	12,563.08	14,288.93	12,718.08	40.34	45.13	-91.62	1,545.08	-1,661.09	3,601.94	3,518.80	83.15	43.321	
14,200.00	12,563.08	14,388.93	12,718.08	41.38	46.04	-91.62	1,645.07	-1,661.96	3,601.93	3,516.65	85.28	42.236	
14,300.00	12,563.07	14,488.93	12,718.07	42.46	47.01	-91.62	1,745.07	-1,662.84	3,601.92	3,514.43	87.49	41.169	
14,400.00	12,563.07	14,588.93	12,718.07	43.58	48.03	-91.62	1,845.07	-1,663.71	3,601.90	3,512.14	89.77	40.125	
14,500.00	12,563.07	14,688.93	12,718.07	44.73	49.10	-91.62	1,945.06	-1,664.59	3,601.89	3,509.78	92.11	39.105	
14,600.00	12,563.07	14,788.93	12,718.07	45.91	50.21	-91.62	2,045.06	-1,665.46	3,601.88	3,507.37	94.51	38.112	
14,700.00	12,563.06	14,888.93	12,718.06	47.12	51.36	-91.62	2,145.05	-1,666.34	3,601.86	3,504.90	96.96	37.147	
14,800.00	12,563.06	14,988.93	12,718.06	48.36	52.55	-91.62	2,245.05	-1,667.21	3,601.85	3,502.39	99.47	36.212	
14,900.00	12,563.06	15,088.93	12,718.06	49.62	53.77	-91.62	2,345.05	-1,668.09	3,601.84	3,499.82	102.02	35.307	
15,000.00	12,563.06	15,188.93	12,718.06	50.91	55.01	-91.62	2,445.04	-1,668.96	3,601.82	3,497.21	104.61	34.431	
15,100.00	12,563.05	15,288.93	12,718.05	52.21	56.28	-91.62	2,545.04	-1,669.84	3,601.81	3,494.57	107.24	33.586	
15,200.00	12,563.05	15,388.93	12,718.05	53.54	57.57	-91.62	2,645.03	-1,670.71	3,601.80	3,491.88	109.91	32.769	
15,300.00	12,563.05	15,488.93	12,718.05	54.88	58.89	-91.62	2,745.03	-1,671.59	3,601.78	3,489.17	112.62	31.982	
15,400.00	12,563.05	15,588.93	12,718.05	56.25	60.22	-91.62	2,845.03	-1,672.47	3,601.77	3,486.41	115.36	31.223	
15,500.00	12,563.04	15,688.93	12,718.04	57.62	61.57	-91.62	2,945.02	-1,673.34	3,601.76	3,483.63	118.12	30.492	
15,600.00	12,563.04	15,788.93	12,718.04	59.01	62.94	-91.62	3,045.02	-1,674.22	3,601.74	3,480.83	120.92	29.787	
15,700.00	12,563.04	15,888.93	12,718.04	60.42	64.32	-91.62	3,145.02	-1,675.09	3,601.73	3,477.99	123.74	29.108	
15,800.00	12,563.04	15,988.93	12,718.04	61.84	65.72	-91.62	3,245.01	-1,675.97	3,601.72	3,475.13	126.58	28.454	
15,900.00	12,563.03	16,088.93	12,718.03	63.27	67.13	-91.62	3,345.01	-1,676.84	3,601.70	3,472.25	129.45	27.823	
16,000.00	12,563.03	16,188.93	12,718.03	64.71	68.55	-91.62	3,445.00	-1,677.72	3,601.69	3,469.35	132.34	27.216	
16,100.00	12,563.03	16,288.93	12,718.03	66.16	69.98	-91.62	3,545.00	-1,678.59	3,601.68	3,466.43	135.24	26.631	
16,200.00	12,563.03	16,388.93	12,718.03	67.62	71.42	-91.62	3,645.00	-1,679.47	3,601.66	3,463.49	138.17	26.067	
16,300.00	12,563.02	16,488.93	12,718.02	69.08	72.87	-91.62	3,744.99	-1,680.34	3,601.65	3,460.53	141.11	25.523	
16,400.00	12,563.02	16,588.93	12,718.02	70.56	74.33	-91.62	3,844.99	-1,681.22	3,601.64	3,457.56	144.07	24.998	
16,500.00	12,563.02	16,688.93	12,718.02	72.05	75.80	-91.62	3,944.99	-1,682.09	3,601.62	3,454.57	147.05	24.493	
16,600.00	12,563.02	16,788.93	12,718.02	73.54	77.28	-91.62	4,044.98	-1,682.97	3,601.61	3,451.57	150.04	24.004	
16,700.00	12,563.01	16,888.93	12,718.01	75.04	78.77	-91.62	4,144.98	-1,683.84	3,601.60	3,448.55	153.04	23.533	
16,800.00	12,563.01	16,988.93	12,718.01	76.55	80.26	-91.62	4,244.97	-1,684.72	3,601.58	3,445.52	156.06	23.079	
16,900.00	12,563.01	17,088.93	12,718.01	78.06	81.76	-91.62	4,344.97	-1,685.59	3,601.57	3,442.48	159.09	22.639	
17,000.00	12,563.01	17,188.93	12,718.01	79.58	83.27	-91.62	4,444.97	-1,686.47	3,601.55	3,439.43	162.12	22.215	
17,100.00	12,563.00	17,288.93	12,718.00	81.10	84.78	-91.62	4,544.96	-1,687.35	3,601.54	3,436.37	165.17	21.804	
17,200.00	12,563.00	17,388.93	12,718.00	82.63	86.29	-91.62	4,644.96	-1,688.22	3,601.53	3,433.29	168.23	21.408	
17,281.54	12,563.00	17,470.47	12,718.00	83.88	87.54	-91.62	4,726.49	-1,688.93	3,601.52	3,430.78	170.74	21.094	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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13004-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	53.00	53.00	0.00	0.07	-93.48	-252.00	-2,456.00	4,462.24				
100.00	100.00	153.00	153.00	0.13	0.32	-93.48	-252.00	-2,456.00	4,462.24	4,461.79	0.44	N/A	
200.00	200.00	253.00	253.00	0.49	0.68	-93.48	-252.00	-2,456.00	4,462.24	4,461.08	1.16	3,841.960	
300.00	300.00	353.00	353.00	0.84	1.03	-93.48	-252.00	-2,456.00	4,462.24	4,460.36	1.88	2,375.563	
400.00	400.00	453.00	453.00	1.20	1.39	-93.48	-252.00	-2,456.00	4,462.24	4,459.64	2.60	1,719.330	
500.00	500.00	553.00	553.00	1.56	1.75	-93.48	-252.00	-2,456.00	4,462.24	4,458.92	3.31	1,347.181	
509.08	509.08	562.08	562.08	1.59	1.78	-93.48	-252.00	-2,456.00	4,462.24	4,458.86	3.38	1,321.221	CC
600.00	600.00	624.48	624.48	1.92	2.01	-93.48	-252.00	-2,456.08	4,462.41	4,458.48	3.92	1,136.919	ES
700.00	700.00	670.65	670.65	2.28	2.17	-93.48	-251.99	-2,456.65	4,463.65	4,459.20	4.45	1,004.177	
800.00	800.00	700.00	699.99	2.64	2.27	-93.48	-251.99	-2,457.31	4,466.16	4,461.26	4.91	910.428	
900.00	900.00	762.93	762.88	3.00	2.49	-93.48	-251.96	-2,459.47	4,469.75	4,464.27	5.48	815.623	
1,000.00	1,000.00	800.00	799.91	3.35	2.62	-93.48	-251.95	-2,461.23	4,474.62	4,468.66	5.96	750.298	
1,100.00	1,100.00	855.01	854.83	3.71	2.81	-93.47	-251.91	-2,464.51	4,480.66	4,474.15	6.51	688.160	
1,200.00	1,200.00	900.00	899.69	4.07	2.97	-93.47	-251.88	-2,467.77	4,487.91	4,480.89	7.02	639.175	
1,300.00	1,300.00	946.80	946.33	4.43	3.14	-93.47	-251.84	-2,471.73	4,496.36	4,488.82	7.54	596.457	
1,400.00	1,400.00	1,000.00	999.27	4.79	3.33	-93.46	-251.79	-2,476.92	4,506.01	4,497.93	8.08	557.894	
1,500.00	1,500.00	1,038.20	1,037.23	5.15	3.47	-93.46	-251.75	-2,481.11	4,516.83	4,508.26	8.56	527.642	
1,600.00	1,600.00	1,100.00	1,098.57	5.50	3.70	-93.45	-251.67	-2,488.68	4,528.90	4,519.77	9.13	496.099	
1,700.00	1,700.00	1,163.59	1,161.61	5.86	3.95	-93.44	-251.59	-2,496.98	4,541.78	4,532.07	9.71	467.966	
1,800.00	1,800.00	1,262.73	1,259.91	6.22	4.33	-93.43	-251.46	-2,509.92	4,554.80	4,544.39	10.41	437.349	
1,900.00	1,900.00	1,361.87	1,358.21	6.58	4.72	-93.42	-251.33	-2,522.86	4,567.82	4,556.69	11.13	410.490	
2,000.00	2,000.00	1,461.02	1,456.50	6.94	5.11	-93.41	-251.20	-2,535.80	4,580.84	4,569.00	11.84	386.832	
2,100.00	2,100.00	1,560.16	1,554.80	7.30	5.51	-93.40	-251.07	-2,548.74	4,593.87	4,581.31	12.56	365.835	
2,200.00	2,200.00	1,659.31	1,653.10	7.66	5.90	-93.39	-250.93	-2,561.68	4,606.89	4,593.61	13.27	347.077	
2,300.00	2,300.00	1,758.45	1,751.39	8.01	6.30	-93.38	-250.80	-2,574.62	4,619.91	4,605.92	13.99	330.220	
2,400.00	2,400.00	1,857.60	1,849.69	8.37	6.70	-93.37	-250.67	-2,587.56	4,632.93	4,618.22	14.71	314.993	
2,500.00	2,500.00	1,956.74	1,947.98	8.73	7.11	-93.35	-250.54	-2,600.50	4,645.95	4,630.53	15.43	301.172	
2,600.00	2,600.00	2,055.89	2,046.28	9.09	7.51	-93.34	-250.41	-2,613.44	4,658.98	4,642.83	16.14	288.572	
2,700.00	2,700.00	2,155.03	2,144.58	9.45	7.91	-93.33	-250.28	-2,626.38	4,672.00	4,655.13	16.86	277.039	
2,800.00	2,800.00	2,254.17	2,242.87	9.81	8.32	-93.32	-250.15	-2,639.32	4,685.02	4,667.44	17.58	266.444	
2,900.00	2,900.00	2,353.32	2,341.17	10.16	8.72	-93.31	-250.02	-2,652.26	4,698.04	4,679.74	18.30	256.678	
3,000.00	3,000.00	2,452.46	2,439.47	10.52	9.13	-93.30	-249.89	-2,665.20	4,711.07	4,692.04	19.02	247.647	
3,100.00	3,100.00	2,551.61	2,537.76	10.88	9.54	-93.29	-249.76	-2,678.14	4,724.09	4,704.35	19.74	239.272	
3,200.00	3,200.00	2,650.75	2,636.06	11.24	9.94	-93.28	-249.63	-2,691.08	4,737.11	4,716.65	20.46	231.484	
3,300.00	3,300.00	2,749.90	2,734.36	11.60	10.35	-93.27	-249.50	-2,704.02	4,750.14	4,728.95	21.18	224.224	
3,400.00	3,400.00	2,849.04	2,832.65	11.96	10.76	-93.26	-249.37	-2,716.96	4,763.16	4,741.26	21.91	217.440	
3,500.00	3,500.00	2,948.19	2,930.95	12.32	11.17	-93.25	-249.24	-2,729.90	4,776.19	4,753.56	22.63	211.087	
3,600.00	3,600.00	3,047.33	3,029.24	12.67	11.58	-93.24	-249.11	-2,742.84	4,789.21	4,765.86	23.35	205.125	
3,700.00	3,700.00	3,146.47	3,127.54	13.03	11.99	-93.23	-248.98	-2,755.78	4,802.23	4,778.17	24.07	199.519	
3,800.00	3,800.00	3,245.62	3,225.84	13.39	12.40	-93.22	-248.85	-2,768.72	4,815.26	4,790.47	24.79	194.238	
3,900.00	3,900.00	3,344.76	3,324.13	13.75	12.80	-93.21	-248.72	-2,781.66	4,828.28	4,802.77	25.51	189.255	
4,000.00	4,000.00	3,443.91	3,422.43	14.11	13.21	-93.20	-248.59	-2,794.60	4,841.31	4,815.07	26.23	184.546	
4,100.00	4,100.00	3,543.05	3,520.73	14.47	13.62	-93.19	-248.46	-2,807.54	4,854.33	4,827.38	26.96	180.088	
4,200.00	4,200.00	3,642.20	3,619.02	14.82	14.03	-93.18	-248.33	-2,820.48	4,867.36	4,839.68	27.68	175.862	
4,300.00	4,300.00	3,741.34	3,717.32	15.18	14.44	-93.17	-248.20	-2,833.42	4,880.38	4,851.98	28.40	171.851	
4,400.00	4,400.00	3,840.49	3,815.61	15.54	14.85	-93.16	-248.06	-2,846.36	4,893.41	4,864.29	29.12	168.038	
4,500.00	4,500.00	3,939.63	3,913.91	15.90	15.26	-93.15	-247.93	-2,859.30	4,906.43	4,876.59	29.84	164.409	
4,600.00	4,600.00	4,038.78	4,012.21	16.26	15.68	-93.14	-247.80	-2,872.24	4,919.46	4,888.89	30.57	160.951	
4,700.00	4,700.00	4,137.92	4,110.50	16.62	16.09	-93.13	-247.67	-2,885.18	4,932.49	4,901.20	31.29	157.652	
4,800.00	4,800.00	4,237.06	4,208.80	16.98	16.50	-93.12	-247.54	-2,898.12	4,945.51	4,913.50	32.01	154.502	
4,900.00	4,900.00	4,336.21	4,307.10	17.33	16.91	-93.11	-247.41	-2,911.07	4,958.54	4,925.81	32.73	151.491	
5,000.00	5,000.00	4,435.35	4,405.39	17.69	17.32	-93.10	-247.28	-2,924.01	4,971.56	4,938.11	33.45	148.609	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13004-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,100.00	4,534.50	4,503.69	18.05	17.73	-93.09	-247.15	-2,936.95	4,984.59	4,950.41	34.18	145.849	
5,200.00	5,200.00	4,633.64	4,601.98	18.41	18.14	-93.08	-247.02	-2,949.89	4,997.62	4,962.72	34.90	143.203	
5,300.00	5,300.00	4,732.79	4,700.28	18.77	18.55	-93.07	-246.89	-2,962.83	5,010.64	4,975.02	35.62	140.664	
5,400.00	5,400.00	4,831.93	4,798.58	19.13	18.96	-93.06	-246.76	-2,975.77	5,023.67	4,987.33	36.34	138.226	
5,500.00	5,500.00	4,931.08	4,896.87	19.31	19.37	-93.05	-246.63	-2,988.71	5,036.70	4,999.81	36.89	136.534	
5,600.00	5,600.00	5,030.22	4,995.17	19.31	19.78	-93.04	-246.50	-3,001.65	5,049.72	5,012.46	37.26	135.512	
5,700.00	5,700.00	5,129.36	5,093.47	19.33	20.20	-93.03	-246.37	-3,014.59	5,062.75	5,025.11	37.65	134.487	
5,800.00	5,800.00	5,228.51	5,191.76	19.35	20.61	-93.02	-246.24	-3,027.53	5,075.78	5,037.74	38.03	133.458	
5,900.00	5,899.99	5,327.67	5,290.08	19.37	21.02	75.51	-246.11	-3,040.47	5,088.48	5,050.06	38.43	132.425	
6,000.00	5,999.91	5,426.83	5,388.39	19.40	21.38	75.38	-245.98	-3,053.41	5,100.54	5,061.77	38.77	131.545	
6,100.00	6,099.69	5,525.92	5,486.63	19.44	21.59	75.30	-245.85	-3,066.35	5,111.95	5,073.00	38.95	131.243	
6,133.33	6,132.91	5,558.92	5,519.35	19.45	21.61	75.28	-245.80	-3,070.65	5,115.61	5,076.64	38.97	131.280	
6,200.00	6,199.32	5,624.91	5,584.77	19.48	21.67	75.34	-245.72	-3,079.27	5,122.86	5,083.85	39.01	131.336	
6,300.00	6,298.94	5,723.89	5,682.91	19.54	21.76	75.45	-245.59	-3,092.18	5,133.75	5,094.67	39.07	131.384	
6,400.00	6,398.56	5,822.87	5,781.04	19.60	21.86	75.55	-245.46	-3,105.10	5,144.65	5,105.49	39.16	131.383	
6,500.00	6,498.18	5,921.85	5,879.17	19.67	21.97	75.65	-245.33	-3,118.02	5,155.57	5,116.32	39.26	131.334	
6,600.00	6,597.80	6,020.83	5,977.30	19.74	22.09	75.75	-245.20	-3,130.94	5,166.51	5,127.14	39.37	131.240	
6,700.00	6,697.42	6,119.81	6,075.43	19.82	22.21	75.85	-245.07	-3,143.86	5,177.46	5,137.97	39.49	131.100	
6,800.00	6,797.04	6,218.79	6,173.57	19.91	22.34	75.96	-244.94	-3,156.78	5,188.43	5,148.80	39.63	130.916	
6,900.00	6,896.66	6,317.76	6,271.70	20.01	22.47	76.06	-244.81	-3,169.70	5,199.42	5,159.63	39.78	130.689	
7,000.00	6,996.28	6,416.74	6,369.83	20.11	22.61	76.16	-244.68	-3,182.62	5,210.42	5,170.47	39.95	130.420	
7,100.00	7,095.90	6,515.72	6,467.96	20.22	22.76	76.26	-244.55	-3,195.53	5,221.44	5,181.31	40.13	130.110	
7,200.00	7,195.52	6,614.70	6,566.10	20.34	22.92	76.35	-244.41	-3,208.45	5,232.47	5,192.14	40.32	129.761	
7,300.00	7,295.14	6,713.68	6,664.23	20.46	23.08	76.45	-244.28	-3,221.37	5,243.52	5,202.99	40.53	129.374	
7,400.00	7,394.76	6,812.66	6,762.36	20.59	23.25	76.55	-244.15	-3,234.29	5,254.58	5,213.83	40.75	128.952	
7,500.00	7,494.38	6,911.64	6,860.49	20.73	23.42	76.65	-244.02	-3,247.21	5,265.66	5,224.68	40.98	128.494	
7,600.00	7,594.00	7,010.62	6,958.62	20.87	23.60	76.75	-243.89	-3,260.13	5,276.75	5,235.53	41.22	128.004	
7,700.00	7,693.62	7,109.60	7,056.76	21.02	23.78	76.84	-243.76	-3,273.05	5,287.86	5,246.38	41.48	127.483	
7,800.00	7,793.24	7,208.58	7,154.89	21.18	23.98	76.94	-243.63	-3,285.97	5,298.99	5,257.24	41.75	126.932	
7,900.00	7,892.85	7,307.55	7,253.02	21.34	24.17	77.04	-243.50	-3,298.88	5,310.13	5,268.10	42.03	126.353	
8,000.00	7,992.47	7,406.53	7,351.15	21.50	24.37	77.13	-243.37	-3,311.80	5,321.28	5,278.96	42.32	125.748	
8,100.00	8,092.09	7,505.51	7,449.29	21.68	24.58	77.23	-243.24	-3,324.72	5,332.45	5,289.83	42.62	125.119	
8,200.00	8,191.71	7,604.49	7,547.42	21.85	24.79	77.32	-243.11	-3,337.64	5,343.63	5,300.70	42.93	124.467	
8,300.00	8,291.33	7,703.47	7,645.55	22.04	25.01	77.42	-242.98	-3,350.56	5,354.83	5,311.58	43.26	123.793	
8,400.00	8,390.95	7,802.45	7,743.68	22.23	25.23	77.51	-242.85	-3,363.48	5,366.05	5,322.45	43.59	123.101	
8,432.50	8,423.33	7,834.62	7,775.58	22.29	25.31	77.54	-242.81	-3,367.68	5,369.69	5,325.99	43.70	122.870	
8,500.00	8,490.62	7,901.46	7,841.85	22.42	25.46	77.71	-242.72	-3,376.40	5,377.40	5,333.47	43.93	122.397	
8,600.00	8,590.46	8,000.58	7,940.12	22.61	25.69	77.95	-242.59	-3,389.34	5,389.29	5,345.00	44.28	121.705	
8,700.00	8,690.41	8,807.00	8,743.41	22.80	27.32	78.30	-242.00	-3,448.00	5,401.24	5,355.35	45.89	117.702	
8,765.83	8,756.24	8,872.83	8,809.24	22.91	27.42	-90.38	-242.00	-3,448.00	5,401.12	5,355.00	46.12	117.105	
8,800.00	8,790.41	8,907.00	8,843.41	22.97	27.47	-90.38	-242.00	-3,448.00	5,401.12	5,354.88	46.24	116.806	
8,900.00	8,890.41	9,007.00	8,943.41	23.14	27.63	-90.38	-242.00	-3,448.00	5,401.12	5,354.53	46.59	115.922	
9,000.00	8,990.41	9,107.00	9,043.41	23.32	27.79	-90.38	-242.00	-3,448.00	5,401.12	5,354.17	46.95	115.030	
9,100.00	9,090.41	9,207.00	9,143.41	23.50	27.95	-90.38	-242.00	-3,448.00	5,401.12	5,353.80	47.32	114.133	
9,200.00	9,190.41	9,307.00	9,243.41	23.68	28.12	-90.38	-242.00	-3,448.00	5,401.12	5,353.42	47.70	113.231	
9,300.00	9,290.41	9,407.00	9,343.41	23.87	28.29	-90.38	-242.00	-3,448.00	5,401.12	5,353.04	48.08	112.325	
9,400.00	9,390.41	9,507.00	9,443.41	24.06	28.47	-90.38	-242.00	-3,448.00	5,401.12	5,352.64	48.48	111.416	
9,500.00	9,490.41	9,607.00	9,543.41	24.26	28.64	-90.38	-242.00	-3,448.00	5,401.12	5,352.24	48.88	110.505	
9,600.00	9,590.41	9,707.00	9,643.41	24.45	28.82	-90.38	-242.00	-3,448.00	5,401.12	5,351.84	49.28	109.593	
9,700.00	9,690.41	9,807.00	9,743.41	24.66	29.01	-90.38	-242.00	-3,448.00	5,401.12	5,351.42	49.70	108.680	
9,800.00	9,790.41	9,907.00	9,843.41	24.86	29.20	-90.38	-242.00	-3,448.00	5,401.12	5,351.00	50.12	107.768	
9,900.00	9,890.41	10,007.00	9,943.41	25.07	29.39	-90.38	-242.00	-3,448.00	5,401.12	5,350.57	50.55	106.857	

