PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
LEASE NO.:	NMNM136226
WELL NAME & NO.:	214H –LESLIE FED COM
SURFACE HOLE FOOTAGE:	390'/S & 524'/E
BOTTOM HOLE FOOTAGE	240'/N & 330'/E
LOCATION:	Section 17 T.25 S., R.35E., NMP
COUNTY:	LEA County, New Mexico

HOBBS OCD
JAN 03 2018
RECEIVED

COA

H2S	◉ Yes	○ No	
Potash	◉ None	○ Secretary	○ R-111-P
Cave/Karst Potential	◉ Low	○ Medium	○ High
Variance	○ None	◉ Flex Hose	○ Other
Wellhead	○ Conventional	◉ Multibowl	○ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP

A. Hydrogen Sulfide

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated 500 feet prior to drilling into the **Delaware** formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **1000** feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement).
    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

Approval Date: 12/21/2017

d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Operator shall fill 1/3rd casing with fluid while running intermediate casing to maintained collapse safety factor.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
   - Cement to surface. If cement does not circulate see B.1.a, c-d above.

3. The minimum required fill of cement behind the **7** inch 2nd intermediate casing is:
   - Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.**Additional cement maybe required. Excess calculates to -12%.**

4. The minimum required fill of cement behind the **4-1/2** inch production casing is:
   - Cement should tie-back 200ft into the previous casing. Operator shall provide method of verification. **Additional cement maybe required. Excess calculates to -58%.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **2000 (2M)** psi.

3. 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 **10,000 (10M)** psi.

GENERAL REQUIREMENTS

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

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

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
b. When the operator proposes to set surface casing with Spudder Rig
   - Notify the BLM when moving in and removing the Spudder Rig.
   - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
   - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive

strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

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

6. **On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.**

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. **If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:**
    a. **Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.**
    b. **If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.**
    c. **Manufacturer representative shall install the test plug for the initial BOP test.**
    d. **If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.**
    e. **Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.**

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

    a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

    b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).

    c. The tests shall be done by an independent service company utilizing a test plug. The results of the test shall be reported to the appropriate BLM office.

    d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. 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.

f. 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. This test shall be performed prior to the test at full stack pressure.

g. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Waste Minimization Plan (WMP)

In the interest of resource development, submission of additional well gas capture development plan information is deferred but may be required by the BLM Authorized Officer at a later date.

ZS 121617

PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

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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: 12/21/2017

I. GENERAL PROVISIONS

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

II. PERMIT EXPIRATION

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

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

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

IV. NOXIOUS WEEDS

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

V. SPECIAL REQUIREMENT(S)

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

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

Watershed/Water Quality:

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

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

Tank Battery:

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

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

VI. CONSTRUCTION

A. NOTIFICATION

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

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

B. TOPSOIL

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

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

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

D. FEDERAL MINERAL MATERIALS PIT

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

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

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

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. ON LEASE ACCESS ROADS

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

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

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

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

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

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

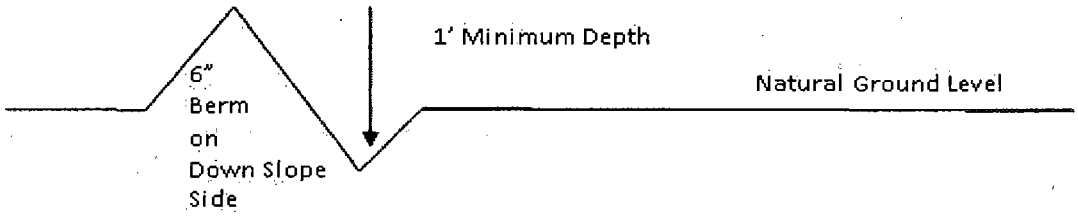
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

Cattle guards

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

Fence Requirement

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

Public Access

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

Construction Steps

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

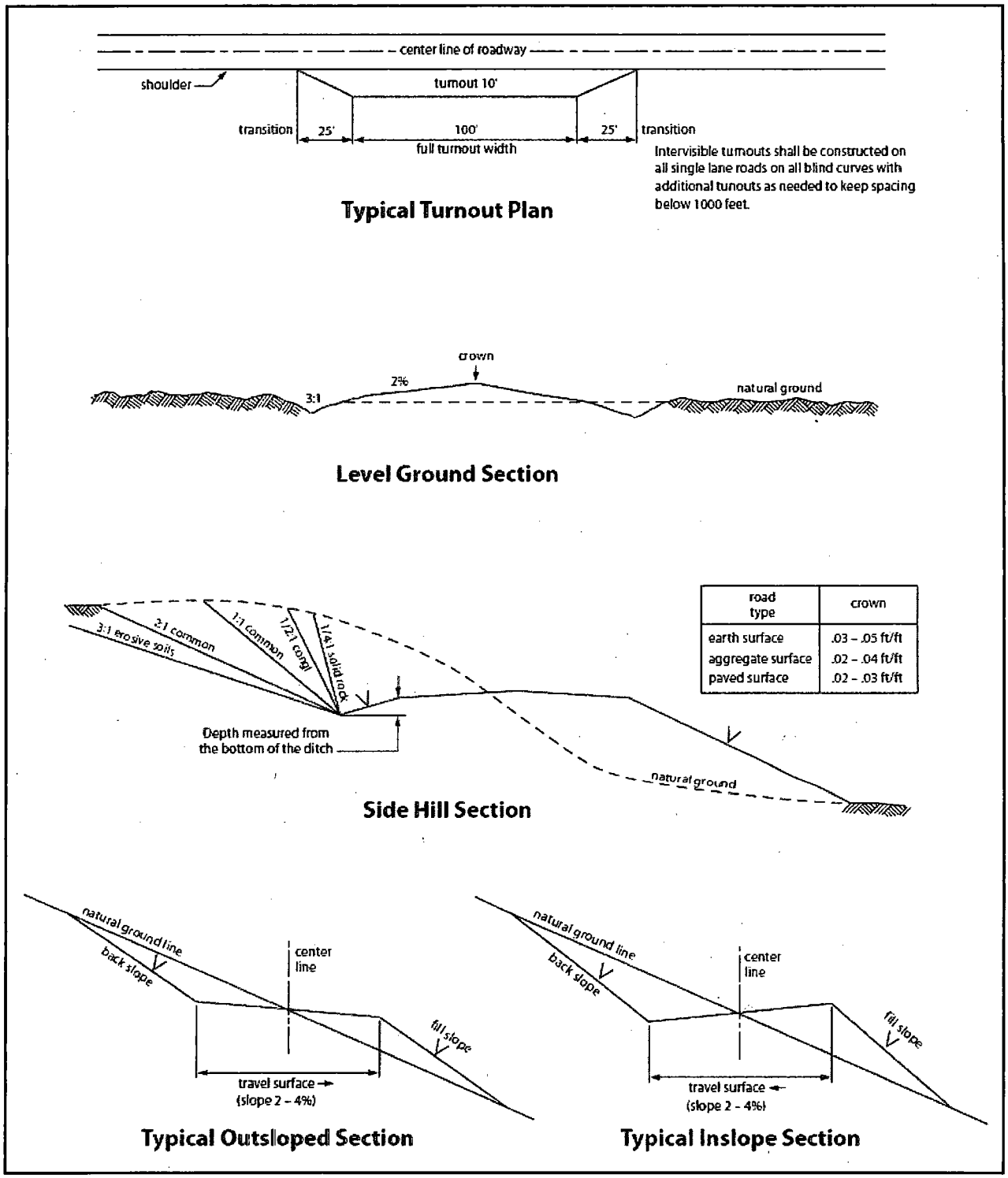


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

Containment Structures

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

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

VIII. INTERIM RECLAMATION

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

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

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

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

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

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

Seed Mixture for LPC Sand/Shinnery Sites

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

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

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

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

*Pounds of pure live seed:

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

Hydrogen Sulfide Drilling

Operations Plan

Matador Resources

1 H2S safety instructions to the following:

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

2 H2S Detection and Alarm Systems:

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

3 Windsocks and / Wind Streamers:

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

4 Condition Flags and Signs:

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

5 Well Control Equipment:

- See attachments

6 Communication:

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

7 Drilling Stem Testing:

- No DSTs or cores are planned at this time.

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

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

11 Emergency Contacts

- See following page

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

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

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

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

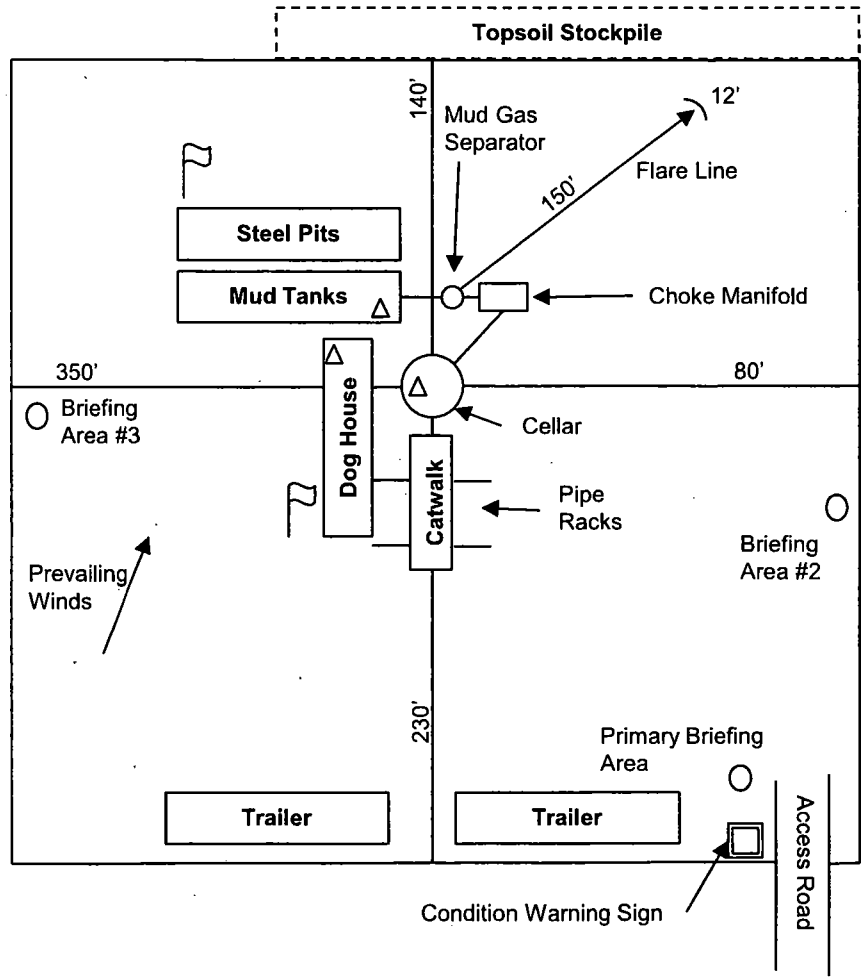
Rig Diagram

Exhibit E-3: Rig Diagram
Leslie Fed #214H
Matador Resources Company
17-25S-35E
SHL 390' FSL & 524' FEL
BHL 240' FNL & 330' FEL
Lea County, NM

Wind Direction Indicator

H2S Monitors

Briefing Areas



Matador Resources
Lea County, NM
Leslie Fed Com
214H
Prelim Plan A
GL: 3254' + KB: 29'

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

RKB Elevation: Rig @ 3283.00usft (GL: 3254' + KB: 29')

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
118.00	3558.00	410157.00	794439.00	32° 7' 26.636 N	103° 22' 56.100 W	

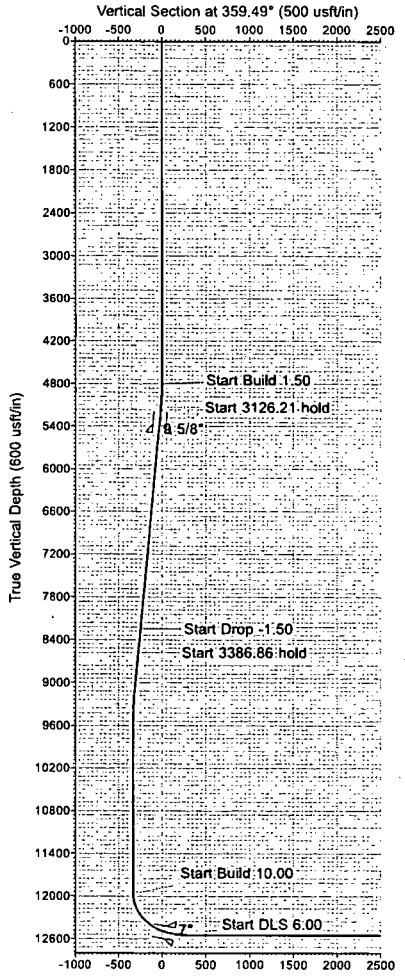
SECTION DETAILS- Lateral

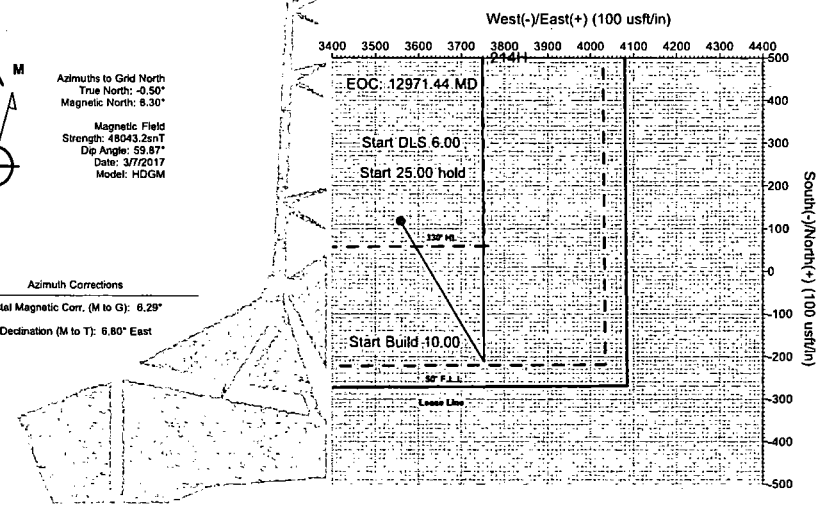
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	118.00	3558.00	0.00	0.00
2	4800.00	0.00	0.00	4800.00	118.00	3558.00	0.00	0.00
3	5133.33	5.00	149.42	5132.91	105.49	3565.39	1.50	-12.58
4	9197.75	5.00	149.42	9181.86	-199.49	3745.61	0.00	-319.14
5	9531.09	0.00	0.00	9514.78	-212.00	3753.00	1.50	-331.72
6	11983.31	0.00	0.00	11967.00	-212.00	3753.00	0.00	-331.72
7	12783.31	80.00	359.60	12531.25	261.45	3749.69	10.00	141.74
8	12808.31	80.00	359.60	12535.59	286.07	3749.52	0.00	166.36
9	12975.01	90.00	359.51	12550.10	451.92	3748.23	6.00	332.21
10	17295.25	90.00	359.51	12550.00	4772.00	3711.00	0.00	4652.45

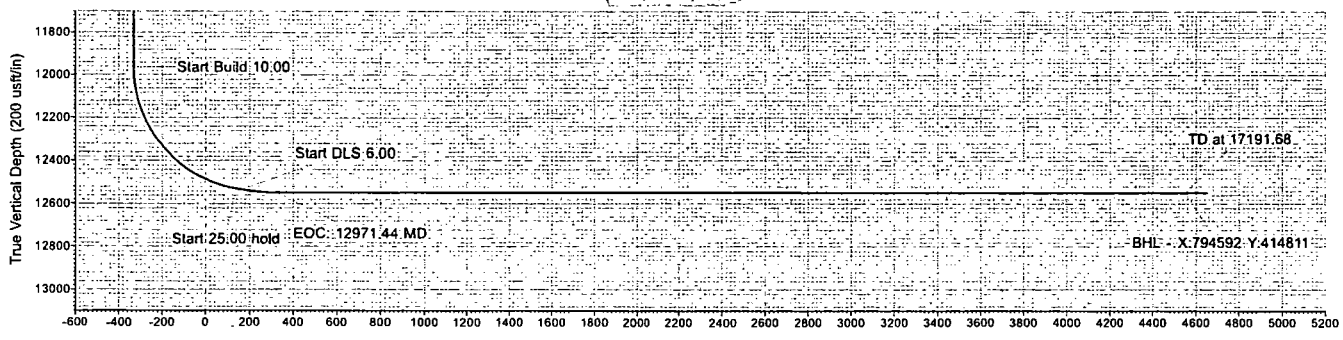
Azimuths to Grid North
True North: -0.50°
Magnetic North: 6.30°

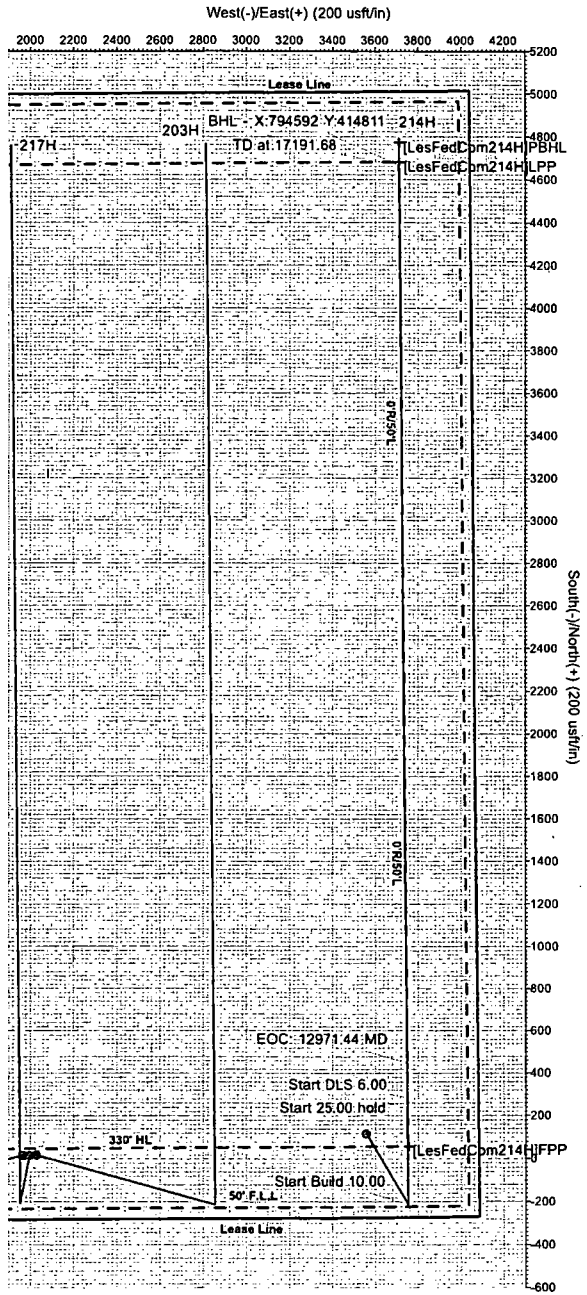
Magnetic Field
Strength: 48043.2snT
Dip Angle: 59.87°
Date: 3/7/2017
Model: HDGM

Azimuth Corrections
Total Magnetic Corr. (M to G): 6.29°
Declination (M to T): 6.80° East







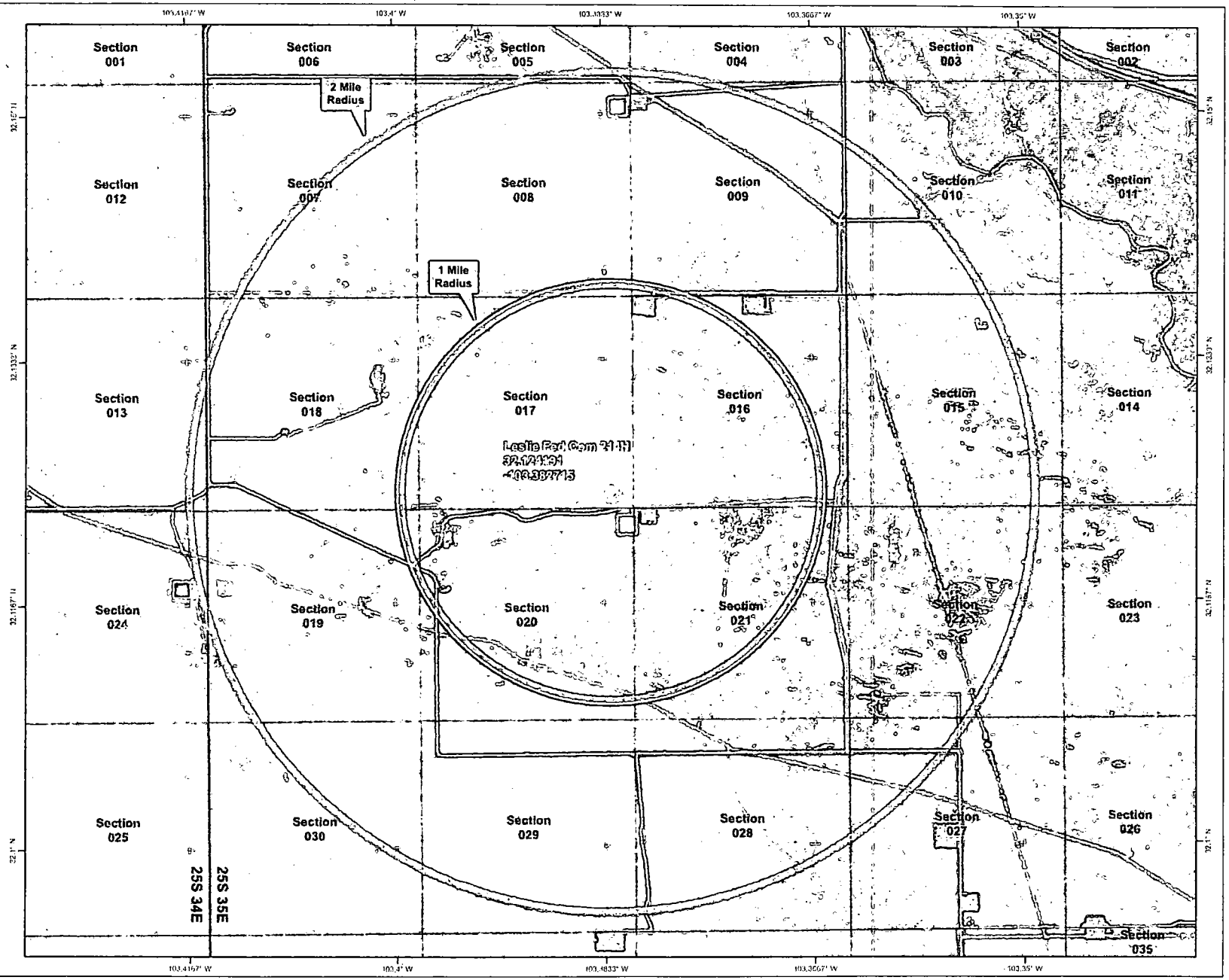


36" x 48"

Matador Production Company

Leslie Fed Com #214H
H_2S Contingency Plan:
2 Mile Radius Map

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



Surface Hole Location

1:27,000

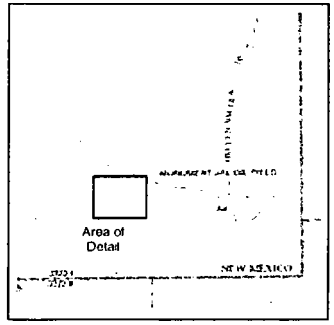
0 0.25 0.5 1

Miles

NAD 1983 New Mexico State Plane East
FIPS 3001 Feet

PERMITS WEST, Inc.

Prepared by Permits West, Inc., August 17, 2017
for Matador Production Company



Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**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 214H

Well Position	**+N/-S**	0.00 usft	**Northing:**	410,157.00 usft	**Latitude:**	32° 7' 26.636 N
	+E/-W	0.00 usft	**Easting:**	794,439.00 usft	**Longitude:**	103° 22' 56.100 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,254.00 usft

Wellbore Prelim Plan A

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/7/2017	6.80	59.87	48,043.20

Design Prelim Plan A

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	359.49

Survey Tool Program Date 3/8/2017

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,498.00	Prelim Plan A (Prelim Plan A)	MWD - OWSG	MWD - OWSG
5,498.00	12,779.00	Prelim Plan A (Prelim Plan A)	MWD - OWSG	MWD - OWSG
12,779.00	17,295.25	Prelim Plan A (Prelim Plan A)	MWD - OWSG	MWD - OWSG

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**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	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	1.50	149.42	4,899.99	-1.13	0.67	-1.13	1.50	1.50	0.00
5,000.00	3.00	149.42	4,999.91	-4.51	2.66	-4.53	1.50	1.50	0.00
5,100.00	4.50	149.42	5,099.69	-10.14	5.99	-10.19	1.50	1.50	0.00

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**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)
5,133.33	5.00	149.42	5,132.91	-12.51	7.39	-12.58	1.50	1.50	0.00
5,200.00	5.00	149.42	5,199.32	-17.52	10.35	-17.61	0.00	0.00	0.00
5,300.00	5.00	149.42	5,298.94	-25.02	14.78	-25.15	0.00	0.00	0.00
5,400.00	5.00	149.42	5,398.56	-32.52	19.22	-32.69	0.00	0.00	0.00
5,498.00	5.00	149.42	5,496.19	-39.88	23.56	-40.08	0.00	0.00	0.00
9 5/8"									
5,500.00	5.00	149.42	5,498.18	-40.03	23.65	-40.24	0.00	0.00	0.00
5,600.00	5.00	149.42	5,597.80	-47.53	28.09	-47.78	0.00	0.00	0.00
5,700.00	5.00	149.42	5,697.42	-55.03	32.52	-55.32	0.00	0.00	0.00
5,800.00	5.00	149.42	5,797.04	-62.54	36.95	-62.86	0.00	0.00	0.00
5,900.00	5.00	149.42	5,896.66	-70.04	41.39	-70.41	0.00	0.00	0.00
6,000.00	5.00	149.42	5,996.28	-77.54	45.82	-77.95	0.00	0.00	0.00
6,100.00	5.00	149.42	6,095.90	-85.05	50.26	-85.49	0.00	0.00	0.00
6,200.00	5.00	149.42	6,195.52	-92.55	54.69	-93.03	0.00	0.00	0.00
6,300.00	5.00	149.42	6,295.14	-100.05	59.12	-100.58	0.00	0.00	0.00
6,400.00	5.00	149.42	6,394.76	-107.56	63.56	-108.12	0.00	0.00	0.00
6,500.00	5.00	149.42	6,494.38	-115.06	67.99	-115.66	0.00	0.00	0.00
6,600.00	5.00	149.42	6,594.00	-122.56	72.42	-123.20	0.00	0.00	0.00
6,700.00	5.00	149.42	6,693.62	-130.07	76.86	-130.75	0.00	0.00	0.00
6,800.00	5.00	149.42	6,793.24	-137.57	81.29	-138.29	0.00	0.00	0.00
6,900.00	5.00	149.42	6,892.85	-145.08	85.73	-145.83	0.00	0.00	0.00
7,000.00	5.00	149.42	6,992.47	-152.58	90.16	-153.37	0.00	0.00	0.00
7,100.00	5.00	149.42	7,092.09	-160.08	94.59	-160.92	0.00	0.00	0.00
7,200.00	5.00	149.42	7,191.71	-167.59	99.03	-168.46	0.00	0.00	0.00
7,300.00	5.00	149.42	7,291.33	-175.09	103.46	-176.00	0.00	0.00	0.00
7,400.00	5.00	149.42	7,390.95	-182.59	107.90	-183.55	0.00	0.00	0.00
7,500.00	5.00	149.42	7,490.57	-190.10	112.33	-191.09	0.00	0.00	0.00
7,600.00	5.00	149.42	7,590.19	-197.60	116.76	-198.63	0.00	0.00	0.00
7,700.00	5.00	149.42	7,689.81	-205.10	121.20	-206.17	0.00	0.00	0.00
7,800.00	5.00	149.42	7,789.43	-212.61	125.63	-213.72	0.00	0.00	0.00
7,900.00	5.00	149.42	7,889.05	-220.11	130.06	-221.26	0.00	0.00	0.00
8,000.00	5.00	149.42	7,988.67	-227.61	134.50	-228.80	0.00	0.00	0.00
8,100.00	5.00	149.42	8,088.29	-235.12	138.93	-236.34	0.00	0.00	0.00
8,200.00	5.00	149.42	8,187.91	-242.62	143.37	-243.89	0.00	0.00	0.00
8,300.00	5.00	149.42	8,287.53	-250.12	147.80	-251.43	0.00	0.00	0.00
8,400.00	5.00	149.42	8,387.15	-257.63	152.23	-258.97	0.00	0.00	0.00
8,500.00	5.00	149.42	8,486.77	-265.13	156.67	-266.51	0.00	0.00	0.00
8,600.00	5.00	149.42	8,586.39	-272.63	161.10	-274.06	0.00	0.00	0.00
8,700.00	5.00	149.42	8,686.01	-280.14	165.54	-281.60	0.00	0.00	0.00
8,800.00	5.00	149.42	8,785.62	-287.64	169.97	-289.14	0.00	0.00	0.00
8,900.00	5.00	149.42	8,885.24	-295.14	174.40	-296.69	0.00	0.00	0.00
9,000.00	5.00	149.42	8,984.86	-302.65	178.84	-304.23	0.00	0.00	0.00
9,100.00	5.00	149.42	9,084.48	-310.15	183.27	-311.77	0.00	0.00	0.00
9,197.75	5.00	149.42	9,181.86	-317.49	187.61	-319.14	0.00	0.00	0.00

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,200.00	4.97	149.42	9,184.10	-317.65	187.70	-319.31	1.50	-1.50	0.00
9,300.00	3.47	149.42	9,283.83	-323.98	191.44	-325.68	1.50	-1.50	0.00
9,400.00	1.97	149.42	9,383.71	-328.06	193.86	-329.78	1.50	-1.50	0.00
9,500.00	0.47	149.42	9,483.69	-329.89	194.94	-331.61	1.50	-1.50	0.00
9,531.09	0.00	0.00	9,514.78	-330.00	195.00	-331.72	1.50	-1.50	0.00
9,600.00	0.00	0.00	9,583.69	-330.00	195.00	-331.72	0.00	0.00	0.00
9,700.00	0.00	0.00	9,683.69	-330.00	195.00	-331.72	0.00	0.00	0.00
9,800.00	0.00	0.00	9,783.69	-330.00	195.00	-331.72	0.00	0.00	0.00
9,900.00	0.00	0.00	9,883.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,000.00	0.00	0.00	9,983.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,100.00	0.00	0.00	10,083.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,200.00	0.00	0.00	10,183.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,300.00	0.00	0.00	10,283.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,400.00	0.00	0.00	10,383.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,500.00	0.00	0.00	10,483.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,600.00	0.00	0.00	10,583.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,700.00	0.00	0.00	10,683.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,800.00	0.00	0.00	10,783.69	-330.00	195.00	-331.72	0.00	0.00	0.00
10,900.00	0.00	0.00	10,883.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,000.00	0.00	0.00	10,983.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,100.00	0.00	0.00	11,083.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,200.00	0.00	0.00	11,183.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,300.00	0.00	0.00	11,283.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,400.00	0.00	0.00	11,383.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,500.00	0.00	0.00	11,483.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,600.00	0.00	0.00	11,583.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,700.00	0.00	0.00	11,683.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,800.00	0.00	0.00	11,783.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,900.00	0.00	0.00	11,883.69	-330.00	195.00	-331.72	0.00	0.00	0.00
11,983.31	0.00	0.00	11,967.00	-330.00	195.00	-331.72	0.00	0.00	0.00
12,000.00	1.67	359.60	11,983.69	-329.76	195.00	-331.48	10.00	10.00	0.00
12,050.00	6.67	359.60	12,033.54	-326.12	194.97	-327.85	10.00	10.00	0.00
12,100.00	11.67	359.60	12,082.88	-318.16	194.92	-319.88	10.00	10.00	0.00
12,150.00	16.67	359.60	12,131.35	-305.92	194.83	-307.65	10.00	10.00	0.00
12,200.00	21.67	359.60	12,178.56	-289.51	194.72	-291.23	10.00	10.00	0.00
12,250.00	26.67	359.60	12,224.16	-269.05	194.57	-270.77	10.00	10.00	0.00
12,300.00	31.67	359.60	12,267.81	-244.69	194.40	-246.41	10.00	10.00	0.00
12,350.00	36.67	359.60	12,309.16	-216.62	194.21	-218.34	10.00	10.00	0.00
12,400.00	41.67	359.60	12,347.92	-185.05	193.99	-186.76	10.00	10.00	0.00
12,450.00	46.67	359.60	12,383.77	-150.22	193.74	-151.94	10.00	10.00	0.00
12,500.00	51.67	359.60	12,416.45	-112.40	193.48	-114.12	10.00	10.00	0.00
12,550.00	56.67	359.60	12,445.71	-71.88	193.20	-73.59	10.00	10.00	0.00
12,600.00	61.67	359.60	12,471.33	-28.96	192.90	-30.67	10.00	10.00	0.00

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**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	66.67	359.60	12,493.11	16.03	192.58	14.32	10.00	10.00	0.00
12,700.00	71.67	359.60	12,510.88	62.75	192.26	61.03	10.00	10.00	0.00
12,750.00	76.67	359.60	12,524.52	110.83	191.92	109.12	10.00	10.00	0.00
12,779.00	79.57	359.60	12,530.49	139.21	191.72	137.50	10.00	10.00	0.00
7"									
12,783.31	80.00	359.60	12,531.25	143.45	191.69	141.74	10.00	10.00	0.00
12,808.31	80.00	359.60	12,535.59	168.07	191.52	166.36	0.00	0.00	0.00
12,850.00	82.50	359.58	12,541.94	209.27	191.23	207.56	6.00	6.00	-0.06
12,900.00	85.50	359.55	12,547.16	258.99	190.85	257.28	6.00	6.00	-0.06
12,950.00	88.50	359.52	12,549.78	308.91	190.44	307.21	6.00	6.00	-0.06
12,975.01	90.00	359.51	12,550.10	333.92	190.23	332.21	6.00	6.00	-0.06
13,000.00	90.00	359.51	12,550.10	358.91	190.01	357.20	0.00	0.00	0.00
13,100.00	90.00	359.51	12,550.10	458.91	189.15	457.20	0.00	0.00	0.00
13,200.00	90.00	359.51	12,550.10	558.90	188.29	557.20	0.00	0.00	0.00
13,300.00	90.00	359.51	12,550.10	658.90	187.43	657.20	0.00	0.00	0.00
13,400.00	90.00	359.51	12,550.09	758.89	186.57	757.20	0.00	0.00	0.00
13,500.00	90.00	359.51	12,550.09	858.89	185.70	857.20	0.00	0.00	0.00
13,600.00	90.00	359.51	12,550.09	958.89	184.84	957.20	0.00	0.00	0.00
13,700.00	90.00	359.51	12,550.09	1,058.88	183.98	1,057.20	0.00	0.00	0.00
13,800.00	90.00	359.51	12,550.08	1,158.88	183.12	1,157.20	0.00	0.00	0.00
13,900.00	90.00	359.51	12,550.08	1,258.88	182.26	1,257.20	0.00	0.00	0.00
14,000.00	90.00	359.51	12,550.08	1,358.87	181.40	1,357.20	0.00	0.00	0.00
14,100.00	90.00	359.51	12,550.08	1,458.87	180.53	1,457.20	0.00	0.00	0.00
14,200.00	90.00	359.51	12,550.07	1,558.87	179.67	1,557.20	0.00	0.00	0.00
14,300.00	90.00	359.51	12,550.07	1,658.86	178.81	1,657.20	0.00	0.00	0.00
14,400.00	90.00	359.51	12,550.07	1,758.86	177.95	1,757.20	0.00	0.00	0.00
14,500.00	90.00	359.51	12,550.07	1,858.85	177.09	1,857.20	0.00	0.00	0.00
14,600.00	90.00	359.51	12,550.06	1,958.85	176.23	1,957.20	0.00	0.00	0.00
14,700.00	90.00	359.51	12,550.06	2,058.85	175.36	2,057.20	0.00	0.00	0.00
14,800.00	90.00	359.51	12,550.06	2,158.84	174.50	2,157.20	0.00	0.00	0.00
14,900.00	90.00	359.51	12,550.06	2,258.84	173.64	2,257.20	0.00	0.00	0.00
15,000.00	90.00	359.51	12,550.05	2,358.84	172.78	2,357.20	0.00	0.00	0.00
15,100.00	90.00	359.51	12,550.05	2,458.83	171.92	2,457.20	0.00	0.00	0.00
15,200.00	90.00	359.51	12,550.05	2,558.83	171.06	2,557.20	0.00	0.00	0.00
15,300.00	90.00	359.51	12,550.05	2,658.82	170.19	2,657.20	0.00	0.00	0.00
15,400.00	90.00	359.51	12,550.05	2,758.82	169.33	2,757.20	0.00	0.00	0.00
15,500.00	90.00	359.51	12,550.04	2,858.82	168.47	2,857.20	0.00	0.00	0.00
15,600.00	90.00	359.51	12,550.04	2,958.81	167.61	2,957.20	0.00	0.00	0.00
15,700.00	90.00	359.51	12,550.04	3,058.81	166.75	3,057.20	0.00	0.00	0.00
15,800.00	90.00	359.51	12,550.04	3,158.81	165.88	3,157.20	0.00	0.00	0.00
15,900.00	90.00	359.51	12,550.03	3,258.80	165.02	3,257.20	0.00	0.00	0.00
16,000.00	90.00	359.51	12,550.03	3,358.80	164.16	3,357.20	0.00	0.00	0.00
16,100.00	90.00	359.51	12,550.03	3,458.79	163.30	3,457.20	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**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)
16,200.00	90.00	359.51	12,550.03	3,558.79	162.44	3,557.20	0.00	0.00	0.00
16,300.00	90.00	359.51	12,550.02	3,658.79	161.58	3,657.20	0.00	0.00	0.00
16,400.00	90.00	359.51	12,550.02	3,758.78	160.71	3,757.20	0.00	0.00	0.00
16,500.00	90.00	359.51	12,550.02	3,858.78	159.85	3,857.20	0.00	0.00	0.00
16,600.00	90.00	359.51	12,550.02	3,958.78	158.99	3,957.20	0.00	0.00	0.00
16,700.00	90.00	359.51	12,550.01	4,058.77	158.13	4,057.20	0.00	0.00	0.00
16,800.00	90.00	359.51	12,550.01	4,158.77	157.27	4,157.20	0.00	0.00	0.00
16,900.00	90.00	359.51	12,550.01	4,258.76	156.41	4,257.20	0.00	0.00	0.00
17,000.00	90.00	359.51	12,550.01	4,358.76	155.54	4,357.20	0.00	0.00	0.00
17,100.00	90.00	359.51	12,550.00	4,458.76	154.68	4,457.20	0.00	0.00	0.00
17,200.00	90.00	359.51	12,550.00	4,558.75	153.82	4,557.20	0.00	0.00	0.00
17,295.25	90.00	359.51	12,550.00	4,654.00	153.00	4,652.45	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
[LesFedCom214H]LPP	0.00	0.00	0.00	4,564.00	154.00	414,721.00	794,593.00	32° 8' 11.784 N	103° 22' 53.841 W
- plan misses target center by 4566.60usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[LesFedCom214H]FPP	0.00	0.00	0.00	-58.00	195.00	410,099.00	794,634.00	32° 7' 26.045 N	103° 22' 53.839 W
- plan misses target center by 203.44usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
[LesFedCom214H]PBHL	0.00	0.00	12,550.00	4,654.00	153.00	414,811.00	794,592.00	32° 8' 12.675 N	103° 22' 53.843 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,498.00	5,496.19	9 5/8"	9-5/8	12-1/4
12,779.00	12,530.49	7"	7	8-3/4

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Well:	214H	**North Reference:**	Grid
Wellbore:	Prelim Plan A	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
4800	4800	0	0	Start Build 1.50
5133	5133	-13	7	Start 3126.21 hold
8260	8247	-247	146	Start Drop -1.50
8593	8579	-272	161	Start 3386.86 hold
11,980	11,963	-330	195	Start Build 10.00
12,780	12,531	140	192	Start 25.00 hold
12,805	12,535	165	192	Start DLS 6.00
12,971	12,550	330	190	EOC: 12971.44 MD
17,190	12,550	4549	154	BHL - X:794592 Y:414811
17,192	12,550	4550	154	TD at 17191.68