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:	217H	**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	9,990.41	10,107.00	10,043.41	25.29	29.58	-90.38	-242.00	-3,448.00	5,401.12	5,350.14	50.98	105.947	
10,100.00	10,090.41	10,207.00	10,143.41	25.50	29.78	-90.38	-242.00	-3,448.00	5,401.12	5,349.70	51.42	105.040	
10,200.00	10,190.41	10,307.00	10,243.41	25.72	29.98	-90.38	-242.00	-3,448.00	5,401.12	5,349.25	51.87	104.136	
10,300.00	10,290.41	10,407.00	10,343.41	25.95	30.18	-90.38	-242.00	-3,448.00	5,401.12	5,348.80	52.32	103.236	
10,400.00	10,390.41	10,507.00	10,443.41	26.17	30.39	-90.38	-242.00	-3,448.00	5,401.12	5,348.34	52.78	102.339	
10,500.00	10,490.41	10,607.00	10,543.41	26.40	30.60	-90.38	-242.00	-3,448.00	5,401.12	5,347.88	53.24	101.447	
10,600.00	10,590.41	10,707.00	10,643.41	26.63	30.81	-90.38	-242.00	-3,448.00	5,401.12	5,347.41	53.71	100.560	
10,700.00	10,690.41	10,807.00	10,743.41	26.87	31.02	-90.38	-242.00	-3,448.00	5,401.12	5,346.93	54.19	99.679	
10,800.00	10,790.41	10,907.00	10,843.41	27.10	31.24	-90.38	-242.00	-3,448.00	5,401.12	5,346.45	54.67	98.803	
10,900.00	10,890.41	11,007.00	10,943.41	27.34	31.46	-90.38	-242.00	-3,448.00	5,401.12	5,345.97	55.15	97.934	
11,000.00	10,990.41	11,107.00	11,043.41	27.58	31.68	-90.38	-242.00	-3,448.00	5,401.12	5,345.48	55.64	97.071	
11,100.00	11,090.41	11,207.00	11,143.41	27.83	31.91	-90.38	-242.00	-3,448.00	5,401.12	5,344.98	56.14	96.214	
11,200.00	11,190.41	11,307.00	11,243.41	28.08	32.13	-90.38	-242.00	-3,448.00	5,401.12	5,344.48	56.64	95.365	
11,300.00	11,290.41	11,407.00	11,343.41	28.33	32.36	-90.38	-242.00	-3,448.00	5,401.12	5,343.98	57.14	94.523	
11,400.00	11,390.41	11,507.00	11,443.41	28.58	32.59	-90.38	-242.00	-3,448.00	5,401.12	5,343.47	57.65	93.688	
11,500.00	11,490.41	11,607.00	11,543.41	28.83	32.83	-90.38	-242.00	-3,448.00	5,401.12	5,342.96	58.16	92.861	
11,600.00	11,590.41	11,707.00	11,643.41	29.09	33.06	-90.38	-242.00	-3,448.00	5,401.12	5,342.44	58.68	92.041	
11,700.00	11,690.41	11,807.00	11,743.41	29.35	33.30	-90.38	-242.00	-3,448.00	5,401.12	5,341.92	59.20	91.230	
11,800.00	11,790.41	11,907.00	11,843.41	29.61	33.54	-90.38	-242.00	-3,448.00	5,401.12	5,341.39	59.73	90.427	
11,900.00	11,890.41	12,007.00	11,943.41	29.87	33.78	-90.38	-242.00	-3,448.00	5,401.12	5,340.86	60.26	89.631	
11,989.60	11,980.00	12,103.41	12,033.00	30.11	34.02	-90.38	-242.00	-3,448.00	5,401.12	5,340.36	60.76	88.899	
12,000.00	11,990.40	12,107.00	12,043.40	30.13	34.03	-90.08	-242.00	-3,448.00	5,401.12	5,340.33	60.79	88.845	
12,050.00	12,040.29	12,156.89	12,093.29	30.26	34.15	-90.12	-242.00	-3,448.00	5,401.13	5,340.07	61.06	88.462	
12,100.00	12,089.72	12,206.64	12,143.05	30.38	34.27	-90.19	-241.94	-3,448.00	5,401.15	5,339.83	61.31	88.092	
12,150.00	12,138.32	12,258.33	12,194.63	30.50	34.40	-90.26	-238.89	-3,448.01	5,401.18	5,339.61	61.57	87.728	
12,200.00	12,185.71	12,310.89	12,246.58	30.61	34.53	-90.38	-231.03	-3,448.05	5,401.22	5,339.41	61.82	87.374	
12,250.00	12,231.53	12,364.35	12,298.46	30.71	34.66	-90.47	-218.19	-3,448.10	5,401.28	5,339.21	62.06	87.028	
12,300.00	12,275.44	12,418.72	12,349.75	30.81	34.79	-90.55	-200.23	-3,448.18	5,401.33	5,339.03	62.31	86.689	
12,350.00	12,317.10	12,473.99	12,399.92	30.90	34.92	-90.64	-177.08	-3,448.28	5,401.39	5,338.84	62.55	86.352	
12,400.00	12,356.20	12,530.16	12,448.37	31.00	35.04	-90.71	-148.71	-3,448.41	5,401.46	5,338.66	62.80	86.014	
12,450.00	12,392.43	12,587.18	12,494.48	31.09	35.17	-90.79	-115.20	-3,448.55	5,401.52	5,338.47	63.05	85.671	
12,500.00	12,425.53	12,645.03	12,537.62	31.19	35.29	-90.85	-76.70	-3,448.72	5,401.57	5,338.26	63.31	85.317	
12,550.00	12,455.23	12,703.63	12,577.13	31.29	35.42	-90.91	-33.46	-3,448.91	5,401.62	5,338.03	63.59	84.946	
12,600.00	12,481.32	12,762.91	12,612.40	31.40	35.54	-90.97	14.15	-3,449.12	5,401.66	5,337.78	63.88	84.555	
12,650.00	12,503.59	12,822.76	12,642.84	31.52	35.68	-91.01	65.66	-3,449.34	5,401.69	5,337.49	64.20	84.138	
12,700.00	12,521.87	12,883.09	12,667.90	31.65	35.83	-91.04	120.49	-3,449.58	5,401.69	5,337.15	64.54	83.695	
12,750.00	12,536.04	12,943.75	12,687.16	31.79	35.99	-91.07	177.99	-3,449.83	5,401.69	5,336.78	64.90	83.225	
12,789.60	12,544.25	12,991.93	12,698.06	31.91	36.13	-91.08	224.91	-3,450.04	5,401.67	5,336.45	65.21	82.832	
12,800.00	12,546.06	13,003.53	12,700.11	36.93	36.84	-91.08	236.32	-3,450.09	5,401.66	5,336.38	65.28	82.743	
12,814.60	12,548.59	13,018.12	12,702.65	36.94	39.87	-91.08	250.70	-3,450.15	5,401.65	5,336.28	65.36	82.643	
12,850.00	12,554.10	13,052.49	12,708.18	36.95	41.08	-91.08	284.61	-3,450.31	5,401.62	5,336.07	65.55	82.406	
12,900.00	12,559.65	13,100.76	12,713.91	36.98	41.16	-91.08	332.53	-3,450.59	5,401.58	5,335.74	65.84	82.039	
12,950.00	12,562.59	13,149.06	12,717.22	37.00	41.25	-91.08	380.71	-3,450.93	5,401.56	5,335.39	66.18	81.625	
12,981.32	12,563.11	13,179.32	12,718.04	37.02	41.31	-91.08	410.96	-3,451.17	5,401.56	5,335.15	66.41	81.342	
13,000.00	12,563.10	13,202.38	12,718.11	37.03	41.35	-91.08	429.26	-3,451.33	5,401.55	5,334.98	66.57	81.139	
13,100.00	12,563.10	13,302.38	12,718.10	37.08	41.57	-91.08	529.25	-3,452.21	5,401.54	5,334.09	67.45	80.083	
13,200.00	12,563.10	13,402.38	12,718.10	37.13	41.82	-91.08	629.25	-3,453.08	5,401.53	5,333.05	68.48	78.882	
13,300.00	12,563.10	13,502.38	12,718.10	37.19	42.11	-91.08	729.24	-3,453.96	5,401.52	5,331.87	69.65	77.557	
13,400.00	12,563.10	13,602.38	12,718.10	37.24	42.45	-91.08	829.24	-3,454.84	5,401.51	5,330.56	70.95	76.129	
13,500.00	12,563.09	13,702.38	12,718.09	37.30	42.84	-91.08	929.24	-3,455.72	5,401.50	5,329.11	72.39	74.620	
13,600.00	12,563.09	13,797.62	12,718.09	37.37	43.27	-91.08	1,029.23	-3,456.59	5,401.48	5,327.58	73.90	73.089	
13,700.00	12,563.09	13,902.38	12,718.09	37.44	43.81	-91.08	1,129.23	-3,457.47	5,401.47	5,325.86	75.61	71.436	

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:	217H	**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	12,563.09	14,002.38	12,718.09	37.62	44.39	-91.08	1,229.23	-3,458.35	5,401.46	5,324.07	77.39	69.796	
13,900.00	12,563.08	14,102.38	12,718.08	38.40	45.04	-91.08	1,329.22	-3,459.23	5,401.45	5,322.18	79.27	68.144	
14,000.00	12,563.08	14,197.62	12,718.08	39.34	45.72	-91.08	1,429.22	-3,460.10	5,401.44	5,320.25	81.18	66.533	
14,100.00	12,563.08	14,302.38	12,718.08	40.34	46.54	-91.08	1,529.21	-3,460.98	5,401.43	5,318.14	83.29	64.853	
14,200.00	12,563.08	14,402.38	12,718.08	41.38	47.39	-91.08	1,629.21	-3,461.86	5,401.42	5,315.99	85.42	63.233	
14,300.00	12,563.07	14,502.38	12,718.07	42.46	48.30	-91.08	1,729.21	-3,462.73	5,401.40	5,313.78	87.63	61.640	
14,400.00	12,563.07	14,602.38	12,718.07	43.58	49.27	-91.08	1,829.20	-3,463.61	5,401.39	5,311.49	89.90	60.079	
14,500.00	12,563.07	14,702.38	12,718.07	44.73	50.29	-91.08	1,929.20	-3,464.49	5,401.38	5,309.14	92.24	58.556	
14,600.00	12,563.07	14,802.38	12,718.07	45.91	51.35	-91.08	2,029.19	-3,465.37	5,401.37	5,306.73	94.64	57.072	
14,700.00	12,563.06	14,902.38	12,718.06	47.12	52.45	-91.08	2,129.19	-3,466.24	5,401.36	5,304.27	97.09	55.631	
14,800.00	12,563.06	15,002.38	12,718.06	48.36	53.59	-91.08	2,229.19	-3,467.12	5,401.35	5,301.75	99.60	54.233	
14,900.00	12,563.06	15,102.38	12,718.06	49.62	54.77	-91.08	2,329.18	-3,468.00	5,401.34	5,299.19	102.14	52.879	
15,000.00	12,563.05	15,202.38	12,718.06	50.91	55.97	-91.08	2,429.18	-3,468.88	5,401.32	5,296.59	104.74	51.571	
15,100.00	12,563.05	15,302.38	12,718.05	52.21	57.20	-91.08	2,529.18	-3,469.75	5,401.31	5,293.94	107.37	50.306	
15,200.00	12,563.05	15,402.38	12,718.05	53.54	58.46	-91.08	2,629.17	-3,470.63	5,401.30	5,291.26	110.04	49.086	
15,300.00	12,563.05	15,502.38	12,718.05	54.88	59.75	-91.08	2,729.17	-3,471.51	5,401.29	5,288.55	112.74	47.909	
15,400.00	12,563.05	15,602.38	12,718.05	56.25	61.05	-91.08	2,829.16	-3,472.38	5,401.28	5,285.80	115.48	46.774	
15,500.00	12,563.04	15,697.62	12,718.04	57.62	62.31	-91.08	2,929.16	-3,473.26	5,401.27	5,283.09	118.18	45.705	
15,600.00	12,563.04	15,802.38	12,718.04	59.01	63.71	-91.08	3,029.16	-3,474.14	5,401.26	5,280.22	121.04	44.625	
15,700.00	12,563.04	15,902.38	12,718.04	60.42	65.07	-91.08	3,129.15	-3,475.02	5,401.24	5,277.39	123.86	43.609	
15,800.00	12,563.04	16,002.38	12,718.04	61.84	66.44	-91.08	3,229.15	-3,475.89	5,401.23	5,274.53	126.70	42.630	
15,900.00	12,563.03	16,102.38	12,718.03	63.27	67.83	-91.08	3,329.14	-3,476.77	5,401.22	5,271.66	129.57	41.687	
16,000.00	12,563.03	16,202.38	12,718.03	64.71	69.23	-91.08	3,429.14	-3,477.65	5,401.21	5,268.76	132.45	40.778	
16,100.00	12,563.03	16,302.38	12,718.03	66.16	70.65	-91.08	3,529.14	-3,478.53	5,401.20	5,265.84	135.36	39.903	
16,200.00	12,563.03	16,402.38	12,718.03	67.62	72.07	-91.08	3,629.13	-3,479.40	5,401.19	5,262.90	138.29	39.058	
16,300.00	12,563.02	16,502.38	12,718.02	69.08	73.51	-91.08	3,729.13	-3,480.28	5,401.18	5,259.95	141.23	38.244	
16,400.00	12,563.02	16,602.38	12,718.02	70.56	74.95	-91.08	3,829.13	-3,481.16	5,401.16	5,256.98	144.19	37.459	
16,500.00	12,563.02	16,702.38	12,718.02	72.05	76.41	-91.08	3,929.12	-3,482.04	5,401.15	5,253.99	147.16	36.702	
16,600.00	12,563.02	16,802.38	12,718.02	73.54	77.87	-91.08	4,029.12	-3,482.91	5,401.14	5,250.99	150.15	35.971	
16,700.00	12,563.01	16,902.38	12,718.02	75.04	79.34	-91.08	4,129.11	-3,483.79	5,401.13	5,247.98	153.15	35.266	
16,800.00	12,563.01	17,002.38	12,718.01	76.55	80.82	-91.08	4,229.11	-3,484.67	5,401.12	5,244.95	156.17	34.585	
16,900.00	12,563.01	17,102.38	12,718.01	78.06	82.31	-91.08	4,329.11	-3,485.54	5,401.11	5,241.91	159.20	33.927	
17,000.00	12,563.01	17,202.38	12,718.01	79.58	83.80	-91.08	4,429.10	-3,486.42	5,401.09	5,238.86	162.23	33.292	
17,100.00	12,563.00	17,302.38	12,718.01	81.10	85.30	-91.08	4,529.10	-3,487.30	5,401.08	5,235.80	165.28	32.678	
17,200.00	12,563.00	17,402.38	12,718.00	82.63	86.81	-91.08	4,629.09	-3,488.18	5,401.07	5,232.73	168.34	32.084	
17,281.54	12,563.00	17,479.15	12,718.00	83.88	87.97	-91.08	4,710.63	-3,488.89	5,401.05	5,230.29	170.77	31.627 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:	217H	**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	-90.54	0.00	0.00	1,998.09				
100.00	100.00	132.00	132.00	0.13	0.24	-90.54	0.00	0.00	1,998.09	1,997.72	0.37	5,411.564	
200.00	200.00	232.00	232.00	0.49	0.60	-90.54	0.00	0.00	1,998.09	1,997.00	1.09	1,839.576	
300.00	300.00	332.00	332.00	0.84	0.96	-90.54	0.00	0.00	1,998.09	1,996.29	1.80	1,108.134	
400.00	400.00	432.00	432.00	1.20	1.32	-90.54	0.00	0.00	1,998.09	1,995.57	2.52	792.876	
500.00	500.00	532.00	532.00	1.56	1.68	-90.54	0.00	0.00	1,998.09	1,994.85	3.24	617.266	
600.00	600.00	632.00	632.00	1.92	2.03	-90.54	0.00	0.00	1,998.09	1,994.14	3.95	505.341	
700.00	700.00	732.00	732.00	2.28	2.39	-90.54	0.00	0.00	1,998.09	1,993.42	4.67	427.776	
700.98	700.98	732.98	732.98	2.28	2.40	-90.54	0.00	0.00	1,998.09	1,993.41	4.68	427.133	CC
800.00	800.00	831.30	831.30	2.64	2.71	-90.55	-0.02	-0.06	1,998.18	1,992.83	5.35	373.694	ES
900.00	900.00	887.85	887.84	3.00	2.94	-90.55	-0.29	-0.97	1,999.55	1,993.61	5.94	336.850	
1,000.00	1,000.00	954.35	954.31	3.35	3.17	-90.57	-0.90	-2.99	2,002.59	1,996.07	6.52	307.173	
1,100.00	1,100.00	1,020.75	1,020.63	3.71	3.40	-90.60	-1.84	-6.11	2,007.31	2,000.21	7.10	282.703	
1,200.00	1,200.00	1,087.02	1,086.75	4.07	3.63	-90.63	-3.11	-10.32	2,013.69	2,006.01	7.68	262.176	
1,300.00	1,300.00	1,153.12	1,152.62	4.43	3.86	-90.67	-4.70	-15.62	2,021.73	2,013.47	8.26	244.766	
1,400.00	1,400.00	1,228.72	1,227.83	4.79	4.13	-90.73	-6.90	-22.91	2,031.36	2,022.49	8.87	228.924	
1,500.00	1,500.00	1,328.17	1,326.74	5.15	4.50	-90.82	-9.90	-32.86	2,041.42	2,031.84	9.58	213.090	
1,600.00	1,600.00	1,427.63	1,425.65	5.50	4.86	-90.90	-12.90	-42.82	2,051.47	2,041.18	10.29	199.413	
1,700.00	1,700.00	1,527.08	1,524.56	5.86	5.23	-90.97	-15.90	-52.77	2,061.53	2,050.53	11.00	187.439	
1,800.00	1,800.00	1,626.53	1,623.46	6.22	5.61	-91.05	-18.89	-62.73	2,071.60	2,059.89	11.71	176.896	
1,900.00	1,900.00	1,725.98	1,722.37	6.58	5.99	-91.13	-21.89	-72.68	2,081.67	2,069.24	12.42	167.544	
2,000.00	2,000.00	1,825.44	1,821.28	6.94	6.37	-91.21	-24.89	-82.63	2,091.74	2,078.60	13.14	159.194	
2,100.00	2,100.00	1,924.89	1,920.19	7.30	6.75	-91.28	-27.89	-92.59	2,101.81	2,087.96	13.86	151.696	
2,200.00	2,200.00	2,024.34	2,019.09	7.66	7.13	-91.36	-30.89	-102.54	2,111.89	2,097.32	14.57	144.927	
2,300.00	2,300.00	2,123.79	2,118.00	8.01	7.51	-91.44	-33.88	-112.50	2,121.98	2,106.69	15.29	138.787	
2,400.00	2,400.00	2,223.24	2,216.91	8.37	7.90	-91.51	-36.88	-122.45	2,132.06	2,116.06	16.01	133.193	
2,500.00	2,500.00	2,322.70	2,315.82	8.73	8.28	-91.58	-39.88	-132.40	2,142.15	2,125.43	16.73	128.075	
2,600.00	2,600.00	2,422.15	2,414.72	9.09	8.67	-91.66	-42.88	-142.36	2,152.25	2,134.80	17.44	123.376	
2,700.00	2,700.00	2,521.60	2,513.63	9.45	9.06	-91.73	-45.88	-152.31	2,162.34	2,144.18	18.16	119.047	
2,800.00	2,800.00	2,621.05	2,612.54	9.81	9.45	-91.80	-48.87	-162.26	2,172.44	2,153.56	18.88	115.046	
2,900.00	2,900.00	2,720.51	2,711.44	10.16	9.83	-91.87	-51.87	-172.22	2,182.55	2,162.94	19.60	111.337	
3,000.00	3,000.00	2,819.96	2,810.35	10.52	10.22	-91.94	-54.87	-182.17	2,192.65	2,172.33	20.32	107.890	
3,100.00	3,100.00	2,919.41	2,909.26	10.88	10.61	-92.01	-57.87	-192.13	2,202.77	2,181.72	21.04	104.678	
3,200.00	3,200.00	3,018.86	3,008.17	11.24	11.00	-92.08	-60.87	-202.08	2,212.88	2,191.11	21.76	101.677	
3,300.00	3,300.00	3,118.31	3,107.07	11.60	11.39	-92.15	-63.87	-212.03	2,223.00	2,200.51	22.48	98.869	
3,400.00	3,400.00	3,217.77	3,205.98	11.96	11.78	-92.21	-66.86	-221.99	2,233.11	2,209.91	23.21	96.234	
3,500.00	3,500.00	3,317.22	3,304.89	12.32	12.17	-92.28	-69.86	-231.94	2,243.24	2,219.31	23.93	93.757	
3,600.00	3,600.00	3,416.67	3,403.80	12.67	12.56	-92.35	-72.86	-241.90	2,253.36	2,228.72	24.65	91.426	
3,700.00	3,700.00	3,516.12	3,502.70	13.03	12.95	-92.41	-75.86	-251.85	2,263.49	2,238.12	25.37	89.226	
3,800.00	3,800.00	3,615.57	3,601.61	13.39	13.35	-92.48	-78.86	-261.80	2,273.62	2,247.53	26.09	87.148	
3,900.00	3,900.00	3,715.03	3,700.52	13.75	13.74	-92.54	-81.85	-271.76	2,283.76	2,256.95	26.81	85.181	
4,000.00	4,000.00	3,814.48	3,799.43	14.11	14.13	-92.61	-84.85	-281.71	2,293.90	2,266.36	27.53	83.318	
4,100.00	4,100.00	3,913.93	3,898.33	14.47	14.52	-92.67	-87.85	-291.66	2,304.04	2,275.78	28.25	81.549	
4,200.00	4,200.00	4,013.38	3,997.24	14.82	14.91	-92.73	-90.85	-301.62	2,314.18	2,285.20	28.97	79.868	
4,300.00	4,300.00	4,112.84	4,096.15	15.18	15.30	-92.80	-93.85	-311.57	2,324.32	2,294.63	29.70	78.269	
4,400.00	4,400.00	4,212.29	4,195.06	15.54	15.70	-92.86	-96.85	-321.53	2,334.47	2,304.05	30.42	76.746	
4,500.00	4,500.00	4,311.74	4,293.96	15.90	16.09	-92.92	-99.84	-331.48	2,344.62	2,313.48	31.14	75.294	
4,600.00	4,600.00	4,411.19	4,392.87	16.26	16.48	-92.98	-102.84	-341.43	2,354.78	2,322.92	31.86	73.907	
4,700.00	4,700.00	4,510.64	4,491.78	16.62	16.87	-93.04	-105.84	-351.39	2,364.93	2,332.35	32.58	72.581	
4,800.00	4,800.00	4,610.10	4,590.69	16.98	17.27	-93.10	-108.84	-361.34	2,375.09	2,341.79	33.31	71.313	
4,900.00	4,900.00	4,709.55	4,689.59	17.33	17.66	-93.16	-111.84	-371.30	2,385.25	2,351.23	34.03	70.099	
5,000.00	5,000.00	4,809.00	4,788.50	17.69	18.05	-93.22	-114.83	-381.25	2,395.42	2,360.67	34.75	68.936	

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:	217H	**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	5,100.00	4,908.45	4,887.41	18.05	18.44	-93.28	-117.83	-391.20	2,405.59	2,370.11	35.47	67.819	
5,200.00	5,200.00	5,007.91	4,986.31	18.41	18.84	-93.34	-120.83	-401.16	2,415.75	2,379.56	36.19	66.747	
5,300.00	5,300.00	5,107.36	5,085.22	18.77	19.23	-93.39	-123.83	-411.11	2,425.93	2,389.01	36.91	65.718	
5,400.00	5,400.00	5,206.81	5,184.13	19.13	19.62	-93.45	-126.83	-421.06	2,436.10	2,398.46	37.64	64.727	
5,500.00	5,500.00	5,306.26	5,283.04	19.31	20.02	-93.51	-129.82	-431.02	2,446.28	2,408.09	38.18	64.071	
5,600.00	5,600.00	5,405.71	5,381.94	19.31	20.40	-93.56	-132.82	-440.97	2,456.45	2,417.91	38.54	63.733	
5,700.00	5,700.00	5,505.17	5,480.85	19.33	20.61	-93.62	-135.82	-450.93	2,466.63	2,427.90	38.73	63.684	
5,800.00	5,800.00	5,604.62	5,579.76	19.35	20.67	-93.67	-138.82	-460.88	2,476.82	2,438.06	38.76	63.896	
5,900.00	5,899.99	5,704.12	5,678.72	19.37	20.73	74.85	-141.82	-470.84	2,486.66	2,447.86	38.80	64.082	
6,000.00	5,999.91	5,803.69	5,777.74	19.40	20.81	74.75	-144.82	-480.80	2,495.83	2,456.97	38.86	64.227	
6,100.00	6,099.69	5,903.25	5,876.75	19.44	20.89	74.72	-147.82	-490.77	2,504.31	2,465.38	38.93	64.330	
6,133.33	6,132.91	5,936.42	5,909.74	19.45	20.91	74.72	-148.82	-494.09	2,506.99	2,468.03	38.96	64.354	
6,200.00	6,199.32	6,002.76	5,975.71	19.48	20.97	74.81	-150.82	-500.73	2,512.27	2,473.26	39.01	64.394	
6,300.00	6,298.94	6,102.26	6,074.67	19.54	21.06	74.95	-153.82	-510.69	2,520.21	2,481.10	39.11	64.433	
6,400.00	6,398.56	6,201.76	6,173.63	19.60	21.16	75.09	-156.82	-520.65	2,528.16	2,488.93	39.23	64.449	
6,500.00	6,498.18	6,301.26	6,272.59	19.67	21.27	75.22	-159.82	-530.61	2,536.12	2,496.77	39.36	64.442	
6,600.00	6,597.80	6,400.77	6,371.54	19.74	21.39	75.36	-162.82	-540.56	2,544.10	2,504.60	39.50	64.413	
6,700.00	6,697.42	6,500.27	6,470.50	19.82	21.51	75.49	-165.82	-550.52	2,552.09	2,512.44	39.65	64.361	
6,800.00	6,797.04	6,600.23	6,569.46	19.91	21.63	75.62	-168.82	-560.48	2,560.10	2,520.28	39.82	64.288	
6,900.00	6,896.66	6,700.73	6,668.42	20.01	21.77	75.76	-171.82	-570.44	2,568.12	2,528.11	40.01	64.192	
7,000.00	6,996.28	6,801.23	6,767.37	20.11	21.91	75.89	-174.82	-580.40	2,576.15	2,535.95	40.20	64.077	
7,100.00	7,095.90	6,901.72	6,866.33	20.22	22.06	76.02	-177.82	-590.36	2,584.20	2,543.79	40.41	63.942	
7,200.00	7,195.52	7,002.22	6,965.29	20.34	22.21	76.15	-180.82	-600.32	2,592.26	2,551.62	40.64	63.788	
7,300.00	7,295.14	7,097.28	7,064.25	20.46	22.36	76.28	-183.82	-610.28	2,600.33	2,559.46	40.87	63.625	
7,400.00	7,394.76	7,203.22	7,163.20	20.59	22.54	76.41	-186.82	-620.24	2,608.42	2,567.29	41.13	63.426	
7,500.00	7,494.38	7,303.71	7,262.16	20.73	22.71	76.53	-189.82	-630.19	2,616.52	2,575.13	41.39	63.220	
7,600.00	7,594.00	7,404.21	7,361.12	20.87	22.88	76.66	-192.82	-640.15	2,624.63	2,582.97	41.66	62.998	
7,700.00	7,693.62	7,495.29	7,460.08	21.02	23.05	76.79	-195.82	-650.11	2,632.76	2,590.82	41.94	62.781	
7,800.00	7,793.24	7,605.21	7,559.03	21.18	23.26	76.91	-198.82	-660.07	2,640.89	2,598.65	42.25	62.512	
7,900.00	7,892.85	7,705.70	7,657.99	21.34	23.45	77.04	-201.82	-670.03	2,649.04	2,606.49	42.56	62.248	
8,000.00	7,992.47	7,793.80	7,756.95	21.50	23.62	77.16	-204.82	-679.99	2,657.21	2,614.35	42.86	62.000	
8,100.00	8,092.09	7,906.70	7,855.90	21.68	23.85	77.28	-207.82	-689.95	2,665.38	2,622.17	43.21	61.686	
8,200.00	8,191.71	7,992.80	7,954.86	21.85	24.03	77.40	-210.82	-699.91	2,673.57	2,630.04	43.53	61.421	
8,300.00	8,291.33	8,107.69	8,053.82	22.04	24.27	77.52	-213.81	-709.87	2,681.77	2,637.86	43.91	61.081	
8,400.00	8,390.95	8,191.81	8,152.78	22.23	24.45	77.65	-216.81	-719.82	2,689.98	2,645.74	44.24	60.804	
8,432.50	8,423.33	8,224.15	8,184.94	22.29	24.52	77.68	-217.79	-723.06	2,692.65	2,648.29	44.36	60.700	
8,500.00	8,490.62	8,350.76	8,310.95	22.42	24.80	77.89	-221.32	-734.78	2,698.01	2,653.27	44.74	60.301	
8,600.00	8,590.46	8,661.47	8,621.32	22.61	25.37	78.22	-225.00	-747.00	2,700.80	2,655.32	45.48	59.379	
8,700.00	8,690.41	8,762.56	8,722.41	22.80	25.53	78.28	-225.00	-747.00	2,700.18	2,654.34	45.84	58.899	
8,765.83	8,756.24	8,828.39	8,788.24	22.91	25.63	-90.40	-225.00	-747.00	2,700.07	2,653.99	46.07	58.603	
8,800.00	8,790.41	8,862.56	8,822.41	22.97	25.69	-90.40	-225.00	-747.00	2,700.07	2,653.88	46.19	58.454	
8,900.00	8,890.41	8,962.56	8,922.41	23.14	25.85	-90.40	-225.00	-747.00	2,700.07	2,653.53	46.54	58.016	
9,000.00	8,990.41	9,062.56	9,022.41	23.32	26.02	-90.40	-225.00	-747.00	2,700.07	2,653.17	46.90	57.574	
9,100.00	9,090.41	9,162.56	9,122.41	23.50	26.19	-90.40	-225.00	-747.00	2,700.07	2,652.80	47.26	57.129	
9,200.00	9,190.41	9,262.56	9,222.41	23.68	26.36	-90.40	-225.00	-747.00	2,700.07	2,652.43	47.64	56.681	
9,300.00	9,290.41	9,362.56	9,322.41	23.87	26.54	-90.40	-225.00	-747.00	2,700.07	2,652.05	48.02	56.231	
9,400.00	9,390.41	9,462.56	9,422.41	24.06	26.72	-90.40	-225.00	-747.00	2,700.07	2,651.66	48.41	55.780	
9,500.00	9,490.41	9,562.56	9,522.41	24.26	26.90	-90.40	-225.00	-747.00	2,700.07	2,651.26	48.80	55.327	
9,600.00	9,590.41	9,662.56	9,622.41	24.45	27.09	-90.40	-225.00	-747.00	2,700.07	2,650.86	49.21	54.873	
9,700.00	9,690.41	9,762.56	9,722.41	24.66	27.28	-90.40	-225.00	-747.00	2,700.07	2,650.45	49.62	54.419	
9,800.00	9,790.41	9,862.56	9,822.41	24.86	27.48	-90.40	-225.00	-747.00	2,700.07	2,650.03	50.03	53.965	
9,900.00	9,890.41	9,962.56	9,922.41	25.07	27.68	-90.40	-225.00	-747.00	2,700.07	2,649.61	50.46	53.511	