Checked By: _____ Approved By: _____ Date: _____

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	5,498.00	Prelim Plan A (Prelim Plan A)	MWD - OWSG	MWD - OWSG
5,498.00	12,779.00	Prelim Plan A (Prelim Plan A)	MWD - OWSG	MWD - OWSG
12,779.00	17,295.25	Prelim Plan A (Prelim Plan A)	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	4,800.00	4,878.00	6,023.60	5,989.37	175.972	CC
203H - OH - Prelim Plan A	4,900.00	4,977.99	6,024.20	5,989.27	172.465	ES
203H - OH - Prelim Plan A	17,295.25	17,296.14	6,300.27	6,130.93	37.205	SF
214H - OH - Prelim Plan A	8,328.23	8,672.84	5,365.25	5,320.46	119.776	CC
214H - OH - Prelim Plan A	17,295.25	17,468.71	5,400.88	5,231.04	31.800	ES, SF
217H - OH - Prelim Plan A	500.00	578.00	6,025.37	6,021.97	1,771.181	CC
217H - OH - Prelim Plan A	600.00	630.31	6,025.68	6,021.73	1,527.251	ES
217H - OH - Prelim Plan A	17,295.25	17,477.36	7,200.72	7,030.86	42.392	SF
Leslie Fed Com						
201H - OH - Prelim Plan A	702.48	759.48	3,559.96	3,555.18	745.028	CC
201H - OH - Prelim Plan A	800.00	829.99	3,560.17	3,554.80	662.082	ES
201H - OH - Prelim Plan A	17,295.25	17,235.10	4,501.56	4,334.67	26.974	SF
202H - OH - Prelim Plan A	505.56	530.56	1,593.08	1,589.83	489.917	CC
202H - OH - Prelim Plan A	600.00	617.73	1,593.14	1,589.24	408.396	ES
202H - OH - Prelim Plan A	17,295.25	17,233.47	2,702.01	2,535.14	16.193	SF
203H - OH - Prelim Plan A	8,440.50	8,537.04	865.33	820.10	19.130	CC
203H - OH - Prelim Plan A	17,295.25	17,242.18	905.90	739.81	5.454	ES, SF
215H - OH - Prelim Plan A	4,800.00	4,857.00	3,529.97	3,495.82	103.351	CC
215H - OH - Prelim Plan A	17,295.25	17,303.76	3,600.18	3,433.26	21.569	ES, SF
217H - OH - Prelim Plan A	4,800.00	4,825.00	1,563.14	1,529.10	45.920	CC
217H - OH - Prelim Plan A	4,900.00	4,924.99	1,563.73	1,528.99	45.013	ES
217H - OH - Prelim Plan A	17,295.25	17,279.54	1,800.09	1,633.27	10.790	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	78.00	78.00	0.00	0.10	-93.24	-340.00	-6,014.00	6,023.60				
100.00	100.00	178.00	178.00	0.13	0.41	-93.24	-340.00	-6,014.00	6,023.60	6,023.07	0.53	N/A	
200.00	200.00	278.00	278.00	0.49	0.77	-93.24	-340.00	-6,014.00	6,023.60	6,022.35	1.25	4,814.777	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
300.00	300.00	378.00	378.00	0.84	1.12	-93.24	-340.00	-6,014.00	6,023.60	6,021.64	1.97	3,060.760	
400.00	400.00	478.00	478.00	1.20	1.48	-93.24	-340.00	-6,014.00	6,023.60	6,020.92	2.68	2,243.468	
500.00	500.00	578.00	578.00	1.56	1.84	-93.24	-340.00	-6,014.00	6,023.60	6,020.20	3.40	1,770.661	
600.00	600.00	678.00	678.00	1.92	2.20	-93.24	-340.00	-6,014.00	6,023.60	6,019.48	4.12	1,462.452	
700.00	700.00	778.00	778.00	2.28	2.56	-93.24	-340.00	-6,014.00	6,023.60	6,018.77	4.84	1,245.632	
800.00	800.00	878.00	878.00	2.64	2.92	-93.24	-340.00	-6,014.00	6,023.60	6,018.05	5.55	1,084.801	
900.00	900.00	978.00	978.00	3.00	3.27	-93.24	-340.00	-6,014.00	6,023.60	6,017.33	6.27	960.753	
1,000.00	1,000.00	1,078.00	1,078.00	3.35	3.63	-93.24	-340.00	-6,014.00	6,023.60	6,016.62	6.99	862.164	
1,100.00	1,100.00	1,178.00	1,178.00	3.71	3.99	-93.24	-340.00	-6,014.00	6,023.60	6,015.90	7.70	781.925	
1,200.00	1,200.00	1,278.00	1,278.00	4.07	4.35	-93.24	-340.00	-6,014.00	6,023.60	6,015.18	8.42	715.350	
1,300.00	1,300.00	1,378.00	1,378.00	4.43	4.71	-93.24	-340.00	-6,014.00	6,023.60	6,014.47	9.14	659.222	
1,400.00	1,400.00	1,478.00	1,478.00	4.79	5.07	-93.24	-340.00	-6,014.00	6,023.60	6,013.75	9.85	611.261	
1,500.00	1,500.00	1,578.00	1,578.00	5.15	5.43	-93.24	-340.00	-6,014.00	6,023.60	6,013.03	10.57	569.806	
1,600.00	1,600.00	1,678.00	1,678.00	5.50	5.78	-93.24	-340.00	-6,014.00	6,023.60	6,012.32	11.29	533.616	
1,700.00	1,700.00	1,778.00	1,778.00	5.86	6.14	-93.24	-340.00	-6,014.00	6,023.60	6,011.60	12.01	501.749	
1,800.00	1,800.00	1,878.00	1,878.00	6.22	6.50	-93.24	-340.00	-6,014.00	6,023.60	6,010.88	12.72	473.474	
1,900.00	1,900.00	1,978.00	1,978.00	6.58	6.86	-93.24	-340.00	-6,014.00	6,023.60	6,010.16	13.44	448.215	
2,000.00	2,000.00	2,078.00	2,078.00	6.94	7.22	-93.24	-340.00	-6,014.00	6,023.60	6,009.45	14.16	425.515	
2,100.00	2,100.00	2,178.00	2,178.00	7.30	7.58	-93.24	-340.00	-6,014.00	6,023.60	6,008.73	14.87	405.003	
2,200.00	2,200.00	2,278.00	2,278.00	7.66	7.93	-93.24	-340.00	-6,014.00	6,023.60	6,008.01	15.59	386.378	
2,300.00	2,300.00	2,378.00	2,378.00	8.01	8.29	-93.24	-340.00	-6,014.00	6,023.60	6,007.30	16.31	369.391	
2,400.00	2,400.00	2,478.00	2,478.00	8.37	8.65	-93.24	-340.00	-6,014.00	6,023.60	6,006.58	17.02	353.834	
2,500.00	2,500.00	2,578.00	2,578.00	8.73	9.01	-93.24	-340.00	-6,014.00	6,023.60	6,005.86	17.74	339.535	
2,600.00	2,600.00	2,678.00	2,678.00	9.09	9.37	-93.24	-340.00	-6,014.00	6,023.60	6,005.15	18.46	326.346	
2,700.00	2,700.00	2,778.00	2,778.00	9.45	9.73	-93.24	-340.00	-6,014.00	6,023.60	6,004.43	19.17	314.144	
2,800.00	2,800.00	2,878.00	2,878.00	9.81	10.09	-93.24	-340.00	-6,014.00	6,023.60	6,003.71	19.89	302.822	
2,900.00	2,900.00	2,978.00	2,978.00	10.16	10.44	-93.24	-340.00	-6,014.00	6,023.60	6,002.99	20.61	292.287	
3,000.00	3,000.00	3,078.00	3,078.00	10.52	10.80	-93.24	-340.00	-6,014.00	6,023.60	6,002.28	21.33	282.460	
3,100.00	3,100.00	3,178.00	3,178.00	10.88	11.16	-93.24	-340.00	-6,014.00	6,023.60	6,001.56	22.04	273.273	
3,200.00	3,200.00	3,278.00	3,278.00	11.24	11.52	-93.24	-340.00	-6,014.00	6,023.60	6,000.84	22.76	264.665	
3,300.00	3,300.00	3,378.00	3,378.00	11.60	11.88	-93.24	-340.00	-6,014.00	6,023.60	6,000.13	23.48	256.582	
3,400.00	3,400.00	3,478.00	3,478.00	11.96	12.24	-93.24	-340.00	-6,014.00	6,023.60	5,999.41	24.19	248.979	
3,500.00	3,500.00	3,578.00	3,578.00	12.32	12.59	-93.24	-340.00	-6,014.00	6,023.60	5,998.69	24.91	241.813	
3,600.00	3,600.00	3,678.00	3,678.00	12.67	12.95	-93.24	-340.00	-6,014.00	6,023.60	5,997.98	25.63	235.048	
3,700.00	3,700.00	3,778.00	3,778.00	13.03	13.31	-93.24	-340.00	-6,014.00	6,023.60	5,997.26	26.34	228.651	
3,800.00	3,800.00	3,878.00	3,878.00	13.39	13.67	-93.24	-340.00	-6,014.00	6,023.60	5,996.54	27.06	222.593	
3,900.00	3,900.00	3,978.00	3,978.00	13.75	14.03	-93.24	-340.00	-6,014.00	6,023.60	5,995.83	27.78	216.848	
4,000.00	4,000.00	4,078.00	4,078.00	14.11	14.39	-93.24	-340.00	-6,014.00	6,023.60	5,995.11	28.49	211.392	
4,100.00	4,100.00	4,178.00	4,178.00	14.47	14.75	-93.24	-340.00	-6,014.00	6,023.60	5,994.39	29.21	206.204	
4,200.00	4,200.00	4,278.00	4,278.00	14.82	15.10	-93.24	-340.00	-6,014.00	6,023.60	5,993.67	29.93	201.265	
4,300.00	4,300.00	4,378.00	4,378.00	15.18	15.46	-93.24	-340.00	-6,014.00	6,023.60	5,992.96	30.65	196.556	
4,400.00	4,400.00	4,478.00	4,478.00	15.54	15.82	-93.24	-340.00	-6,014.00	6,023.60	5,992.24	31.36	192.063	
4,500.00	4,500.00	4,578.00	4,578.00	15.90	16.18	-93.24	-340.00	-6,014.00	6,023.60	5,991.52	32.08	187.770	
4,600.00	4,600.00	4,678.00	4,678.00	16.26	16.54	-93.24	-340.00	-6,014.00	6,023.60	5,990.81	32.80	183.666	
4,700.00	4,700.00	4,778.00	4,778.00	16.62	16.90	-93.24	-340.00	-6,014.00	6,023.60	5,990.09	33.51	179.737	
4,800.00	4,800.00	4,878.00	4,878.00	16.98	17.26	-93.24	-340.00	-6,014.00	6,023.60	5,989.37	34.23	175.972	CC
4,900.00	4,899.99	4,977.99	4,977.99	17.32	17.61	117.35	-340.00	-6,014.00	6,024.20	5,989.27	34.93	172.465	ES
5,000.00	4,999.91	5,077.91	5,077.91	17.64	17.97	117.36	-340.00	-6,014.00	6,026.01	5,990.40	35.61	169.211	
5,100.00	5,099.69	5,177.69	5,177.69	17.97	18.33	117.37	-340.00	-6,014.00	6,029.02	5,992.73	36.30	166.110	
5,133.33	5,132.91	5,210.91	5,210.91	18.08	18.45	117.38	-340.00	-6,014.00	6,030.29	5,993.77	36.52	165.109	
5,200.00	5,199.32	5,277.32	5,277.32	18.30	18.69	117.43	-340.00	-6,014.00	6,032.98	5,996.00	36.98	163.146	
5,300.00	5,298.94	5,376.94	5,376.94	18.63	19.04	117.50	-340.00	-6,014.00	6,037.01	5,999.34	37.66	160.283	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore:	Prelim Plan A	**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
5,400.00	5,398.56	5,476.56	5,476.56	18.96	19.26	117.57	-340.00	-6,014.00	6,041.05	6,002.83	38.22	158.078	
5,500.00	5,498.18	5,576.18	5,576.18	19.13	19.31	117.65	-340.00	-6,014.00	6,045.10	6,006.67	38.43	157.284	
5,600.00	5,597.80	5,675.80	5,675.80	19.14	19.32	117.72	-340.00	-6,014.00	6,049.16	6,010.70	38.46	157.298	
5,700.00	5,697.42	5,775.42	5,775.42	19.16	19.34	117.79	-340.00	-6,014.00	6,053.23	6,014.74	38.49	157.254	
5,800.00	5,797.04	5,875.04	5,875.04	19.19	19.37	117.86	-340.00	-6,014.00	6,057.31	6,018.77	38.54	157.152	
5,900.00	5,896.66	5,974.66	5,974.66	19.22	19.40	117.94	-340.00	-6,014.00	6,061.40	6,022.79	38.61	156.994	
6,000.00	5,996.28	6,074.28	6,074.28	19.26	19.44	118.01	-340.00	-6,014.00	6,065.50	6,026.81	38.69	156.779	
6,100.00	6,095.90	6,173.90	6,173.90	19.31	19.48	118.08	-340.00	-6,014.00	6,069.61	6,030.83	38.78	156.510	
6,200.00	6,195.52	6,273.52	6,273.52	19.37	19.53	118.15	-340.00	-6,014.00	6,073.73	6,034.84	38.89	156.186	
6,300.00	6,295.14	6,373.14	6,373.14	19.44	19.59	118.23	-340.00	-6,014.00	6,077.86	6,038.85	39.01	155.810	
6,400.00	6,394.76	6,472.76	6,472.76	19.51	19.65	118.30	-340.00	-6,014.00	6,082.00	6,042.86	39.14	155.383	
6,500.00	6,494.38	6,572.38	6,572.38	19.59	19.72	118.37	-340.00	-6,014.00	6,086.15	6,046.86	39.29	154.905	
6,600.00	6,594.00	6,672.00	6,672.00	19.68	19.80	118.44	-340.00	-6,014.00	6,090.31	6,050.86	39.45	154.380	
6,700.00	6,693.62	6,771.62	6,771.62	19.77	19.88	118.51	-340.00	-6,014.00	6,094.48	6,054.85	39.62	153.808	
6,800.00	6,793.24	6,871.24	6,871.24	19.87	19.97	118.59	-340.00	-6,014.00	6,098.65	6,058.84	39.81	153.192	
6,900.00	6,892.85	6,970.85	6,970.85	19.98	20.06	118.66	-340.00	-6,014.00	6,102.84	6,062.83	40.01	152.533	
7,000.00	6,992.47	7,070.47	7,070.47	20.10	20.16	118.73	-340.00	-6,014.00	6,107.04	6,066.81	40.22	151.833	
7,100.00	7,092.09	7,170.09	7,170.09	20.22	20.27	118.80	-340.00	-6,014.00	6,111.24	6,070.80	40.45	151.094	
7,200.00	7,191.71	7,227.09	7,227.09	20.35	20.33	118.84	-340.02	-6,014.09	6,115.70	6,075.07	40.63	150.509	
7,300.00	7,291.33	7,265.78	7,265.77	20.48	20.37	118.87	-340.12	-6,014.55	6,121.12	6,080.31	40.80	150.010	
7,400.00	7,390.95	7,300.00	7,299.99	20.63	20.41	118.89	-340.28	-6,015.28	6,127.53	6,086.56	40.97	149.546	
7,500.00	7,490.57	7,343.03	7,343.00	20.77	20.46	118.92	-340.57	-6,016.62	6,134.94	6,093.78	41.16	149.056	
7,600.00	7,590.19	7,400.00	7,399.91	20.93	20.52	118.96	-341.11	-6,019.12	6,143.42	6,102.05	41.36	148.518	
7,700.00	7,689.81	7,400.00	7,399.91	21.09	20.52	118.96	-341.11	-6,019.12	6,152.83	6,111.33	41.50	148.266	
7,800.00	7,789.43	7,458.52	7,458.33	21.25	20.59	118.99	-341.86	-6,022.55	6,163.13	6,121.41	41.72	147.734	
7,900.00	7,889.05	7,500.00	7,499.69	21.42	20.64	119.01	-342.50	-6,025.51	6,174.50	6,132.58	41.92	147.307	
8,000.00	7,988.67	7,538.07	7,537.63	21.60	20.69	119.04	-343.18	-6,028.61	6,186.85	6,144.74	42.11	146.909	
8,100.00	8,088.29	7,637.07	7,636.25	21.78	20.82	119.09	-345.01	-6,037.04	6,199.65	6,157.23	42.42	146.164	
8,200.00	8,187.91	7,736.07	7,734.88	21.97	20.95	119.15	-346.84	-6,045.47	6,212.45	6,169.72	42.73	145.395	
8,300.00	8,287.53	7,835.07	7,833.50	22.16	21.09	119.20	-348.67	-6,053.90	6,225.26	6,182.21	43.05	144.602	
8,400.00	8,387.15	7,934.07	7,932.13	22.36	21.23	119.26	-350.51	-6,062.33	6,238.08	6,194.69	43.38	143.788	
8,500.00	8,486.77	8,033.08	8,030.75	22.56	21.38	119.31	-352.34	-6,070.76	6,250.90	6,207.17	43.73	142.953	
8,600.00	8,586.39	8,132.08	8,129.38	22.77	21.54	119.36	-354.17	-6,079.20	6,263.72	6,219.64	44.08	142.100	
8,700.00	8,686.01	8,767.69	8,764.01	22.98	22.64	119.76	-360.00	-6,106.00	6,272.04	6,226.59	45.45	137.991	
8,800.00	8,785.62	8,867.31	8,863.62	23.20	22.82	119.82	-360.00	-6,106.00	6,276.39	6,230.54	45.85	136.895	
8,900.00	8,885.24	8,966.93	8,963.24	23.42	23.01	119.89	-360.00	-6,106.00	6,280.74	6,234.49	46.25	135.792	
9,000.00	8,984.86	9,066.55	9,062.86	23.65	23.20	119.96	-360.00	-6,106.00	6,285.10	6,238.43	46.66	134.686	
9,100.00	9,084.48	9,166.17	9,162.48	23.88	23.40	120.03	-360.00	-6,106.00	6,289.47	6,242.38	47.08	133.577	
9,197.75	9,181.86	9,263.55	9,259.86	24.10	23.60	120.10	-360.00	-6,106.00	6,293.75	6,246.25	47.50	132.491	
9,200.00	9,184.10	9,265.79	9,262.10	24.11	23.60	120.10	-360.00	-6,106.00	6,293.85	6,246.33	47.51	132.466	
9,300.00	9,283.83	9,365.52	9,361.83	24.34	23.81	120.21	-360.00	-6,106.00	6,297.55	6,249.60	47.94	131.352	
9,400.00	9,383.71	9,465.40	9,461.71	24.57	24.01	120.27	-360.00	-6,106.00	6,299.94	6,251.56	48.37	130.233	
9,500.00	9,483.69	9,565.38	9,561.69	24.78	24.23	120.30	-360.00	-6,106.00	6,301.01	6,252.20	48.80	129.110	
9,531.09	9,514.78	9,603.54	9,592.78	24.85	24.31	-90.27	-360.00	-6,106.00	6,301.07	6,252.12	48.95	128.731	
9,600.00	9,583.69	9,665.38	9,661.69	24.98	24.44	-90.27	-360.00	-6,106.00	6,301.07	6,251.86	49.21	128.035	
9,700.00	9,683.69	9,765.38	9,761.69	25.17	24.66	-90.27	-360.00	-6,106.00	6,301.07	6,251.44	49.63	126.969	
9,800.00	9,783.69	9,865.38	9,861.69	25.37	24.88	-90.27	-360.00	-6,106.00	6,301.07	6,251.02	50.05	125.903	
9,900.00	9,883.69	9,965.38	9,961.69	25.57	25.11	-90.27	-360.00	-6,106.00	6,301.07	6,250.60	50.47	124.839	
10,000.00	9,983.69	10,065.38	10,061.69	25.77	25.34	-90.27	-360.00	-6,106.00	6,301.07	6,250.16	50.91	123.776	
10,100.00	10,083.69	10,165.38	10,161.69	25.98	25.57	-90.27	-360.00	-6,106.00	6,301.07	6,249.72	51.35	122.716	
10,200.00	10,183.69	10,265.38	10,261.69	26.19	25.80	-90.27	-360.00	-6,106.00	6,301.07	6,249.28	51.79	121.660	
10,300.00	10,283.69	10,365.38	10,361.69	26.41	26.04	-90.27	-360.00	-6,106.00	6,301.07	6,248.83	52.24	120.608	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
10,400.00	10,383.69	10,465.38	10,461.69	26.62	26.28	-90.27	-360.00	-6,106.00	6,301.07	6,248.37	52.70	119.560	
10,500.00	10,483.69	10,565.38	10,561.69	26.84	26.52	-90.27	-360.00	-6,106.00	6,301.07	6,247.91	53.17	118.518	
10,600.00	10,583.69	10,665.38	10,661.69	27.07	26.77	-90.27	-360.00	-6,106.00	6,301.07	6,247.44	53.63	117.482	
10,700.00	10,683.69	10,765.38	10,761.69	27.29	27.01	-90.27	-360.00	-6,106.00	6,301.07	6,246.96	54.11	116.452	
10,800.00	10,783.69	10,865.38	10,861.69	27.52	27.26	-90.27	-360.00	-6,106.00	6,301.07	6,246.48	54.59	115.428	
10,900.00	10,883.69	10,965.38	10,961.69	27.75	27.52	-90.27	-360.00	-6,106.00	6,301.07	6,246.00	55.07	114.412	
11,000.00	10,983.69	11,065.38	11,061.69	27.99	27.77	-90.27	-360.00	-6,106.00	6,301.07	6,245.51	55.56	113.403	
11,100.00	11,083.69	11,165.38	11,161.69	28.23	28.03	-90.27	-360.00	-6,106.00	6,301.07	6,245.01	56.06	112.402	
11,200.00	11,183.69	11,265.38	11,261.69	28.46	28.29	-90.27	-360.00	-6,106.00	6,301.07	6,244.51	56.56	111.410	
11,300.00	11,283.69	11,365.38	11,361.69	28.71	28.55	-90.27	-360.00	-6,106.00	6,301.07	6,244.01	57.06	110.425	
11,400.00	11,383.69	11,465.38	11,461.69	28.95	28.81	-90.27	-360.00	-6,106.00	6,301.07	6,243.50	57.57	109.450	
11,500.00	11,483.69	11,565.38	11,561.69	29.20	29.08	-90.27	-360.00	-6,106.00	6,301.07	6,242.99	58.08	108.483	
11,600.00	11,583.69	11,665.38	11,661.69	29.45	29.35	-90.27	-360.00	-6,106.00	6,301.07	6,242.47	58.60	107.525	
11,700.00	11,683.69	11,765.38	11,761.69	29.70	29.62	-90.27	-360.00	-6,106.00	6,301.07	6,241.95	59.12	106.577	
11,800.00	11,783.69	11,865.38	11,861.69	29.95	29.89	-90.27	-360.00	-6,106.00	6,301.07	6,241.42	59.65	105.638	
11,900.00	11,883.69	11,965.38	11,961.69	30.21	30.16	-90.27	-360.00	-6,106.00	6,301.07	6,240.89	60.18	104.708	
11,903.35	11,887.04	11,968.72	11,965.04	30.22	30.17	-90.27	-360.00	-6,106.00	6,301.07	6,240.88	60.20	104.677	
11,983.31	11,967.00	12,048.42	12,044.70	30.42	30.39	-90.26	-358.62	-6,106.01	6,301.07	6,240.45	60.62	103.944	
12,000.00	11,983.69	12,064.92	12,061.14	30.46	30.43	-89.85	-357.24	-6,106.01	6,301.07	6,240.37	60.71	103.795	
12,050.00	12,033.54	12,114.18	12,109.90	30.59	30.57	-89.82	-350.32	-6,106.05	6,301.07	6,240.11	60.96	103.362	
12,100.00	12,082.88	12,163.16	12,157.61	30.70	30.70	-89.79	-339.30	-6,106.11	6,301.06	6,239.86	61.20	102.952	
12,150.00	12,131.35	12,211.87	12,203.95	30.80	30.83	-89.76	-324.35	-6,106.19	6,301.05	6,239.61	61.43	102.565	
12,200.00	12,178.56	12,260.33	12,248.63	30.90	30.95	-89.74	-305.62	-6,106.28	6,301.03	6,239.37	61.65	102.198	
12,250.00	12,224.16	12,308.54	12,291.36	30.98	31.06	-89.71	-283.31	-6,106.40	6,301.00	6,239.14	61.87	101.848	
12,300.00	12,267.81	12,356.54	12,331.87	31.06	31.17	-89.69	-257.61	-6,106.54	6,300.97	6,238.90	62.07	101.511	
12,350.00	12,309.16	12,404.32	12,369.93	31.13	31.29	-89.67	-228.75	-6,106.69	6,300.93	6,238.66	62.27	101.182	
12,400.00	12,347.92	12,451.91	12,405.32	31.19	31.41	-89.66	-196.95	-6,106.85	6,300.89	6,238.41	62.48	100.854	
12,450.00	12,383.77	12,499.33	12,437.84	31.25	31.54	-89.64	-162.45	-6,107.03	6,300.84	6,238.16	62.68	100.524	
12,500.00	12,416.45	12,546.60	12,467.30	31.31	31.67	-89.63	-125.51	-6,107.23	6,300.78	6,237.89	62.89	100.184	
12,550.00	12,445.71	12,593.72	12,493.55	31.37	31.82	-89.62	-86.38	-6,107.43	6,300.72	6,237.61	63.11	99.831	
12,600.00	12,471.33	12,640.74	12,516.44	31.43	31.97	-89.62	-45.34	-6,107.65	6,300.65	6,237.30	63.35	99.460	
12,650.00	12,493.11	12,687.65	12,535.85	31.51	32.13	-89.61	-2.64	-6,107.87	6,300.58	6,236.98	63.60	99.066	
12,700.00	12,510.88	12,734.49	12,551.68	31.60	32.29	-89.61	41.43	-6,108.10	6,300.51	6,236.64	63.87	98.649	
12,750.00	12,524.52	12,781.28	12,563.85	31.70	32.47	-89.62	86.59	-6,108.34	6,300.43	6,236.27	64.15	98.206	
12,783.31	12,531.25	12,812.69	12,569.95	37.07	37.28	-89.62	117.40	-6,108.50	6,300.37	6,236.05	64.32	97.948	
12,808.31	12,535.59	12,837.10	12,574.18	37.09	37.29	-89.62	141.44	-6,108.63	6,300.33	6,235.90	64.42	97.795	
12,850.00	12,541.94	12,872.69	12,579.58	37.11	37.31	-89.62	176.61	-6,108.83	6,300.27	6,235.67	64.60	97.530	
12,900.00	12,547.16	12,915.38	12,584.32	37.13	37.34	-89.62	219.03	-6,109.10	6,300.21	6,235.37	64.84	97.168	
12,950.00	12,549.78	12,958.08	12,587.17	37.16	37.36	-89.63	261.64	-6,109.41	6,300.16	6,235.05	65.11	96.756	
12,975.01	12,550.10	12,979.45	12,587.88	37.17	37.37	-89.63	283.00	-6,109.58	6,300.15	6,234.88	65.27	96.529	
12,989.69	12,550.10	13,010.24	12,588.11	37.18	37.39	-89.64	294.12	-6,109.68	6,300.14	6,234.70	65.44	96.269	
13,000.00	12,550.10	13,000.89	12,588.11	37.19	37.38	-89.64	304.43	-6,109.77	6,300.14	6,234.72	65.43	96.295	
13,100.00	12,550.10	13,100.89	12,588.10	37.24	37.44	-89.64	404.42	-6,110.63	6,300.14	6,233.92	66.23	95.126	
13,200.00	12,550.10	13,200.89	12,588.10	37.30	37.50	-89.64	504.42	-6,111.50	6,300.15	6,232.96	67.19	93.769	
13,300.00	12,550.10	13,300.89	12,588.10	37.36	37.56	-89.64	604.42	-6,112.36	6,300.15	6,231.86	68.29	92.250	
13,400.00	12,550.09	13,400.89	12,588.10	37.43	37.63	-89.64	704.41	-6,113.22	6,300.15	6,230.61	69.54	90.596	
13,500.00	12,550.09	13,500.89	12,588.09	37.51	37.72	-89.64	804.41	-6,114.09	6,300.16	6,229.24	70.92	88.833	
13,600.00	12,550.09	13,600.89	12,588.09	37.60	37.86	-89.64	904.41	-6,114.95	6,300.16	6,227.73	72.43	86.986	
13,700.00	12,550.09	13,700.89	12,588.09	37.72	38.29	-89.64	1,004.40	-6,115.82	6,300.16	6,226.11	74.05	85.078	
13,800.00	12,550.08	13,800.89	12,588.09	37.93	39.09	-89.64	1,104.40	-6,116.68	6,300.17	6,224.38	75.79	83.131	
13,900.00	12,550.08	13,900.89	12,588.08	38.31	40.02	-89.64	1,204.40	-6,117.55	6,300.17	6,222.54	77.62	81.162	
14,000.00	12,550.08	14,000.89	12,588.08	38.97	41.02	-89.64	1,304.39	-6,118.41	6,300.17	6,220.61	79.56	79.189	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,550.08	14,100.89	12,588.08	39.82	42.06	-89.64	1,404.39	-6,119.28	6,300.17	6,218.59	81.58	77.225	
14,200.00	12,550.07	14,200.89	12,588.08	40.77	43.15	-89.64	1,504.38	-6,120.14	6,300.18	6,216.49	83.69	75.282	
14,300.00	12,550.07	14,300.89	12,588.07	41.79	44.27	-89.64	1,604.38	-6,121.01	6,300.18	6,214.31	85.87	73.368	
14,400.00	12,550.07	14,400.89	12,588.07	42.87	45.43	-89.64	1,704.38	-6,121.87	6,300.18	6,212.06	88.13	71.491	
14,500.00	12,550.07	14,500.89	12,588.07	43.98	46.62	-89.64	1,804.37	-6,122.74	6,300.19	6,209.74	90.44	69.658	
14,600.00	12,550.06	14,600.89	12,588.07	45.13	47.83	-89.64	1,904.37	-6,123.60	6,300.19	6,207.36	92.83	67.871	
14,700.00	12,550.06	14,700.89	12,588.06	46.31	49.07	-89.64	2,004.37	-6,124.47	6,300.19	6,204.93	95.26	66.135	
14,800.00	12,550.06	14,800.89	12,588.06	47.53	50.34	-89.64	2,104.36	-6,125.33	6,300.20	6,202.45	97.75	64.452	
14,900.00	12,550.06	14,900.89	12,588.06	48.77	51.63	-89.64	2,204.36	-6,126.20	6,300.20	6,199.91	100.29	62.821	
15,000.00	12,550.05	15,000.89	12,588.06	50.03	52.94	-89.64	2,304.35	-6,127.06	6,300.20	6,197.33	102.87	61.245	
15,100.00	12,550.05	15,100.89	12,588.05	51.32	54.27	-89.64	2,404.35	-6,127.93	6,300.21	6,194.71	105.49	59.722	
15,200.00	12,550.05	15,200.89	12,588.05	52.63	55.61	-89.64	2,504.35	-6,128.79	6,300.21	6,192.06	108.15	58.253	
15,300.00	12,550.05	15,300.89	12,588.05	53.96	56.98	-89.64	2,604.34	-6,129.66	6,300.21	6,189.36	110.85	56.836	
15,400.00	12,550.05	15,400.89	12,588.05	55.31	58.36	-89.64	2,704.34	-6,130.52	6,300.21	6,186.64	113.58	55.470	
15,500.00	12,550.04	15,500.89	12,588.04	56.67	59.75	-89.64	2,804.34	-6,131.38	6,300.22	6,183.88	116.34	54.154	
15,600.00	12,550.04	15,600.89	12,588.04	58.05	61.15	-89.64	2,904.33	-6,132.25	6,300.22	6,181.09	119.13	52.886	
15,700.00	12,550.04	15,700.89	12,588.04	59.45	62.57	-89.64	3,004.33	-6,133.11	6,300.22	6,178.28	121.94	51.665	
15,800.00	12,550.04	15,800.89	12,588.04	60.85	64.00	-89.64	3,104.32	-6,133.98	6,300.23	6,175.44	124.78	50.490	
15,900.00	12,550.03	15,900.89	12,588.03	62.27	65.44	-89.64	3,204.32	-6,134.84	6,300.23	6,172.58	127.65	49.357	
16,000.00	12,550.03	16,000.89	12,588.03	63.70	66.90	-89.64	3,304.32	-6,135.71	6,300.23	6,169.70	130.53	48.266	
16,100.00	12,550.03	16,100.89	12,588.03	65.15	68.36	-89.64	3,404.31	-6,136.57	6,300.24	6,166.80	133.44	47.216	
16,200.00	12,550.03	16,200.89	12,588.03	66.60	69.83	-89.64	3,504.31	-6,137.44	6,300.24	6,163.88	136.36	46.203	
16,300.00	12,550.02	16,300.89	12,588.02	68.06	71.30	-89.64	3,604.31	-6,138.30	6,300.24	6,160.94	139.30	45.228	
16,400.00	12,550.02	16,400.89	12,588.02	69.53	72.79	-89.64	3,704.30	-6,139.17	6,300.24	6,157.99	142.26	44.287	
16,500.00	12,550.02	16,500.89	12,588.02	71.01	74.28	-89.64	3,804.30	-6,140.03	6,300.25	6,155.02	145.23	43.380	
16,600.00	12,550.02	16,600.89	12,588.02	72.50	75.78	-89.64	3,904.29	-6,140.90	6,300.25	6,152.03	148.22	42.506	
16,700.00	12,550.01	16,700.89	12,588.02	73.99	77.29	-89.64	4,004.29	-6,141.76	6,300.25	6,149.03	151.22	41.662	
16,800.00	12,550.01	16,800.89	12,588.01	75.49	78.80	-89.64	4,104.29	-6,142.63	6,300.26	6,146.02	154.24	40.848	
16,900.00	12,550.01	16,900.89	12,588.01	77.00	80.32	-89.64	4,204.28	-6,143.49	6,300.26	6,143.00	157.26	40.061	
17,000.00	12,550.01	17,000.89	12,588.01	78.52	81.84	-89.64	4,304.28	-6,144.36	6,300.26	6,139.96	160.30	39.302	
17,100.00	12,550.00	17,100.89	12,588.01	80.03	83.37	-89.64	4,404.28	-6,145.22	6,300.27	6,136.91	163.35	38.568	
17,200.00	12,550.00	17,200.89	12,588.00	81.56	84.91	-89.64	4,504.27	-6,146.09	6,300.27	6,133.86	166.41	37.859	
17,295.25	12,550.00	17,296.14	12,588.00	83.02	86.37	-89.64	4,599.52	-6,146.91	6,300.27	6,130.93	169.34	37.205 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	78.00	78.00	0.00	0.10	-93.53	-369.00	-5,984.00	5,995.37				
100.00	100.00	178.00	178.00	0.13	0.41	-93.53	-369.00	-5,984.00	5,995.37	5,994.83	0.53	N/A	
200.00	200.00	278.00	278.00	0.49	0.77	-93.53	-369.00	-5,984.00	5,995.37	5,994.12	1.25	4,792.206	
300.00	300.00	378.00	378.00	0.84	1.12	-93.53	-369.00	-5,984.00	5,995.37	5,993.40	1.97	3,046.412	
400.00	400.00	478.00	478.00	1.20	1.48	-93.53	-369.00	-5,984.00	5,995.37	5,992.68	2.68	2,232.951	
500.00	500.00	578.00	578.00	1.56	1.84	-93.53	-369.00	-5,984.00	5,995.37	5,991.96	3.40	1,762.361	
600.00	600.00	678.00	678.00	1.92	2.20	-93.53	-369.00	-5,984.00	5,995.37	5,991.25	4.12	1,455.596	
700.00	700.00	778.00	778.00	2.28	2.56	-93.53	-369.00	-5,984.00	5,995.37	5,990.53	4.84	1,239.793	
800.00	800.00	878.00	878.00	2.64	2.92	-93.53	-369.00	-5,984.00	5,995.37	5,989.81	5.55	1,079.716	
900.00	900.00	1,604.79	1,602.94	3.00	5.50	-93.55	-368.46	-5,941.67	5,985.80	5,977.37	8.43	709.814	
1,000.00	1,000.00	1,704.25	1,701.85	3.35	5.87	-93.55	-368.32	-5,931.28	5,975.36	5,966.22	9.14	653.713	
1,100.00	1,100.00	1,803.70	1,800.76	3.71	6.24	-93.56	-368.19	-5,920.88	5,964.92	5,955.07	9.85	605.563	
1,200.00	1,200.00	1,903.15	1,899.66	4.07	6.62	-93.56	-368.06	-5,910.49	5,954.48	5,943.92	10.56	563.813	
1,300.00	1,300.00	2,002.60	1,998.57	4.43	6.99	-93.57	-367.92	-5,900.09	5,944.04	5,932.76	11.27	527.277	
1,400.00	1,400.00	2,102.05	2,097.48	4.79	7.37	-93.57	-367.79	-5,889.70	5,933.60	5,921.61	11.99	495.044	
1,500.00	1,500.00	2,201.51	2,196.39	5.15	7.75	-93.58	-367.65	-5,879.30	5,923.16	5,910.46	12.70	466.400	
1,600.00	1,600.00	2,300.96	2,295.29	5.50	8.13	-93.58	-367.52	-5,868.91	5,912.72	5,899.30	13.41	440.783	
1,700.00	1,700.00	2,400.41	2,394.20	5.86	8.51	-93.59	-367.39	-5,858.51	5,902.28	5,888.15	14.13	417.738	
1,800.00	1,800.00	2,500.14	2,493.11	6.22	8.90	-93.59	-367.25	-5,848.12	5,891.84	5,876.99	14.85	396.873	
1,900.00	1,900.00	2,600.68	2,592.01	6.58	9.28	-93.60	-367.12	-5,837.72	5,881.40	5,865.83	15.57	377.846	
2,000.00	2,000.00	2,698.77	2,690.92	6.94	9.66	-93.60	-366.99	-5,827.33	5,870.96	5,854.68	16.28	360.690	
2,100.00	2,100.00	2,801.78	2,789.83	7.30	10.06	-93.61	-366.85	-5,816.94	5,860.52	5,843.51	17.01	344.601	
2,200.00	2,200.00	2,902.33	2,888.74	7.66	10.45	-93.61	-366.72	-5,806.54	5,850.08	5,832.35	17.73	329.996	
2,300.00	2,300.00	3,002.88	2,987.64	8.01	10.84	-93.62	-366.59	-5,796.15	5,839.64	5,821.19	18.45	316.527	
2,400.00	2,400.00	3,103.42	3,086.55	8.37	11.23	-93.62	-366.45	-5,785.75	5,829.20	5,810.03	19.17	304.068	
2,500.00	2,500.00	3,203.97	3,185.46	8.73	11.62	-93.63	-366.32	-5,775.36	5,818.76	5,798.86	19.89	292.510	
2,600.00	2,600.00	3,304.52	3,284.37	9.09	12.02	-93.63	-366.18	-5,764.96	5,808.32	5,787.70	20.61	281.758	
2,700.00	2,700.00	3,405.07	3,383.27	9.45	12.41	-93.64	-366.05	-5,754.57	5,797.88	5,776.54	21.34	271.731	
2,800.00	2,800.00	3,505.61	3,482.18	9.81	12.80	-93.64	-365.92	-5,744.17	5,787.44	5,765.38	22.06	262.358	
2,900.00	2,900.00	3,606.16	3,581.09	10.16	13.19	-93.65	-365.78	-5,733.78	5,777.00	5,754.22	22.78	253.579	
3,000.00	3,000.00	3,706.71	3,680.00	10.52	13.59	-93.66	-365.65	-5,723.38	5,766.56	5,743.06	23.50	245.337	
3,100.00	3,100.00	3,807.26	3,778.90	10.88	13.98	-93.66	-365.52	-5,712.99	5,756.12	5,731.89	24.23	237.586	
3,200.00	3,200.00	3,907.81	3,877.81	11.24	14.37	-93.67	-365.38	-5,702.59	5,745.68	5,720.73	24.95	230.283	
3,300.00	3,300.00	4,008.35	3,976.72	11.60	14.77	-93.67	-365.25	-5,692.20	5,735.24	5,709.57	25.67	223.390	
3,400.00	3,400.00	4,108.90	4,075.63	11.96	15.16	-93.68	-365.12	-5,681.80	5,724.80	5,698.41	26.40	216.874	
3,500.00	3,500.00	4,209.45	4,174.53	12.32	15.56	-93.68	-364.98	-5,671.41	5,714.36	5,687.24	27.12	210.704	
3,600.00	3,600.00	4,310.00	4,273.44	12.67	15.95	-93.69	-364.85	-5,661.01	5,703.92	5,676.08	27.84	204.855	
3,700.00	3,700.00	4,389.45	4,372.35	13.03	16.26	-93.69	-364.71	-5,650.62	5,693.48	5,664.99	28.49	199.839	
3,800.00	3,800.00	4,488.91	4,471.26	13.39	16.65	-93.70	-364.58	-5,640.22	5,683.05	5,653.84	29.21	194.558	
3,900.00	3,900.00	4,588.36	4,570.16	13.75	17.04	-93.70	-364.45	-5,629.83	5,672.61	5,642.68	29.93	189.531	
4,000.00	4,000.00	4,687.81	4,669.07	14.11	17.43	-93.71	-364.31	-5,619.44	5,662.17	5,631.52	30.65	184.740	
4,100.00	4,100.00	4,787.26	4,767.98	14.47	17.82	-93.71	-364.18	-5,609.04	5,651.73	5,620.36	31.37	180.167	
4,200.00	4,200.00	4,886.72	4,866.88	14.82	18.21	-93.72	-364.05	-5,598.65	5,641.29	5,609.20	32.09	175.800	
4,300.00	4,300.00	4,986.17	4,965.79	15.18	18.60	-93.73	-363.91	-5,588.25	5,630.85	5,598.04	32.81	171.624	
4,400.00	4,400.00	5,085.62	5,064.70	15.54	19.00	-93.73	-363.78	-5,577.86	5,620.41	5,586.88	33.53	167.627	
4,500.00	4,500.00	5,185.07	5,163.61	15.90	19.39	-93.74	-363.65	-5,567.46	5,609.97	5,575.72	34.25	163.798	
4,600.00	4,600.00	5,284.52	5,262.51	16.26	19.78	-93.74	-363.51	-5,557.07	5,599.54	5,564.57	34.97	160.126	
4,700.00	4,700.00	5,383.98	5,361.42	16.62	20.17	-93.75	-363.38	-5,546.67	5,589.10	5,553.41	35.69	156.602	
4,800.00	4,800.00	5,483.43	5,460.33	16.98	20.42	-93.75	-363.25	-5,536.28	5,578.66	5,542.40	36.26	153.859	
4,900.00	4,899.99	5,582.94	5,559.29	17.32	20.50	116.96	-363.11	-5,525.88	5,568.81	5,532.17	36.63	152.011	
5,000.00	4,999.91	5,682.51	5,658.32	17.64	20.56	117.11	-362.98	-5,515.47	5,560.14	5,523.17	36.97	150.396	
5,100.00	5,099.69	5,782.09	5,757.36	17.97	20.63	117.27	-362.84	-5,505.06	5,552.67	5,515.35	37.31	148.810	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
5,133.33	5,132.91	5,815.27	5,790.35	18.08	20.65	117.32	-362.80	-5,501.59	5,550.44	5,513.01	37.43	148.289	
5,200.00	5,199.32	5,881.62	5,856.34	18.30	20.70	117.37	-362.71	-5,494.66	5,546.13	5,508.46	37.67	147.246	
5,300.00	5,298.94	5,981.15	5,955.32	18.63	20.79	117.44	-362.58	-5,484.26	5,539.67	5,501.64	38.03	145.678	
5,400.00	5,398.56	6,080.68	6,054.31	18.96	20.88	117.52	-362.44	-5,473.85	5,533.22	5,494.82	38.40	144.106	
5,500.00	5,498.18	6,180.20	6,153.29	19.13	20.97	117.59	-362.31	-5,463.45	5,526.77	5,488.17	38.61	143.154	
5,600.00	5,597.80	6,279.73	6,252.27	19.14	21.08	117.67	-362.18	-5,453.05	5,520.34	5,481.67	38.67	142.751	
5,700.00	5,697.42	6,379.26	6,351.25	19.16	21.19	117.75	-362.04	-5,442.65	5,513.92	5,475.17	38.75	142.297	
5,800.00	5,797.04	6,478.79	6,450.23	19.19	21.31	117.82	-361.91	-5,432.24	5,507.50	5,468.66	38.84	141.793	
5,900.00	5,896.66	6,578.31	6,549.21	19.22	21.43	117.90	-361.77	-5,421.84	5,501.10	5,462.15	38.95	141.241	
6,000.00	5,996.28	6,677.84	6,648.20	19.26	21.56	117.97	-361.64	-5,411.44	5,494.70	5,455.64	39.07	140.642	
6,100.00	6,095.90	6,777.37	6,747.18	19.31	21.70	118.05	-361.51	-5,401.04	5,488.32	5,449.12	39.20	139.997	
6,200.00	6,195.52	6,876.89	6,846.16	19.37	21.84	118.13	-361.37	-5,390.63	5,481.94	5,442.59	39.35	139.309	
6,300.00	6,295.14	6,976.42	6,945.14	19.44	21.99	118.20	-361.24	-5,380.23	5,475.58	5,436.07	39.51	138.579	
6,400.00	6,394.76	7,075.95	7,044.12	19.51	22.14	118.28	-361.11	-5,369.83	5,469.22	5,429.54	39.69	137.809	
6,500.00	6,494.38	7,175.48	7,143.11	19.59	22.30	118.36	-360.97	-5,359.43	5,462.88	5,423.00	39.87	137.001	
6,600.00	6,594.00	7,275.00	7,242.09	19.68	22.47	118.43	-360.84	-5,349.02	5,456.54	5,416.47	40.08	136.156	
6,700.00	6,693.62	7,374.53	7,341.07	19.77	22.64	118.51	-360.70	-5,338.62	5,450.22	5,409.93	40.29	135.277	
6,800.00	6,793.24	7,474.06	7,440.05	19.87	22.82	118.59	-360.57	-5,328.22	5,443.90	5,403.39	40.52	134.366	
6,900.00	6,892.85	7,573.58	7,539.03	19.98	23.00	118.67	-360.44	-5,317.82	5,437.60	5,396.84	40.75	133.424	
7,000.00	6,992.47	7,673.11	7,638.02	20.10	23.19	118.74	-360.30	-5,307.41	5,431.30	5,390.30	41.00	132.455	
7,100.00	7,092.09	7,772.64	7,737.00	20.22	23.39	118.82	-360.17	-5,297.01	5,425.02	5,383.75	41.27	131.459	
7,200.00	7,191.71	7,872.17	7,835.98	20.35	23.58	118.90	-360.04	-5,286.61	5,418.74	5,377.20	41.54	130.440	
7,300.00	7,291.33	7,971.69	7,934.96	20.48	23.79	118.98	-359.90	-5,276.20	5,412.48	5,370.65	41.83	129.398	
7,400.00	7,390.95	8,071.22	8,033.94	20.63	23.99	119.06	-359.77	-5,265.80	5,406.22	5,364.10	42.13	128.337	
7,500.00	7,490.57	8,170.75	8,132.92	20.77	24.21	119.14	-359.63	-5,255.40	5,399.98	5,357.54	42.43	127.258	
7,600.00	7,590.19	8,270.27	8,231.91	20.93	24.42	119.22	-359.50	-5,245.00	5,393.74	5,350.99	42.75	126.163	
7,700.00	7,689.81	8,369.80	8,330.89	21.09	24.65	119.30	-359.37	-5,234.59	5,387.52	5,344.44	43.08	125.054	
7,800.00	7,789.43	8,443.20	8,403.88	21.25	24.81	119.35	-359.27	-5,226.92	5,381.37	5,337.99	43.38	124.046	
7,900.00	7,889.05	8,500.00	8,460.42	21.42	24.94	119.40	-359.20	-5,221.41	5,375.97	5,332.30	43.66	123.121	
8,000.00	7,988.67	8,536.79	8,497.08	21.60	25.02	119.43	-359.16	-5,218.28	5,371.67	5,327.75	43.92	122.310	
8,100.00	8,088.29	8,600.00	8,560.12	21.78	25.15	119.48	-359.10	-5,213.74	5,368.57	5,324.35	44.22	121.410	
8,200.00	8,187.91	8,600.00	8,560.12	21.97	25.15	119.48	-359.10	-5,213.74	5,366.44	5,322.03	44.41	120.827	
8,300.00	8,287.53	8,661.13	8,621.16	22.16	25.27	119.53	-359.06	-5,210.34	5,365.34	5,320.62	44.72	119.983	
8,328.23	8,315.65	8,672.84	8,632.85	22.22	25.29	119.54	-359.05	-5,209.80	5,365.25	5,320.46	44.79	119.776 CC	
8,400.00	8,387.15	8,700.00	8,659.99	22.36	25.35	119.56	-359.03	-5,208.68	5,365.42	5,320.43	44.98	119.277	
8,500.00	8,486.77	8,744.06	8,704.03	22.56	25.43	119.60	-359.02	-5,207.29	5,366.58	5,321.32	45.26	118.571	
8,600.00	8,586.39	8,800.00	8,759.96	22.77	25.53	119.64	-359.00	-5,206.24	5,368.89	5,323.33	45.56	117.833	
8,700.00	8,686.01	8,826.93	8,786.89	22.98	25.58	119.66	-359.00	-5,206.03	5,372.20	5,326.39	45.81	117.272	
8,800.00	8,785.62	8,903.67	8,863.62	23.20	25.70	119.72	-359.00	-5,206.00	5,376.44	5,330.29	46.15	116.487	
8,900.00	8,885.24	9,003.29	8,963.24	23.42	25.87	119.80	-359.00	-5,206.00	5,380.78	5,334.23	46.55	115.586	
9,000.00	8,984.86	9,102.91	9,062.86	23.65	26.04	119.89	-359.00	-5,206.00	5,385.13	5,338.17	46.96	114.681	
9,100.00	9,084.48	9,202.53	9,162.48	23.88	26.21	119.97	-359.00	-5,206.00	5,389.49	5,342.12	47.37	113.772	
9,197.75	9,181.86	9,300.09	9,259.86	24.10	26.39	120.04	-359.00	-5,206.00	5,393.77	5,345.98	47.78	112.881	
9,200.00	9,184.10	9,302.15	9,262.10	24.11	26.39	120.05	-359.00	-5,206.00	5,393.86	5,346.07	47.79	112.861	
9,300.00	9,283.83	9,401.87	9,361.83	24.34	26.57	120.16	-359.00	-5,206.00	5,397.56	5,349.34	48.22	111.944	
9,400.00	9,383.71	9,501.76	9,461.71	24.57	26.76	120.24	-359.00	-5,206.00	5,399.94	5,351.30	48.64	111.018	
9,500.00	9,483.69	9,601.73	9,561.69	24.78	26.94	120.27	-359.00	-5,206.00	5,401.01	5,351.95	49.06	110.083	
9,531.09	9,514.78	9,632.82	9,592.78	24.85	27.00	-90.31	-359.00	-5,206.00	5,401.08	5,351.89	49.19	109.798	
9,600.00	9,583.69	9,701.73	9,661.69	24.98	27.14	-90.31	-359.00	-5,206.00	5,401.08	5,351.61	49.47	109.185	
9,700.00	9,683.69	9,801.73	9,761.69	25.17	27.33	-90.31	-359.00	-5,206.00	5,401.08	5,351.20	49.87	108.294	
9,800.00	9,783.69	9,901.73	9,861.69	25.37	27.53	-90.31	-359.00	-5,206.00	5,401.08	5,350.79	50.29	107.403	
9,900.00	9,883.69	10,001.73	9,961.69	25.57	27.73	-90.31	-359.00	-5,206.00	5,401.08	5,350.37	50.71	106.511	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
10,000.00	9,983.69	10,101.73	10,061.69	25.77	27.94	-90.31	-359.00	-5,206.00	5,401.08	5,349.94	51.14	105.621	
10,100.00	10,083.69	10,201.73	10,161.69	25.98	28.15	-90.31	-359.00	-5,206.00	5,401.08	5,349.51	51.57	104.733	