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:	217H	**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
10,000.00	9,990.41	10,062.56	10,022.41	25.29	27.88	-90.40	-225.00	-747.00	2,700.07	2,649.18	50.89	53.059	
10,100.00	10,090.41	10,162.56	10,122.41	25.50	28.08	-90.40	-225.00	-747.00	2,700.07	2,648.74	51.33	52.607	
10,200.00	10,190.41	10,262.56	10,222.41	25.72	28.29	-90.40	-225.00	-747.00	2,700.07	2,648.30	51.77	52.156	
10,300.00	10,290.41	10,362.56	10,322.41	25.95	28.50	-90.40	-225.00	-747.00	2,700.07	2,647.85	52.22	51.707	
10,400.00	10,390.41	10,462.56	10,422.41	26.17	28.72	-90.40	-225.00	-747.00	2,700.07	2,647.39	52.67	51.260	
10,500.00	10,490.41	10,562.56	10,522.41	26.40	28.93	-90.40	-225.00	-747.00	2,700.07	2,646.93	53.13	50.815	
10,600.00	10,590.41	10,662.56	10,622.41	26.63	29.15	-90.40	-225.00	-747.00	2,700.07	2,646.47	53.60	50.373	
10,700.00	10,690.41	10,762.56	10,722.41	26.87	29.37	-90.40	-225.00	-747.00	2,700.07	2,645.99	54.07	49.933	
10,800.00	10,790.41	10,862.56	10,822.41	27.10	29.60	-90.40	-225.00	-747.00	2,700.07	2,645.52	54.55	49.496	
10,900.00	10,890.41	10,962.56	10,922.41	27.34	29.83	-90.40	-225.00	-747.00	2,700.07	2,645.03	55.03	49.062	
11,000.00	10,990.41	11,062.56	11,022.41	27.58	30.06	-90.40	-225.00	-747.00	2,700.07	2,644.54	55.52	48.630	
11,100.00	11,090.41	11,162.56	11,122.41	27.83	30.29	-90.40	-225.00	-747.00	2,700.07	2,644.05	56.01	48.203	
11,200.00	11,190.41	11,262.56	11,222.41	28.08	30.52	-90.40	-225.00	-747.00	2,700.07	2,643.55	56.51	47.778	
11,300.00	11,290.41	11,362.56	11,322.41	28.33	30.76	-90.40	-225.00	-747.00	2,700.07	2,643.05	57.01	47.357	
11,400.00	11,390.41	11,462.56	11,422.41	28.58	31.00	-90.40	-225.00	-747.00	2,700.07	2,642.55	57.52	46.940	
11,500.00	11,490.41	11,562.56	11,522.41	28.83	31.24	-90.40	-225.00	-747.00	2,700.07	2,642.03	58.03	46.527	
11,600.00	11,590.41	11,662.56	11,622.41	29.09	31.49	-90.40	-225.00	-747.00	2,700.07	2,641.52	58.55	46.117	
11,700.00	11,690.41	11,762.56	11,722.41	29.35	31.73	-90.40	-225.00	-747.00	2,700.07	2,641.00	59.07	45.711	
11,800.00	11,790.41	11,862.56	11,822.41	29.61	31.98	-90.40	-225.00	-747.00	2,700.07	2,640.48	59.59	45.309	
11,900.00	11,890.41	11,962.66	11,922.51	29.87	32.23	-90.40	-224.86	-747.00	2,700.07	2,639.95	60.12	44.912	
11,962.08	11,952.48	12,024.85	11,984.48	30.03	32.38	-90.30	-220.14	-747.03	2,700.06	2,639.62	60.44	44.671	
11,989.60	11,980.00	12,051.94	12,011.25	30.11	32.44	-90.21	-215.98	-747.05	2,700.07	2,639.48	60.58	44.568	
12,000.00	11,990.40	12,062.09	12,021.23	30.13	32.46	-89.87	-214.10	-747.06	2,700.07	2,639.43	60.64	44.530	
12,050.00	12,040.29	12,110.44	12,068.21	30.26	32.57	-89.69	-202.73	-747.12	2,700.10	2,639.23	60.88	44.353	
12,100.00	12,089.72	12,158.11	12,113.42	30.38	32.66	-89.51	-187.67	-747.20	2,700.16	2,639.06	61.10	44.190	
12,150.00	12,138.32	12,205.15	12,156.66	30.50	32.75	-89.34	-169.19	-747.29	2,700.25	2,638.93	61.32	44.038	
12,200.00	12,185.71	12,251.59	12,197.72	30.61	32.82	-89.17	-147.52	-747.41	2,700.36	2,638.84	61.52	43.897	
12,250.00	12,231.53	12,297.49	12,236.45	30.71	32.89	-89.00	-122.91	-747.53	2,700.48	2,638.78	61.71	43.764	
12,300.00	12,275.44	12,342.88	12,272.69	30.81	32.95	-88.85	-95.59	-747.68	2,700.62	2,638.73	61.89	43.639	
12,350.00	12,317.10	12,387.82	12,306.33	30.90	33.00	-88.70	-65.82	-747.83	2,700.77	2,638.71	62.06	43.517	
12,400.00	12,356.20	12,432.34	12,337.25	31.00	33.05	-88.56	-33.80	-748.00	2,700.93	2,638.69	62.24	43.398	
12,450.00	12,392.43	12,476.48	12,365.36	31.09	33.10	-88.43	0.21	-748.18	2,701.09	2,638.67	62.41	43.277	
12,500.00	12,425.53	12,520.28	12,390.59	31.19	33.14	-88.32	36.00	-748.37	2,701.24	2,638.65	62.60	43.154	
12,550.00	12,455.23	12,563.79	12,412.87	31.29	33.18	-88.21	73.36	-748.56	2,701.39	2,638.60	62.79	43.024	
12,600.00	12,481.32	12,607.04	12,432.15	31.40	33.23	-88.12	112.06	-748.76	2,701.53	2,638.54	62.99	42.887	
12,650.00	12,503.59	12,650.06	12,448.37	31.52	33.27	-88.04	151.90	-748.97	2,701.66	2,638.45	63.21	42.742	
12,700.00	12,521.87	12,692.90	12,461.51	31.65	33.33	-87.97	192.67	-749.19	2,701.77	2,638.32	63.44	42.584	
12,750.00	12,536.04	12,735.59	12,471.54	31.79	37.09	-87.91	234.15	-749.40	2,701.86	2,638.18	63.68	42.430	
12,789.60	12,544.25	12,772.66	12,478.16	31.91	38.65	-87.89	270.62	-749.60	2,701.90	2,638.03	63.87	42.305	
12,800.00	12,546.06	12,781.95	12,479.75	36.93	38.66	-87.89	279.77	-749.64	2,701.90	2,637.99	63.91	42.276	
12,814.60	12,548.59	12,794.49	12,481.76	36.94	38.67	-87.88	292.15	-749.71	2,701.91	2,637.95	63.95	42.243	
12,850.00	12,554.10	12,824.89	12,485.95	36.95	38.70	-87.86	322.26	-749.89	2,701.95	2,637.85	64.10	42.151	
12,900.00	12,559.65	12,867.81	12,490.24	36.98	38.74	-87.84	364.96	-750.18	2,701.98	2,637.65	64.33	42.004	
12,950.00	12,562.59	12,910.71	12,492.60	37.00	38.79	-87.84	407.80	-750.52	2,701.99	2,637.40	64.59	41.833	
12,981.32	12,563.11	12,946.88	12,493.11	37.02	38.83	-87.84	433.96	-750.74	2,701.99	2,637.18	64.81	41.693	
13,000.00	12,563.10	12,955.56	12,493.11	37.03	38.84	-87.84	452.63	-750.90	2,701.99	2,637.09	64.90	41.634	
13,100.00	12,563.10	13,055.56	12,493.10	37.08	38.97	-87.84	552.63	-751.79	2,701.99	2,636.32	65.67	41.148	
13,200.00	12,563.10	13,155.56	12,493.10	37.13	39.12	-87.84	652.63	-752.68	2,701.99	2,635.41	66.58	40.582	
13,300.00	12,563.10	13,255.56	12,493.10	37.19	39.30	-87.84	752.62	-753.57	2,701.99	2,634.34	67.65	39.943	
13,400.00	12,563.10	13,355.56	12,493.10	37.24	39.52	-87.84	852.62	-754.46	2,701.99	2,633.13	68.86	39.241	
13,500.00	12,563.09	13,455.56	12,493.09	37.30	39.78	-87.84	952.61	-755.35	2,701.99	2,631.79	70.20	38.489	
13,600.00	12,563.09	13,555.56	12,493.09	37.37	40.10	-87.84	1,052.61	-756.24	2,701.99	2,630.31	71.68	37.698	

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:	217H	**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
13,700.00	12,563.09	13,655.56	12,493.09	37.44	40.48	-87.84	1,152.61	-757.12	2,701.99	2,628.72	73.27	36.878	
13,800.00	12,563.09	13,755.56	12,493.09	37.62	40.94	-87.84	1,252.60	-758.01	2,701.99	2,627.01	74.98	36.038	
13,900.00	12,563.08	13,855.56	12,493.08	38.40	41.49	-87.84	1,352.60	-758.90	2,701.99	2,625.20	76.79	35.187	
14,000.00	12,563.08	13,955.56	12,493.08	39.34	42.12	-87.84	1,452.59	-759.79	2,701.99	2,623.29	78.70	34.333	
14,100.00	12,563.08	14,055.56	12,493.08	40.34	42.85	-87.84	1,552.59	-760.68	2,701.99	2,621.29	80.70	33.481	
14,200.00	12,563.08	14,155.56	12,493.08	41.38	43.66	-87.84	1,652.59	-761.57	2,701.99	2,619.20	82.79	32.638	
14,300.00	12,563.07	14,255.56	12,493.07	42.46	44.54	-87.84	1,752.58	-762.46	2,701.99	2,617.04	84.95	31.806	
14,400.00	12,563.07	14,355.56	12,493.07	43.58	45.50	-87.84	1,852.58	-763.35	2,701.99	2,614.80	87.19	30.990	
14,500.00	12,563.07	14,455.56	12,493.07	44.73	46.51	-87.84	1,952.57	-764.23	2,701.99	2,612.50	89.49	30.192	
14,600.00	12,563.07	14,555.56	12,493.07	45.91	47.57	-87.84	2,052.57	-765.12	2,701.99	2,610.13	91.86	29.415	
14,700.00	12,563.06	14,655.56	12,493.06	47.12	48.68	-87.84	2,152.57	-766.01	2,701.99	2,607.71	94.28	28.659	
14,800.00	12,563.06	14,755.56	12,493.06	48.36	49.83	-87.84	2,252.56	-766.90	2,701.99	2,605.23	96.76	27.925	
14,900.00	12,563.06	14,855.56	12,493.06	49.62	51.02	-87.84	2,352.56	-767.79	2,701.99	2,602.70	99.28	27.215	
15,000.00	12,563.06	14,955.56	12,493.06	50.91	52.24	-87.84	2,452.55	-768.68	2,701.99	2,600.13	101.85	26.528	
15,100.00	12,563.05	15,055.56	12,493.05	52.21	53.48	-87.84	2,552.55	-769.57	2,701.99	2,597.52	104.47	25.864	
15,200.00	12,563.05	15,155.56	12,493.05	53.54	54.75	-87.84	2,652.55	-770.46	2,701.99	2,594.87	107.12	25.224	
15,300.00	12,563.05	15,255.56	12,493.05	54.88	56.05	-87.84	2,752.54	-771.34	2,701.99	2,592.18	109.81	24.607	
15,400.00	12,563.05	15,355.56	12,493.05	56.25	57.37	-87.84	2,852.54	-772.23	2,701.99	2,589.46	112.53	24.012	
15,500.00	12,563.04	15,455.56	12,493.04	57.62	58.70	-87.84	2,952.54	-773.12	2,701.99	2,586.71	115.28	23.438	
15,600.00	12,563.04	15,555.56	12,493.04	59.01	60.06	-87.84	3,052.53	-774.01	2,701.99	2,583.93	118.06	22.886	
15,700.00	12,563.04	15,655.56	12,493.04	60.42	61.43	-87.84	3,152.53	-774.90	2,701.99	2,581.12	120.87	22.354	
15,800.00	12,563.04	15,755.56	12,493.04	61.84	62.81	-87.84	3,252.52	-775.79	2,701.99	2,578.28	123.71	21.842	
15,900.00	12,563.03	15,855.56	12,493.03	63.27	64.22	-87.84	3,352.52	-776.68	2,701.99	2,575.43	126.56	21.349	
16,000.00	12,563.03	15,955.56	12,493.03	64.71	65.63	-87.84	3,452.52	-777.57	2,701.99	2,572.55	129.44	20.874	
16,100.00	12,563.03	16,055.56	12,493.03	66.16	67.05	-87.84	3,552.51	-778.45	2,701.99	2,569.65	132.34	20.417	
16,200.00	12,563.03	16,155.56	12,493.03	67.62	68.49	-87.84	3,652.51	-779.34	2,701.99	2,566.73	135.26	19.976	
16,300.00	12,563.02	16,255.56	12,493.02	69.08	69.94	-87.84	3,752.50	-780.23	2,701.99	2,563.79	138.20	19.552	
16,400.00	12,563.02	16,355.56	12,493.02	70.56	71.39	-87.84	3,852.50	-781.12	2,701.99	2,560.84	141.15	19.143	
16,500.00	12,563.02	16,455.56	12,493.02	72.05	72.86	-87.84	3,952.50	-782.01	2,701.99	2,557.87	144.12	18.748	
16,600.00	12,563.02	16,555.56	12,493.02	73.54	74.33	-87.84	4,052.49	-782.90	2,701.99	2,554.88	147.10	18.368	
16,700.00	12,563.01	16,655.56	12,493.01	75.04	75.82	-87.84	4,152.49	-783.79	2,701.99	2,551.89	150.10	18.001	
16,800.00	12,563.01	16,755.56	12,493.01	76.55	77.31	-87.84	4,252.48	-784.68	2,701.99	2,548.87	153.11	17.647	
16,900.00	12,563.01	16,855.56	12,493.01	78.06	78.80	-87.84	4,352.48	-785.56	2,701.99	2,545.85	156.14	17.305	
17,000.00	12,563.01	16,955.56	12,493.01	79.58	80.31	-87.84	4,452.48	-786.45	2,701.99	2,542.81	159.17	16.975	
17,100.00	12,563.00	17,055.56	12,493.00	81.10	81.82	-87.84	4,552.47	-787.34	2,701.99	2,539.77	162.22	16.656	
17,200.00	12,563.00	17,155.56	12,493.00	82.63	83.33	-87.84	4,652.47	-788.23	2,701.99	2,536.71	165.28	16.348	
17,281.54	12,563.00	17,237.10	12,493.00	83.88	84.57	-87.84	4,734.00	-788.96	2,701.99	2,534.21	167.78	16.105 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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12745-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	1,968.00	30.00				
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	19.00	1,968.00	30.00	29.75	0.25	117.871	
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	19.00	1,968.00	30.00	29.03	0.97	30.881	
300.00	300.00	300.00	300.00	0.84	0.84	-90.00	19.00	1,968.00	30.00	28.31	1.69	17.768	
400.00	400.00	400.00	400.00	1.20	1.20	-90.00	19.00	1,968.00	30.00	27.59	2.41	12.472	
500.00	500.00	500.00	500.00	1.56	1.56	-90.00	19.00	1,968.00	30.00	26.88	3.12	9.608	
600.00	600.00	600.00	600.00	1.92	1.92	-90.00	19.00	1,968.00	30.00	26.16	3.84	7.814	CC, ES
700.00	700.00	699.22	699.21	2.28	2.27	-90.58	18.69	1,966.75	31.26	26.72	4.54	6.882	
800.00	800.00	798.31	798.22	2.64	2.61	-92.05	17.75	1,963.01	35.06	29.82	5.24	6.694	
900.00	900.00	897.13	896.83	3.00	2.95	-93.91	16.18	1,956.80	41.42	35.49	5.93	6.981	
1,000.00	1,000.00	995.56	994.85	3.35	3.31	-95.72	14.01	1,948.15	50.36	43.73	6.63	7.600	
1,100.00	1,100.00	1,093.89	1,092.52	3.71	3.67	-97.26	11.25	1,937.17	61.78	54.46	7.32	8.439	
1,200.00	1,200.00	1,206.86	1,191.04	4.07	4.10	-98.39	8.30	1,925.44	73.89	65.81	8.08	9.148	
1,300.00	1,300.00	1,292.40	1,289.55	4.43	4.43	-99.20	5.35	1,913.71	86.03	77.29	8.74	9.846	
1,400.00	1,400.00	1,408.35	1,388.07	4.79	4.86	-99.81	2.40	1,901.98	98.17	88.66	9.51	10.323	
1,500.00	1,500.00	1,509.09	1,486.58	5.15	5.27	-100.28	-0.54	1,890.25	110.33	100.10	10.23	10.786	
1,600.00	1,600.00	1,609.84	1,585.10	5.50	5.67	-100.66	-3.49	1,878.51	122.49	111.54	10.95	11.187	
1,700.00	1,700.00	1,689.42	1,683.61	5.86	5.98	-100.97	-6.44	1,866.78	134.66	123.07	11.59	11.615	
1,800.00	1,800.00	1,788.67	1,782.13	6.22	6.38	-101.23	-9.39	1,855.05	146.83	134.52	12.31	11.928	
1,900.00	1,900.00	1,887.92	1,880.64	6.58	6.78	-101.45	-12.34	1,843.32	159.00	145.98	13.03	12.206	
2,000.00	2,000.00	1,987.18	1,979.16	6.94	7.17	-101.64	-15.29	1,831.59	171.18	157.44	13.74	12.454	
2,100.00	2,100.00	2,086.43	2,077.67	7.30	7.57	-101.81	-18.24	1,819.86	183.36	168.89	14.46	12.678	
2,200.00	2,200.00	2,185.69	2,176.19	7.66	7.97	-101.95	-21.19	1,808.13	195.53	180.35	15.18	12.880	
2,300.00	2,300.00	2,284.94	2,274.70	8.01	8.37	-102.08	-24.14	1,796.40	207.71	191.81	15.90	13.064	
2,400.00	2,400.00	2,384.20	2,373.22	8.37	8.77	-102.19	-27.08	1,784.67	219.89	203.27	16.62	13.231	
2,500.00	2,500.00	2,483.45	2,471.73	8.73	9.17	-102.29	-30.03	1,772.93	232.07	214.74	17.34	13.385	
2,600.00	2,600.00	2,582.71	2,570.25	9.09	9.57	-102.38	-32.98	1,761.20	244.25	226.20	18.06	13.526	
2,700.00	2,700.00	2,681.96	2,668.76	9.45	9.97	-102.46	-35.93	1,749.47	256.44	237.66	18.78	13.656	
2,800.00	2,800.00	2,781.22	2,767.28	9.81	10.38	-102.54	-38.88	1,737.74	268.62	249.12	19.50	13.777	
2,900.00	2,900.00	2,880.47	2,865.79	10.16	10.78	-102.61	-41.83	1,726.01	280.80	260.58	20.22	13.889	
3,000.00	3,000.00	2,979.73	2,964.31	10.52	11.18	-102.67	-44.78	1,714.28	292.98	272.05	20.94	13.993	
3,100.00	3,100.00	3,078.98	3,062.82	10.88	11.59	-102.73	-47.73	1,702.55	305.17	283.51	21.66	14.090	
3,200.00	3,200.00	3,178.23	3,161.33	11.24	11.99	-102.78	-50.67	1,690.82	317.35	294.97	22.38	14.181	
3,300.00	3,300.00	3,277.49	3,259.85	11.60	12.39	-102.83	-53.62	1,679.08	329.53	306.43	23.10	14.266	
3,400.00	3,400.00	3,376.74	3,358.36	11.96	12.80	-102.87	-56.57	1,667.35	341.72	317.90	23.82	14.345	
3,500.00	3,500.00	3,476.00	3,456.88	12.32	13.20	-102.92	-59.52	1,655.62	353.90	329.36	24.54	14.421	
3,600.00	3,600.00	3,575.25	3,555.39	12.67	13.60	-102.96	-62.47	1,643.89	366.09	340.83	25.26	14.491	
3,700.00	3,700.00	3,674.51	3,653.91	13.03	14.01	-102.99	-65.42	1,632.16	378.27	352.29	25.98	14.558	
3,800.00	3,800.00	3,773.76	3,752.42	13.39	14.41	-103.03	-68.37	1,620.43	390.46	363.75	26.70	14.621	
3,900.00	3,900.00	3,873.02	3,850.94	13.75	14.82	-103.06	-71.32	1,608.70	402.64	375.22	27.43	14.681	
4,000.00	4,000.00	3,972.27	3,949.45	14.11	15.22	-103.09	-74.27	1,596.97	414.83	386.68	28.15	14.738	
4,100.00	4,100.00	4,071.53	4,047.97	14.47	15.63	-103.12	-77.21	1,585.24	427.01	398.14	28.87	14.792	
4,200.00	4,200.00	4,170.78	4,146.48	14.82	16.03	-103.15	-80.16	1,573.50	439.20	409.61	29.59	14.843	
4,300.00	4,300.00	4,270.04	4,245.00	15.18	16.44	-103.17	-83.11	1,561.77	451.38	421.07	30.31	14.892	
4,400.00	4,400.00	4,369.29	4,343.51	15.54	16.84	-103.20	-86.06	1,550.04	463.57	432.53	31.03	14.938	
4,500.00	4,500.00	4,468.54	4,442.03	15.90	17.25	-103.22	-89.01	1,538.31	475.75	444.00	31.75	14.982	
4,600.00	4,600.00	4,567.80	4,540.54	16.26	17.65	-103.24	-91.96	1,526.58	487.94	455.46	32.48	15.025	
4,700.00	4,700.00	4,667.05	4,639.06	16.62	18.06	-103.27	-94.91	1,514.85	500.12	466.93	33.20	15.065	
4,800.00	4,800.00	4,766.31	4,737.57	16.98	18.46	-103.29	-97.86	1,503.12	512.31	478.39	33.92	15.104	
4,900.00	4,900.00	4,865.56	4,836.09	17.33	18.87	-103.30	-100.80	1,491.39	524.50	489.85	34.64	15.141	
5,000.00	5,000.00	4,964.82	4,934.60	17.69	19.27	-103.32	-103.75	1,479.66	536.68	501.32	35.36	15.176	
5,100.00	5,100.00	5,064.07	5,033.12	18.05	19.68	-103.34	-106.70	1,467.92	548.87	512.78	36.08	15.210	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12748-MWD - OWSG — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,200.00	5,163.33	5,131.63	18.41	20.08	-103.36	-109.65	1,456.19	561.05	524.25	36.81	15.243	
5,300.00	5,300.00	5,262.58	5,230.15	18.77	20.49	-103.37	-112.60	1,444.46	573.24	535.71	37.53	15.275	
5,400.00	5,400.00	5,361.84	5,328.66	19.13	20.89	-103.39	-115.55	1,432.73	585.42	547.17	38.25	15.305	
5,500.00	5,500.00	5,461.09	5,427.18	19.31	21.20	-103.40	-118.50	1,421.00	597.61	558.93	38.68	15.449	
5,600.00	5,600.00	5,560.35	5,525.69	19.31	21.33	-103.42	-121.45	1,409.27	609.80	571.03	38.77	15.730	
5,700.00	5,700.00	5,659.60	5,624.20	19.33	21.41	-103.43	-124.40	1,397.54	621.98	583.19	38.79	16.033	
5,800.00	5,800.00	5,758.85	5,722.72	19.35	21.50	-103.44	-127.34	1,385.81	634.17	595.34	38.83	16.331	
5,900.00	5,899.99	5,858.17	5,821.29	19.37	21.59	65.18	-130.29	1,374.07	645.81	606.93	38.88	16.609	
6,000.00	5,999.91	5,957.55	5,919.93	19.40	21.70	65.33	-133.25	1,362.32	656.37	617.42	38.95	16.853	
6,100.00	6,099.69	6,056.93	6,018.57	19.44	21.80	65.70	-136.20	1,350.58	665.88	626.85	39.03	17.063	
6,133.33	6,132.91	6,109.96	6,051.44	19.45	21.86	65.87	-137.18	1,346.66	668.82	629.76	39.06	17.121	
6,200.00	6,199.32	6,156.27	6,117.17	19.48	21.92	66.30	-139.15	1,338.83	674.61	635.49	39.12	17.245	
6,300.00	6,298.94	6,255.60	6,215.76	19.54	22.04	66.93	-142.10	1,327.09	683.38	644.15	39.23	17.420	
6,400.00	6,398.56	6,354.93	6,314.35	19.60	22.17	67.55	-145.05	1,315.35	692.22	652.87	39.35	17.590	
6,500.00	6,498.18	6,454.26	6,412.95	19.67	22.31	68.15	-148.00	1,303.61	701.14	661.65	39.49	17.755	
6,600.00	6,597.80	6,553.60	6,511.54	19.74	22.45	68.74	-150.96	1,291.87	710.14	670.50	39.64	17.913	
6,700.00	6,697.42	6,652.93	6,610.13	19.82	22.60	69.31	-153.91	1,280.13	719.21	679.40	39.81	18.066	
6,800.00	6,797.04	6,752.26	6,708.72	19.91	22.75	69.86	-156.86	1,268.39	728.35	688.36	39.99	18.212	
6,900.00	6,896.66	6,851.60	6,807.32	20.01	22.91	70.41	-159.81	1,256.65	737.55	697.37	40.19	18.353	
7,000.00	6,996.28	6,950.93	6,905.91	20.11	23.08	70.94	-162.76	1,244.91	746.82	706.43	40.40	18.487	
7,100.00	7,095.90	7,050.26	7,004.50	20.22	23.26	71.46	-165.71	1,233.17	756.16	715.54	40.62	18.616	
7,200.00	7,195.52	7,149.59	7,103.09	20.34	23.43	71.96	-168.66	1,221.43	765.55	724.69	40.86	18.738	
7,300.00	7,295.14	7,248.93	7,201.69	20.46	23.62	72.45	-171.61	1,209.69	775.00	733.90	41.10	18.854	
7,400.00	7,394.76	7,348.26	7,300.28	20.59	23.81	72.94	-174.56	1,197.95	784.51	743.14	41.37	18.964	
7,500.00	7,494.38	7,447.59	7,398.87	20.73	24.00	73.40	-177.52	1,186.21	794.07	752.42	41.64	19.069	
7,600.00	7,594.00	7,546.93	7,497.46	20.87	24.21	73.86	-180.47	1,174.47	803.68	761.75	41.93	19.167	
7,700.00	7,693.62	7,646.26	7,596.06	21.02	24.41	74.31	-183.42	1,162.73	813.34	771.11	42.23	19.260	
7,800.00	7,793.24	7,745.59	7,694.65	21.18	24.62	74.75	-186.37	1,150.99	823.05	780.51	42.54	19.347	
7,900.00	7,892.85	7,844.92	7,793.24	21.34	24.84	75.17	-189.32	1,139.25	832.81	789.94	42.87	19.429	
8,000.00	7,992.47	7,944.26	7,891.83	21.50	25.06	75.59	-192.27	1,127.51	842.61	799.41	43.20	19.505	
8,100.00	8,092.09	8,043.59	7,990.42	21.68	25.28	76.00	-195.22	1,115.77	852.45	808.91	43.55	19.576	
8,200.00	8,191.71	8,142.92	8,089.02	21.85	25.51	76.40	-198.17	1,104.03	862.34	818.43	43.90	19.642	
8,300.00	8,291.33	8,242.26	8,187.61	22.04	25.75	76.78	-201.12	1,092.29	872.27	827.99	44.27	19.703	
8,400.00	8,390.95	8,341.75	8,286.36	22.23	25.99	77.17	-204.08	1,080.53	882.23	837.58	44.65	19.759	
8,432.50	8,423.33	8,383.45	8,327.78	22.29	26.09	77.33	-205.26	1,075.83	885.30	840.49	44.81	19.757	
8,500.00	8,490.62	8,470.28	8,414.18	22.42	26.28	77.71	-207.37	1,067.44	890.72	845.59	45.13	19.736	
8,600.00	8,590.46	8,599.41	8,542.98	22.61	26.55	78.11	-209.62	1,058.51	896.49	850.90	45.58	19.667	
8,700.00	8,690.41	8,728.93	8,672.40	22.80	26.79	78.33	-210.80	1,053.79	899.52	853.52	46.00	19.555	
8,765.83	8,756.24	8,814.29	8,757.75	22.91	26.93	-90.32	-211.00	1,053.01	900.01	853.77	46.24	19.462	
8,777.13	8,767.53	8,828.94	8,772.40	22.93	26.95	-90.32	-210.99	1,053.06	899.97	853.69	46.28	19.445	
8,800.00	8,790.41	8,846.95	8,790.41	22.97	26.98	-90.32	-211.00	1,053.00	900.01	853.65	46.36	19.414	
8,900.00	8,890.41	8,946.95	8,890.41	23.14	27.13	-90.32	-211.00	1,053.00	900.01	853.31	46.71	19.270	
9,000.00	8,990.41	9,046.95	8,990.41	23.32	27.29	-90.32	-211.00	1,053.00	900.01	852.95	47.06	19.125	
9,100.00	9,090.41	9,146.95	9,090.41	23.50	27.45	-90.32	-211.00	1,053.00	900.01	852.59	47.42	18.978	
9,200.00	9,190.41	9,246.95	9,190.41	23.68	27.62	-90.32	-211.00	1,053.00	900.01	852.22	47.79	18.831	
9,300.00	9,290.41	9,346.95	9,290.41	23.87	27.78	-90.32	-211.00	1,053.00	900.01	851.84	48.17	18.683	
9,400.00	9,390.41	9,446.95	9,390.41	24.06	27.96	-90.32	-211.00	1,053.00	900.01	851.46	48.56	18.535	
9,500.00	9,490.41	9,546.95	9,490.41	24.26	28.13	-90.32	-211.00	1,053.00	900.01	851.06	48.95	18.386	
9,600.00	9,590.41	9,646.95	9,590.41	24.45	28.31	-90.32	-211.00	1,053.00	900.01	850.66	49.35	18.237	
9,700.00	9,690.41	9,746.95	9,690.41	24.66	28.50	-90.32	-211.00	1,053.00	900.01	850.25	49.76	18.087	
9,800.00	9,790.41	9,846.95	9,790.41	24.86	28.68	-90.32	-211.00	1,053.00	900.01	849.84	50.17	17.938	
9,900.00	9,890.41	9,946.95	9,890.41	25.07	28.87	-90.32	-211.00	1,053.00	900.01	849.42	50.60	17.788	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12746-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,000.00	9,990.41	10,046.95	9,990.41	25.29	29.06	-90.32	-211.00	1,053.00	900.01	848.99	51.02	17.639	
10,100.00	10,090.41	10,146.95	10,090.41	25.50	29.26	-90.32	-211.00	1,053.00	900.01	848.55	51.46	17.490	
10,200.00	10,190.41	10,246.95	10,190.41	25.72	29.46	-90.32	-211.00	1,053.00	900.01	848.11	51.90	17.341	
10,300.00	10,290.41	10,346.95	10,290.41	25.95	29.66	-90.32	-211.00	1,053.00	900.01	847.67	52.35	17.193	
10,400.00	10,390.41	10,446.95	10,390.41	26.17	29.86	-90.32	-211.00	1,053.00	900.01	847.21	52.80	17.046	
10,500.00	10,490.41	10,546.95	10,490.41	26.40	30.07	-90.32	-211.00	1,053.00	900.01	846.76	53.26	16.899	
10,600.00	10,590.41	10,646.95	10,590.41	26.63	30.28	-90.32	-211.00	1,053.00	900.01	846.29	53.72	16.753	
10,700.00	10,690.41	10,746.95	10,690.41	26.87	30.50	-90.32	-211.00	1,053.00	900.01	845.82	54.19	16.608	
10,800.00	10,790.41	10,846.95	10,790.41	27.10	30.71	-90.32	-211.00	1,053.00	900.01	845.35	54.67	16.463	
10,900.00	10,890.41	10,946.95	10,890.41	27.34	30.93	-90.32	-211.00	1,053.00	900.01	844.87	55.15	16.320	
11,000.00	10,990.41	11,046.95	10,990.41	27.58	31.15	-90.32	-211.00	1,053.00	900.01	844.38	55.63	16.177	
11,100.00	11,090.41	11,146.95	11,090.41	27.83	31.37	-90.32	-211.00	1,053.00	900.01	843.89	56.12	16.036	
11,200.00	11,190.41	11,246.95	11,190.41	28.08	31.60	-90.32	-211.00	1,053.00	900.01	843.39	56.62	15.896	
11,300.00	11,290.41	11,346.95	11,290.41	28.33	31.83	-90.32	-211.00	1,053.00	900.01	842.89	57.12	15.757	
11,400.00	11,390.41	11,446.95	11,390.41	28.58	32.06	-90.32	-211.00	1,053.00	900.01	842.39	57.62	15.619	
11,500.00	11,490.41	11,546.95	11,490.41	28.83	32.29	-90.32	-211.00	1,053.00	900.01	841.88	58.13	15.482	
11,600.00	11,590.41	11,646.95	11,590.41	29.09	32.53	-90.32	-211.00	1,053.00	900.01	841.37	58.65	15.346	
11,700.00	11,690.41	11,746.95	11,690.41	29.35	32.77	-90.32	-211.00	1,053.00	900.01	840.85	59.16	15.212	
11,800.00	11,790.41	11,846.95	11,790.41	29.61	33.01	-90.32	-211.00	1,053.00	900.01	840.33	59.69	15.079	
11,900.00	11,890.41	11,946.95	11,890.41	29.87	33.25	-90.32	-211.00	1,053.00	900.01	839.80	60.21	14.947	
11,917.75	11,908.15	11,964.70	11,908.15	29.92	33.29	-90.30	-210.71	1,053.00	900.01	839.71	60.31	14.924	
11,989.60	11,980.00	12,035.86	11,978.95	30.11	33.45	-89.88	-204.05	1,052.96	900.04	839.35	60.69	14.831	
12,000.00	11,990.40	12,046.00	11,988.96	30.13	33.48	-89.47	-202.39	1,052.95	900.05	839.31	60.74	14.818	
12,050.00	12,040.29	12,094.38	12,036.20	30.26	33.58	-88.99	-192.03	1,052.90	900.16	839.16	60.99	14.758	
12,100.00	12,089.72	12,142.16	12,081.84	30.38	33.67	-88.52	-177.93	1,052.83	900.32	839.09	61.23	14.704	
12,150.00	12,138.32	12,189.39	12,125.64	30.50	33.75	-88.06	-160.30	1,052.73	900.54	839.09	61.45	14.655	
12,200.00	12,185.71	12,236.09	12,167.38	30.61	33.83	-87.61	-139.38	1,052.63	900.81	839.15	61.66	14.610	
12,250.00	12,231.53	12,282.31	12,206.87	30.71	33.90	-87.19	-115.40	1,052.50	901.12	839.27	61.85	14.570	
12,300.00	12,275.44	12,328.08	12,243.96	30.81	33.96	-86.78	-88.59	1,052.36	901.46	839.43	62.03	14.533	
12,350.00	12,317.10	12,373.44	12,278.49	30.90	34.01	-86.40	-59.19	1,052.21	901.81	839.61	62.20	14.498	
12,400.00	12,356.20	12,418.44	12,310.33	31.00	34.06	-86.05	-27.41	1,052.04	902.18	839.81	62.37	14.465	
12,450.00	12,392.43	12,463.10	12,339.37	31.09	34.10	-85.72	6.50	1,051.86	902.55	840.01	62.54	14.432	
12,500.00	12,425.53	12,507.46	12,365.52	31.19	34.14	-85.42	42.32	1,051.67	902.91	840.20	62.71	14.398	
12,550.00	12,455.23	12,551.56	12,388.69	31.29	34.18	-85.16	79.83	1,051.48	903.26	840.36	62.89	14.362	
12,600.00	12,481.32	12,595.43	12,408.81	31.40	34.22	-84.93	118.80	1,051.27	903.57	840.48	63.09	14.322	
12,650.00	12,503.59	12,639.11	12,425.82	31.52	34.27	-84.73	159.02	1,051.06	903.85	840.55	63.30	14.279	
12,700.00	12,521.87	12,682.63	12,439.67	31.65	34.31	-84.57	200.27	1,050.85	904.08	840.56	63.53	14.231	
12,750.00	12,536.04	12,726.02	12,450.33	31.79	37.23	-84.44	242.32	1,050.63	904.27	840.51	63.76	14.182	
12,789.60	12,544.25	12,762.45	12,457.02	31.91	39.53	-84.38	278.13	1,050.44	904.36	840.41	63.95	14.142	
12,800.00	12,546.06	12,772.86	12,458.82	36.93	39.54	-84.38	288.37	1,050.39	904.36	840.37	63.99	14.133	
12,814.60	12,548.59	12,785.84	12,460.97	36.94	39.56	-84.37	301.18	1,050.32	904.38	840.33	64.04	14.122	
12,850.00	12,554.10	12,817.65	12,465.50	36.95	39.59	-84.34	332.66	1,050.13	904.43	840.25	64.18	14.092	
12,900.00	12,559.65	12,862.56	12,470.11	36.98	39.64	-84.30	377.32	1,049.83	904.48	840.08	64.41	14.043	
12,950.00	12,562.59	12,907.45	12,472.61	37.00	39.69	-84.29	422.14	1,049.48	904.50	839.83	64.68	13.985	
12,979.46	12,563.10	12,943.13	12,473.11	37.02	39.74	-84.29	448.09	1,049.26	904.50	839.61	64.89	13.940	
12,981.32	12,563.11	12,941.27	12,473.11	37.02	39.74	-84.29	449.95	1,049.24	904.50	839.61	64.88	13.940	
13,000.00	12,563.10	12,953.94	12,473.11	37.03	39.75	-84.29	468.63	1,049.08	904.50	839.51	64.99	13.917	
13,100.00	12,563.10	13,053.94	12,473.10	37.08	39.90	-84.29	568.62	1,048.19	904.50	838.75	65.75	13.757	
13,200.00	12,563.10	13,153.94	12,473.10	37.13	40.07	-84.29	668.62	1,047.30	904.50	837.84	66.66	13.570	
13,300.00	12,563.10	13,253.94	12,473.10	37.19	40.28	-84.29	768.62	1,046.41	904.50	836.79	67.71	13.358	
13,400.00	12,563.10	13,353.94	12,473.10	37.24	40.52	-84.29	868.61	1,045.52	904.50	835.59	68.91	13.126	
13,500.00	12,563.09	13,453.94	12,473.09	37.30	40.81	-84.29	968.61	1,044.63	904.50	834.26	70.24	12.876	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5491-MWD - OWSG, 12746-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,600.00	12,563.09	13,553.94	12,473.09	37.37	41.15	-84.29	1,068.60	1,043.74	904.50	832.79	71.71	12.614	
13,700.00	12,563.09	13,653.94	12,473.09	37.44	41.55	-84.29	1,168.60	1,042.85	904.50	831.21	73.29	12.342	
13,800.00	12,563.09	13,753.94	12,473.09	37.62	42.01	-84.29	1,268.60	1,041.97	904.50	829.52	74.98	12.063	
13,900.00	12,563.08	13,853.94	12,473.08	38.40	42.55	-84.29	1,368.59	1,041.08	904.50	827.72	76.78	11.780	
14,000.00	12,563.08	13,953.94	12,473.08	39.34	43.17	-84.29	1,468.59	1,040.19	904.50	825.82	78.68	11.496	
14,100.00	12,563.08	14,053.94	12,473.08	40.34	43.86	-84.29	1,568.59	1,039.30	904.50	823.84	80.67	11.213	
14,200.00	12,563.08	14,153.94	12,473.08	41.38	44.63	-84.29	1,668.58	1,038.41	904.50	821.76	82.74	10.932	
14,300.00	12,563.07	14,253.94	12,473.07	42.46	45.48	-84.29	1,768.58	1,037.52	904.50	819.61	84.89	10.655	
14,400.00	12,563.07	14,353.94	12,473.07	43.58	46.38	-84.29	1,868.57	1,036.63	904.50	817.39	87.11	10.383	
14,500.00	12,563.07	14,453.94	12,473.07	44.73	47.35	-84.29	1,968.57	1,035.74	904.50	815.10	89.40	10.117	
14,600.00	12,563.07	14,553.94	12,473.07	45.91	48.38	-84.29	2,068.57	1,034.85	904.50	812.75	91.75	9.858	
14,700.00	12,563.06	14,653.94	12,473.06	47.12	49.45	-84.29	2,168.56	1,033.96	904.50	810.34	94.16	9.606	
14,800.00	12,563.06	14,753.94	12,473.06	48.36	50.56	-84.29	2,268.56	1,033.07	904.51	807.88	96.62	9.361	
14,900.00	12,563.06	14,853.94	12,473.06	49.62	51.71	-84.29	2,368.55	1,032.18	904.51	805.37	99.14	9.124	
15,000.00	12,563.06	14,953.94	12,473.06	50.91	52.90	-84.29	2,468.55	1,031.30	904.51	802.81	101.69	8.895	
15,100.00	12,563.05	15,053.94	12,473.05	52.21	54.12	-84.29	2,568.55	1,030.41	904.51	800.22	104.29	8.673	
15,200.00	12,563.05	15,153.94	12,473.05	53.54	55.36	-84.29	2,668.54	1,029.52	904.51	797.58	106.93	8.459	
15,300.00	12,563.05	15,253.94	12,473.05	54.88	56.63	-84.29	2,768.54	1,028.63	904.51	794.90	109.60	8.253	
15,400.00	12,563.05	15,353.94	12,473.05	56.25	57.93	-84.29	2,868.53	1,027.74	904.51	792.20	112.31	8.054	
15,500.00	12,563.04	15,453.94	12,473.04	57.62	59.24	-84.29	2,968.53	1,026.85	904.51	789.46	115.05	7.862	
15,600.00	12,563.04	15,553.94	12,473.04	59.01	60.58	-84.29	3,068.53	1,025.96	904.51	786.69	117.82	7.677	
15,700.00	12,563.04	15,653.94	12,473.04	60.42	61.93	-84.29	3,168.52	1,025.07	904.51	783.90	120.61	7.499	
15,800.00	12,563.04	15,753.94	12,473.04	61.84	63.30	-84.29	3,268.52	1,024.18	904.51	781.08	123.43	7.328	
15,900.00	12,563.03	15,853.94	12,473.03	63.27	64.68	-84.29	3,368.51	1,023.29	904.51	778.23	126.28	7.163	
16,000.00	12,563.03	15,953.94	12,473.03	64.71	66.08	-84.29	3,468.51	1,022.40	904.51	775.37	129.14	7.004	
16,100.00	12,563.03	16,053.94	12,473.03	66.16	67.49	-84.29	3,568.51	1,021.51	904.51	772.48	132.03	6.851	
16,200.00	12,563.03	16,153.94	12,473.03	67.62	68.92	-84.29	3,668.50	1,020.63	904.51	769.58	134.93	6.703	
16,300.00	12,563.02	16,253.94	12,473.02	69.08	70.35	-84.29	3,768.50	1,019.74	904.51	766.65	137.86	6.561	
16,400.00	12,563.02	16,353.94	12,473.02	70.56	71.80	-84.29	3,868.49	1,018.85	904.51	763.71	140.80	6.424	
16,500.00	12,563.02	16,453.94	12,473.02	72.05	73.25	-84.29	3,968.49	1,017.96	904.51	760.76	143.76	6.292	
16,600.00	12,563.02	16,553.94	12,473.02	73.54	74.71	-84.29	4,068.49	1,017.07	904.51	757.79	146.73	6.165	
16,700.00	12,563.01	16,653.94	12,473.01	75.04	76.19	-84.29	4,168.48	1,016.18	904.51	754.80	149.71	6.042	
16,800.00	12,563.01	16,753.94	12,473.01	76.55	77.67	-84.29	4,268.48	1,015.29	904.51	751.80	152.71	5.923	
16,900.00	12,563.01	16,853.94	12,473.01	78.06	79.15	-84.29	4,368.47	1,014.40	904.51	748.79	155.72	5.809	
17,000.00	12,563.01	16,953.94	12,473.01	79.58	80.65	-84.29	4,468.47	1,013.51	904.51	745.77	158.74	5.698	
17,100.00	12,563.00	17,053.94	12,473.00	81.10	82.15	-84.29	4,568.47	1,012.62	904.51	742.74	161.78	5.591	
17,200.00	12,563.00	17,153.94	12,473.00	82.63	83.66	-84.29	4,668.46	1,011.73	904.52	739.69	164.82	5.488	
17,281.54	12,563.00	17,235.48	12,473.00	83.88	84.89	-84.29	4,750.00	1,011.01	904.52	737.20	167.31	5.406 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:	217H	**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	88.09	20.00	2,028.00	30.02				
100.00	100.00	100.00	100.00	0.13	0.13	88.09	20.00	2,028.00	30.02	29.76	0.25	117.937	
200.00	200.00	200.00	200.00	0.49	0.49	88.09	20.00	2,028.00	30.02	29.05	0.97	30.899	
300.00	300.00	300.00	300.00	0.84	0.84	88.09	20.00	2,028.00	30.02	28.33	1.69	17.778	
400.00	400.00	400.00	400.00	1.20	1.20	88.09	20.00	2,028.00	30.02	27.61	2.41	12.479	
500.00	500.00	500.00	500.00	1.56	1.56	88.09	20.00	2,028.00	30.02	26.89	3.12	9.614	
600.00	600.00	600.00	600.00	1.92	1.92	88.09	20.00	2,028.00	30.02	26.18	3.84	7.818	
700.00	700.00	700.00	700.00	2.28	2.28	88.09	20.00	2,028.00	30.02	25.46	4.56	6.588	
800.00	800.00	800.00	800.00	2.64	2.64	88.09	20.00	2,028.00	30.02	24.74	5.27	5.692	
900.00	900.00	900.00	900.00	3.00	3.00	88.09	20.00	2,028.00	30.02	24.03	5.99	5.011	
1,000.00	1,000.00	1,000.00	1,000.00	3.35	3.35	88.09	20.00	2,028.00	30.02	23.31	6.71	4.475	
1,100.00	1,100.00	1,100.00	1,100.00	3.71	3.71	88.09	20.00	2,028.00	30.02	22.59	7.42	4.043	
1,200.00	1,200.00	1,200.00	1,200.00	4.07	4.07	88.09	20.00	2,028.00	30.02	21.88	8.14	3.687	CC, ES
1,300.00	1,300.00	1,299.23	1,299.22	4.43	4.42	88.80	19.65	2,029.24	31.26	22.42	8.84	3.535	SF
1,400.00	1,400.00	1,398.33	1,398.24	4.79	4.75	90.63	18.62	2,032.96	35.00	25.48	9.53	3.673	
1,500.00	1,500.00	1,497.17	1,496.87	5.15	5.09	92.93	16.90	2,039.13	41.30	31.09	10.21	4.044	
1,600.00	1,600.00	1,595.60	1,594.90	5.50	5.44	95.17	14.50	2,047.72	50.18	39.29	10.89	4.608	
1,700.00	1,700.00	1,693.94	1,692.58	5.86	5.79	97.09	11.46	2,058.63	61.54	49.98	11.57	5.320	
1,800.00	1,800.00	1,806.80	1,791.10	6.22	6.20	98.49	8.21	2,070.28	73.62	61.30	12.32	5.977	
1,900.00	1,900.00	1,907.55	1,889.61	6.58	6.58	99.49	4.96	2,081.93	85.73	72.70	13.03	6.581	
2,000.00	2,000.00	2,008.29	1,988.13	6.94	6.95	100.25	1.72	2,093.58	97.86	84.12	13.74	7.123	
2,100.00	2,100.00	2,109.04	2,086.64	7.30	7.34	100.84	-1.53	2,105.24	110.00	95.55	14.45	7.612	
2,200.00	2,200.00	2,209.78	2,185.15	7.66	7.72	101.31	-4.78	2,116.89	122.15	106.98	15.16	8.055	
2,300.00	2,300.00	2,289.47	2,283.67	8.01	8.03	101.70	-8.03	2,128.54	134.30	118.50	15.80	8.498	
2,400.00	2,400.00	2,388.73	2,382.18	8.37	8.41	102.02	-11.28	2,140.19	146.47	129.95	16.52	8.868	
2,500.00	2,500.00	2,487.98	2,480.70	8.73	8.80	102.29	-14.53	2,151.84	158.63	141.40	17.23	9.208	
2,600.00	2,600.00	2,587.24	2,579.21	9.09	9.18	102.53	-17.77	2,163.49	170.80	152.86	17.94	9.520	
2,700.00	2,700.00	2,686.49	2,677.73	9.45	9.57	102.73	-21.02	2,175.15	182.97	164.32	18.65	9.809	
2,800.00	2,800.00	2,785.74	2,776.24	9.81	9.96	102.91	-24.27	2,186.80	195.14	175.78	19.37	10.075	
2,900.00	2,900.00	2,885.00	2,874.76	10.16	10.36	103.07	-27.52	2,198.45	207.32	187.24	20.08	10.323	
3,000.00	3,000.00	2,984.25	2,973.27	10.52	10.75	103.21	-30.77	2,210.10	219.49	198.70	20.80	10.553	
3,100.00	3,100.00	3,083.51	3,071.79	10.88	11.14	103.33	-34.02	2,221.75	231.67	210.16	21.51	10.768	
3,200.00	3,200.00	3,182.76	3,170.30	11.24	11.54	103.44	-37.26	2,233.40	243.85	221.62	22.23	10.969	
3,300.00	3,300.00	3,282.02	3,268.82	11.60	11.93	103.54	-40.51	2,245.05	256.03	233.08	22.95	11.157	
3,400.00	3,400.00	3,381.27	3,367.33	11.96	12.33	103.64	-43.76	2,256.71	268.21	244.54	23.66	11.334	
3,500.00	3,500.00	3,480.53	3,465.85	12.32	12.72	103.72	-47.01	2,268.36	280.39	256.01	24.38	11.500	
3,600.00	3,600.00	3,579.78	3,564.36	12.67	13.12	103.80	-50.26	2,280.01	292.57	267.47	25.10	11.656	
3,700.00	3,700.00	3,679.04	3,662.88	13.03	13.52	103.87	-53.51	2,291.66	304.75	278.93	25.82	11.804	
3,800.00	3,800.00	3,778.29	3,761.39	13.39	13.92	103.93	-56.75	2,303.32	316.93	290.40	26.54	11.944	
3,900.00	3,900.00	3,877.55	3,859.91	13.75	14.31	104.00	-60.00	2,314.97	329.12	301.86	27.25	12.076	
4,000.00	4,000.00	3,976.80	3,958.42	14.11	14.71	104.05	-63.25	2,326.62	341.30	313.33	27.97	12.201	
4,100.00	4,100.00	4,076.05	4,056.94	14.47	15.11	104.10	-66.50	2,338.27	353.48	324.79	28.69	12.320	
4,200.00	4,200.00	4,175.31	4,155.45	14.82	15.51	104.15	-69.75	2,349.92	365.66	336.25	29.41	12.433	
4,300.00	4,300.00	4,274.56	4,253.97	15.18	15.91	104.20	-73.00	2,361.57	377.85	347.72	30.13	12.541	
4,400.00	4,400.00	4,373.82	4,352.48	15.54	16.31	104.24	-76.24	2,373.23	390.03	359.18	30.85	12.643	
4,500.00	4,500.00	4,473.07	4,450.99	15.90	16.71	104.28	-79.49	2,384.88	402.21	370.65	31.57	12.741	
4,600.00	4,600.00	4,572.33	4,549.51	16.26	17.11	104.32	-82.74	2,396.53	414.40	382.11	32.29	12.835	
4,700.00	4,700.00	4,671.58	4,648.02	16.62	17.52	104.36	-85.99	2,408.18	426.58	393.57	33.01	12.924	
4,800.00	4,800.00	4,770.84	4,746.54	16.98	17.92	104.39	-89.24	2,419.83	438.77	405.04	33.73	13.009	
4,900.00	4,900.00	4,870.09	4,845.05	17.33	18.32	104.42	-92.49	2,431.48	450.95	416.50	34.45	13.091	
5,000.00	5,000.00	4,969.35	4,943.57	17.69	18.72	104.45	-95.73	2,443.14	463.14	427.97	35.17	13.169	
5,100.00	5,100.00	5,068.60	5,042.08	18.05	19.12	104.48	-98.98	2,454.79	475.32	439.43	35.89	13.245	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5492-MWD - OWSG, 12740-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,200.00	5,167.86	5,140.60	18.41	19.52	104.51	-102.23	2,466.44	487.51	450.90	36.61	13.317	
5,300.00	5,300.00	5,267.11	5,239.11	18.77	19.93	104.54	-105.48	2,478.09	499.69	462.36	37.33	13.386	
5,400.00	5,400.00	5,366.36	5,337.63	19.13	20.33	104.56	-108.73	2,489.74	511.88	473.83	38.05	13.453	
5,500.00	5,500.00	5,465.62	5,436.14	19.31	20.62	104.58	-111.98	2,501.39	524.06	485.59	38.47	13.621	
5,600.00	5,600.00	5,564.87	5,534.66	19.31	20.74	104.61	-115.23	2,513.05	536.25	497.70	38.55	13.911	
5,700.00	5,700.00	5,664.13	5,633.17	19.33	20.82	104.63	-118.47	2,524.70	548.43	509.86	38.57	14.217	
5,800.00	5,800.00	5,763.38	5,731.69	19.35	20.90	104.65	-121.72	2,536.35	560.62	522.00	38.61	14.519	
5,900.00	5,899.99	5,862.64	5,830.20	19.37	20.99	-86.59	-124.97	2,548.00	572.73	534.06	38.67	14.812	
6,000.00	5,999.91	5,961.85	5,928.67	19.40	21.08	-86.77	-128.22	2,559.65	584.69	545.96	38.73	15.096	
6,100.00	6,099.69	6,060.95	6,027.03	19.44	21.18	-87.20	-131.46	2,571.28	596.56	557.75	38.81	15.371	
6,133.33	6,132.91	6,106.06	6,059.78	19.45	21.23	-87.39	-132.54	2,575.16	600.50	561.66	38.85	15.459	
6,200.00	6,199.32	6,159.91	6,125.26	19.48	21.29	-87.91	-134.70	2,582.90	608.41	569.51	38.91	15.638	
6,300.00	6,298.94	6,258.87	6,223.48	19.54	21.41	-88.66	-137.94	2,594.52	620.37	581.35	39.02	15.900	
6,400.00	6,398.56	6,357.83	6,321.70	19.60	21.53	-89.39	-141.18	2,606.13	632.43	593.28	39.14	16.157	
6,500.00	6,498.18	6,456.78	6,419.92	19.67	21.67	-90.08	-144.42	2,617.75	644.58	605.30	39.28	16.409	
6,600.00	6,597.80	6,555.74	6,518.14	19.74	21.80	-90.76	-147.65	2,629.37	656.83	617.39	39.44	16.655	
6,700.00	6,697.42	6,654.69	6,616.35	19.82	21.95	-91.40	-150.89	2,640.98	669.16	629.55	39.61	16.895	
6,800.00	6,797.04	6,753.65	6,714.57	19.91	22.10	-92.03	-154.13	2,652.60	681.57	641.78	39.79	17.129	
6,900.00	6,896.66	6,852.61	6,812.79	20.01	22.25	-92.63	-157.37	2,664.22	694.06	654.08	39.99	17.357	
7,000.00	6,996.28	6,951.56	6,911.01	20.11	22.42	-93.21	-160.61	2,675.83	706.63	666.43	40.20	17.579	
7,100.00	7,095.90	7,050.52	7,009.23	20.22	22.59	-93.77	-163.85	2,687.45	719.26	678.84	40.42	17.794	
7,200.00	7,195.52	7,149.47	7,107.45	20.34	22.76	-94.31	-167.09	2,699.07	731.96	691.30	40.66	18.002	
7,300.00	7,295.14	7,248.43	7,205.66	20.46	22.94	-94.84	-170.32	2,710.68	744.72	703.81	40.91	18.204	
7,400.00	7,394.76	7,347.39	7,303.88	20.59	23.13	-95.34	-173.56	2,722.30	757.54	716.37	41.17	18.398	
7,500.00	7,494.38	7,446.34	7,402.10	20.73	23.32	-95.83	-176.80	2,733.92	770.42	728.97	41.45	18.587	
7,600.00	7,594.00	7,545.30	7,500.32	20.87	23.52	-96.30	-180.04	2,745.53	783.35	741.61	41.74	18.768	
7,700.00	7,693.62	7,644.25	7,598.54	21.02	23.72	-96.76	-183.28	2,757.15	796.33	754.29	42.04	18.943	
7,800.00	7,793.24	7,743.21	7,696.76	21.18	23.93	-97.20	-186.52	2,768.77	809.36	767.01	42.35	19.111	
7,900.00	7,892.85	7,842.17	7,794.98	21.34	24.14	-97.63	-189.76	2,780.38	822.44	779.76	42.68	19.272	
8,000.00	7,992.47	7,941.12	7,893.19	21.50	24.36	-98.05	-192.99	2,792.00	835.56	792.55	43.01	19.427	
8,100.00	8,092.09	8,040.08	7,991.41	21.68	24.58	-98.45	-196.23	2,803.62	848.72	805.36	43.36	19.575	
8,200.00	8,191.71	8,139.03	8,089.63	21.85	24.81	-98.84	-199.47	2,815.23	861.92	818.21	43.71	19.718	
8,300.00	8,291.33	8,241.10	8,190.94	22.04	25.05	-99.23	-202.80	2,827.19	875.14	831.05	44.09	19.848	
8,400.00	8,390.95	8,368.82	8,318.00	22.23	25.33	-99.74	-206.29	2,839.69	886.46	841.90	44.57	19.891	
8,432.50	8,423.33	8,410.49	8,359.53	22.29	25.42	-99.92	-207.18	2,842.89	889.46	844.74	44.72	19.891	
8,500.00	8,490.62	8,497.29	8,446.15	22.42	25.59	-100.34	-208.64	2,848.13	894.50	849.48	45.02	19.868	
8,600.00	8,590.46	8,626.36	8,575.14	22.61	25.83	-100.79	-209.84	2,852.43	898.88	853.44	45.44	19.780	
8,700.00	8,690.41	8,741.63	8,690.41	22.80	26.01	-101.02	-210.00	2,853.00	899.90	854.08	45.82	19.639	
8,765.83	8,756.24	8,807.46	8,756.24	22.91	26.11	90.25	-210.00	2,853.00	900.01	853.96	46.05	19.544	
8,800.00	8,790.41	8,841.63	8,790.41	22.97	26.16	90.25	-210.00	2,853.00	900.01	853.84	46.17	19.494	
8,900.00	8,890.41	8,941.63	8,890.41	23.14	26.32	90.25	-210.00	2,853.00	900.01	853.49	46.52	19.349	
9,000.00	8,990.41	9,041.63	8,990.41	23.32	26.49	90.25	-210.00	2,853.00	900.01	853.14	46.87	19.202	
9,100.00	9,090.41	9,141.63	9,090.41	23.50	26.65	90.25	-210.00	2,853.00	900.01	852.77	47.24	19.054	
9,200.00	9,190.41	9,241.63	9,190.41	23.68	26.82	90.25	-210.00	2,853.00	900.01	852.40	47.61	18.905	
9,300.00	9,290.41	9,341.63	9,290.41	23.87	27.00	90.25	-210.00	2,853.00	900.01	852.02	47.99	18.755	
9,400.00	9,390.41	9,441.63	9,390.41	24.06	27.17	90.25	-210.00	2,853.00	900.01	851.63	48.37	18.605	
9,500.00	9,490.41	9,541.63	9,490.41	24.26	27.35	90.25	-210.00	2,853.00	900.01	851.24	48.77	18.454	
9,600.00	9,590.41	9,641.63	9,590.41	24.45	27.54	90.25	-210.00	2,853.00	900.01	850.84	49.17	18.303	
9,700.00	9,690.41	9,741.63	9,690.41	24.66	27.73	90.25	-210.00	2,853.00	900.01	850.43	49.58	18.152	
9,800.00	9,790.41	9,841.63	9,790.41	24.86	27.92	90.25	-210.00	2,853.00	900.01	850.01	50.00	18.001	
9,900.00	9,890.41	9,941.63	9,890.41	25.07	28.11	90.25	-210.00	2,853.00	900.01	849.59	50.42	17.850	
10,000.00	9,990.41	10,041.63	9,990.41	25.29	28.31	90.25	-210.00	2,853.00	900.01	849.16	50.85	17.699	