10,200.00	10,183.69	10,301.73	10,261.69	26.19	28.36	-90.31	-359.00	-5,206.00	5,401.08	5,349.07	52.01	103.846	
10,300.00	10,283.69	10,401.73	10,361.69	26.41	28.57	-90.31	-359.00	-5,206.00	5,401.08	5,348.62	52.46	102.963	
10,400.00	10,383.69	10,501.73	10,461.69	26.62	28.79	-90.31	-359.00	-5,206.00	5,401.08	5,348.17	52.91	102.083	
10,500.00	10,483.69	10,601.73	10,561.69	26.84	29.01	-90.31	-359.00	-5,206.00	5,401.08	5,347.71	53.37	101.207	
10,600.00	10,583.69	10,701.73	10,661.69	27.07	29.23	-90.31	-359.00	-5,206.00	5,401.08	5,347.25	53.83	100.336	
10,700.00	10,683.69	10,801.73	10,761.69	27.29	29.46	-90.31	-359.00	-5,206.00	5,401.08	5,346.78	54.30	99.469	
10,800.00	10,783.69	10,901.73	10,861.69	27.52	29.68	-90.31	-359.00	-5,206.00	5,401.08	5,346.30	54.77	98.608	
10,900.00	10,883.69	11,001.73	10,961.69	27.75	29.91	-90.31	-359.00	-5,206.00	5,401.08	5,345.82	55.25	97.752	
11,000.00	10,983.69	11,101.73	11,061.69	27.99	30.15	-90.31	-359.00	-5,206.00	5,401.08	5,345.34	55.74	96.901	
11,100.00	11,083.69	11,201.73	11,161.69	28.23	30.38	-90.31	-359.00	-5,206.00	5,401.08	5,344.85	56.23	96.058	
11,200.00	11,183.69	11,301.73	11,261.69	28.46	30.62	-90.31	-359.00	-5,206.00	5,401.08	5,344.36	56.72	95.220	
11,300.00	11,283.69	11,401.73	11,361.69	28.71	30.86	-90.31	-359.00	-5,206.00	5,401.08	5,343.86	57.22	94.389	
11,400.00	11,383.69	11,501.73	11,461.69	28.95	31.10	-90.31	-359.00	-5,206.00	5,401.08	5,343.35	57.73	93.565	
11,500.00	11,483.69	11,601.73	11,561.69	29.20	31.35	-90.31	-359.00	-5,206.00	5,401.08	5,342.84	58.23	92.749	
11,600.00	11,583.69	11,701.73	11,661.69	29.45	31.59	-90.31	-359.00	-5,206.00	5,401.08	5,342.33	58.75	91.939	
11,700.00	11,683.69	11,801.73	11,761.69	29.70	31.84	-90.31	-359.00	-5,206.00	5,401.08	5,341.82	59.26	91.138	
11,800.00	11,783.69	11,901.73	11,861.69	29.95	32.09	-90.31	-359.00	-5,206.00	5,401.08	5,341.29	59.78	90.343	
11,900.00	11,883.69	12,001.73	11,961.69	30.21	32.35	-90.31	-359.00	-5,206.00	5,401.08	5,340.77	60.31	89.557	
11,983.31	11,967.00	12,085.05	12,045.00	30.42	32.56	-90.31	-359.00	-5,206.00	5,401.08	5,340.33	60.75	88.907	
12,000.00	11,983.69	12,101.73	12,061.69	30.46	32.60	-89.91	-359.00	-5,206.00	5,401.08	5,340.24	60.84	88.779	
12,050.00	12,033.54	12,151.58	12,111.54	30.59	32.73	-89.95	-359.00	-5,206.00	5,401.07	5,339.98	61.10	88.404	
12,100.00	12,082.88	12,201.71	12,161.66	30.70	32.86	-90.03	-358.38	-5,206.00	5,401.07	5,339.72	61.35	88.043	
12,150.00	12,131.35	12,252.94	12,212.66	30.80	32.99	-90.11	-353.71	-5,206.02	5,401.07	5,339.48	61.59	87.695	
12,200.00	12,178.56	12,304.92	12,263.77	30.90	33.12	-90.20	-344.34	-5,206.06	5,401.06	5,339.24	61.83	87.359	
12,250.00	12,224.16	12,357.67	12,314.55	30.98	33.25	-90.28	-330.14	-5,206.13	5,401.06	5,339.01	62.06	87.036	
12,300.00	12,267.81	12,411.18	12,364.51	31.06	33.38	-90.36	-311.03	-5,206.21	5,401.05	5,338.77	62.28	86.723	
12,350.00	12,309.16	12,465.46	12,413.14	31.13	33.51	-90.44	-286.96	-5,206.31	5,401.04	5,338.54	62.50	86.415	
12,400.00	12,347.92	12,520.50	12,459.90	31.19	33.63	-90.52	-257.98	-5,206.44	5,401.03	5,338.30	62.72	86.109	
12,450.00	12,383.77	12,576.27	12,504.23	31.25	33.76	-90.59	-224.17	-5,206.59	5,401.01	5,338.06	62.95	85.799	
12,500.00	12,416.45	12,632.74	12,545.55	31.31	33.88	-90.66	-185.71	-5,206.76	5,400.98	5,337.79	63.18	85.479	
12,550.00	12,445.71	12,689.86	12,583.29	31.37	34.00	-90.72	-142.86	-5,206.94	5,400.94	5,337.50	63.43	85.145	
12,600.00	12,471.33	12,747.57	12,616.90	31.43	34.13	-90.78	-95.98	-5,207.15	5,400.88	5,337.19	63.70	84.790	
12,650.00	12,493.11	12,805.80	12,645.85	31.51	34.26	-90.83	-45.49	-5,207.37	5,400.82	5,336.84	63.98	84.408	
12,700.00	12,510.88	12,864.45	12,669.69	31.60	34.41	-90.87	8.07	-5,207.60	5,400.74	5,336.45	64.30	83.998	
12,750.00	12,524.52	12,923.43	12,688.02	31.70	34.58	-90.90	64.11	-5,207.85	5,400.65	5,336.01	64.63	83.558	
12,783.31	12,531.25	12,962.86	12,697.01	37.07	34.70	-90.92	102.49	-5,208.01	5,400.58	5,335.73	64.85	83.281	
12,808.31	12,535.59	12,989.77	12,701.81	37.09	37.57	-90.92	128.96	-5,208.13	5,400.51	5,335.54	64.98	83.113	
12,850.00	12,541.94	13,029.99	12,708.33	37.11	39.75	-90.93	168.64	-5,208.31	5,400.42	5,335.25	65.17	82.865	
12,900.00	12,547.16	13,077.68	12,713.96	37.13	39.81	-90.94	216.00	-5,208.59	5,400.34	5,334.91	65.43	82.539	
12,950.00	12,549.78	13,125.40	12,717.21	37.16	39.88	-90.95	263.60	-5,208.92	5,400.30	5,334.57	65.72	82.166	
12,975.01	12,550.10	13,149.29	12,717.95	37.17	39.92	-90.95	287.48	-5,209.12	5,400.29	5,334.41	65.89	81.965	
12,976.86	12,550.10	13,151.05	12,717.98	37.17	39.92	-90.95	289.24	-5,209.13	5,400.29	5,334.39	65.90	81.950	
13,000.00	12,550.10	13,173.46	12,718.11	37.19	39.96	-90.95	311.65	-5,209.32	5,400.29	5,334.23	66.06	81.749	
13,100.00	12,550.10	13,273.46	12,718.10	37.24	40.14	-90.95	411.65	-5,210.20	5,400.31	5,333.43	66.88	80.750	
13,200.00	12,550.10	13,373.46	12,718.10	37.30	40.35	-90.95	511.64	-5,211.07	5,400.32	5,332.48	67.84	79.604	
13,300.00	12,550.10	13,473.46	12,718.10	37.36	40.60	-90.95	611.64	-5,211.95	5,400.33	5,331.38	68.95	78.324	
13,400.00	12,550.09	13,573.46	12,718.10	37.43	40.90	-90.95	711.63	-5,212.82	5,400.35	5,330.15	70.20	76.931	
13,500.00	12,550.09	13,673.46	12,718.09	37.51	41.25	-90.95	811.63	-5,213.70	5,400.36	5,328.78	71.58	75.447	
13,600.00	12,550.09	13,773.46	12,718.09	37.60	41.68	-90.95	911.63	-5,214.57	5,400.37	5,327.29	73.08	73.893	
13,700.00	12,550.09	13,873.46	12,718.09	37.72	42.18	-90.95	1,011.62	-5,215.45	5,400.39	5,325.68	74.71	72.288	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
13,800.00	12,550.08	13,973.46	12,718.09	37.93	42.76	-90.95	1,111.62	-5,216.33	5,400.40	5,323.96	76.44	70.649	
13,900.00	12,550.08	14,073.46	12,718.08	38.31	43.43	-90.95	1,211.62	-5,217.20	5,400.41	5,322.14	78.27	68.993	
14,000.00	12,550.08	14,173.46	12,718.08	38.97	44.17	-90.95	1,311.61	-5,218.08	5,400.43	5,320.22	80.21	67.332	
14,100.00	12,550.08	14,273.46	12,718.08	39.82	45.00	-90.95	1,411.61	-5,218.95	5,400.44	5,318.22	82.23	65.679	
14,200.00	12,550.07	14,373.46	12,718.08	40.77	45.90	-90.95	1,511.60	-5,219.83	5,400.46	5,316.13	84.33	64.042	
14,300.00	12,550.07	14,473.46	12,718.07	41.79	46.85	-90.95	1,611.60	-5,220.70	5,400.47	5,313.96	86.51	62.429	
14,400.00	12,550.07	14,573.46	12,718.07	42.87	47.87	-90.95	1,711.60	-5,221.58	5,400.48	5,311.73	88.75	60.847	
14,500.00	12,550.07	14,673.46	12,718.07	43.98	48.93	-90.95	1,811.59	-5,222.45	5,400.50	5,309.43	91.07	59.301	
14,600.00	12,550.06	14,773.46	12,718.07	45.13	50.04	-90.95	1,911.59	-5,223.33	5,400.51	5,307.07	93.44	57.794	
14,700.00	12,550.06	14,873.46	12,718.06	46.31	51.19	-90.95	2,011.58	-5,224.20	5,400.52	5,304.65	95.88	56.328	
14,800.00	12,550.06	14,973.46	12,718.06	47.53	52.37	-90.95	2,111.58	-5,225.08	5,400.54	5,302.18	98.36	54.906	
14,900.00	12,550.06	15,073.46	12,718.06	48.77	53.58	-90.95	2,211.58	-5,225.95	5,400.55	5,299.66	100.89	53.528	
15,000.00	12,550.05	15,173.46	12,718.06	50.03	54.82	-90.95	2,311.57	-5,226.83	5,400.56	5,297.10	103.47	52.196	
15,100.00	12,550.05	15,273.46	12,718.05	51.32	56.08	-90.95	2,411.57	-5,227.70	5,400.58	5,294.49	106.08	50.908	
15,200.00	12,550.05	15,373.46	12,718.05	52.63	57.37	-90.95	2,511.57	-5,228.58	5,400.59	5,291.85	108.74	49.665	
15,300.00	12,550.05	15,473.46	12,718.05	53.96	58.68	-90.95	2,611.56	-5,229.45	5,400.60	5,289.17	111.43	48.465	
15,400.00	12,550.05	15,573.46	12,718.05	55.31	60.01	-90.95	2,711.56	-5,230.33	5,400.62	5,286.46	114.16	47.309	
15,500.00	12,550.04	15,673.46	12,718.04	56.67	61.36	-90.95	2,811.55	-5,231.21	5,400.63	5,283.72	116.91	46.194	
15,600.00	12,550.04	15,773.46	12,718.04	58.05	62.73	-90.95	2,911.55	-5,232.08	5,400.65	5,280.95	119.70	45.120	
15,700.00	12,550.04	15,873.46	12,718.04	59.45	64.11	-90.95	3,011.55	-5,232.96	5,400.66	5,278.15	122.51	44.085	
15,800.00	12,550.04	15,973.46	12,718.04	60.85	65.50	-90.95	3,111.54	-5,233.83	5,400.67	5,275.33	125.34	43.088	
15,900.00	12,550.03	16,073.46	12,718.04	62.27	66.91	-90.95	3,211.54	-5,234.71	5,400.69	5,272.49	128.20	42.127	
16,000.00	12,550.03	16,173.46	12,718.03	63.70	68.33	-90.95	3,311.53	-5,235.58	5,400.70	5,269.62	131.08	41.201	
16,100.00	12,550.03	16,273.46	12,718.03	65.15	69.76	-90.95	3,411.53	-5,236.46	5,400.71	5,266.73	133.98	40.310	
16,200.00	12,550.03	16,373.46	12,718.03	66.60	71.20	-90.95	3,511.53	-5,237.33	5,400.73	5,263.83	136.90	39.450	
16,300.00	12,550.02	16,473.46	12,718.03	68.06	72.65	-90.95	3,611.52	-5,238.21	5,400.74	5,260.90	139.84	38.621	
16,400.00	12,550.02	16,573.46	12,718.02	69.53	74.11	-90.95	3,711.52	-5,239.08	5,400.75	5,257.96	142.79	37.823	
16,500.00	12,550.02	16,673.46	12,718.02	71.01	75.58	-90.95	3,811.52	-5,239.96	5,400.77	5,255.01	145.76	37.052	
16,600.00	12,550.02	16,773.46	12,718.02	72.50	77.05	-90.95	3,911.51	-5,240.83	5,400.78	5,252.04	148.75	36.309	
16,700.00	12,550.01	16,873.46	12,718.02	73.99	78.54	-90.95	4,011.51	-5,241.71	5,400.79	5,249.05	151.74	35.591	
16,800.00	12,550.01	16,973.46	12,718.01	75.49	80.03	-90.95	4,111.50	-5,242.58	5,400.81	5,246.05	154.76	34.899	
16,900.00	12,550.01	17,073.46	12,718.01	77.00	81.53	-90.95	4,211.50	-5,243.46	5,400.82	5,243.04	157.78	34.230	
17,000.00	12,550.01	17,173.46	12,718.01	78.52	83.03	-90.95	4,311.50	-5,244.33	5,400.84	5,240.02	160.81	33.584	
17,100.00	12,550.00	17,273.46	12,718.01	80.03	84.54	-90.95	4,411.49	-5,245.21	5,400.85	5,236.99	163.86	32.960	
17,200.00	12,550.00	17,373.46	12,718.00	81.56	86.06	-90.95	4,511.49	-5,246.09	5,400.86	5,233.94	166.92	32.356	
17,295.25	12,550.00	17,468.71	12,718.00	83.02	87.51	-90.95	4,606.73	-5,246.92	5,400.88	5,231.04	169.84	31.800 ES, SF	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	78.00	78.00	0.00	0.10	-93.52	-370.00	-6,014.00	6,025.37				
100.00	100.00	178.00	178.00	0.13	0.41	-93.52	-370.00	-6,014.00	6,025.37	6,024.84	0.53	N/A	
200.00	200.00	278.00	278.00	0.49	0.77	-93.52	-370.00	-6,014.00	6,025.37	6,024.12	1.25	4,816.190	
300.00	300.00	378.00	378.00	0.84	1.12	-93.52	-370.00	-6,014.00	6,025.37	6,023.40	1.97	3,061.658	
400.00	400.00	478.00	478.00	1.20	1.48	-93.52	-370.00	-6,014.00	6,025.37	6,022.69	2.68	2,244.126	
500.00	500.00	578.00	578.00	1.56	1.84	-93.52	-370.00	-6,014.00	6,025.37	6,021.97	3.40	1,771.181	CC
600.00	600.00	630.31	630.31	1.92	2.03	-93.52	-370.00	-6,014.12	6,025.68	6,021.73	3.95	1,527.251	ES
700.00	700.00	669.16	669.16	2.28	2.16	-93.52	-369.99	-6,014.63	6,026.98	6,022.54	4.44	1,357.467	
800.00	800.00	700.00	699.99	2.64	2.27	-93.52	-369.99	-6,015.31	6,029.31	6,024.40	4.91	1,229.043	
900.00	900.00	746.81	746.78	3.00	2.43	-93.52	-369.97	-6,016.82	6,032.62	6,027.19	5.42	1,112.008	
1,000.00	1,000.00	800.00	799.91	3.35	2.62	-93.52	-369.95	-6,019.23	6,037.00	6,031.04	5.97	1,012.009	
1,100.00	1,100.00	800.00	799.91	3.71	2.62	-93.52	-369.95	-6,019.23	6,042.43	6,036.11	6.32	956.028	
1,200.00	1,200.00	863.05	862.84	4.07	2.84	-93.51	-369.91	-6,023.05	6,048.67	6,041.77	6.90	877.133	
1,300.00	1,300.00	900.00	899.69	4.43	2.97	-93.51	-369.88	-6,025.77	6,056.03	6,048.66	7.38	820.771	
1,400.00	1,400.00	940.28	939.83	4.79	3.12	-93.51	-369.85	-6,029.15	6,064.41	6,056.53	7.87	770.270	
1,500.00	1,500.00	1,000.00	999.27	5.15	3.33	-93.51	-369.79	-6,034.92	6,073.88	6,065.44	8.44	719.967	
1,600.00	1,600.00	1,000.00	999.27	5.50	3.33	-93.51	-369.79	-6,034.92	6,084.22	6,075.44	8.78	692.741	
1,700.00	1,700.00	1,055.59	1,054.51	5.86	3.54	-93.50	-369.73	-6,041.14	6,095.53	6,086.20	9.33	653.291	
1,800.00	1,800.00	1,100.00	1,098.57	6.22	3.70	-93.50	-369.67	-6,046.68	6,107.90	6,098.07	9.84	620.988	
1,900.00	1,900.00	1,183.18	1,181.04	6.58	4.02	-93.49	-369.56	-6,057.53	6,120.90	6,110.42	10.49	583.728	
2,000.00	2,000.00	1,282.32	1,279.34	6.94	4.41	-93.48	-369.43	-6,070.47	6,133.92	6,122.73	11.20	547.875	
2,100.00	2,100.00	1,381.47	1,377.63	7.30	4.80	-93.47	-369.30	-6,083.41	6,146.94	6,135.03	11.91	516.139	
2,200.00	2,200.00	1,480.61	1,475.93	7.66	5.19	-93.47	-369.17	-6,096.35	6,159.96	6,147.34	12.62	487.959	
2,300.00	2,300.00	1,579.76	1,574.23	8.01	5.58	-93.46	-369.04	-6,109.29	6,172.98	6,159.64	13.34	462.761	
2,400.00	2,400.00	1,678.90	1,672.52	8.37	5.98	-93.45	-368.91	-6,122.23	6,186.00	6,171.95	14.06	440.101	
2,500.00	2,500.00	1,778.05	1,770.82	8.73	6.38	-93.44	-368.78	-6,135.18	6,199.03	6,184.25	14.77	419.616	
2,600.00	2,600.00	1,877.19	1,869.12	9.09	6.78	-93.43	-368.65	-6,148.12	6,212.05	6,196.56	15.49	401.013	
2,700.00	2,700.00	1,976.34	1,967.41	9.45	7.18	-93.42	-368.52	-6,161.06	6,225.07	6,208.86	16.21	384.044	
2,800.00	2,800.00	2,075.48	2,065.71	9.81	7.59	-93.41	-368.39	-6,174.00	6,238.09	6,221.16	16.93	368.505	
2,900.00	2,900.00	2,174.62	2,164.00	10.16	7.99	-93.41	-368.26	-6,186.94	6,251.11	6,233.46	17.65	354.224	
3,000.00	3,000.00	2,273.77	2,262.30	10.52	8.40	-93.40	-368.13	-6,199.88	6,264.13	6,245.77	18.37	341.056	
3,100.00	3,100.00	2,372.91	2,360.60	10.88	8.80	-93.39	-368.00	-6,212.82	6,277.15	6,258.07	19.09	328.875	
3,200.00	3,200.00	2,472.06	2,458.89	11.24	9.21	-93.38	-367.87	-6,225.76	6,290.18	6,270.37	19.81	317.575	
3,300.00	3,300.00	2,571.20	2,557.19	11.60	9.62	-93.37	-367.73	-6,238.70	6,303.20	6,282.67	20.53	307.065	
3,400.00	3,400.00	2,670.35	2,655.49	11.96	10.02	-93.37	-367.60	-6,251.64	6,316.22	6,294.97	21.25	297.264	
3,500.00	3,500.00	2,769.49	2,753.78	12.32	10.43	-93.36	-367.47	-6,264.58	6,329.24	6,307.27	21.97	288.104	
3,600.00	3,600.00	2,868.64	2,852.08	12.67	10.84	-93.35	-367.34	-6,277.52	6,342.26	6,319.58	22.69	279.524	
3,700.00	3,700.00	2,967.78	2,950.37	13.03	11.25	-93.34	-367.21	-6,290.46	6,355.29	6,331.88	23.41	271.471	
3,800.00	3,800.00	3,066.93	3,048.67	13.39	11.66	-93.33	-367.08	-6,303.40	6,368.31	6,344.18	24.13	263.897	
3,900.00	3,900.00	3,166.07	3,146.97	13.75	12.07	-93.32	-366.95	-6,316.34	6,381.33	6,356.48	24.85	256.762	
4,000.00	4,000.00	3,265.21	3,245.26	14.11	12.48	-93.32	-366.82	-6,329.28	6,394.36	6,368.78	25.57	250.027	
4,100.00	4,100.00	3,364.36	3,343.56	14.47	12.89	-93.31	-366.69	-6,342.22	6,407.38	6,381.08	26.30	243.662	
4,200.00	4,200.00	3,463.50	3,441.86	14.82	13.30	-93.30	-366.56	-6,355.16	6,420.40	6,393.38	27.02	237.636	
4,300.00	4,300.00	3,562.65	3,540.15	15.18	13.71	-93.29	-366.43	-6,368.10	6,433.43	6,405.69	27.74	231.922	
4,400.00	4,400.00	3,661.79	3,638.45	15.54	14.12	-93.29	-366.30	-6,381.04	6,446.45	6,417.99	28.46	226.498	
4,500.00	4,500.00	3,760.94	3,736.75	15.90	14.53	-93.28	-366.17	-6,393.98	6,459.47	6,430.29	29.18	221.341	
4,600.00	4,600.00	3,860.08	3,835.04	16.26	14.94	-93.27	-366.04	-6,406.92	6,472.50	6,442.59	29.91	216.433	
4,700.00	4,700.00	3,959.23	3,933.34	16.62	15.35	-93.26	-365.91	-6,419.86	6,485.52	6,454.89	30.63	211.755	
4,800.00	4,800.00	4,058.37	4,031.63	16.98	15.76	-93.25	-365.78	-6,432.80	6,498.54	6,467.19	31.35	207.293	
4,900.00	4,899.99	4,157.41	4,129.83	17.32	16.17	117.16	-365.65	-6,445.73	6,512.16	6,480.11	32.05	203.161	
5,000.00	4,999.91	4,256.21	4,227.79	17.64	16.58	117.00	-365.52	-6,458.62	6,526.97	6,494.22	32.74	199.350	
5,100.00	5,099.69	4,354.70	4,325.43	17.97	16.98	116.84	-365.39	-6,471.48	6,542.95	6,509.52	33.43	195.736	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
5,133.33	5,132.91	4,387.45	4,357.90	18.08	17.12	116.79	-365.35	-6,475.75	6,548.54	6,514.88	33.66	194.572	
5,200.00	5,199.32	4,452.90	4,422.79	18.30	17.39	116.84	-365.26	-6,484.30	6,559.85	6,525.73	34.11	192.295	
5,300.00	5,298.94	4,551.08	4,520.13	18.63	17.80	116.91	-365.13	-6,497.11	6,576.82	6,542.02	34.80	188.983	
5,400.00	5,398.56	4,649.26	4,617.47	18.96	18.20	116.99	-365.00	-6,509.92	6,593.81	6,558.32	35.49	185.790	
5,500.00	5,498.18	4,747.44	4,714.81	19.13	18.61	117.06	-364.87	-6,522.74	6,610.80	6,574.77	36.03	183.465	
5,600.00	5,597.80	4,845.62	4,812.15	19.14	19.02	117.14	-364.74	-6,535.55	6,627.81	6,591.40	36.41	182.040	
5,700.00	5,697.42	4,943.80	4,909.49	19.16	19.43	117.21	-364.61	-6,548.37	6,644.83	6,608.04	36.79	180.608	
5,800.00	5,797.04	5,041.98	5,006.82	19.19	19.83	117.28	-364.48	-6,561.18	6,661.86	6,624.68	37.18	179.170	
5,900.00	5,896.66	5,140.15	5,104.16	19.22	20.24	117.36	-364.35	-6,574.00	6,678.90	6,641.32	37.58	177.726	
6,000.00	5,996.28	5,238.33	5,201.50	19.26	20.65	117.43	-364.23	-6,586.81	6,695.95	6,657.96	37.99	176.278	
6,100.00	6,095.90	5,336.51	5,298.84	19.31	21.06	117.50	-364.10	-6,599.62	6,713.01	6,674.61	38.40	174.827	
6,200.00	6,195.52	5,434.69	5,396.18	19.37	21.40	117.57	-363.97	-6,612.44	6,730.08	6,691.33	38.75	173.660	
6,300.00	6,295.14	5,532.87	5,493.52	19.44	21.59	117.65	-363.84	-6,625.25	6,747.16	6,708.22	38.94	173.260	
6,400.00	6,394.76	5,631.05	5,590.86	19.51	21.68	117.72	-363.71	-6,638.07	6,764.25	6,725.23	39.02	173.339	
6,500.00	6,494.38	5,729.23	5,688.20	19.59	21.77	117.79	-363.58	-6,650.88	6,781.36	6,742.24	39.12	173.356	
6,600.00	6,594.00	5,827.40	5,785.53	19.68	21.87	117.86	-363.45	-6,663.70	6,798.47	6,759.24	39.23	173.314	
6,700.00	6,693.62	5,925.58	5,882.87	19.77	21.98	117.93	-363.32	-6,676.51	6,815.59	6,776.24	39.35	173.212	
6,800.00	6,793.24	6,023.76	5,980.21	19.87	22.09	118.00	-363.19	-6,689.32	6,832.72	6,793.24	39.48	173.052	
6,900.00	6,892.85	6,121.94	6,077.55	19.98	22.21	118.07	-363.06	-6,702.14	6,849.86	6,810.23	39.63	172.835	
7,000.00	6,992.47	6,220.12	6,174.89	20.10	22.34	118.14	-362.93	-6,714.95	6,867.01	6,827.22	39.79	172.563	
7,100.00	7,092.09	6,318.30	6,272.23	20.22	22.47	118.21	-362.80	-6,727.77	6,884.17	6,844.21	39.97	172.237	
7,200.00	7,191.71	6,416.48	6,369.57	20.35	22.61	118.27	-362.68	-6,740.58	6,901.35	6,861.19	40.16	171.860	
7,300.00	7,291.33	6,514.65	6,466.90	20.48	22.76	118.34	-362.55	-6,753.40	6,918.53	6,878.17	40.36	171.432	
7,400.00	7,390.95	6,612.83	6,564.24	20.63	22.91	118.41	-362.42	-6,766.21	6,935.72	6,895.15	40.57	170.956	
7,500.00	7,490.57	6,711.01	6,661.58	20.77	23.07	118.48	-362.29	-6,779.02	6,952.91	6,912.12	40.80	170.434	
7,600.00	7,590.19	6,809.19	6,758.92	20.93	23.24	118.54	-362.16	-6,791.84	6,970.12	6,929.09	41.03	169.868	
7,700.00	7,689.81	6,907.37	6,856.26	21.09	23.41	118.61	-362.03	-6,804.65	6,987.34	6,946.06	41.28	169.260	
7,800.00	7,789.43	7,005.55	6,953.60	21.25	23.59	118.68	-361.90	-6,817.47	7,004.57	6,963.03	41.54	168.612	
7,900.00	7,889.05	7,103.73	7,050.94	21.42	23.77	118.74	-361.77	-6,830.28	7,021.80	6,979.99	41.81	167.927	
8,000.00	7,988.67	7,201.90	7,148.28	21.60	23.96	118.81	-361.64	-6,843.09	7,039.05	6,996.95	42.10	167.205	
8,100.00	8,088.29	7,300.08	7,245.61	21.78	24.16	118.87	-361.51	-6,855.91	7,056.30	7,013.91	42.39	166.450	
8,200.00	8,187.91	7,401.74	7,342.95	21.97	24.36	118.94	-361.38	-6,868.72	7,073.57	7,030.86	42.70	165.646	
8,300.00	8,287.53	7,503.56	7,440.29	22.16	24.58	119.00	-361.25	-6,881.54	7,090.84	7,047.82	43.02	164.812	
8,400.00	8,387.15	7,605.38	7,537.63	22.36	24.79	119.07	-361.13	-6,894.35	7,108.12	7,064.76	43.36	163.949	
8,500.00	8,486.77	7,707.20	7,634.97	22.56	25.02	119.13	-361.00	-6,907.17	7,125.41	7,081.71	43.70	163.060	
8,600.00	8,586.39	7,809.02	7,732.31	22.77	25.25	119.20	-360.87	-6,919.98	7,142.71	7,098.66	44.05	162.147	
8,700.00	8,686.01	7,889.16	7,829.65	22.98	25.43	119.26	-360.74	-6,932.79	7,160.01	7,115.64	44.38	161.335	
8,800.00	8,785.62	8,927.22	8,863.62	23.20	27.50	119.91	-360.00	-7,006.00	7,176.33	7,129.94	46.40	154.672	
8,900.00	8,885.24	9,026.84	8,963.24	23.42	27.66	119.97	-360.00	-7,006.00	7,180.70	7,133.90	46.79	153.455	
9,000.00	8,984.86	9,126.46	9,062.86	23.65	27.82	120.03	-360.00	-7,006.00	7,185.07	7,137.87	47.20	152.232	
9,100.00	9,084.48	9,226.07	9,162.48	23.88	27.98	120.09	-360.00	-7,006.00	7,189.44	7,141.83	47.61	151.004	
9,197.75	9,181.86	9,323.46	9,259.86	24.10	28.15	120.15	-360.00	-7,006.00	7,193.73	7,145.71	48.02	149.801	
9,200.00	9,184.10	9,325.69	9,262.10	24.11	28.15	120.15	-360.00	-7,006.00	7,193.83	7,145.80	48.03	149.773	
9,300.00	9,283.83	9,425.42	9,361.83	24.34	28.32	120.25	-360.00	-7,006.00	7,197.54	7,149.08	48.46	148.540	
9,400.00	9,383.71	9,525.31	9,461.71	24.57	28.50	120.31	-360.00	-7,006.00	7,199.93	7,151.05	48.88	147.303	
9,500.00	9,483.69	9,625.28	9,561.69	24.78	28.68	120.34	-360.00	-7,006.00	7,201.00	7,151.70	49.30	146.065	
9,531.09	9,514.78	9,656.37	9,592.78	24.85	28.73	-90.24	-360.00	-7,006.00	7,201.06	7,151.64	49.43	145.690	
9,600.00	9,583.69	9,725.28	9,661.69	24.98	28.86	-90.24	-360.00	-7,006.00	7,201.06	7,151.36	49.70	144.883	
9,700.00	9,683.69	9,825.28	9,761.69	25.17	29.04	-90.24	-360.00	-7,006.00	7,201.06	7,150.95	50.11	143.709	
9,800.00	9,783.69	9,925.28	9,861.69	25.37	29.23	-90.24	-360.00	-7,006.00	7,201.06	7,150.54	50.52	142.534	
9,900.00	9,883.69	10,025.28	9,961.69	25.57	29.42	-90.24	-360.00	-7,006.00	7,201.06	7,150.12	50.94	141.360	
10,000.00	9,983.69	10,125.28	10,061.69	25.77	29.62	-90.24	-360.00	-7,006.00	7,201.06	7,149.70	51.37	140.187	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
10,100.00	10,083.69	10,225.28	10,161.69	25.98	29.82	-90.24	-360.00	-7,006.00	7,201.06	7,149.26	51.80	139.016	
10,200.00	10,183.69	10,325.28	10,261.69	26.19	30.02	-90.24	-360.00	-7,006.00	7,201.06	7,148.82	52.24	137.848	
10,300.00	10,283.69	10,425.28	10,361.69	26.41	30.22	-90.24	-360.00	-7,006.00	7,201.06	7,148.38	52.68	136.684	
10,400.00	10,383.69	10,525.28	10,461.69	26.62	30.43	-90.24	-360.00	-7,006.00	7,201.06	7,147.93	53.14	135.524	
10,500.00	10,483.69	10,625.28	10,561.69	26.84	30.64	-90.24	-360.00	-7,006.00	7,201.06	7,147.47	53.59	134.369	
10,600.00	10,583.69	10,725.28	10,661.69	27.07	30.85	-90.24	-360.00	-7,006.00	7,201.06	7,147.01	54.05	133.219	
10,700.00	10,683.69	10,825.28	10,761.69	27.29	31.06	-90.24	-360.00	-7,006.00	7,201.06	7,146.54	54.52	132.076	
10,800.00	10,783.69	10,925.28	10,861.69	27.52	31.28	-90.24	-360.00	-7,006.00	7,201.06	7,146.07	55.00	130.940	
10,900.00	10,883.69	11,025.28	10,961.69	27.75	31.50	-90.24	-360.00	-7,006.00	7,201.06	7,145.59	55.47	129.810	
11,000.00	10,983.69	11,125.28	11,061.69	27.99	31.72	-90.24	-360.00	-7,006.00	7,201.06	7,145.11	55.96	128.689	
11,100.00	11,083.69	11,225.28	11,161.69	28.23	31.95	-90.24	-360.00	-7,006.00	7,201.06	7,144.62	56.45	127.575	
11,200.00	11,183.69	11,325.28	11,261.69	28.46	32.17	-90.24	-360.00	-7,006.00	7,201.06	7,144.12	56.94	126.469	
11,300.00	11,283.69	11,425.28	11,361.69	28.71	32.40	-90.24	-360.00	-7,006.00	7,201.06	7,143.63	57.44	125.373	
11,400.00	11,383.69	11,525.28	11,461.69	28.95	32.64	-90.24	-360.00	-7,006.00	7,201.06	7,143.12	57.94	124.285	
11,500.00	11,483.69	11,625.28	11,561.69	29.20	32.87	-90.24	-360.00	-7,006.00	7,201.06	7,142.62	58.45	123.207	
11,600.00	11,583.69	11,725.28	11,661.69	29.45	33.11	-90.24	-360.00	-7,006.00	7,201.06	7,142.10	58.96	122.138	
11,700.00	11,683.69	11,825.28	11,761.69	29.70	33.35	-90.24	-360.00	-7,006.00	7,201.06	7,141.59	59.47	121.079	
11,800.00	11,783.69	11,925.28	11,861.69	29.95	33.59	-90.24	-360.00	-7,006.00	7,201.06	7,141.07	59.99	120.030	
11,900.00	11,883.69	12,025.28	11,961.69	30.21	33.83	-90.24	-360.00	-7,006.00	7,201.06	7,140.54	60.52	118.991	
11,983.31	11,967.00	12,108.59	12,045.00	30.42	34.03	-90.24	-360.00	-7,006.00	7,201.06	7,140.11	60.96	118.133	
12,000.00	11,983.69	12,125.28	12,061.69	30.46	34.07	-89.84	-360.00	-7,006.00	7,201.06	7,140.02	61.05	117.963	
12,050.00	12,033.54	12,175.13	12,111.54	30.59	34.20	-89.87	-360.00	-7,006.00	7,201.05	7,139.75	61.30	117.468	
12,100.00	12,082.88	12,224.94	12,161.33	30.70	34.32	-89.93	-359.39	-7,006.00	7,201.04	7,139.49	61.55	116.994	
12,150.00	12,131.35	12,275.53	12,211.71	30.80	34.45	-90.00	-354.84	-7,006.02	7,201.02	7,139.23	61.79	116.537	
12,200.00	12,178.56	12,326.86	12,262.20	30.90	34.57	-90.06	-345.70	-7,006.06	7,201.00	7,138.98	62.03	116.098	
12,250.00	12,224.16	12,378.94	12,312.38	30.98	34.70	-90.13	-331.85	-7,006.12	7,200.98	7,138.73	62.25	115.674	
12,300.00	12,267.81	12,431.77	12,361.80	31.06	34.82	-90.19	-313.20	-7,006.20	7,200.95	7,138.48	62.47	115.263	
12,350.00	12,309.16	12,485.38	12,409.96	31.13	34.95	-90.25	-289.71	-7,006.31	7,200.92	7,138.23	62.69	114.858	
12,400.00	12,347.92	12,539.75	12,456.36	31.19	35.07	-90.32	-261.40	-7,006.43	7,200.89	7,137.97	62.91	114.455	
12,450.00	12,383.77	12,594.88	12,500.44	31.25	35.19	-90.38	-228.33	-7,006.57	7,200.85	7,137.71	63.14	114.046	
12,500.00	12,416.45	12,650.73	12,541.65	31.31	35.31	-90.43	-190.67	-7,006.74	7,200.80	7,137.43	63.37	113.626	
12,550.00	12,445.71	12,707.28	12,579.44	31.37	35.42	-90.49	-148.64	-7,006.92	7,200.75	7,137.13	63.62	113.185	
12,600.00	12,471.33	12,764.47	12,613.26	31.43	35.55	-90.54	-102.55	-7,007.12	7,200.68	7,136.80	63.88	112.719	
12,650.00	12,493.11	12,822.23	12,642.59	31.51	35.68	-90.58	-52.81	-7,007.34	7,200.61	7,136.44	64.16	112.220	
12,700.00	12,510.88	12,880.50	12,666.95	31.60	35.82	-90.62	0.09	-7,007.57	7,200.53	7,136.05	64.47	111.687	
12,750.00	12,524.52	12,939.19	12,685.93	31.70	35.98	-90.65	55.60	-7,007.81	7,200.43	7,135.63	64.80	111.117	
12,783.31	12,531.25	12,978.47	12,695.41	37.07	36.09	-90.67	93.71	-7,007.98	7,200.36	7,135.35	65.01	110.757	
12,808.31	12,535.59	13,006.56	12,700.64	37.09	37.45	-90.68	121.31	-7,008.10	7,200.30	7,135.15	65.15	110.523	
12,850.00	12,541.94	13,046.04	12,707.23	37.11	41.07	-90.68	160.23	-7,008.28	7,200.20	7,134.86	65.34	110.193	
12,900.00	12,547.16	13,091.58	12,713.01	37.13	41.15	-90.69	205.39	-7,008.53	7,200.11	7,134.52	65.59	109.767	
12,950.00	12,549.78	13,137.17	12,716.63	37.16	41.23	-90.71	250.84	-7,008.84	7,200.06	7,134.17	65.89	109.281	
12,975.01	12,550.10	13,159.99	12,717.63	37.17	41.27	-90.71	273.64	-7,009.01	7,200.05	7,134.00	66.04	109.019	
12,995.21	12,550.10	13,178.44	12,718.03	37.18	41.31	-90.72	292.08	-7,009.16	7,200.05	7,133.87	66.18	108.794	
13,000.00	12,550.10	13,182.82	12,718.08	37.19	41.31	-90.72	296.46	-7,009.20	7,200.05	7,133.83	66.21	108.741	
13,100.00	12,550.10	13,282.11	12,718.10	37.24	41.52	-90.72	395.75	-7,010.07	7,200.06	7,133.04	67.02	107.431	
13,200.00	12,550.10	13,382.11	12,718.10	37.30	41.77	-90.72	495.74	-7,010.95	7,200.08	7,132.10	67.98	105.917	
13,300.00	12,550.10	13,482.11	12,718.10	37.36	42.05	-90.72	595.74	-7,011.83	7,200.09	7,131.01	69.08	104.224	
13,400.00	12,550.09	13,582.11	12,718.10	37.43	42.38	-90.72	695.74	-7,012.70	7,200.11	7,129.78	70.33	102.380	
13,500.00	12,550.09	13,682.11	12,718.09	37.51	42.76	-90.72	795.73	-7,013.58	7,200.12	7,128.42	71.70	100.416	
13,600.00	12,550.09	13,782.11	12,718.09	37.60	43.20	-90.72	895.73	-7,014.46	7,200.14	7,126.94	73.20	98.357	
13,700.00	12,550.09	13,882.11	12,718.09	37.72	43.70	-90.72	995.72	-7,015.33	7,200.16	7,125.33	74.82	96.230	
13,800.00	12,550.08	13,982.11	12,718.09	37.93	44.26	-90.72	1,095.72	-7,016.21	7,200.17	7,123.62	76.55	94.058	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,550.08	14,082.11	12,718.08	38.31	44.90	-90.72	1,195.72	-7,017.09	7,200.19	7,121.81	78.38	91.862	
14,000.00	12,550.08	14,182.11	12,718.08	38.97	45.60	-90.72	1,295.71	-7,017.97	7,200.20	7,119.90	80.31	89.658	
14,100.00	12,550.08	14,282.11	12,718.08	39.82	46.38	-90.72	1,395.71	-7,018.84	7,200.22	7,117.90	82.32	87.464	
14,200.00	12,550.07	14,382.11	12,718.08	40.77	47.22	-90.72	1,495.70	-7,019.72	7,200.23	7,115.81	84.42	85.291	
14,300.00	12,550.07	14,482.11	12,718.07	41.79	48.12	-90.72	1,595.70	-7,020.60	7,200.25	7,113.65	86.59	83.149	
14,400.00	12,550.07	14,582.11	12,718.07	42.87	49.07	-90.72	1,695.70	-7,021.48	7,200.26	7,111.42	88.84	81.048	
14,500.00	12,550.07	14,682.11	12,718.07	43.98	50.08	-90.72	1,795.69	-7,022.35	7,200.28	7,109.13	91.15	78.993	
14,600.00	12,550.06	14,782.11	12,718.07	45.13	51.13	-90.72	1,895.69	-7,023.23	7,200.30	7,106.77	93.52	76.990	
14,700.00	12,550.06	14,882.11	12,718.06	46.31	52.23	-90.72	1,995.69	-7,024.11	7,200.31	7,104.36	95.95	75.042	
14,800.00	12,550.06	14,982.11	12,718.06	47.53	53.36	-90.72	2,095.68	-7,024.99	7,200.33	7,101.90	98.43	73.151	
14,900.00	12,550.06	15,082.11	12,718.06	48.77	54.53	-90.72	2,195.68	-7,025.86	7,200.34	7,099.38	100.96	71.320	
15,000.00	12,550.05	15,182.11	12,718.06	50.03	55.73	-90.72	2,295.67	-7,026.74	7,200.36	7,096.83	103.53	69.547	
15,100.00	12,550.05	15,282.11	12,718.06	51.32	56.95	-90.72	2,395.67	-7,027.62	7,200.37	7,094.23	106.15	67.834	
15,200.00	12,550.05	15,382.11	12,718.05	52.63	58.21	-90.72	2,495.67	-7,028.49	7,200.39	7,091.59	108.80	66.180	
15,300.00	12,550.05	15,482.11	12,718.05	53.96	59.48	-90.72	2,595.66	-7,029.37	7,200.40	7,088.92	111.49	64.584	
15,400.00	12,550.05	15,582.11	12,718.05	55.31	60.78	-90.72	2,695.66	-7,030.25	7,200.42	7,086.21	114.21	63.045	
15,500.00	12,550.04	15,682.11	12,718.05	56.67	62.10	-90.72	2,795.65	-7,031.13	7,200.44	7,083.47	116.96	61.562	
15,600.00	12,550.04	15,782.11	12,718.04	58.05	63.44	-90.72	2,895.65	-7,032.00	7,200.45	7,080.71	119.74	60.132	
15,700.00	12,550.04	15,882.11	12,718.04	59.45	64.79	-90.72	2,995.65	-7,032.88	7,200.47	7,077.91	122.55	58.754	
15,800.00	12,550.04	15,982.11	12,718.04	60.85	66.16	-90.72	3,095.64	-7,033.76	7,200.48	7,075.10	125.39	57.426	
15,900.00	12,550.03	16,082.11	12,718.04	62.27	67.55	-90.72	3,195.64	-7,034.64	7,200.50	7,072.26	128.24	56.147	
16,000.00	12,550.03	16,182.11	12,718.03	63.70	68.95	-90.72	3,295.64	-7,035.51	7,200.51	7,069.39	131.12	54.915	
16,100.00	12,550.03	16,282.11	12,718.03	65.15	70.36	-90.72	3,395.63	-7,036.39	7,200.53	7,066.51	134.02	53.727	
16,200.00	12,550.03	16,382.11	12,718.03	66.60	71.78	-90.72	3,495.63	-7,037.27	7,200.54	7,063.61	136.94	52.583	
16,300.00	12,550.02	16,482.11	12,718.03	68.06	73.21	-90.72	3,595.62	-7,038.14	7,200.56	7,060.69	139.87	51.479	
16,400.00	12,550.02	16,582.11	12,718.02	69.53	74.66	-90.72	3,695.62	-7,039.02	7,200.58	7,057.75	142.83	50.415	
16,500.00	12,550.02	16,682.11	12,718.02	71.01	76.11	-90.72	3,795.62	-7,039.90	7,200.59	7,054.80	145.79	49.389	
16,600.00	12,550.02	16,782.11	12,718.02	72.50	77.57	-90.72	3,895.61	-7,040.78	7,200.61	7,051.83	148.78	48.399	
16,700.00	12,550.01	16,882.11	12,718.02	73.99	79.04	-90.72	3,995.61	-7,041.65	7,200.62	7,048.85	151.77	47.443	
16,800.00	12,550.01	16,982.11	12,718.01	75.49	80.52	-90.72	4,095.60	-7,042.53	7,200.64	7,045.85	154.78	46.521	
16,900.00	12,550.01	17,082.11	12,718.01	77.00	82.01	-90.72	4,195.60	-7,043.41	7,200.65	7,042.85	157.81	45.630	
17,000.00	12,550.01	17,182.11	12,718.01	78.52	83.50	-90.72	4,295.60	-7,044.29	7,200.67	7,039.83	160.84	44.769	
17,100.00	12,550.00	17,282.11	12,718.01	80.03	85.00	-90.72	4,395.59	-7,045.16	7,200.69	7,036.80	163.89	43.937	
17,200.00	12,550.00	17,382.11	12,718.00	81.56	86.50	-90.72	4,495.59	-7,046.04	7,200.70	7,033.76	166.94	43.133	
17,295.25	12,550.00	17,477.36	12,718.00	83.02	87.94	-90.72	4,590.84	-7,046.88	7,200.72	7,030.86	169.86	42.392 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	57.00	57.00	0.00	0.07	-91.90	-118.00	-3,558.00	3,559.96				
100.00	100.00	157.00	157.00	0.13	0.33	-91.90	-118.00	-3,558.00	3,559.96	3,559.50	0.46	7,758.534	
200.00	200.00	257.00	257.00	0.49	0.69	-91.90	-118.00	-3,558.00	3,559.96	3,558.78	1.18	3,027.722	
300.00	300.00	357.00	357.00	0.84	1.05	-91.90	-118.00	-3,558.00	3,559.96	3,558.06	1.89	1,880.858	
400.00	400.00	457.00	457.00	1.20	1.41	-91.90	-118.00	-3,558.00	3,559.96	3,557.35	2.61	1,364.139	
500.00	500.00	557.00	557.00	1.56	1.77	-91.90	-118.00	-3,558.00	3,559.96	3,556.63	3.33	1,070.143	
600.00	600.00	657.00	657.00	1.92	2.12	-91.90	-118.00	-3,558.00	3,559.96	3,555.91	4.04	880.402	
700.00	700.00	757.00	757.00	2.28	2.48	-91.90	-118.00	-3,558.00	3,559.96	3,555.20	4.76	747.811	
702.48	702.48	759.48	759.48	2.29	2.49	-91.90	-118.00	-3,558.00	3,559.96	3,555.18	4.78	745.028 CC	
800.00	800.00	829.99	829.99	2.64	2.74	-91.90	-118.03	-3,558.11	3,560.17	3,554.80	5.38	662.082 ES	
900.00	900.00	900.00	899.99	3.00	2.98	-91.90	-118.38	-3,559.25	3,561.68	3,555.70	5.98	595.755	
1,000.00	1,000.00	935.15	935.12	3.35	3.10	-91.91	-118.69	-3,560.29	3,564.35	3,557.90	6.45	552.200	
1,100.00	1,100.00	1,000.00	999.91	3.71	3.33	-91.92	-119.51	-3,563.01	3,568.48	3,561.44	7.03	507.502	
1,200.00	1,200.00	1,040.11	1,039.95	4.07	3.46	-91.93	-120.18	-3,565.22	3,573.85	3,566.32	7.52	475.040	
1,300.00	1,300.00	1,100.00	1,099.69	4.43	3.67	-91.95	-121.40	-3,569.27	3,580.60	3,572.51	8.08	443.000	
1,400.00	1,400.00	1,144.70	1,144.24	4.79	3.83	-91.96	-122.48	-3,572.88	3,588.64	3,580.05	8.59	417.856	
1,500.00	1,500.00	1,206.08	1,193.22	5.15	4.05	-91.98	-123.85	-3,577.43	3,598.01	3,588.86	9.15	393.225	
1,600.00	1,600.00	1,293.37	1,292.13	5.50	4.37	-92.03	-126.85	-3,587.38	3,608.12	3,598.31	9.81	367.713	
1,700.00	1,700.00	1,407.18	1,391.03	5.86	4.79	-92.07	-129.85	-3,597.33	3,618.23	3,607.66	10.57	342.290	
1,800.00	1,800.00	1,507.73	1,489.94	6.22	5.16	-92.11	-132.85	-3,607.29	3,628.35	3,617.06	11.28	321.526	
1,900.00	1,900.00	1,608.27	1,588.85	6.58	5.54	-92.15	-135.84	-3,617.24	3,638.47	3,626.46	12.00	303.189	
2,000.00	2,000.00	1,708.82	1,687.76	6.94	5.92	-92.19	-138.84	-3,627.20	3,648.58	3,635.87	12.72	286.884	
2,100.00	2,100.00	1,809.37	1,786.66	7.30	6.30	-92.23	-141.84	-3,637.15	3,658.71	3,645.27	13.44	272.296	
2,200.00	2,200.00	1,909.92	1,885.57	7.66	6.69	-92.27	-144.84	-3,647.10	3,668.83	3,654.67	14.16	259.170	
2,300.00	2,300.00	1,989.53	1,984.48	8.01	7.00	-92.31	-147.84	-3,657.06	3,678.95	3,664.15	14.80	248.567	
2,400.00	2,400.00	2,088.99	2,083.39	8.37	7.38	-92.36	-150.83	-3,667.01	3,689.08	3,673.56	15.52	237.735	
2,500.00	2,500.00	2,188.44	2,182.29	8.73	7.76	-92.40	-153.83	-3,676.97	3,699.21	3,682.97	16.24	227.851	
2,600.00	2,600.00	2,287.89	2,281.20	9.09	8.15	-92.44	-156.83	-3,686.92	3,709.34	3,692.39	16.95	218.797	
2,700.00	2,700.00	2,387.34	2,380.11	9.45	8.54	-92.48	-159.83	-3,696.87	3,719.47	3,701.80	17.67	210.474	
2,800.00	2,800.00	2,486.80	2,479.02	9.81	8.92	-92.52	-162.83	-3,706.83	3,729.60	3,711.21	18.39	202.797	
2,900.00	2,900.00	2,586.25	2,577.92	10.16	9.31	-92.55	-165.83	-3,716.78	3,739.74	3,720.63	19.11	195.694	
3,000.00	3,000.00	2,685.70	2,676.83	10.52	9.70	-92.59	-168.82	-3,726.73	3,749.88	3,730.05	19.83	189.103	
3,100.00	3,100.00	2,785.15	2,775.74	10.88	10.09	-92.63	-171.82	-3,736.69	3,760.02	3,739.47	20.55	182.972	
3,200.00	3,200.00	2,884.60	2,874.65	11.24	10.48	-92.67	-174.82	-3,746.64	3,770.16	3,748.89	21.27	177.254	
3,300.00	3,300.00	2,984.06	2,973.55	11.60	10.87	-92.71	-177.82	-3,756.60	3,780.30	3,758.31	21.99	171.909	
3,400.00	3,400.00	3,083.51	3,072.46	11.96	11.26	-92.75	-180.82	-3,766.55	3,790.44	3,767.73	22.71	166.901	
3,500.00	3,500.00	3,182.96	3,171.37	12.32	11.65	-92.79	-183.81	-3,776.50	3,800.59	3,777.16	23.43	162.201	