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:	217H	**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
10,100.00	10,090.41	10,141.63	10,090.41	25.50	28.51	90.25	-210.00	2,853.00	900.01	848.72	51.29	17.549	
10,200.00	10,190.41	10,241.63	10,190.41	25.72	28.71	90.25	-210.00	2,853.00	900.01	848.28	51.73	17.399	
10,300.00	10,290.41	10,341.63	10,290.41	25.95	28.92	90.25	-210.00	2,853.00	900.01	847.83	52.18	17.249	
10,400.00	10,390.41	10,441.63	10,390.41	26.17	29.13	90.25	-210.00	2,853.00	900.01	847.38	52.63	17.100	
10,500.00	10,490.41	10,541.63	10,490.41	26.40	29.34	90.25	-210.00	2,853.00	900.01	846.92	53.09	16.952	
10,600.00	10,590.41	10,641.63	10,590.41	26.63	29.56	90.25	-210.00	2,853.00	900.01	846.45	53.56	16.804	
10,700.00	10,690.41	10,741.63	10,690.41	26.87	29.78	90.25	-210.00	2,853.00	900.01	845.98	54.03	16.658	
10,800.00	10,790.41	10,841.63	10,790.41	27.10	30.00	90.25	-210.00	2,853.00	900.01	845.50	54.51	16.512	
10,900.00	10,890.41	10,941.63	10,890.41	27.34	30.22	90.25	-210.00	2,853.00	900.01	845.02	54.99	16.367	
11,000.00	10,990.41	11,041.63	10,990.41	27.58	30.45	90.25	-210.00	2,853.00	900.01	844.53	55.47	16.224	
11,100.00	11,090.41	11,141.63	11,090.41	27.83	30.68	90.25	-210.00	2,853.00	900.01	844.04	55.97	16.081	
11,200.00	11,190.41	11,241.63	11,190.41	28.08	30.91	90.25	-210.00	2,853.00	900.01	843.55	56.46	15.940	
11,300.00	11,290.41	11,341.63	11,290.41	28.33	31.14	90.25	-210.00	2,853.00	900.01	843.04	56.96	15.799	
11,400.00	11,390.41	11,441.63	11,390.41	28.58	31.38	90.25	-210.00	2,853.00	900.01	842.54	57.47	15.660	
11,500.00	11,490.41	11,541.63	11,490.41	28.83	31.62	90.25	-210.00	2,853.00	900.01	842.03	57.98	15.522	
11,600.00	11,590.41	11,641.63	11,590.41	29.09	31.86	90.25	-210.00	2,853.00	900.01	841.51	58.50	15.386	
11,700.00	11,690.41	11,741.63	11,690.41	29.35	32.10	90.25	-210.00	2,853.00	900.01	840.99	59.02	15.250	
11,800.00	11,790.41	11,841.63	11,790.41	29.61	32.34	90.25	-210.00	2,853.00	900.01	840.47	59.54	15.116	
11,900.00	11,890.41	11,941.65	11,890.43	29.87	32.59	90.25	-210.00	2,853.00	900.01	839.94	60.07	14.984	
11,989.60	11,980.00	12,031.84	11,980.23	30.11	32.80	89.79	-202.69	2,852.96	899.97	839.43	60.54	14.866	
11,998.53	11,988.93	12,040.67	11,988.93	30.13	32.82	90.00	-201.22	2,852.95	899.97	839.38	60.59	14.854	
12,000.00	11,990.40	12,042.12	11,990.36	30.13	32.83	89.99	-200.96	2,852.95	899.97	839.37	60.59	14.852	
12,050.00	12,040.29	12,091.13	12,038.17	30.26	32.93	89.49	-190.24	2,852.90	900.00	839.16	60.85	14.791	
12,100.00	12,089.72	12,139.50	12,084.29	30.38	33.03	89.00	-175.69	2,852.82	900.11	839.03	61.08	14.736	
12,150.00	12,138.32	12,187.27	12,128.46	30.50	33.11	88.52	-157.56	2,852.73	900.28	838.97	61.30	14.686	
12,200.00	12,185.71	12,234.47	12,170.48	30.61	33.19	88.05	-136.09	2,852.61	900.50	838.99	61.51	14.640	
12,250.00	12,231.53	12,281.14	12,210.15	30.71	33.25	87.60	-111.54	2,852.48	900.77	839.07	61.70	14.599	
12,300.00	12,275.44	12,327.31	12,247.31	30.81	33.31	87.16	-84.14	2,852.34	901.09	839.21	61.88	14.562	
12,350.00	12,317.10	12,373.04	12,281.81	30.90	33.36	86.75	-54.15	2,852.18	901.44	839.38	62.06	14.526	
12,400.00	12,356.20	12,418.35	12,313.54	31.00	33.41	86.36	-21.82	2,852.01	901.81	839.58	62.23	14.492	
12,450.00	12,392.43	12,463.29	12,342.38	31.09	33.45	86.00	12.63	2,851.83	902.19	839.79	62.40	14.459	
12,500.00	12,425.53	12,507.88	12,368.25	31.19	33.49	85.67	48.94	2,851.64	902.57	840.00	62.57	14.425	
12,550.00	12,455.23	12,552.18	12,391.07	31.29	33.53	85.37	86.89	2,851.45	902.94	840.19	62.76	14.388	
12,600.00	12,481.32	12,596.20	12,410.78	31.40	33.57	85.10	126.25	2,851.24	903.29	840.34	62.95	14.349	
12,650.00	12,503.59	12,640.00	12,427.33	31.52	33.60	84.86	166.78	2,851.03	903.62	840.46	63.16	14.306	
12,700.00	12,521.87	12,683.60	12,440.68	31.65	33.65	84.66	208.27	2,850.81	903.91	840.52	63.39	14.259	
12,750.00	12,536.04	12,727.04	12,450.82	31.79	37.22	84.49	250.50	2,850.59	904.15	840.53	63.62	14.211	
12,789.60	12,544.25	12,764.60	12,457.49	31.91	38.98	84.41	287.47	2,850.40	904.27	840.46	63.81	14.172	
12,800.00	12,546.06	12,774.35	12,459.14	36.93	38.99	84.41	297.07	2,850.34	904.27	840.42	63.85	14.162	
12,814.60	12,548.59	12,787.95	12,461.27	36.94	39.00	84.39	310.51	2,850.27	904.29	840.39	63.90	14.151	
12,850.00	12,554.10	12,820.93	12,465.66	36.95	39.03	84.35	343.19	2,850.07	904.35	840.31	64.04	14.122	
12,900.00	12,559.65	12,867.47	12,469.93	36.98	39.08	84.29	389.52	2,849.75	904.43	840.16	64.27	14.073	
12,950.00	12,562.59	12,913.97	12,471.94	37.00	39.13	84.25	435.97	2,849.38	904.49	839.96	64.54	14.015	
12,981.32	12,563.11	12,943.92	12,472.11	37.02	39.16	84.23	465.93	2,849.11	904.52	839.79	64.73	13.974	
13,000.00	12,563.10	12,962.60	12,472.10	37.03	39.19	84.23	484.61	2,848.95	904.52	839.67	64.85	13.947	
13,100.00	12,563.10	13,062.60	12,472.10	37.08	39.32	84.23	584.61	2,848.06	904.52	838.91	65.61	13.785	
13,200.00	12,563.10	13,162.60	12,472.10	37.13	39.48	84.23	684.60	2,847.18	904.53	838.00	66.53	13.597	
13,300.00	12,563.10	13,262.60	12,472.10	37.19	39.67	84.23	784.60	2,846.29	904.53	836.94	67.59	13.383	
13,400.00	12,563.10	13,362.60	12,472.09	37.24	39.89	84.23	884.59	2,845.40	904.53	835.74	68.79	13.149	
13,500.00	12,563.09	13,462.60	12,472.09	37.30	40.16	84.23	984.59	2,844.52	904.53	834.41	70.13	12.899	
13,600.00	12,563.09	13,562.60	12,472.09	37.37	40.49	84.23	1,084.59	2,843.63	904.53	832.94	71.59	12.634	
13,700.00	12,563.09	13,662.60	12,472.09	37.44	40.88	84.23	1,184.58	2,842.74	904.54	831.36	73.18	12.361	

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:	217H	**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
13,800.00	12,563.09	13,762.60	12,472.09	37.62	41.34	84.23	1,284.58	2,841.86	904.54	829.66	74.88	12.080	
13,900.00	12,563.08	13,862.60	12,472.08	38.40	41.88	84.23	1,384.57	2,840.97	904.54	827.86	76.68	11.796	
14,000.00	12,563.08	13,962.60	12,472.08	39.34	42.51	84.23	1,484.57	2,840.08	904.54	825.96	78.58	11.511	
14,100.00	12,563.08	14,062.60	12,472.08	40.34	43.22	84.23	1,584.57	2,839.20	904.55	823.97	80.57	11.226	
14,200.00	12,563.08	14,162.60	12,472.08	41.38	44.02	84.23	1,684.56	2,838.31	904.55	821.90	82.65	10.944	
14,300.00	12,563.07	14,262.60	12,472.07	42.46	44.89	84.23	1,784.56	2,837.42	904.55	819.75	84.80	10.666	
14,400.00	12,563.07	14,362.60	12,472.07	43.58	45.82	84.23	1,884.55	2,836.54	904.55	817.52	87.03	10.394	
14,500.00	12,563.07	14,462.60	12,472.07	44.73	46.82	84.23	1,984.55	2,835.65	904.55	815.23	89.32	10.127	
14,600.00	12,563.07	14,562.60	12,472.07	45.91	47.87	84.23	2,084.55	2,834.76	904.56	812.88	91.68	9.867	
14,700.00	12,563.06	14,662.60	12,472.06	47.12	48.96	84.23	2,184.54	2,833.88	904.56	810.47	94.09	9.614	
14,800.00	12,563.06	14,762.60	12,472.06	48.36	50.10	84.23	2,284.54	2,832.99	904.56	808.00	96.56	9.368	
14,900.00	12,563.06	14,862.60	12,472.06	49.62	51.28	84.23	2,384.53	2,832.10	904.56	805.49	99.07	9.130	
15,000.00	12,563.06	14,962.60	12,472.06	50.91	52.48	84.23	2,484.53	2,831.22	904.56	802.93	101.63	8.901	
15,100.00	12,563.05	15,062.60	12,472.05	52.21	53.72	84.23	2,584.53	2,830.33	904.57	800.33	104.23	8.678	
15,200.00	12,563.05	15,162.60	12,472.05	53.54	54.98	84.23	2,684.52	2,829.44	904.57	797.70	106.87	8.464	
15,300.00	12,563.05	15,262.60	12,472.05	54.88	56.27	84.23	2,784.52	2,828.56	904.57	795.02	109.55	8.257	
15,400.00	12,563.05	15,362.60	12,472.05	56.25	57.58	84.23	2,884.51	2,827.67	904.57	792.31	112.26	8.058	
15,500.00	12,563.04	15,462.60	12,472.04	57.62	58.91	84.23	2,984.51	2,826.79	904.58	789.57	115.00	7.866	
15,600.00	12,563.04	15,562.60	12,472.04	59.01	60.26	84.23	3,084.51	2,825.90	904.58	786.81	117.77	7.681	
15,700.00	12,563.04	15,662.60	12,472.04	60.42	61.62	84.23	3,184.50	2,825.01	904.58	784.01	120.57	7.503	
15,800.00	12,563.04	15,762.60	12,472.04	61.84	63.00	84.23	3,284.50	2,824.13	904.58	781.19	123.39	7.331	
15,900.00	12,563.03	15,862.60	12,472.03	63.27	64.40	84.23	3,384.50	2,823.24	904.58	778.35	126.24	7.166	
16,000.00	12,563.03	15,962.60	12,472.03	64.71	65.81	84.23	3,484.49	2,822.35	904.59	775.48	129.10	7.007	
16,100.00	12,563.03	16,062.60	12,472.03	66.16	67.23	84.23	3,584.49	2,821.47	904.59	772.60	131.99	6.853	
16,200.00	12,563.03	16,162.60	12,472.03	67.62	68.66	84.23	3,684.48	2,820.58	904.59	769.69	134.90	6.706	
16,300.00	12,563.02	16,262.60	12,472.02	69.08	70.10	84.23	3,784.48	2,819.69	904.59	766.77	137.83	6.563	
16,400.00	12,563.02	16,362.60	12,472.02	70.56	71.56	84.23	3,884.48	2,818.81	904.60	763.83	140.77	6.426	
16,500.00	12,563.02	16,462.60	12,472.02	72.05	73.02	84.23	3,984.47	2,817.92	904.60	760.87	143.73	6.294	
16,600.00	12,563.02	16,562.60	12,472.02	73.54	74.49	84.23	4,084.47	2,817.03	904.60	757.90	146.70	6.166	
16,700.00	12,563.01	16,662.60	12,472.01	75.04	75.97	84.23	4,184.46	2,816.15	904.60	754.92	149.69	6.043	
16,800.00	12,563.01	16,762.60	12,472.01	76.55	77.45	84.23	4,284.46	2,815.26	904.60	751.92	152.69	5.925	
16,900.00	12,563.01	16,862.60	12,472.01	78.06	78.95	84.23	4,384.46	2,814.37	904.61	748.91	155.70	5.810	
17,000.00	12,563.01	16,962.60	12,472.01	79.58	80.45	84.23	4,484.45	2,813.49	904.61	745.89	158.72	5.699	
17,100.00	12,563.00	17,062.60	12,472.00	81.10	81.96	84.23	4,584.45	2,812.60	904.61	742.85	161.76	5.592	
17,200.00	12,563.00	17,162.60	12,472.00	82.63	83.47	84.23	4,684.44	2,811.71	904.61	739.81	164.80	5.489	
17,281.54	12,563.00	17,244.14	12,472.00	83.88	84.71	84.23	4,765.98	2,810.99	904.62	737.32	167.29	5.407	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.37	118.00	3,558.00	1,563.34				
100.00	100.00	75.00	75.00	0.13	0.10	86.37	118.00	3,558.00	1,563.14	1,562.92	0.22	7,019.007	
200.00	200.00	175.00	175.00	0.49	0.40	86.37	118.00	3,558.00	1,563.14	1,562.26	0.88	1,772.586	
300.00	300.00	275.00	275.00	0.84	0.75	86.37	118.00	3,558.00	1,563.14	1,561.54	1.60	977.705	
400.00	400.00	375.00	375.00	1.20	1.11	86.37	118.00	3,558.00	1,563.14	1,560.82	2.32	675.010	
500.00	500.00	475.00	475.00	1.56	1.47	86.37	118.00	3,558.00	1,563.14	1,560.11	3.03	515.433	
600.00	600.00	575.00	575.00	1.92	1.83	86.37	118.00	3,558.00	1,563.14	1,559.39	3.75	416.880	
700.00	700.00	675.00	675.00	2.28	2.19	86.37	118.00	3,558.00	1,563.14	1,558.67	4.47	349.965	
800.00	800.00	775.00	775.00	2.64	2.55	86.37	118.00	3,558.00	1,563.14	1,557.95	5.18	301.560	
900.00	900.00	875.00	875.00	3.00	2.91	86.37	118.00	3,558.00	1,563.14	1,557.24	5.90	264.919	
1,000.00	1,000.00	975.00	975.00	3.35	3.26	86.37	118.00	3,558.00	1,563.14	1,556.52	6.62	236.217	
1,100.00	1,100.00	1,075.00	1,075.00	3.71	3.62	86.37	118.00	3,558.00	1,563.14	1,555.80	7.33	213.126	
1,200.00	1,200.00	1,175.00	1,175.00	4.07	3.98	86.37	118.00	3,558.00	1,563.14	1,555.09	8.05	194.148	
1,300.00	1,300.00	1,275.00	1,275.00	4.43	4.34	86.37	118.00	3,558.00	1,563.14	1,554.37	8.77	178.273	
1,400.00	1,400.00	1,375.00	1,375.00	4.79	4.70	86.37	118.00	3,558.00	1,563.14	1,553.65	9.49	164.798	
1,500.00	1,500.00	1,475.00	1,475.00	5.15	5.06	86.37	118.00	3,558.00	1,563.14	1,552.94	10.20	153.217	
1,600.00	1,600.00	1,575.00	1,575.00	5.50	5.41	86.37	118.00	3,558.00	1,563.14	1,552.22	10.92	143.157	
1,700.00	1,700.00	1,675.00	1,675.00	5.86	5.77	86.37	118.00	3,558.00	1,563.14	1,551.50	11.64	134.337	
1,800.00	1,800.00	1,775.00	1,775.00	6.22	6.13	86.37	118.00	3,558.00	1,563.14	1,550.79	12.35	126.540	
1,900.00	1,900.00	1,875.00	1,875.00	6.58	6.49	86.37	118.00	3,558.00	1,563.14	1,550.07	13.07	119.599	
2,000.00	2,000.00	1,975.00	1,975.00	6.94	6.85	86.37	118.00	3,558.00	1,563.14	1,549.35	13.79	113.379	
2,100.00	2,100.00	2,075.00	2,075.00	7.30	7.21	86.37	118.00	3,558.00	1,563.14	1,548.63	14.50	107.775	
2,200.00	2,200.00	2,175.00	2,175.00	7.66	7.57	86.37	118.00	3,558.00	1,563.14	1,547.92	15.22	102.698	
2,300.00	2,300.00	2,275.00	2,275.00	8.01	7.92	86.37	118.00	3,558.00	1,563.14	1,547.20	15.94	98.078	
2,400.00	2,400.00	2,375.00	2,375.00	8.37	8.28	86.37	118.00	3,558.00	1,563.14	1,546.48	16.65	93.856	
2,500.00	2,500.00	2,475.00	2,475.00	8.73	8.64	86.37	118.00	3,558.00	1,563.14	1,545.77	17.37	89.983	
2,600.00	2,600.00	2,575.00	2,575.00	9.09	9.00	86.37	118.00	3,558.00	1,563.14	1,545.05	18.09	86.416	
2,700.00	2,700.00	2,675.00	2,675.00	9.45	9.36	86.37	118.00	3,558.00	1,563.14	1,544.33	18.81	83.122	
2,800.00	2,800.00	2,775.00	2,775.00	9.81	9.72	86.37	118.00	3,558.00	1,563.14	1,543.62	19.52	80.069	
2,900.00	2,900.00	2,875.00	2,875.00	10.16	10.07	86.37	118.00	3,558.00	1,563.14	1,542.90	20.24	77.233	
3,000.00	3,000.00	2,975.00	2,975.00	10.52	10.43	86.37	118.00	3,558.00	1,563.14	1,542.18	20.96	74.591	
3,100.00	3,100.00	3,075.00	3,075.00	10.88	10.79	86.37	118.00	3,558.00	1,563.14	1,541.47	21.67	72.123	
3,200.00	3,200.00	3,175.00	3,175.00	11.24	11.15	86.37	118.00	3,558.00	1,563.14	1,540.75	22.39	69.814	
3,300.00	3,300.00	3,275.00	3,275.00	11.60	11.51	86.37	118.00	3,558.00	1,563.14	1,540.03	23.11	67.648	
3,400.00	3,400.00	3,375.00	3,375.00	11.96	11.87	86.37	118.00	3,558.00	1,563.14	1,539.31	23.82	65.612	
3,500.00	3,500.00	3,475.00	3,475.00	12.32	12.23	86.37	118.00	3,558.00	1,563.14	1,538.60	24.54	63.695	
3,600.00	3,600.00	3,575.00	3,575.00	12.67	12.58	86.37	118.00	3,558.00	1,563.14	1,537.88	25.26	61.887	
3,700.00	3,700.00	3,675.00	3,675.00	13.03	12.94	86.37	118.00	3,558.00	1,563.14	1,537.16	25.97	60.179	
3,800.00	3,800.00	3,775.00	3,775.00	13.39	13.30	86.37	118.00	3,558.00	1,563.14	1,536.45	26.69	58.563	
3,900.00	3,900.00	3,875.00	3,875.00	13.75	13.65	86.37	118.00	3,558.00	1,563.14	1,535.73	27.41	57.031	
4,000.00	4,000.00	3,975.00	3,975.00	14.11	14.02	86.37	118.00	3,558.00	1,563.14	1,535.01	28.13	55.577	
4,100.00	4,100.00	4,075.00	4,075.00	14.47	14.38	86.37	118.00	3,558.00	1,563.14	1,534.30	28.84	54.195	
4,200.00	4,200.00	4,175.00	4,175.00	14.82	14.73	86.37	118.00	3,558.00	1,563.14	1,533.58	29.56	52.881	
4,300.00	4,300.00	4,275.00	4,275.00	15.18	15.09	86.37	118.00	3,558.00	1,563.14	1,532.86	30.28	51.629	
4,400.00	4,400.00	4,375.00	4,375.00	15.54	15.45	86.37	118.00	3,558.00	1,563.14	1,532.14	30.99	50.434	
4,500.00	4,500.00	4,475.00	4,475.00	15.90	15.81	86.37	118.00	3,558.00	1,563.14	1,531.43	31.71	49.294	
4,600.00	4,600.00	4,575.00	4,575.00	16.26	16.17	86.37	118.00	3,558.00	1,563.14	1,530.71	32.43	48.204	
4,700.00	4,700.00	4,675.00	4,675.00	16.62	16.53	86.37	118.00	3,558.00	1,563.14	1,529.99	33.14	47.162	
4,800.00	4,800.00	4,775.00	4,775.00	16.98	16.89	86.37	118.00	3,558.00	1,563.14	1,529.28	33.86	46.163 CC	
4,900.00	4,900.00	4,863.26	4,863.26	17.33	17.19	86.39	117.55	3,558.27	1,563.42	1,528.90	34.52	45.285 ES	
5,000.00	5,000.00	4,947.55	4,947.51	17.69	17.47	86.46	115.55	3,559.45	1,564.67	1,529.51	35.16	44.503	
5,100.00	5,100.00	5,031.69	5,031.55	18.05	17.75	86.60	111.95	3,561.57	1,566.94	1,531.15	35.78	43.790	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5498-MWD - OWSG, 12779-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,200.00	5,115.61	5,115.26	18.41	18.02	86.79	106.78	3,564.63	1,570.22	1,533.82	36.40	43.133	
5,300.00	5,300.00	5,211.88	5,211.15	18.77	18.34	87.06	99.59	3,568.88	1,574.24	1,537.16	37.07	42.461	
5,400.00	5,400.00	5,311.50	5,310.39	19.13	18.67	87.34	92.12	3,573.29	1,578.31	1,540.55	37.76	41.799	
5,500.00	5,500.00	5,411.11	5,409.63	19.31	18.98	87.62	84.64	3,577.71	1,582.42	1,544.17	38.25	41.370	
5,600.00	5,600.00	5,510.73	5,508.87	19.31	19.13	87.90	77.17	3,582.13	1,586.57	1,548.17	38.41	41.308	
5,700.00	5,700.00	5,610.35	5,608.12	19.33	19.14	88.17	69.69	3,586.54	1,590.76	1,552.33	38.43	41.391	
5,800.00	5,800.00	5,709.97	5,707.36	19.35	19.16	88.45	62.22	3,590.96	1,594.98	1,556.51	38.47	41.460	
5,900.00	5,899.99	5,809.67	5,806.67	19.37	19.19	-102.57	54.74	3,595.38	1,599.53	1,561.01	38.52	41.522	
6,000.00	5,999.91	5,909.46	5,906.08	19.40	19.22	-102.36	47.25	3,599.81	1,604.66	1,566.07	38.59	41.586	
6,100.00	6,099.69	6,009.29	6,005.53	19.44	19.27	-102.23	39.76	3,604.23	1,610.35	1,571.69	38.67	41.648	
6,133.33	6,132.91	6,042.56	6,038.68	19.45	19.29	-102.21	37.26	3,605.71	1,612.37	1,573.68	38.70	41.667	
6,200.00	6,199.32	6,109.10	6,104.96	19.48	19.32	-102.23	32.27	3,608.66	1,616.48	1,577.72	38.76	41.704	
6,300.00	6,298.94	6,208.90	6,204.39	19.54	19.38	-102.27	24.78	3,613.08	1,622.64	1,583.77	38.87	41.746	
6,400.00	6,398.56	6,308.71	6,303.81	19.60	19.44	-102.30	17.29	3,617.51	1,628.80	1,589.80	38.99	41.771	
6,500.00	6,498.18	6,408.51	6,403.24	19.67	19.52	-102.33	9.80	3,621.93	1,634.95	1,595.82	39.13	41.780	
6,600.00	6,597.80	6,508.32	6,502.67	19.74	19.60	-102.36	2.31	3,626.36	1,641.11	1,601.83	39.29	41.774	
6,700.00	6,697.42	6,608.13	6,602.09	19.82	19.69	-102.40	-5.17	3,630.78	1,647.27	1,607.82	39.45	41.753	
6,800.00	6,797.04	6,707.93	6,701.52	19.91	19.78	-102.43	-12.66	3,635.21	1,653.43	1,613.80	39.63	41.717	
6,900.00	6,896.66	6,807.74	6,800.94	20.01	19.88	-102.46	-20.15	3,639.64	1,659.60	1,619.77	39.83	41.667	
7,000.00	6,996.28	6,907.54	6,900.37	20.11	19.99	-102.49	-27.64	3,644.06	1,665.76	1,625.72	40.04	41.604	
7,100.00	7,095.90	7,007.35	6,999.80	20.22	20.11	-102.52	-35.13	3,648.49	1,671.92	1,631.66	40.26	41.527	
7,200.00	7,195.52	7,107.16	7,099.22	20.34	20.23	-102.55	-42.62	3,652.91	1,678.08	1,637.58	40.50	41.438	
7,300.00	7,295.14	7,206.96	7,198.65	20.46	20.36	-102.58	-50.11	3,657.34	1,684.24	1,643.50	40.75	41.335	
7,400.00	7,394.76	7,306.77	7,298.07	20.59	20.49	-102.61	-57.60	3,661.76	1,690.41	1,649.40	41.01	41.222	
7,500.00	7,494.38	7,406.57	7,397.50	20.73	20.64	-102.64	-65.09	3,666.19	1,696.57	1,655.29	41.28	41.097	
7,600.00	7,594.00	7,506.38	7,496.93	20.87	20.78	-102.67	-72.57	3,670.61	1,702.74	1,661.17	41.57	40.962	
7,700.00	7,693.62	7,606.18	7,596.35	21.02	20.94	-102.70	-80.06	3,675.04	1,708.90	1,667.03	41.87	40.817	
7,800.00	7,793.24	7,705.99	7,695.78	21.18	21.10	-102.73	-87.55	3,679.46	1,715.07	1,672.89	42.18	40.663	
7,900.00	7,892.85	7,805.80	7,795.20	21.34	21.26	-102.76	-95.04	3,683.89	1,721.23	1,678.73	42.50	40.500	
8,000.00	7,992.47	7,905.60	7,894.63	21.50	21.43	-102.79	-102.53	3,688.31	1,727.40	1,684.56	42.83	40.328	
8,100.00	8,092.09	8,005.41	7,994.06	21.66	21.61	-102.82	-110.02	3,692.74	1,733.56	1,690.39	43.18	40.150	
8,200.00	8,191.71	8,105.21	8,093.48	21.85	21.79	-102.85	-117.51	3,697.16	1,739.73	1,696.20	43.53	39.964	
8,300.00	8,291.33	8,205.02	8,192.91	22.04	21.98	-102.88	-125.00	3,701.59	1,745.90	1,702.00	43.90	39.771	
8,400.00	8,390.95	8,304.83	8,292.33	22.23	22.17	-102.91	-132.49	3,706.01	1,752.07	1,707.79	44.27	39.573	
8,432.50	8,423.33	8,337.26	8,324.65	22.29	22.24	-102.92	-134.92	3,707.45	1,754.07	1,709.67	44.40	39.507	
8,500.00	8,490.62	8,404.64	8,391.77	22.42	22.37	-102.97	-139.98	3,710.44	1,758.10	1,713.44	44.66	39.367	
8,600.00	8,590.46	8,504.47	8,491.21	22.61	22.57	-102.98	-147.47	3,714.87	1,763.58	1,718.54	45.05	39.151	
8,700.00	8,690.41	8,604.23	8,590.60	22.80	22.78	-102.90	-154.95	3,719.29	1,768.48	1,723.05	45.44	38.923	
8,765.83	8,756.24	8,669.85	8,655.97	22.91	22.92	88.51	-159.88	3,722.20	1,771.40	1,725.71	45.69	38.773	
8,800.00	8,790.41	8,703.89	8,689.88	22.97	22.99	88.59	-162.43	3,723.71	1,772.85	1,727.04	45.81	38.696	
8,900.00	8,890.41	8,803.51	8,789.12	23.14	23.21	88.84	-169.90	3,728.13	1,777.13	1,730.93	46.20	38.470	
9,000.00	8,990.41	8,903.13	8,888.36	23.32	23.43	89.08	-177.38	3,732.54	1,781.44	1,734.85	46.58	38.241	
9,100.00	9,090.41	9,002.74	8,987.60	23.50	23.65	89.32	-184.85	3,736.96	1,785.78	1,738.80	46.98	38.010	
9,200.00	9,190.41	9,102.36	9,086.84	23.68	23.88	89.56	-192.33	3,741.38	1,790.15	1,742.77	47.39	37.777	
9,300.00	9,290.41	9,203.31	9,187.40	23.87	24.12	89.81	-199.90	3,745.85	1,794.56	1,746.75	47.80	37.539	
9,400.00	9,390.41	9,304.44	9,318.22	24.06	24.42	90.05	-207.64	3,750.43	1,798.05	1,749.74	48.31	37.222	
9,500.00	9,490.41	9,466.04	9,449.73	24.26	24.71	90.18	-211.52	3,752.72	1,799.80	1,751.00	48.80	36.883	
9,600.00	9,590.41	9,581.72	9,565.41	24.45	24.94	90.19	-212.00	3,753.00	1,800.01	1,750.78	49.23	36.562	
9,700.00	9,690.41	9,681.72	9,665.41	24.66	25.14	90.19	-212.00	3,753.00	1,800.01	1,750.38	49.63	36.270	
9,800.00	9,790.41	9,781.72	9,765.41	24.86	25.33	90.19	-212.00	3,753.00	1,800.01	1,749.98	50.03	35.977	
9,900.00	9,890.41	9,881.72	9,865.41	25.07	25.53	90.19	-212.00	3,753.00	1,800.01	1,749.57	50.44	35.684	
10,000.00	9,990.41	9,981.72	9,965.41	25.29	25.74	90.19	-212.00	3,753.00	1,800.01	1,749.15	50.86	35.391	

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:	217H	**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
10,100.00	10,090.41	10,081.72	10,065.41	25.50	25.94	90.19	-212.00	3,753.00	1,800.01	1,748.73	51.28	35.099	
10,200.00	10,190.41	10,181.72	10,165.41	25.72	26.15	90.19	-212.00	3,753.00	1,800.01	1,748.30	51.72	34.806	
10,300.00	10,290.41	10,281.72	10,265.41	25.95	26.37	90.19	-212.00	3,753.00	1,800.01	1,747.86	52.15	34.515	
10,400.00	10,390.41	10,381.72	10,365.41	26.17	26.58	90.19	-212.00	3,753.00	1,800.01	1,747.42	52.59	34.224	
10,500.00	10,490.41	10,481.72	10,465.41	26.40	26.80	90.19	-212.00	3,753.00	1,800.01	1,746.97	53.04	33.934	
10,600.00	10,590.41	10,581.72	10,565.41	26.63	27.03	90.19	-212.00	3,753.00	1,800.01	1,746.51	53.50	33.646	
10,700.00	10,690.41	10,681.72	10,665.41	26.87	27.25	90.19	-212.00	3,753.00	1,800.01	1,746.05	53.96	33.359	
10,800.00	10,790.41	10,781.72	10,765.41	27.10	27.48	90.19	-212.00	3,753.00	1,800.01	1,745.58	54.43	33.073	
10,900.00	10,890.41	10,881.72	10,865.41	27.34	27.71	90.19	-212.00	3,753.00	1,800.01	1,745.11	54.90	32.789	
11,000.00	10,990.41	10,981.72	10,965.41	27.58	27.95	90.19	-212.00	3,753.00	1,800.01	1,744.64	55.37	32.507	
11,100.00	11,090.41	11,081.72	11,065.41	27.83	28.18	90.19	-212.00	3,753.00	1,800.01	1,744.15	55.86	32.226	
11,200.00	11,190.41	11,181.72	11,165.41	28.08	28.42	90.19	-212.00	3,753.00	1,800.01	1,743.67	56.34	31.948	
11,300.00	11,290.41	11,281.72	11,265.41	28.33	28.66	90.19	-212.00	3,753.00	1,800.01	1,743.18	56.83	31.671	
11,400.00	11,390.41	11,381.72	11,365.41	28.58	28.91	90.19	-212.00	3,753.00	1,800.01	1,742.68	57.33	31.397	
11,500.00	11,490.41	11,481.72	11,465.41	28.83	29.15	90.19	-212.00	3,753.00	1,800.01	1,742.18	57.83	31.125	
11,600.00	11,590.41	11,581.72	11,565.41	29.09	29.40	90.19	-212.00	3,753.00	1,800.01	1,741.67	58.34	30.855	
11,700.00	11,690.41	11,681.72	11,665.41	29.35	29.65	90.19	-212.00	3,753.00	1,800.01	1,741.16	58.85	30.588	
11,800.00	11,790.41	11,781.72	11,765.41	29.61	29.91	90.19	-212.00	3,753.00	1,800.01	1,740.65	59.36	30.323	
11,900.00	11,890.41	11,881.72	11,865.41	29.87	30.16	90.19	-212.00	3,753.00	1,800.01	1,740.13	59.88	30.060	
11,989.60	11,980.00	11,971.31	11,955.00	30.11	30.39	90.19	-212.00	3,753.00	1,800.01	1,739.66	60.35	29.827	
12,000.00	11,990.40	11,981.72	11,965.40	30.13	30.42	90.49	-212.00	3,753.00	1,800.01	1,739.61	60.40	29.800	
12,050.00	12,040.29	12,033.38	12,017.01	30.26	30.55	90.53	-209.81	3,752.98	1,800.02	1,739.36	60.66	29.674	
12,100.00	12,089.72	12,085.19	12,068.34	30.38	30.67	90.55	-202.97	3,752.94	1,800.01	1,739.11	60.90	29.557	
12,150.00	12,138.32	12,137.07	12,118.92	30.50	30.78	90.58	-191.49	3,752.86	1,800.00	1,738.87	61.13	29.448	
12,200.00	12,185.71	12,189.01	12,168.30	30.61	30.88	90.59	-175.47	3,752.75	1,799.98	1,738.64	61.34	29.347	
12,250.00	12,231.53	12,240.98	12,216.07	30.71	30.97	90.61	-155.03	3,752.60	1,799.95	1,738.42	61.53	29.252	
12,300.00	12,275.44	12,292.98	12,261.81	30.81	31.05	90.62	-130.34	3,752.43	1,799.91	1,738.19	61.72	29.164	
12,350.00	12,317.10	12,344.99	12,305.13	30.90	31.12	90.62	-101.59	3,752.23	1,799.86	1,737.96	61.89	29.080	
12,400.00	12,356.20	12,396.98	12,345.66	31.00	31.19	90.62	-69.05	3,752.00	1,799.80	1,737.73	62.07	28.998	
12,450.00	12,392.43	12,448.95	12,383.05	31.09	31.25	90.62	-32.98	3,751.75	1,799.74	1,737.50	62.24	28.916	
12,500.00	12,425.53	12,500.87	12,416.99	31.19	31.31	90.60	6.28	3,751.48	1,799.67	1,737.25	62.42	28.832	
12,550.00	12,455.23	12,552.73	12,447.21	31.29	31.37	90.59	48.41	3,751.18	1,799.59	1,736.98	62.60	28.745	
12,600.00	12,481.32	12,604.52	12,473.46	31.40	31.44	90.57	93.03	3,750.87	1,799.50	1,736.70	62.80	28.653	
12,650.00	12,503.59	12,656.21	12,495.54	31.52	31.52	90.54	139.75	3,750.54	1,799.41	1,736.39	63.02	28.553	
12,700.00	12,521.87	12,707.80	12,513.29	31.65	31.61	90.52	188.17	3,750.21	1,799.32	1,736.07	63.25	28.446	
12,750.00	12,536.04	12,759.27	12,526.58	31.79	32.84	90.48	237.87	3,749.86	1,799.23	1,735.72	63.50	28.334	
12,789.60	12,544.25	12,799.51	12,534.07	31.91	37.08	90.46	277.41	3,749.58	1,799.15	1,735.48	63.68	28.255	
12,800.00	12,546.06	12,809.97	12,535.88	36.93	37.09	90.46	287.71	3,749.51	1,799.13	1,735.42	63.71	28.239	
12,814.50	12,548.59	12,825.07	12,538.36	36.94	37.09	90.46	302.60	3,749.41	1,799.11	1,735.35	63.76	28.218	
12,850.00	12,554.10	12,861.68	12,543.39	36.95	37.11	90.45	338.86	3,749.14	1,799.04	1,735.16	63.88	28.163	
12,900.00	12,559.65	12,913.33	12,548.11	36.98	37.14	90.43	390.29	3,748.74	1,798.97	1,734.88	64.09	28.069	
12,950.00	12,562.59	12,964.92	12,550.05	37.00	37.17	90.40	441.83	3,748.31	1,798.94	1,734.59	64.35	27.957	
12,971.89	12,563.06	12,987.11	12,550.10	37.02	37.18	90.38	464.02	3,748.12	1,798.93	1,734.46	64.47	27.903	
12,981.32	12,563.11	13,003.45	12,550.10	37.02	37.19	90.38	473.46	3,748.04	1,798.93	1,734.39	64.55	27.871	
13,000.00	12,563.10	13,015.23	12,550.10	37.03	37.19	90.38	492.13	3,747.88	1,798.94	1,734.29	64.65	27.828	
13,100.00	12,563.10	13,115.23	12,550.10	37.08	37.25	90.38	592.13	3,747.02	1,798.96	1,733.61	65.36	27.526	
13,200.00	12,563.10	13,215.23	12,550.10	37.13	37.31	90.38	692.13	3,746.16	1,798.99	1,732.77	66.23	27.165	
13,300.00	12,563.10	13,315.23	12,550.09	37.19	37.37	90.38	792.12	3,745.30	1,799.02	1,731.77	67.25	26.752	
13,400.00	12,563.10	13,415.23	12,550.09	37.24	37.44	90.38	892.12	3,744.43	1,799.04	1,730.63	68.42	26.296	
13,500.00	12,563.09	13,515.23	12,550.09	37.30	37.52	90.38	992.12	3,743.57	1,799.07	1,729.35	69.72	25.804	
13,600.00	12,563.09	13,615.23	12,550.09	37.37	37.62	90.38	1,092.11	3,742.71	1,799.10	1,727.94	71.16	25.283	
13,700.00	12,563.09	13,715.23	12,550.09	37.44	37.75	90.38	1,192.11	3,741.85	1,799.13	1,726.41	72.72	24.741	