3,600.00	3,600.00	3,282.41	3,270.28	12.67	12.04	-92.82	-186.81	-3,786.46	3,810.74	3,786.59	24.15	157.780	
3,700.00	3,700.00	3,381.87	3,369.18	13.03	12.43	-92.86	-189.81	-3,796.41	3,820.89	3,796.01	24.87	153.615	
3,800.00	3,800.00	3,481.32	3,468.09	13.39	12.82	-92.90	-192.81	-3,806.37	3,831.04	3,805.44	25.59	149.683	
3,900.00	3,900.00	3,580.77	3,567.00	13.75	13.21	-92.94	-195.81	-3,816.32	3,841.19	3,814.87	26.32	145.966	
4,000.00	4,000.00	3,680.22	3,665.90	14.11	13.60	-92.97	-198.81	-3,826.27	3,851.34	3,824.31	27.04	142.448	
4,100.00	4,100.00	3,779.67	3,764.81	14.47	13.99	-93.01	-201.80	-3,836.23	3,861.50	3,833.74	27.76	139.111	
4,200.00	4,200.00	3,879.13	3,863.72	14.82	14.38	-93.05	-204.80	-3,846.18	3,871.66	3,843.18	28.48	135.944	
4,300.00	4,300.00	3,978.58	3,962.63	15.18	14.78	-93.08	-207.80	-3,856.13	3,881.82	3,852.61	29.20	132.932	
4,400.00	4,400.00	4,078.03	4,061.53	15.54	15.17	-93.12	-210.80	-3,866.09	3,891.98	3,862.05	29.92	130.066	
4,500.00	4,500.00	4,177.48	4,160.44	15.90	15.56	-93.16	-213.80	-3,876.04	3,902.14	3,871.49	30.64	127.334	
4,600.00	4,600.00	4,276.94	4,259.35	16.26	15.95	-93.19	-216.79	-3,886.00	3,912.30	3,880.93	31.37	124.728	
4,700.00	4,700.00	4,376.39	4,358.26	16.62	16.34	-93.23	-219.79	-3,895.95	3,922.47	3,890.38	32.09	122.239	
4,800.00	4,800.00	4,475.84	4,457.16	16.98	16.74	-93.26	-222.79	-3,905.90	3,932.63	3,899.82	32.81	119.859	
4,900.00	4,899.99	4,575.25	4,556.03	17.32	17.13	117.15	-225.79	-3,915.85	3,943.40	3,909.88	33.51	117.661	
5,000.00	4,999.91	4,674.52	4,654.76	17.64	17.52	117.01	-228.78	-3,925.79	3,955.35	3,921.14	34.20	115.644	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	5,099.69	4,773.60	4,753.29	17.97	17.91	116.88	-231.77	-3,935.71	3,968.48	3,933.59	34.89	113.740	
5,133.33	5,132.91	4,806.56	4,786.08	18.08	18.04	116.84	-232.76	-3,939.01	3,973.12	3,938.00	35.12	113.129	
5,200.00	5,199.32	4,872.47	4,851.62	18.30	18.30	116.89	-234.75	-3,945.60	3,982.53	3,946.95	35.58	111.934	
5,300.00	5,298.94	4,971.32	4,949.93	18.63	18.69	116.97	-237.73	-3,955.50	3,996.65	3,960.38	36.27	110.193	
5,400.00	5,398.56	5,070.18	5,048.25	18.96	19.08	117.04	-240.71	-3,965.39	4,010.78	3,973.82	36.96	108.512	
5,500.00	5,498.18	5,169.04	5,146.56	19.13	19.47	117.12	-243.69	-3,975.28	4,024.91	3,987.41	37.50	107.320	
5,600.00	5,597.80	5,267.89	5,244.88	19.14	19.86	117.20	-246.67	-3,985.18	4,039.06	4,001.18	37.88	106.627	
5,700.00	5,697.42	5,366.75	5,343.19	19.16	20.26	117.27	-249.65	-3,995.07	4,053.21	4,014.94	38.26	105.927	
5,800.00	5,797.04	5,465.60	5,441.51	19.19	20.53	117.34	-252.63	-4,004.97	4,067.36	4,028.83	38.54	105.545	
5,900.00	5,896.66	5,564.46	5,539.82	19.22	20.65	117.42	-255.61	-4,014.86	4,081.53	4,042.88	38.64	105.622	
6,000.00	5,996.28	5,663.32	5,638.14	19.26	20.71	117.49	-258.59	-4,024.76	4,095.69	4,056.99	38.70	105.831	
6,100.00	6,095.90	5,762.17	5,736.45	19.31	20.78	117.56	-261.57	-4,034.65	4,109.87	4,071.10	38.77	106.001	
6,200.00	6,195.52	5,861.03	5,834.77	19.37	20.85	117.63	-264.55	-4,044.54	4,124.05	4,085.19	38.86	106.132	
6,300.00	6,295.14	5,959.89	5,933.08	19.44	20.93	117.71	-267.53	-4,054.44	4,138.24	4,099.28	38.96	106.225	
6,400.00	6,394.76	6,058.74	6,031.39	19.51	21.02	117.78	-270.51	-4,064.33	4,152.44	4,113.36	39.07	106.278	
6,500.00	6,494.38	6,157.60	6,129.71	19.59	21.12	117.85	-273.49	-4,074.23	4,166.64	4,127.44	39.20	106.295	
6,600.00	6,594.00	6,256.45	6,228.02	19.68	21.22	117.92	-276.47	-4,084.12	4,180.84	4,141.50	39.34	106.274	
6,700.00	6,693.62	6,355.31	6,326.34	19.77	21.33	117.99	-279.45	-4,094.01	4,195.06	4,155.56	39.50	106.217	
6,800.00	6,793.24	6,454.17	6,424.65	19.87	21.45	118.06	-282.43	-4,103.91	4,209.28	4,169.61	39.66	106.125	
6,900.00	6,892.85	6,553.02	6,522.97	19.98	21.57	118.13	-285.41	-4,113.80	4,223.50	4,183.66	39.85	105.998	
7,000.00	6,992.47	6,651.88	6,621.28	20.10	21.70	118.19	-288.39	-4,123.70	4,237.73	4,197.69	40.04	105.838	
7,100.00	7,092.09	6,750.74	6,719.60	20.22	21.84	118.26	-291.37	-4,133.59	4,251.97	4,211.72	40.25	105.646	
7,200.00	7,191.71	6,849.59	6,817.91	20.35	21.98	118.33	-294.35	-4,143.49	4,266.21	4,225.75	40.47	105.424	
7,300.00	7,291.33	6,948.45	6,916.23	20.48	22.13	118.40	-297.33	-4,153.38	4,280.46	4,239.76	40.70	105.171	
7,400.00	7,390.95	7,047.30	7,014.54	20.63	22.28	118.46	-300.31	-4,163.27	4,294.72	4,253.77	40.94	104.890	
7,500.00	7,490.57	7,146.16	7,112.86	20.77	22.44	118.53	-303.29	-4,173.17	4,308.98	4,267.77	41.20	104.582	
7,600.00	7,590.19	7,245.02	7,211.17	20.93	22.61	118.59	-306.27	-4,183.06	4,323.24	4,281.77	41.47	104.248	
7,700.00	7,689.81	7,343.87	7,309.48	21.09	22.78	118.66	-309.25	-4,192.96	4,337.51	4,295.76	41.75	103.890	
7,800.00	7,789.43	7,442.73	7,407.80	21.25	22.95	118.72	-312.23	-4,202.85	4,351.79	4,309.75	42.04	103.509	
7,900.00	7,889.05	7,541.58	7,506.11	21.42	23.14	118.79	-315.21	-4,212.75	4,366.07	4,323.73	42.35	103.106	
8,000.00	7,988.67	7,640.44	7,604.43	21.60	23.32	118.85	-318.19	-4,222.64	4,380.36	4,337.70	42.66	102.683	
8,100.00	8,088.29	7,739.30	7,702.74	21.78	23.51	118.92	-321.17	-4,232.53	4,394.65	4,351.67	42.98	102.240	
8,200.00	8,187.91	7,838.15	7,801.06	21.97	23.71	118.98	-324.15	-4,242.43	4,408.95	4,365.63	43.32	101.780	
8,300.00	8,287.53	7,937.01	7,899.37	22.16	23.91	119.04	-327.13	-4,252.32	4,423.25	4,379.59	43.66	101.304	
8,400.00	8,387.15	8,035.87	7,997.69	22.36	24.12	119.10	-330.11	-4,262.22	4,437.56	4,393.54	44.02	100.812	
8,500.00	8,486.77	8,134.72	8,096.00	22.56	24.33	119.16	-333.09	-4,272.11	4,451.87	4,407.49	44.38	100.306	
8,600.00	8,586.39	8,233.58	8,194.32	22.77	24.55	119.23	-336.07	-4,282.00	4,466.19	4,421.44	44.76	99.788	
8,700.00	8,686.01	8,783.16	8,743.01	22.98	25.56	119.68	-343.00	-4,305.00	4,470.98	4,425.03	45.95	97.295	
8,800.00	8,785.62	8,882.78	8,842.62	23.20	25.72	119.78	-343.00	-4,305.00	4,475.31	4,428.97	46.34	96.577	
8,900.00	8,885.24	8,982.40	8,942.24	23.42	25.88	119.87	-343.00	-4,305.00	4,479.66	4,432.92	46.73	95.853	
9,000.00	8,984.86	9,082.02	9,041.86	23.65	26.05	119.97	-343.00	-4,305.00	4,484.02	4,436.88	47.14	95.125	
9,100.00	9,084.48	9,181.64	9,141.48	23.88	26.22	120.07	-343.00	-4,305.00	4,488.39	4,440.84	47.55	94.394	
9,197.75	9,181.86	9,279.02	9,238.86	24.10	26.39	120.16	-343.00	-4,305.00	4,492.68	4,444.72	47.96	93.677	
9,200.00	9,184.10	9,281.26	9,241.10	24.11	26.39	120.16	-343.00	-4,305.00	4,492.78	4,444.81	47.97	93.661	
9,300.00	9,283.83	9,380.98	9,340.83	24.34	26.57	120.29	-343.00	-4,305.00	4,496.49	4,448.09	48.39	92.920	
9,400.00	9,383.71	9,480.87	9,440.71	24.57	26.75	120.37	-343.00	-4,305.00	4,498.88	4,450.07	48.81	92.169	
9,500.00	9,483.69	9,580.84	9,540.69	24.78	26.94	120.41	-343.00	-4,305.00	4,499.95	4,450.72	49.23	91.407	
9,531.09	9,514.78	9,611.93	9,571.78	24.85	27.00	-90.17	-343.00	-4,305.00	4,500.02	4,450.66	49.36	91.175	
9,600.00	9,583.69	9,680.84	9,640.69	24.98	27.13	-90.17	-343.00	-4,305.00	4,500.02	4,450.39	49.63	90.672	
9,700.00	9,683.69	9,780.84	9,740.69	25.17	27.32	-90.17	-343.00	-4,305.00	4,500.02	4,449.99	50.03	89.943	
9,800.00	9,783.69	9,880.84	9,840.69	25.37	27.52	-90.17	-343.00	-4,305.00	4,500.02	4,449.58	50.44	89.212	
9,900.00	9,883.69	9,980.84	9,940.69	25.57	27.71	-90.17	-343.00	-4,305.00	4,500.02	4,449.16	50.86	88.482	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	9,983.69	10,080.84	10,040.69	25.77	27.92	-90.17	-343.00	-4,305.00	4,500.02	4,448.74	51.28	87.752	
10,100.00	10,083.69	10,180.84	10,140.69	25.98	28.12	-90.17	-343.00	-4,305.00	4,500.02	4,448.31	51.71	87.023	
10,200.00	10,183.69	10,280.84	10,240.69	26.19	28.33	-90.17	-343.00	-4,305.00	4,500.02	4,447.87	52.15	86.296	
10,300.00	10,283.69	10,380.84	10,340.69	26.41	28.54	-90.17	-343.00	-4,305.00	4,500.02	4,447.43	52.59	85.570	
10,400.00	10,383.69	10,480.84	10,440.69	26.62	28.76	-90.17	-343.00	-4,305.00	4,500.02	4,446.98	53.04	84.847	
10,500.00	10,483.69	10,580.84	10,540.69	26.84	28.97	-90.17	-343.00	-4,305.00	4,500.02	4,446.53	53.49	84.128	
10,600.00	10,583.69	10,680.84	10,640.69	27.07	29.19	-90.17	-343.00	-4,305.00	4,500.02	4,446.07	53.95	83.411	
10,700.00	10,683.69	10,780.84	10,740.69	27.29	29.41	-90.17	-343.00	-4,305.00	4,500.02	4,445.60	54.42	82.698	
10,800.00	10,783.69	10,880.84	10,840.69	27.52	29.64	-90.17	-343.00	-4,305.00	4,500.02	4,445.13	54.89	81.989	
10,900.00	10,883.69	10,980.84	10,940.69	27.75	29.87	-90.17	-343.00	-4,305.00	4,500.02	4,444.66	55.36	81.284	
11,000.00	10,983.69	11,080.84	11,040.69	27.99	30.10	-90.17	-343.00	-4,305.00	4,500.02	4,444.18	55.84	80.584	
11,100.00	11,083.69	11,180.84	11,140.69	28.23	30.33	-90.17	-343.00	-4,305.00	4,500.02	4,443.69	56.33	79.889	
11,200.00	11,183.69	11,280.84	11,240.69	28.46	30.57	-90.17	-343.00	-4,305.00	4,500.02	4,443.20	56.82	79.199	
11,300.00	11,283.69	11,380.84	11,340.69	28.71	30.80	-90.17	-343.00	-4,305.00	4,500.02	4,442.70	57.32	78.514	
11,400.00	11,383.69	11,480.84	11,440.69	28.95	31.04	-90.17	-343.00	-4,305.00	4,500.02	4,442.20	57.82	77.834	
11,500.00	11,483.69	11,580.84	11,540.69	29.20	31.29	-90.17	-343.00	-4,305.00	4,500.02	4,441.70	58.32	77.161	
11,600.00	11,583.69	11,680.84	11,640.69	29.45	31.53	-90.17	-343.00	-4,305.00	4,500.02	4,441.19	58.83	76.493	
11,700.00	11,683.69	11,780.84	11,740.69	29.70	31.78	-90.17	-343.00	-4,305.00	4,500.02	4,440.68	59.34	75.831	
11,800.00	11,783.69	11,880.84	11,840.69	29.95	32.03	-90.17	-343.00	-4,305.00	4,500.02	4,440.16	59.86	75.175	
11,802.64	11,786.33	11,883.48	11,843.33	29.96	32.03	-90.17	-343.00	-4,305.00	4,500.02	4,440.14	59.87	75.158	
11,900.00	11,883.69	11,980.26	11,940.09	30.21	32.27	-90.16	-342.21	-4,305.00	4,500.02	4,439.64	60.38	74.530	
11,983.31	11,967.00	12,060.70	12,019.86	30.42	32.46	-90.03	-332.37	-4,305.06	4,500.06	4,439.26	60.79	74.022	
12,000.00	11,983.69	12,076.44	12,035.27	30.46	32.49	-89.59	-329.14	-4,305.07	4,500.07	4,439.20	60.87	73.926	
12,050.00	12,033.54	12,123.15	12,080.38	30.59	32.59	-89.47	-317.08	-4,305.14	4,500.13	4,439.03	61.10	73.652	
12,100.00	12,082.88	12,169.21	12,123.76	30.70	32.68	-89.36	-301.63	-4,305.22	4,500.19	4,438.88	61.31	73.400	
12,150.00	12,131.35	12,214.68	12,165.23	30.80	32.76	-89.25	-283.02	-4,305.31	4,500.26	4,438.76	61.51	73.169	
12,200.00	12,178.56	12,259.59	12,204.61	30.90	32.83	-89.15	-261.45	-4,305.43	4,500.34	4,438.65	61.69	72.956	
12,250.00	12,224.16	12,304.00	12,241.78	30.98	32.90	-89.05	-237.16	-4,305.55	4,500.41	4,438.56	61.85	72.758	
12,300.00	12,267.81	12,347.96	12,276.61	31.06	32.96	-88.97	-210.36	-4,305.69	4,500.49	4,438.47	62.01	72.572	
12,350.00	12,309.16	12,391.51	12,308.99	31.13	33.01	-88.88	-181.25	-4,305.85	4,500.56	4,438.39	62.17	72.394	
12,400.00	12,347.92	12,434.70	12,338.82	31.19	33.06	-88.81	-150.04	-4,306.01	4,500.62	4,438.30	62.32	72.219	
12,450.00	12,383.77	12,477.57	12,366.02	31.25	33.10	-88.74	-116.92	-4,306.18	4,500.67	4,438.20	62.47	72.044	
12,500.00	12,416.45	12,520.15	12,390.52	31.31	33.14	-88.68	-82.10	-4,306.37	4,500.71	4,438.09	62.63	71.865	
12,550.00	12,445.71	12,562.49	12,412.25	31.37	33.18	-88.64	-45.77	-4,306.56	4,500.74	4,437.95	62.79	71.677	
12,600.00	12,471.33	12,604.63	12,431.15	31.43	33.22	-88.60	-8.12	-4,306.75	4,500.75	4,437.78	62.97	71.478	
12,650.00	12,493.11	12,646.61	12,447.18	31.51	33.27	-88.56	30.66	-4,306.96	4,500.74	4,437.59	63.16	71.265	
12,700.00	12,510.88	12,688.45	12,460.29	31.60	33.32	-88.54	70.39	-4,307.16	4,500.72	4,437.36	63.36	71.034	
12,750.00	12,524.52	12,730.20	12,470.45	31.70	36.52	-88.53	110.88	-4,307.38	4,500.67	4,437.11	63.56	70.805	
12,783.31	12,531.25	12,759.55	12,475.88	37.07	38.64	-88.53	139.71	-4,307.53	4,500.63	4,436.95	63.68	70.676	
12,808.31	12,535.59	12,782.86	12,479.90	37.09	38.66	-88.53	162.68	-4,307.65	4,500.59	4,436.84	63.75	70.598	
12,850.00	12,541.94	12,817.07	12,484.97	37.11	38.69	-88.53	196.50	-4,307.84	4,500.53	4,436.65	63.88	70.452	
12,900.00	12,547.16	12,858.10	12,489.44	37.13	38.73	-88.53	237.28	-4,308.11	4,500.48	4,436.41	64.07	70.245	
12,950.00	12,549.78	12,899.14	12,492.15	37.16	38.78	-88.54	278.23	-4,308.42	4,500.43	4,436.14	64.29	70.000	
12,975.01	12,550.10	12,919.68	12,492.85	37.17	38.80	-88.55	298.75	-4,308.59	4,500.41	4,435.99	64.42	69.861	
12,996.32	12,550.10	12,947.60	12,493.11	37.18	38.83	-88.55	315.24	-4,308.73	4,500.40	4,435.83	64.57	69.700	
13,000.00	12,550.10	12,943.91	12,493.11	37.19	38.83	-88.55	318.92	-4,308.76	4,500.40	4,435.83	64.57	69.703	
13,100.00	12,550.10	13,039.85	12,493.10	37.24	38.95	-88.55	418.92	-4,309.65	4,500.43	4,435.17	65.25	68.970	
13,200.00	12,550.10	13,139.85	12,493.10	37.30	39.10	-88.55	518.91	-4,310.54	4,500.45	4,434.35	66.10	68.084	
13,300.00	12,550.10	13,239.85	12,493.10	37.36	39.27	-88.55	618.91	-4,311.43	4,500.48	4,433.37	67.10	67.067	
13,400.00	12,550.09	13,339.85	12,493.10	37.43	39.48	-88.55	718.91	-4,312.32	4,500.51	4,432.25	68.25	65.937	
13,500.00	12,550.09	13,439.85	12,493.09	37.51	39.74	-88.55	818.90	-4,313.21	4,500.53	4,430.99	69.54	64.715	
13,600.00	12,550.09	13,539.85	12,493.09	37.60	40.04	-88.55	918.90	-4,314.10	4,500.56	4,429.60	70.96	63.419	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	12,550.09	13,639.85	12,493.09	37.72	40.42	-88.55	1,018.89	-4,314.98	4,500.59	4,428.08	72.51	62.068	
13,800.00	12,550.08	13,739.85	12,493.09	37.93	40.86	-88.55	1,118.89	-4,315.87	4,500.61	4,426.44	74.17	60.679	
13,900.00	12,550.08	13,839.85	12,493.08	38.31	41.39	-88.55	1,218.89	-4,316.76	4,500.64	4,424.70	75.94	59.265	
14,000.00	12,550.08	13,939.85	12,493.08	38.97	42.02	-88.55	1,318.88	-4,317.65	4,500.67	4,422.86	77.81	57.840	
14,100.00	12,550.08	14,039.85	12,493.08	39.82	42.73	-88.55	1,418.88	-4,318.54	4,500.70	4,420.92	79.78	56.415	
14,200.00	12,550.07	14,139.85	12,493.08	40.77	43.53	-88.55	1,518.87	-4,319.43	4,500.72	4,418.89	81.83	55.000	
14,300.00	12,550.07	14,239.85	12,493.07	41.79	44.40	-88.55	1,618.87	-4,320.32	4,500.75	4,416.79	83.96	53.603	
14,400.00	12,550.07	14,339.85	12,493.07	42.87	45.34	-88.55	1,718.87	-4,321.21	4,500.78	4,414.60	86.17	52.229	
14,500.00	12,550.07	14,439.85	12,493.07	43.98	46.35	-88.55	1,818.86	-4,322.10	4,500.80	4,412.35	88.45	50.885	
14,600.00	12,550.06	14,539.85	12,493.07	45.13	47.40	-88.55	1,918.86	-4,322.98	4,500.83	4,410.04	90.79	49.572	
14,700.00	12,550.06	14,639.85	12,493.06	46.31	48.51	-88.55	2,018.86	-4,323.87	4,500.86	4,407.66	93.19	48.295	
14,800.00	12,550.06	14,739.85	12,493.06	47.53	49.65	-88.55	2,118.85	-4,324.76	4,500.88	4,405.23	95.65	47.055	
14,900.00	12,550.06	14,839.85	12,493.06	48.77	50.83	-88.55	2,218.85	-4,325.65	4,500.91	4,402.75	98.16	45.854	
15,000.00	12,550.05	14,939.85	12,493.06	50.03	52.04	-88.55	2,318.84	-4,326.54	4,500.94	4,400.23	100.71	44.691	
15,100.00	12,550.05	15,039.85	12,493.05	51.32	53.28	-88.55	2,418.84	-4,327.43	4,500.97	4,397.66	103.31	43.568	
15,200.00	12,550.05	15,139.85	12,493.05	52.63	54.55	-88.55	2,518.84	-4,328.32	4,500.99	4,395.05	105.95	42.484	
15,300.00	12,550.05	15,239.85	12,493.05	53.96	55.84	-88.55	2,618.83	-4,329.21	4,501.02	4,392.40	108.62	41.438	
15,400.00	12,550.05	15,339.85	12,493.05	55.31	57.16	-88.55	2,718.83	-4,330.09	4,501.05	4,389.72	111.33	40.430	
15,500.00	12,550.04	15,439.85	12,493.04	56.67	58.49	-88.55	2,818.82	-4,330.98	4,501.07	4,387.00	114.07	39.458	
15,600.00	12,550.04	15,539.85	12,493.04	58.05	59.84	-88.55	2,918.82	-4,331.87	4,501.10	4,384.26	116.84	38.523	
15,700.00	12,550.04	15,639.85	12,493.04	59.45	61.21	-88.55	3,018.82	-4,332.76	4,501.13	4,381.49	119.64	37.622	
15,800.00	12,550.04	15,739.85	12,493.04	60.85	62.60	-88.55	3,118.81	-4,333.65	4,501.16	4,378.69	122.47	36.754	
15,900.00	12,550.03	15,839.85	12,493.03	62.27	63.99	-88.55	3,218.81	-4,334.54	4,501.18	4,375.87	125.32	35.919	
16,000.00	12,550.03	15,939.85	12,493.03	63.70	65.41	-88.55	3,318.80	-4,335.43	4,501.21	4,373.02	128.19	35.114	
16,100.00	12,550.03	16,039.85	12,493.03	65.15	66.83	-88.55	3,418.80	-4,336.32	4,501.24	4,370.16	131.08	34.339	
16,200.00	12,550.03	16,139.85	12,493.03	66.60	68.26	-88.55	3,518.80	-4,337.20	4,501.26	4,367.27	133.99	33.593	
16,300.00	12,550.02	16,239.85	12,493.02	68.06	69.71	-88.55	3,618.79	-4,338.09	4,501.29	4,364.37	136.92	32.874	
16,400.00	12,550.02	16,339.85	12,493.02	69.53	71.16	-88.55	3,718.79	-4,338.98	4,501.32	4,361.44	139.87	32.182	
16,500.00	12,550.02	16,439.85	12,493.02	71.01	72.63	-88.55	3,818.78	-4,339.87	4,501.34	4,358.51	142.84	31.514	
16,600.00	12,550.02	16,539.85	12,493.02	72.50	74.10	-88.55	3,918.78	-4,340.76	4,501.37	4,355.55	145.82	30.870	
16,700.00	12,550.01	16,639.85	12,493.02	73.99	75.58	-88.55	4,018.78	-4,341.65	4,501.40	4,352.59	148.81	30.249	
16,800.00	12,550.01	16,739.85	12,493.01	75.49	77.07	-88.55	4,118.77	-4,342.54	4,501.43	4,349.61	151.82	29.650	
16,900.00	12,550.01	16,839.85	12,493.01	77.00	78.57	-88.55	4,218.77	-4,343.43	4,501.45	4,346.61	154.84	29.072	
17,000.00	12,550.01	16,939.85	12,493.01	78.52	80.07	-88.55	4,318.76	-4,344.31	4,501.48	4,343.61	157.87	28.514	
17,100.00	12,550.00	17,039.85	12,493.01	80.03	81.58	-88.55	4,418.76	-4,345.20	4,501.51	4,340.59	160.91	27.975	
17,200.00	12,550.00	17,139.85	12,493.00	81.56	83.09	-88.55	4,518.76	-4,346.09	4,501.53	4,337.57	163.97	27.454	
17,295.25	12,550.00	17,235.10	12,493.00	83.02	84.54	-88.55	4,614.00	-4,346.94	4,501.56	4,334.67	166.88	26.974 SF	

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	25.00	25.00	0.00	0.03	-93.56	-99.00	-1,590.00	1,593.08				
100.00	100.00	125.00	125.00	0.13	0.22	-93.56	-99.00	-1,590.00	1,593.08	1,592.73	0.34	4,629.254	
200.00	200.00	225.00	225.00	0.49	0.58	-93.56	-99.00	-1,590.00	1,593.08	1,592.02	1.06	1,501.381	
300.00	300.00	325.00	325.00	0.84	0.93	-93.56	-99.00	-1,590.00	1,593.08	1,591.30	1.78	895.985	
400.00	400.00	425.00	425.00	1.20	1.29	-93.56	-99.00	-1,590.00	1,593.08	1,590.58	2.49	638.518	
500.00	500.00	525.00	525.00	1.56	1.65	-93.56	-99.00	-1,590.00	1,593.08	1,589.87	3.21	495.992	
505.56	505.56	530.56	530.56	1.58	1.67	-93.56	-99.00	-1,590.00	1,593.08	1,589.83	3.25	489.917	CC
600.00	600.00	617.73	617.73	1.92	1.98	-93.56	-99.01	-1,590.04	1,593.14	1,589.24	3.90	408.396	ES
700.00	700.00	688.64	688.63	2.28	2.23	-93.57	-99.25	-1,591.00	1,594.51	1,590.00	4.51	353.867	
800.00	800.00	759.48	759.43	2.64	2.47	-93.58	-99.81	-1,593.23	1,597.70	1,592.59	5.11	312.898	
900.00	900.00	830.21	830.07	3.00	2.72	-93.61	-100.69	-1,596.73	1,602.71	1,597.01	5.70	280.948	
1,000.00	1,000.00	900.00	899.69	3.35	2.96	-93.64	-101.87	-1,601.42	1,609.54	1,603.24	6.30	255.507	
1,100.00	1,100.00	971.16	970.58	3.71	3.22	-93.68	-103.39	-1,607.48	1,618.18	1,611.28	6.90	234.536	
1,200.00	1,200.00	1,041.28	1,040.30	4.07	3.47	-93.73	-105.21	-1,614.69	1,628.62	1,621.13	7.49	217.327	
1,300.00	1,300.00	1,129.89	1,128.26	4.43	3.81	-93.80	-107.82	-1,625.09	1,640.50	1,632.34	8.16	201.030	
1,400.00	1,400.00	1,229.14	1,226.77	4.79	4.18	-93.87	-110.77	-1,636.82	1,652.49	1,643.62	8.87	186.305	
1,500.00	1,500.00	1,328.40	1,325.29	5.15	4.57	-93.95	-113.72	-1,648.55	1,664.49	1,654.91	9.58	173.714	
1,600.00	1,600.00	1,427.65	1,423.80	5.50	4.95	-94.02	-116.67	-1,660.28	1,676.49	1,666.19	10.30	162.831	
1,700.00	1,700.00	1,526.91	1,522.32	5.86	5.34	-94.09	-119.61	-1,672.01	1,688.49	1,677.48	11.01	153.343	
1,800.00	1,800.00	1,626.16	1,620.83	6.22	5.73	-94.16	-122.56	-1,683.74	1,700.50	1,688.77	11.73	144.998	
1,900.00	1,900.00	1,725.42	1,719.35	6.58	6.13	-94.23	-125.51	-1,695.47	1,712.50	1,700.06	12.45	137.605	
2,000.00	2,000.00	1,824.67	1,817.86	6.94	6.52	-94.30	-128.46	-1,707.20	1,724.51	1,711.35	13.16	131.011	
2,100.00	2,100.00	1,923.93	1,916.38	7.30	6.92	-94.37	-131.41	-1,718.93	1,736.53	1,722.65	13.88	125.094	
2,200.00	2,200.00	2,023.18	2,014.89	7.66	7.32	-94.44	-134.36	-1,730.67	1,748.54	1,733.94	14.60	119.755	
2,300.00	2,300.00	2,122.43	2,113.41	8.01	7.72	-94.51	-137.31	-1,742.40	1,760.56	1,745.24	15.32	114.914	
2,400.00	2,400.00	2,221.69	2,211.92	8.37	8.12	-94.57	-140.26	-1,754.13	1,772.58	1,756.54	16.04	110.506	
2,500.00	2,500.00	2,320.94	2,310.43	8.73	8.52	-94.64	-143.20	-1,765.86	1,784.60	1,767.84	16.76	106.474	
2,600.00	2,600.00	2,420.20	2,408.95	9.09	8.92	-94.70	-146.15	-1,777.59	1,796.63	1,779.14	17.48	102.773	
2,700.00	2,700.00	2,519.45	2,507.46	9.45	9.32	-94.76	-149.10	-1,789.32	1,808.65	1,790.45	18.20	99.364	
2,800.00	2,800.00	2,618.71	2,605.98	9.81	9.72	-94.83	-152.05	-1,801.05	1,820.68	1,801.76	18.92	96.213	
2,900.00	2,900.00	2,717.96	2,704.49	10.16	10.12	-94.89	-155.00	-1,812.78	1,832.71	1,813.07	19.64	93.293	
3,000.00	3,000.00	2,817.22	2,803.01	10.52	10.52	-94.95	-157.95	-1,824.51	1,844.74	1,824.38	20.37	90.580	
3,100.00	3,100.00	2,916.47	2,901.52	10.88	10.93	-95.01	-160.90	-1,836.25	1,856.78	1,835.69	21.09	88.051	
3,200.00	3,200.00	3,015.73	3,000.04	11.24	11.33	-95.07	-163.85	-1,847.98	1,868.82	1,847.01	21.81	85.690	
3,300.00	3,300.00	3,114.98	3,098.55	11.60	11.73	-95.13	-166.80	-1,859.71	1,880.85	1,858.32	22.53	83.479	
3,400.00	3,400.00	3,214.24	3,197.07	11.96	12.14	-95.18	-169.74	-1,871.44	1,892.89	1,869.64	23.25	81.405	
3,500.00	3,500.00	3,313.49	3,295.58	12.32	12.54	-95.24	-172.69	-1,883.17	1,904.94	1,880.96	23.97	79.456	
3,600.00	3,600.00	3,412.74	3,394.10	12.67	12.94	-95.30	-175.64	-1,894.90	1,916.98	1,892.28	24.70	77.621	
3,700.00	3,700.00	3,512.00	3,492.61	13.03	13.35	-95.35	-178.59	-1,906.63	1,929.03	1,903.61