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:	217H	**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
13,800.00	12,563.09	13,815.23	12,550.08	37.62	37.97	90.38	1,292.11	3,740.99	1,799.15	1,724.76	74.39	24.184	
13,900.00	12,563.08	13,915.23	12,550.08	38.40	38.40	90.38	1,392.10	3,740.13	1,799.18	1,723.00	76.18	23.618	
14,000.00	12,563.08	14,015.23	12,550.08	39.34	39.09	90.38	1,492.10	3,739.26	1,799.21	1,721.14	78.06	23.048	
14,100.00	12,563.08	14,115.23	12,550.08	40.34	39.96	90.38	1,592.09	3,738.40	1,799.23	1,719.19	80.04	22.479	
14,200.00	12,563.08	14,215.23	12,550.07	41.38	40.93	90.38	1,692.09	3,737.54	1,799.26	1,717.16	82.10	21.915	
14,300.00	12,563.07	14,315.23	12,550.07	42.46	41.96	90.38	1,792.09	3,736.68	1,799.29	1,715.04	84.25	21.357	
14,400.00	12,563.07	14,415.23	12,550.07	43.58	43.04	90.38	1,892.08	3,735.82	1,799.31	1,712.85	86.46	20.810	
14,500.00	12,563.07	14,515.23	12,550.07	44.73	44.15	90.38	1,992.08	3,734.96	1,799.34	1,710.59	88.75	20.274	
14,600.00	12,563.07	14,615.23	12,550.06	45.91	45.31	90.38	2,092.08	3,734.09	1,799.37	1,708.27	91.10	19.751	
14,700.00	12,563.06	14,715.23	12,550.06	47.12	46.50	90.38	2,192.07	3,733.23	1,799.40	1,705.88	93.51	19.243	
14,800.00	12,563.06	14,815.23	12,550.06	48.36	47.72	90.38	2,292.07	3,732.37	1,799.42	1,703.45	95.97	18.749	
14,900.00	12,563.06	14,915.23	12,550.06	49.62	48.96	90.38	2,392.06	3,731.51	1,799.45	1,700.96	98.49	18.271	
15,000.00	12,563.06	15,015.23	12,550.05	50.91	50.23	90.38	2,492.06	3,730.65	1,799.48	1,698.43	101.05	17.808	
15,100.00	12,563.05	15,115.23	12,550.05	52.21	51.52	90.38	2,592.06	3,729.79	1,799.50	1,695.85	103.65	17.361	
15,200.00	12,563.05	15,215.23	12,550.05	53.54	52.83	90.38	2,692.05	3,728.92	1,799.53	1,693.24	106.29	16.930	
15,300.00	12,563.05	15,315.23	12,550.05	54.88	54.17	90.38	2,792.05	3,728.06	1,799.56	1,690.58	108.97	16.514	
15,400.00	12,563.05	15,415.23	12,550.04	56.25	55.52	90.38	2,892.05	3,727.20	1,799.59	1,687.90	111.69	16.113	
15,500.00	12,563.04	15,515.23	12,550.04	57.62	56.88	90.38	2,992.04	3,726.34	1,799.61	1,685.18	114.43	15.726	
15,600.00	12,563.04	15,615.23	12,550.04	59.01	58.26	90.38	3,092.04	3,725.48	1,799.64	1,682.43	117.21	15.354	
15,700.00	12,563.04	15,715.23	12,550.04	60.42	59.66	90.38	3,192.03	3,724.62	1,799.67	1,679.65	120.01	14.996	
15,800.00	12,563.04	15,815.23	12,550.04	61.84	61.07	90.38	3,292.03	3,723.75	1,799.69	1,676.85	122.84	14.651	
15,900.00	12,563.03	15,915.23	12,550.03	63.27	62.49	90.38	3,392.03	3,722.89	1,799.72	1,674.03	125.69	14.318	
16,000.00	12,563.03	16,015.23	12,550.03	64.71	63.92	90.38	3,492.02	3,722.03	1,799.75	1,671.18	128.57	13.998	
16,100.00	12,563.03	16,115.23	12,550.03	66.16	65.37	90.38	3,592.02	3,721.17	1,799.77	1,668.31	131.47	13.690	
16,200.00	12,563.03	16,215.23	12,550.03	67.62	66.82	90.38	3,692.02	3,720.31	1,799.80	1,665.42	134.38	13.393	
16,300.00	12,563.02	16,315.23	12,550.02	69.08	68.28	90.38	3,792.01	3,719.45	1,799.83	1,662.51	137.31	13.107	
16,400.00	12,563.02	16,415.23	12,550.02	70.56	69.76	90.38	3,892.01	3,718.58	1,799.86	1,659.59	140.27	12.832	
16,500.00	12,563.02	16,515.23	12,550.02	72.05	71.24	90.38	3,992.00	3,717.72	1,799.88	1,656.65	143.23	12.566	
16,600.00	12,563.02	16,615.23	12,550.02	73.54	72.73	90.38	4,092.00	3,716.86	1,799.91	1,653.69	146.21	12.310	
16,700.00	12,563.01	16,715.23	12,550.01	75.04	74.22	90.38	4,192.00	3,716.00	1,799.94	1,650.73	149.21	12.063	
16,800.00	12,563.01	16,815.23	12,550.01	76.55	75.72	90.38	4,291.99	3,715.14	1,799.96	1,647.74	152.22	11.825	
16,900.00	12,563.01	16,915.23	12,550.01	78.06	77.23	90.38	4,391.99	3,714.27	1,799.99	1,644.75	155.24	11.595	
17,000.00	12,563.01	17,015.23	12,550.01	79.58	78.75	90.38	4,491.99	3,713.41	1,800.02	1,641.74	158.28	11.373	
17,100.00	12,563.00	17,115.23	12,550.00	81.10	80.27	90.38	4,591.98	3,712.55	1,800.04	1,638.72	161.32	11.158	
17,200.00	12,563.00	17,215.23	12,550.00	82.63	81.79	90.38	4,691.98	3,711.69	1,800.07	1,635.69	164.38	10.951	
17,281.54	12,563.00	17,296.76	12,550.00	83.86	83.04	90.38	4,773.51	3,710.99	1,800.09	1,633.22	166.88	10.787 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:	217H	**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	-90.55	0.00	30.00	1,968.09				
100.00	100.00	132.00	132.00	0.13	0.24	-90.55	0.00	30.00	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	30.00	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	30.00	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	30.00	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	30.00	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	30.00	1,968.09	1,964.14	3.95	497.754	
700.00	700.00	732.00	732.00	2.28	2.39	-90.55	0.00	30.00	1,968.09	1,963.42	4.67	421.353	
800.00	800.00	832.00	832.00	2.64	2.75	-90.55	0.00	30.00	1,968.09	1,962.70	5.39	365.285	
900.00	900.00	932.00	932.00	3.00	3.11	-90.55	0.00	30.00	1,968.09	1,961.99	6.10	322.386	
1,000.00	1,000.00	1,032.00	1,032.00	3.35	3.47	-90.55	0.00	30.00	1,968.09	1,961.27	6.82	288.504	
1,100.00	1,100.00	1,132.00	1,132.00	3.71	3.83	-90.55	0.00	30.00	1,968.09	1,960.55	7.54	261.067	
1,200.00	1,200.00	1,232.00	1,232.00	4.07	4.19	-90.55	0.00	30.00	1,968.09	1,959.84	8.26	238.395	
1,300.00	1,300.00	1,332.00	1,332.00	4.43	4.54	-90.55	0.00	30.00	1,968.09	1,959.12	8.97	219.346	
1,400.00	1,400.00	1,432.00	1,432.00	4.79	4.90	-90.55	0.00	30.00	1,968.09	1,958.40	9.69	203.116	
1,500.00	1,500.00	1,532.00	1,532.00	5.15	5.26	-90.55	0.00	30.00	1,968.09	1,957.69	10.41	189.123	
1,600.00	1,600.00	1,632.00	1,632.00	5.50	5.62	-90.55	0.00	30.00	1,968.09	1,956.97	11.12	176.933	
1,700.00	1,700.00	1,732.00	1,732.00	5.86	5.98	-90.55	0.00	30.00	1,968.09	1,956.25	11.84	166.220	
1,800.00	1,800.00	1,832.00	1,832.00	6.22	6.34	-90.55	0.00	30.00	1,968.09	1,955.53	12.56	156.729	
1,900.00	1,900.00	1,932.00	1,932.00	6.58	6.69	-90.55	0.00	30.00	1,968.09	1,954.82	13.27	148.264	
2,000.00	2,000.00	2,032.00	2,032.00	6.94	7.05	-90.55	0.00	30.00	1,968.09	1,954.10	13.99	140.667	
2,100.00	2,100.00	2,132.00	2,132.00	7.30	7.41	-90.55	0.00	30.00	1,968.09	1,953.38	14.71	133.810	
2,200.00	2,200.00	2,232.00	2,232.00	7.66	7.77	-90.55	0.00	30.00	1,968.09	1,952.67	15.43	127.591	
2,300.00	2,300.00	2,332.00	2,332.00	8.01	8.13	-90.55	0.00	30.00	1,968.09	1,951.95	16.14	121.924	
2,400.00	2,400.00	2,432.00	2,432.00	8.37	8.49	-90.55	0.00	30.00	1,968.09	1,951.23	16.86	116.739	
2,500.00	2,500.00	2,532.00	2,532.00	8.73	8.85	-90.55	0.00	30.00	1,968.09	1,950.52	17.58	111.977	
2,600.00	2,600.00	2,632.00	2,632.00	9.09	9.20	-90.55	0.00	30.00	1,968.09	1,949.80	18.29	107.588	
2,700.00	2,700.00	2,732.00	2,732.00	9.45	9.56	-90.55	0.00	30.00	1,968.09	1,949.08	19.01	103.531	
2,800.00	2,800.00	2,832.00	2,832.00	9.81	9.92	-90.55	0.00	30.00	1,968.09	1,948.37	19.73	99.768	
2,900.00	2,900.00	2,932.00	2,932.00	10.16	10.28	-90.55	0.00	30.00	1,968.09	1,947.65	20.44	96.269	
3,000.00	3,000.00	3,032.00	3,032.00	10.52	10.64	-90.55	0.00	30.00	1,968.09	1,946.93	21.16	93.007	
3,100.00	3,100.00	3,132.00	3,132.00	10.88	11.00	-90.55	0.00	30.00	1,968.09	1,946.21	21.88	89.960	
3,200.00	3,200.00	3,232.00	3,232.00	11.24	11.35	-90.55	0.00	30.00	1,968.09	1,945.50	22.59	87.105	
3,300.00	3,300.00	3,332.00	3,332.00	11.60	11.71	-90.55	0.00	30.00	1,968.09	1,944.78	23.31	84.426	
3,400.00	3,400.00	3,432.00	3,432.00	11.96	12.07	-90.55	0.00	30.00	1,968.09	1,944.06	24.03	81.907	
3,500.00	3,500.00	3,532.00	3,532.00	12.32	12.43	-90.55	0.00	30.00	1,968.09	1,943.35	24.75	79.534	
3,600.00	3,600.00	3,632.00	3,632.00	12.67	12.79	-90.55	0.00	30.00	1,968.09	1,942.63	25.46	77.295	
3,700.00	3,700.00	3,732.00	3,732.00	13.03	13.15	-90.55	0.00	30.00	1,968.09	1,941.91	26.18	75.178	
3,800.00	3,800.00	3,832.00	3,832.00	13.39	13.51	-90.55	0.00	30.00	1,968.09	1,941.20	26.90	73.174	
3,900.00	3,900.00	3,932.00	3,932.00	13.75	13.86	-90.55	0.00	30.00	1,968.09	1,940.48	27.61	71.274	
4,000.00	4,000.00	4,032.00	4,032.00	14.11	14.22	-90.55	0.00	30.00	1,968.09	1,939.76	28.33	69.470	
4,100.00	4,100.00	4,132.00	4,132.00	14.47	14.58	-90.55	0.00	30.00	1,968.09	1,939.04	29.05	67.756	
4,200.00	4,200.00	4,232.00	4,232.00	14.82	14.94	-90.55	0.00	30.00	1,968.09	1,938.33	29.76	66.123	
4,300.00	4,300.00	4,332.00	4,332.00	15.18	15.30	-90.55	0.00	30.00	1,968.09	1,937.61	30.48	64.568	
4,400.00	4,400.00	4,432.00	4,432.00	15.54	15.66	-90.55	0.00	30.00	1,968.09	1,936.89	31.20	63.084	
4,500.00	4,500.00	4,532.00	4,532.00	15.90	16.01	-90.55	0.00	30.00	1,968.09	1,936.18	31.91	61.667	
4,600.00	4,600.00	4,632.00	4,632.00	16.26	16.37	-90.55	0.00	30.00	1,968.09	1,935.46	32.63	60.312	
4,700.00	4,700.00	4,732.00	4,732.00	16.62	16.73	-90.55	0.00	30.00	1,968.09	1,934.74	33.35	59.016	
4,800.00	4,800.00	4,832.00	4,832.00	16.98	17.09	-90.55	0.00	30.00	1,968.09	1,934.03	34.07	57.774	
4,900.00	4,900.00	4,932.00	4,932.00	17.33	17.45	-90.55	0.00	30.00	1,968.09	1,933.31	34.78	56.583	
5,000.00	5,000.00	5,032.00	5,032.00	17.69	17.81	-90.55	0.00	30.00	1,968.09	1,932.59	35.50	55.440	
5,100.00	5,100.00	5,132.00	5,132.00	18.05	18.17	-90.55	0.00	30.00	1,968.09	1,931.88	36.22	54.343	

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:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12810-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,200.00	5,232.00	5,232.00	18.41	18.52	-90.55	0.00	30.00	1,968.09	1,931.16	36.93	53.288	
5,300.00	5,300.00	5,332.00	5,332.00	18.77	18.88	-90.55	0.00	30.00	1,968.09	1,930.44	37.65	52.273	
5,400.00	5,400.00	5,432.00	5,432.00	19.13	19.18	-90.55	0.00	30.00	1,968.09	1,929.78	38.31	51.373	
5,500.00	5,500.00	5,532.00	5,532.00	19.31	19.31	-90.55	0.00	30.00	1,968.09	1,929.48	38.61	50.967	
5,600.00	5,600.00	5,632.00	5,632.00	19.31	19.32	-90.55	0.00	30.00	1,968.09	1,929.46	38.63	50.947	
5,700.00	5,700.00	5,742.26	5,742.26	19.33	19.33	-90.56	-0.21	30.11	1,968.01	1,929.35	38.66	50.905	
5,800.00	5,800.00	5,874.20	5,874.14	19.35	19.36	-90.66	-3.48	31.91	1,966.68	1,927.97	38.70	50.815	
5,900.00	5,899.99	6,005.82	6,005.49	19.37	19.40	77.92	-10.74	35.87	1,963.46	1,924.70	38.75	50.665	
6,000.00	5,999.91	6,112.24	6,111.52	19.40	19.45	77.87	-18.79	40.27	1,958.59	1,919.77	38.82	50.449	
6,100.00	6,099.69	6,212.08	6,210.98	19.44	19.50	77.91	-26.42	44.44	1,953.15	1,914.24	38.91	50.198	
6,133.33	6,132.91	6,245.36	6,244.13	19.45	19.51	77.94	-28.97	45.84	1,951.21	1,912.27	38.94	50.107	
6,200.00	6,199.32	6,311.90	6,310.42	19.48	19.55	77.96	-34.06	48.62	1,947.28	1,908.27	39.01	49.919	
6,300.00	6,298.94	6,411.73	6,409.86	19.54	19.61	77.98	-41.69	52.79	1,941.38	1,902.26	39.12	49.622	
6,400.00	6,398.56	6,511.55	6,509.31	19.60	19.68	78.01	-49.33	56.96	1,935.48	1,896.23	39.25	49.308	
6,500.00	6,498.18	6,611.37	6,608.75	19.67	19.76	78.03	-56.96	61.14	1,929.58	1,890.19	39.40	48.978	
6,600.00	6,597.80	6,711.19	6,708.19	19.74	19.85	78.06	-64.59	65.31	1,923.69	1,884.13	39.56	48.633	
6,700.00	6,697.42	6,811.02	6,807.64	19.82	19.94	78.08	-72.23	69.48	1,917.79	1,878.06	39.73	48.273	
6,800.00	6,797.04	6,910.84	6,907.08	19.91	20.04	78.11	-79.86	73.66	1,911.89	1,871.98	39.91	47.900	
6,900.00	6,896.66	7,010.66	7,006.52	20.01	20.14	78.13	-87.49	77.83	1,905.99	1,865.88	40.11	47.514	
7,000.00	6,996.28	7,110.49	7,105.96	20.11	20.26	78.16	-95.13	82.00	1,900.10	1,859.77	40.33	47.116	
7,100.00	7,095.90	7,210.31	7,205.41	20.22	20.37	78.18	-102.76	86.18	1,894.20	1,853.64	40.56	46.706	
7,200.00	7,195.52	7,310.13	7,304.85	20.34	20.50	78.21	-110.40	90.35	1,888.30	1,847.51	40.80	46.287	
7,300.00	7,295.14	7,409.95	7,404.29	20.46	20.63	78.23	-118.03	94.52	1,882.41	1,841.36	41.05	45.857	
7,400.00	7,394.76	7,509.78	7,503.73	20.59	20.77	78.26	-125.66	98.70	1,876.51	1,835.20	41.32	45.420	
7,500.00	7,494.38	7,609.60	7,603.18	20.73	20.92	78.28	-133.30	102.87	1,870.62	1,829.02	41.59	44.974	
7,600.00	7,594.00	7,709.42	7,702.62	20.87	21.07	78.31	-140.93	107.04	1,864.72	1,822.84	41.88	44.521	
7,700.00	7,693.62	7,809.24	7,802.06	21.02	21.22	78.34	-148.57	111.22	1,858.83	1,816.64	42.19	44.062	
7,800.00	7,793.24	7,909.07	7,901.50	21.18	21.39	78.36	-156.20	115.39	1,852.94	1,810.43	42.50	43.598	
7,900.00	7,892.85	8,008.89	8,000.95	21.34	21.55	78.39	-163.83	119.56	1,847.04	1,804.22	42.83	43.129	
8,000.00	7,992.47	8,108.71	8,100.39	21.50	21.73	78.42	-171.47	123.74	1,841.15	1,797.99	43.16	42.656	
8,100.00	8,092.09	8,208.53	8,199.83	21.68	21.91	78.44	-179.10	127.91	1,835.26	1,791.75	43.51	42.180	
8,200.00	8,191.71	8,308.36	8,299.28	21.85	22.09	78.47	-186.74	132.08	1,829.36	1,785.50	43.87	41.701	
8,300.00	8,291.33	8,408.18	8,398.72	22.04	22.28	78.50	-194.37	136.26	1,823.47	1,779.24	44.24	41.220	
8,400.00	8,390.95	8,508.00	8,498.16	22.23	22.47	78.52	-202.00	140.43	1,817.58	1,772.97	44.62	40.738	
8,432.50	8,423.33	8,540.44	8,530.48	22.29	22.54	78.53	-204.48	141.78	1,815.67	1,770.93	44.74	40.581	
8,500.00	8,490.62	8,607.83	8,597.61	22.42	22.67	78.48	-209.64	144.60	1,811.81	1,766.81	45.00	40.260	
8,600.00	8,590.46	8,695.63	8,685.11	22.61	22.85	78.36	-216.02	148.09	1,806.75	1,761.38	45.37	39.819	
8,700.00	8,690.41	8,777.27	8,766.58	22.80	23.02	78.24	-220.50	150.54	1,803.18	1,757.45	45.73	39.430	
8,765.83	8,756.24	8,831.06	8,820.32	22.91	23.12	-90.53	-222.61	151.69	1,801.67	1,755.71	45.96	39.203	
8,800.00	8,790.41	8,859.00	8,848.24	22.97	23.18	-90.56	-223.45	152.15	1,801.12	1,755.05	46.07	39.094	
8,900.00	8,890.41	8,940.82	8,930.05	23.14	23.33	-90.60	-224.86	152.93	1,800.19	1,753.79	46.40	38.796	
8,957.56	8,947.97	9,009.26	8,979.97	23.24	23.46	-90.60	-225.00	153.00	1,800.10	1,753.47	46.63	38.607	
9,000.00	8,990.41	9,033.18	9,022.41	23.32	23.50	-90.60	-225.00	153.00	1,800.10	1,753.36	46.74	38.510	
9,100.00	9,090.41	9,133.18	9,122.41	23.50	23.68	-90.60	-225.00	153.00	1,800.10	1,753.00	47.10	38.216	
9,200.00	9,190.41	9,233.18	9,222.41	23.68	23.87	-90.60	-225.00	153.00	1,800.10	1,752.63	47.47	37.920	
9,300.00	9,290.41	9,333.18	9,322.41	23.87	24.05	-90.60	-225.00	153.00	1,800.10	1,752.25	47.85	37.622	
9,400.00	9,390.41	9,433.18	9,422.41	24.06	24.24	-90.60	-225.00	153.00	1,800.10	1,751.87	48.23	37.323	
9,500.00	9,490.41	9,533.18	9,522.41	24.26	24.44	-90.60	-225.00	153.00	1,800.10	1,751.48	48.62	37.023	
9,600.00	9,590.41	9,633.18	9,622.41	24.45	24.64	-90.60	-225.00	153.00	1,800.10	1,751.08	49.02	36.722	
9,700.00	9,690.41	9,733.18	9,722.41	24.66	24.84	-90.60	-225.00	153.00	1,800.10	1,750.67	49.43	36.420	
9,800.00	9,790.41	9,833.18	9,822.41	24.86	25.05	-90.60	-225.00	153.00	1,800.10	1,750.26	49.84	36.119	
9,900.00	9,890.41	9,933.18	9,922.41	25.07	25.26	-90.60	-225.00	153.00	1,800.10	1,749.84	50.26	35.817	

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:	217H	**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
10,000.00	9,990.41	10,033.18	10,022.41	25.29	25.47	-90.60	-225.00	153.00	1,800.10	1,749.42	50.68	35.516	
10,100.00	10,090.41	10,133.18	10,122.41	25.50	25.69	-90.60	-225.00	153.00	1,800.10	1,748.98	51.12	35.215	
10,200.00	10,190.41	10,233.18	10,222.41	25.72	25.91	-90.60	-225.00	153.00	1,800.10	1,748.54	51.56	34.915	
10,300.00	10,290.41	10,333.18	10,322.41	25.95	26.13	-90.60	-225.00	153.00	1,800.10	1,748.10	52.00	34.616	
10,400.00	10,390.41	10,433.18	10,422.41	26.17	26.35	-90.60	-225.00	153.00	1,800.10	1,747.65	52.45	34.319	
10,500.00	10,490.41	10,533.18	10,522.41	26.40	26.58	-90.60	-225.00	153.00	1,800.10	1,747.19	52.91	34.022	
10,600.00	10,590.41	10,633.18	10,622.41	26.63	26.81	-90.60	-225.00	153.00	1,800.10	1,746.73	53.37	33.727	
10,700.00	10,690.41	10,733.18	10,722.41	26.87	27.05	-90.60	-225.00	153.00	1,800.10	1,746.26	53.84	33.434	
10,800.00	10,790.41	10,833.18	10,822.41	27.10	27.28	-90.60	-225.00	153.00	1,800.10	1,745.79	54.31	33.142	
10,900.00	10,890.41	10,933.18	10,922.41	27.34	27.52	-90.60	-225.00	153.00	1,800.10	1,745.31	54.79	32.852	
11,000.00	10,990.41	11,033.18	11,022.41	27.58	27.77	-90.60	-225.00	153.00	1,800.10	1,744.82	55.28	32.564	
11,100.00	11,090.41	11,133.18	11,122.41	27.83	28.01	-90.60	-225.00	153.00	1,800.10	1,744.33	55.77	32.279	
11,200.00	11,190.41	11,233.18	11,222.41	28.08	28.26	-90.60	-225.00	153.00	1,800.10	1,743.84	56.26	31.995	
11,300.00	11,290.41	11,333.18	11,322.41	28.33	28.51	-90.60	-225.00	153.00	1,800.10	1,743.34	56.76	31.714	
11,400.00	11,390.41	11,433.18	11,422.41	28.58	28.76	-90.60	-225.00	153.00	1,800.10	1,742.84	57.26	31.435	
11,500.00	11,490.41	11,533.18	11,522.41	28.83	29.01	-90.60	-225.00	153.00	1,800.10	1,742.33	57.77	31.159	
11,600.00	11,590.41	11,633.18	11,622.41	29.09	29.27	-90.60	-225.00	153.00	1,800.10	1,741.82	58.28	30.885	
11,700.00	11,690.41	11,733.18	11,722.41	29.35	29.53	-90.60	-225.00	153.00	1,800.10	1,741.30	58.80	30.613	
11,800.00	11,790.41	11,833.18	11,822.41	29.61	29.79	-90.60	-225.00	153.00	1,800.10	1,740.78	59.32	30.345	
11,900.00	11,890.41	11,933.18	11,922.41	29.87	30.05	-90.60	-225.00	153.00	1,800.10	1,740.25	59.85	30.078	
11,989.60	11,980.00	12,022.97	12,012.20	30.11	30.28	-90.60	-224.87	153.00	1,800.10	1,739.78	60.32	29.842	
12,000.00	11,990.40	12,033.55	12,022.77	30.13	30.31	-90.29	-224.55	153.00	1,800.10	1,739.72	60.38	29.815	
12,050.00	12,040.29	12,084.31	12,073.33	30.26	30.44	-90.26	-220.29	152.98	1,800.09	1,739.46	60.63	29.689	
12,100.00	12,089.72	12,134.96	12,123.22	30.38	30.56	-90.22	-211.59	152.93	1,800.09	1,739.21	60.87	29.571	
12,150.00	12,138.32	12,185.50	12,172.03	30.50	30.68	-90.18	-198.56	152.86	1,800.08	1,738.98	61.10	29.460	
12,200.00	12,185.71	12,235.93	12,219.41	30.61	30.78	-90.14	-181.33	152.77	1,800.08	1,738.76	61.32	29.356	
12,250.00	12,231.53	12,286.25	12,264.98	30.71	30.88	-90.10	-160.04	152.66	1,800.08	1,738.55	61.53	29.257	
12,300.00	12,275.44	12,336.45	12,308.42	30.81	30.98	-90.06	-134.91	152.53	1,800.08	1,738.35	61.72	29.164	
12,350.00	12,317.10	12,386.53	12,349.39	30.90	31.07	-90.02	-106.14	152.38	1,800.07	1,738.16	61.92	29.073	
12,367.79	12,331.32	12,404.32	12,363.32	30.94	31.10	-90.00	-95.08	152.32	1,800.07	1,738.09	61.98	29.041 CC	
12,400.00	12,356.20	12,436.49	12,387.62	31.00	31.15	-89.97	-73.99	152.21	1,800.08	1,737.97	62.11	28.984	
12,450.00	12,392.43	12,486.34	12,422.81	31.09	31.24	-89.93	-38.71	152.02	1,800.08	1,737.78	62.30	28.894	
12,500.00	12,425.53	12,536.08	12,454.74	31.19	31.33	-89.89	-0.60	151.83	1,800.08	1,737.58	62.50	28.802	
12,550.00	12,455.23	12,585.70	12,483.19	31.29	31.42	-89.85	40.05	151.61	1,800.08	1,737.37	62.71	28.706	
12,600.00	12,481.32	12,635.22	12,507.96	31.40	31.53	-89.81	82.90	151.39	1,800.08	1,737.15	62.93	28.604	
12,650.00	12,503.59	12,684.63	12,528.91	31.52	31.65	-89.77	127.64	151.15	1,800.09	1,736.92	63.17	28.496	
12,700.00	12,521.87	12,733.95	12,545.89	31.65	31.77	-89.73	173.92	150.91	1,800.09	1,736.67	63.43	28.381	
12,750.00	12,536.04	12,783.17	12,558.81	31.79	31.91	-89.70	221.40	150.66	1,800.10	1,736.40	63.70	28.258	
12,789.60	12,544.25	12,822.29	12,566.25	31.91	37.04	-89.68	259.80	150.46	1,800.10	1,736.19	63.91	28.165	
12,800.00	12,546.06	12,832.69	12,568.06	36.93	37.04	-89.68	270.04	150.41	1,800.10	1,736.15	63.96	28.146	
12,814.60	12,548.59	12,846.74	12,570.44	36.94	37.05	-89.67	283.89	150.33	1,800.11	1,736.10	64.01	28.124	
12,850.00	12,554.10	12,880.44	12,575.32	36.95	37.07	-89.66	317.23	150.14	1,800.12	1,735.97	64.15	28.052	
12,900.00	12,559.65	12,928.02	12,580.20	36.98	37.09	-89.64	364.55	149.82	1,800.13	1,735.75	64.38	27.962	
12,950.00	12,562.59	12,975.58	12,582.73	37.00	37.12	-89.62	412.05	149.45	1,800.13	1,735.49	64.65	27.845	
12,981.32	12,563.11	13,005.52	12,583.11	37.02	37.13	-89.62	441.98	149.19	1,800.14	1,735.30	64.84	27.764	
13,000.00	12,563.10	13,024.20	12,583.10	37.03	37.14	-89.62	460.66	149.03	1,800.14	1,735.17	64.97	27.709	
13,100.00	12,563.10	13,124.20	12,583.10	37.08	37.20	-89.62	560.65	148.14	1,800.14	1,734.41	65.72	27.389	
13,200.00	12,563.10	13,224.20	12,583.10	37.13	37.25	-89.62	660.65	147.25	1,800.13	1,733.50	66.64	27.014	
13,300.00	12,563.10	13,324.20	12,583.10	37.19	37.31	-89.62	760.64	146.36	1,800.13	1,732.43	67.70	26.589	
13,400.00	12,563.10	13,424.20	12,583.10	37.24	37.37	-89.62	860.64	145.48	1,800.13	1,731.22	68.91	26.123	
13,500.00	12,563.09	13,524.20	12,583.09	37.30	37.44	-89.62	960.64	144.59	1,800.13	1,729.88	70.25	25.623	
13,600.00	12,563.09	13,624.20	12,583.09	37.37	37.52	-89.62	1,060.63	143.70	1,800.13	1,728.40	71.73	25.097	

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:	217H	**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
13,700.00	12,563.09	13,724.20	12,583.09	37.44	37.64	-89.62	1,160.63	142.81	1,800.13	1,726.81	73.32	24.552	
13,800.00	12,563.09	13,824.20	12,583.09	37.62	37.94	-89.62	1,260.62	141.93	1,800.13	1,725.10	75.03	23.993	
13,900.00	12,563.08	13,924.20	12,583.08	38.40	38.62	-89.62	1,360.62	141.04	1,800.13	1,723.29	76.84	23.428	
14,000.00	12,563.08	14,024.20	12,583.08	39.34	39.52	-89.62	1,460.62	140.15	1,800.12	1,721.38	78.75	22.859	
14,100.00	12,563.08	14,124.20	12,583.08	40.34	40.50	-89.62	1,560.61	139.26	1,800.12	1,719.37	80.75	22.293	
14,200.00	12,563.08	14,224.20	12,583.08	41.38	41.53	-89.62	1,660.61	138.38	1,800.12	1,717.29	82.84	21.731	
14,300.00	12,563.07	14,324.20	12,583.07	42.46	42.60	-89.62	1,760.61	137.49	1,800.12	1,715.12	85.00	21.178	
14,400.00	12,563.07	14,424.20	12,583.07	43.58	43.71	-89.62	1,860.60	136.60	1,800.12	1,712.88	87.24	20.635	
14,500.00	12,563.07	14,524.20	12,583.07	44.73	44.86	-89.62	1,960.60	135.71	1,800.12	1,710.58	89.54	20.104	
14,600.00	12,563.07	14,624.20	12,583.07	45.91	46.04	-89.62	2,060.59	134.83	1,800.12	1,708.21	91.91	19.586	
14,700.00	12,563.06	14,724.20	12,583.06	47.12	47.25	-89.62	2,160.59	133.94	1,800.12	1,705.79	94.33	19.083	
14,800.00	12,563.06	14,824.20	12,583.06	48.36	48.49	-89.62	2,260.59	133.05	1,800.11	1,703.31	96.81	18.595	
14,900.00	12,563.06	14,924.20	12,583.06	49.62	49.75	-89.62	2,360.58	132.16	1,800.11	1,700.78	99.33	18.122	
15,000.00	12,563.06	15,024.20	12,583.06	50.91	51.03	-89.62	2,460.58	131.28	1,800.11	1,698.21	101.90	17.665	
15,100.00	12,563.05	15,124.20	12,583.05	52.21	52.34	-89.62	2,560.57	130.39	1,800.11	1,695.59	104.52	17.223	
15,200.00	12,563.05	15,224.20	12,583.05	53.54	53.66	-89.62	2,660.57	129.50	1,800.11	1,692.94	107.17	16.797	
15,300.00	12,563.05	15,324.20	12,583.05	54.88	55.00	-89.62	2,760.57	128.61	1,800.11	1,690.25	109.86	16.386	
15,400.00	12,563.05	15,424.20	12,583.05	56.25	56.36	-89.62	2,860.56	127.73	1,800.11	1,687.53	112.58	15.990	
15,500.00	12,563.04	15,524.20	12,583.04	57.62	57.74	-89.62	2,960.56	126.84	1,800.11	1,684.77	115.33	15.608	
15,600.00	12,563.04	15,624.20	12,583.04	59.01	59.13	-89.62	3,060.55	125.95	1,800.10	1,681.99	118.12	15.240	
15,700.00	12,563.04	15,724.20	12,583.04	60.42	60.53	-89.62	3,160.55	125.06	1,800.10	1,679.18	120.92	14.886	
15,800.00	12,563.04	15,824.20	12,583.04	61.84	61.95	-89.62	3,260.55	124.18	1,800.10	1,676.34	123.76	14.545	
15,900.00	12,563.03	15,924.20	12,583.03	63.27	63.38	-89.62	3,360.54	123.29	1,800.10	1,673.48	126.62	14.217	
16,000.00	12,563.03	16,024.20	12,583.03	64.71	64.82	-89.62	3,460.54	122.40	1,800.10	1,670.60	129.50	13.901	
16,100.00	12,563.03	16,124.20	12,583.03	66.16	66.27	-89.62	3,560.53	121.51	1,800.10	1,667.70	132.40	13.596	
16,200.00	12,563.03	16,224.20	12,583.03	67.62	67.73	-89.62	3,660.53	120.63	1,800.10	1,664.78	135.32	13.303	
16,300.00	12,563.02	16,324.20	12,583.02	69.08	69.20	-89.62	3,760.53	119.74	1,800.10	1,661.84	138.26	13.020	
16,400.00	12,563.02	16,424.20	12,583.02	70.56	70.67	-89.62	3,860.52	118.85	1,800.10	1,658.88	141.21	12.748	
16,500.00	12,563.02	16,524.20	12,583.02	72.05	72.16	-89.62	3,960.52	117.96	1,800.09	1,655.91	144.18	12.485	
16,600.00	12,563.02	16,624.20	12,583.02	73.54	73.65	-89.62	4,060.51	117.08	1,800.09	1,652.93	147.17	12.232	
16,700.00	12,563.01	16,724.20	12,583.01	75.04	75.15	-89.62	4,160.51	116.19	1,800.09	1,649.93	150.17	11.987	
16,800.00	12,563.01	16,824.20	12,583.01	76.55	76.65	-89.62	4,260.51	115.30	1,800.09	1,646.91	153.18	11.752	
16,900.00	12,563.01	16,924.20	12,583.01	78.06	78.17	-89.62	4,360.50	114.41	1,800.09	1,643.89	156.20	11.524	
17,000.00	12,563.01	17,024.20	12,583.01	79.58	79.68	-89.62	4,460.50	113.53	1,800.09	1,640.85	159.24	11.304	
17,100.00	12,563.00	17,124.20	12,583.00	81.10	81.21	-89.62	4,560.49	112.64	1,800.09	1,637.80	162.29	11.092	
17,200.00	12,563.00	17,224.20	12,583.00	82.63	82.74	-89.62	4,660.49	111.75	1,800.09	1,634.74	165.35	10.887	
17,281.54	12,563.00	17,305.74	12,583.00	83.88	83.99	-89.62	4,742.02	111.03	1,800.08	1,632.24	167.85	10.725	ES, SF

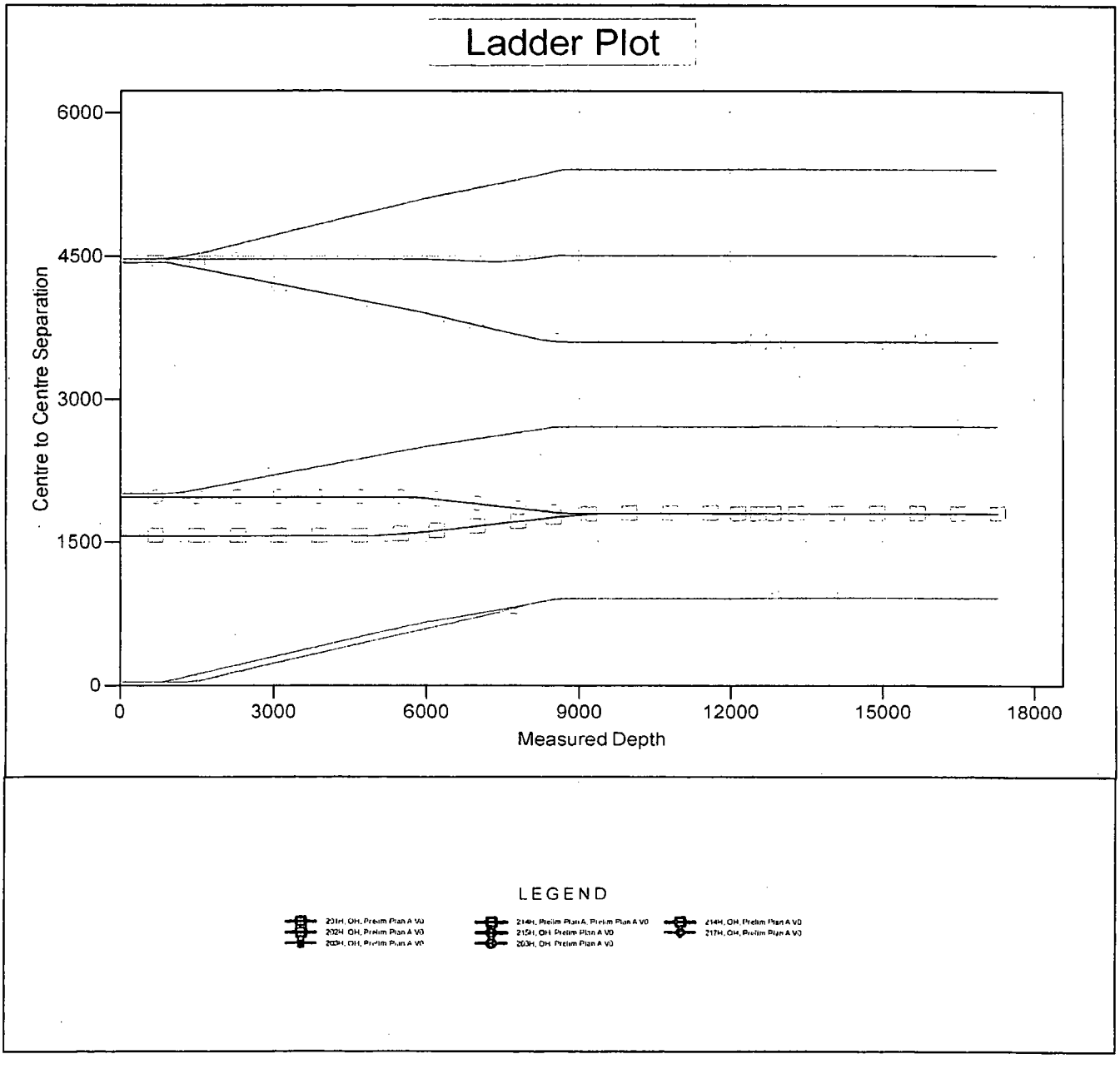
CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

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:	217H	**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:29	Coordinates are relative to: Leslie Fed Com
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.50°



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

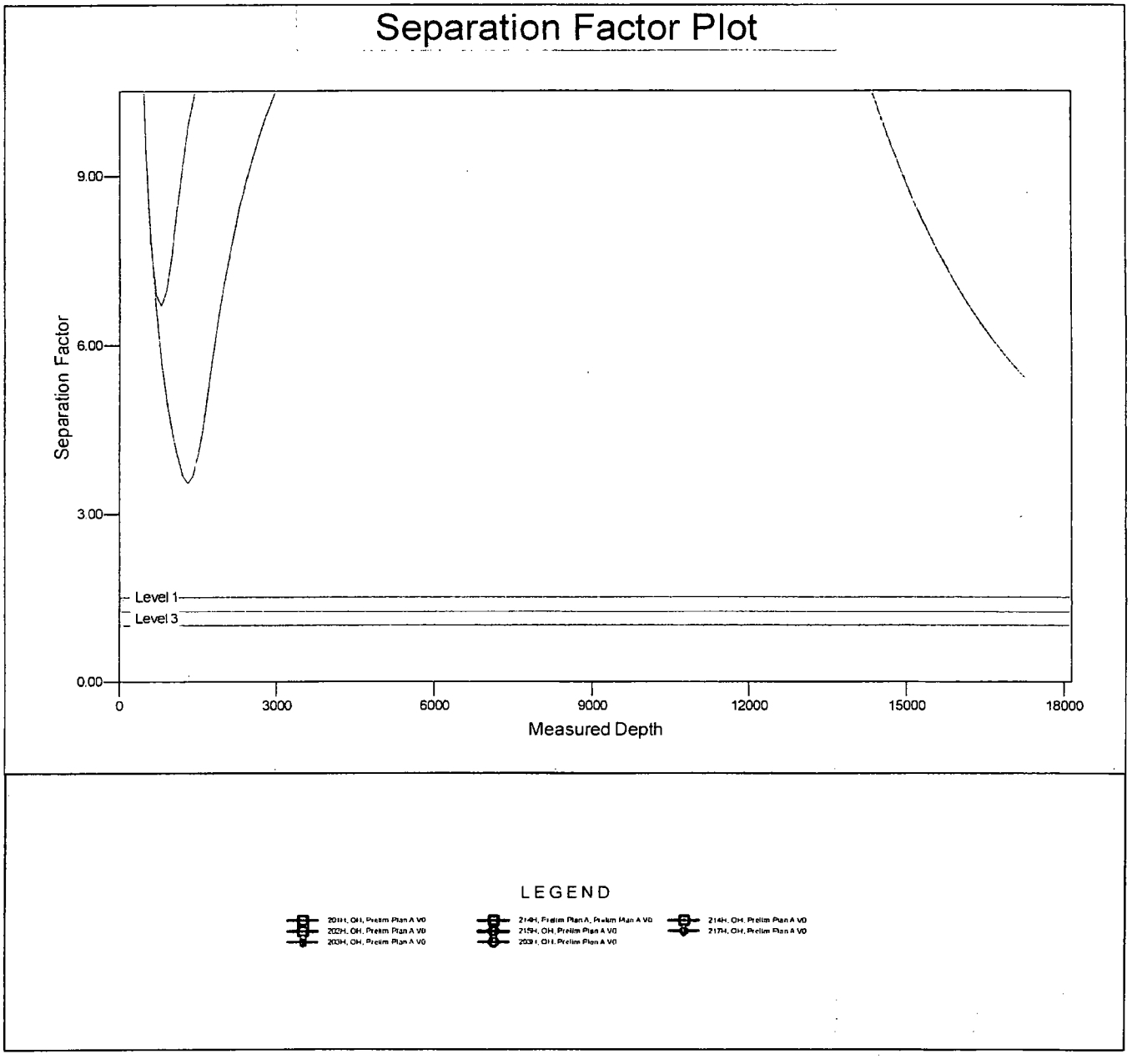
Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Leslie Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 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:	217H	**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:29	Coordinates are relative to: Leslie Fed Com
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.50°

Separation Factor Plot



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

TOP OF PAD ELEVATION:
3278.1717

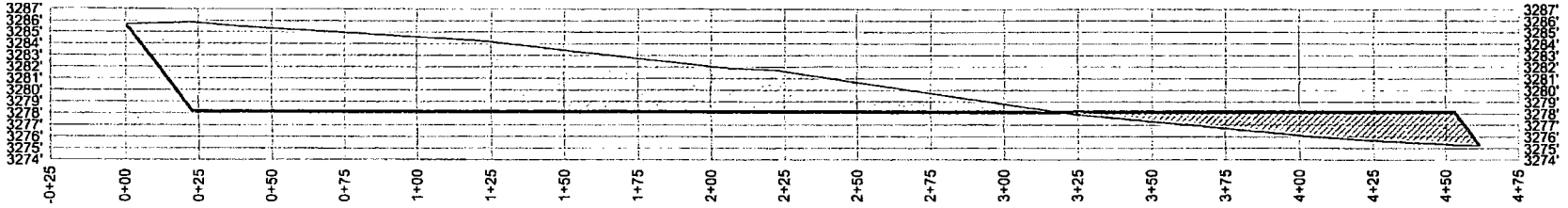
CUT SLOPE: 33.33% 3.00:1 18.43°
FILL SLOPE: 33.33% 3.00:1 18.43°
BALANCE TOLERANCE (C.Y.): 0.00
CUT SWELL FACTOR: 1.00
FILL SHRINK FACTOR: 1.00

PAD EARTHWORK VOLUMES
CUT : 243,216.8 C.F., 9,008.03 C.Y.
FILL: 243,216.8 C.F., 9,008.03 C.Y.
BALANCE IMPORT: 0.0 C.F., 0.00 C.Y.
AREA: 180277.2 SQ.FT., 4.139 ACRES

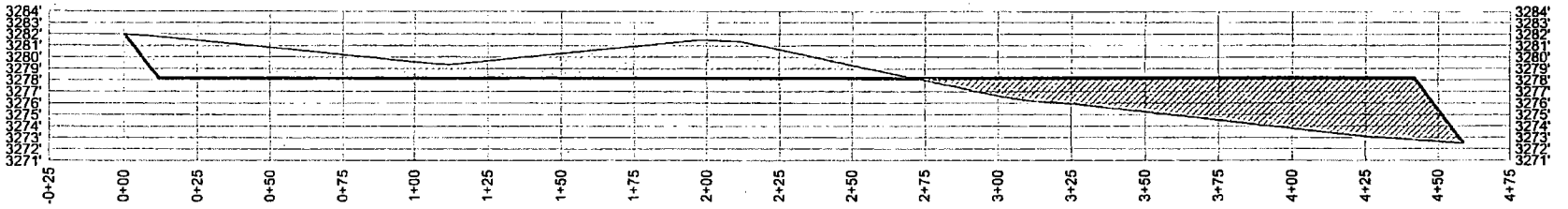
SECTION 17, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

Matador PRODUCTION COMPANY

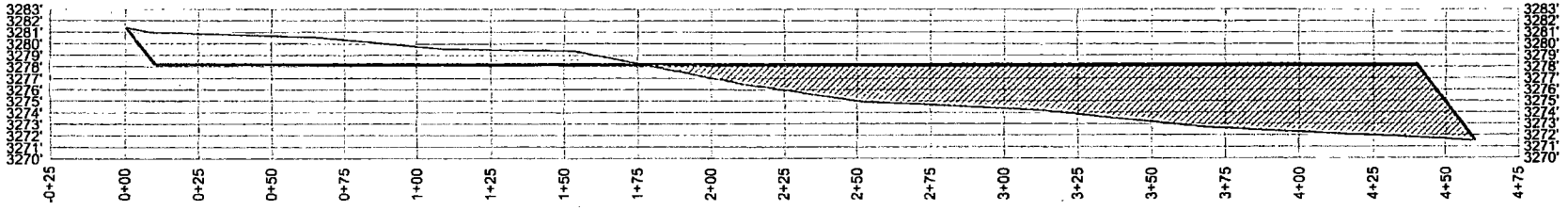
A-A'



B-B'



C-C'



Horizontal Scale = 1:60
Vertical Scale = 1:15

TOPOGRAPHIC
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1400 EVERMAN PARKWAY, Ste. 197 - FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 - FAX (817) 744-7548
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM

SURFACE PAD SITE PROFILE	REVISION: INT	DATE
DATE: 09/30/16		
FILE: CD_LESLIE_FED_COM_203H_SURFACE_PAD_SITE_PRO		
DRAWN BY: GLH		
SHEET : 2 OF 2		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MATADOR RESOURCE COMPANY. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.

MAP 9

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Michael Blake Brown, P.S. No. 18329
SEPTEMBER 15, 2016
Field note description of even date accompanies this plat.

S:\SURVEY\MATADOR_RESOURCES\LESLIE_FED_COM_203H_SURFACE_PAD_SITE\FINAL_PRODUCTS\CD_LESLIE_FED_COM_203H_SURFACE_PAD_SITE_PRO.DWG 10/3/2016 7:36:04 AM jstovall

August 27, 2017

To Who it May Concern:

Matador Production Company has a private surface owner agreement with the Dinwiddie Cattle Company LLC (PO Box 963, Capitan NM 88316) for the Leslie Fed Com 203H & 217H pad and road in SWSE Sec. 17 and NWNE Sec. 20, T. 25 S., R. 35 E., Lea County, NM. Their phone number is (575) 631-0385.

Brian Wood

Surface Use Plan

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

From the junction of NM 18 and NM 128 in Jal...
Go West 13.8 miles on NM 128 to the equivalent of Mile Post 38.7
Then turn left and go South 4.3 miles on a caliche road to a T-junction
Then turn left and go Southeast 1.0 mile on a caliche road
Then turn left and go NE and East 0.9 mile on a caliche road
Then turn left and go N 282.85' cross-country to the SE corner of the pad

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

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

Four surface poly pipelines on the north side of the caliche road will be padded or otherwise protected. An 18" x 50' culvert will be installed on the north side of the caliche road. The 282.85' of new road will be crowned and ditched, have a 14' wide driving surface, and be surfaced with caliche. Maximum disturbed width = 30'. Maximum grade = 1%. Maximum cut or fill = 2'. No cattle guard or vehicle turn out is needed. Upgrading will consist of patching potholes with caliche.

3. EXISTING WELLS (See MAP 3)

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

4. PROPOSED PRODUCTION FACILITIES

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

5. WATER SUPPLY (See MAP 2)

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

6. CONSTRUCTION MATERIALS & METHODS (See MAP 2)

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

7. WASTE DISPOSAL

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT (See MAPS 6 & 7)

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

10. RECLAMATION (See MAPS 8 & 9)

Interim reclamation will be completed within 6 months of completing the last well on the pad. Interim reclamation will consist of shrinking the pad ≈35% (1.28 acre) by removing caliche and reclaiming a 130' x 430' area on the north side of the pad. This will leave 2.37 acres for the production equipment (e. g., tank battery, heater-treaters, flare/CBU), pump jacks, and tractor-trailer turn around. Disturbed areas will be contoured to match pre-construction grades. Soil and brush will be evenly spread over disturbed areas and harrowed on the contour. Disturbed areas will be seeded in accordance with the surface owner's requirements.

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

30' x 282.85' road = 0.19 acre
+ 370' x 430' pad = 3.65 acres
3.84 acres short term
- 1.28 acre pad interim reclamation
2.56 acres long term

11. SURFACE OWNER

All construction will be on private surface. Surface owner is Dinwiddie Cattle Company LLC, P. O. Box 963, Capitan NM 88316. Their phone number is (575) 631-0385.

12. OTHER INFORMATION

On site inspection was held with Vance Wolf on November 30, 2016.

Lone Mountain will inspect and file an archaeology report.

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U. S. C. 1001 for the filing of false statements. Executed this 27th day of August, 2017.

Brian Wood, Consultant
Permits West, Inc.
37 Verano Loop, Santa Fe, NM 87508
(505) 466-8120 FAX: (505) 466-9682 Cellular: (505) 699-2276

Field representative will be:

Sam Pryor, Senior Staff Landman
Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas TX 75240
Phone: (972) 371-5241
FAX: (214) 866-4841

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? NO

Produced Water Disposal (PWD) Location:

PWD surface owner: **PWD disturbance (acres):**

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment: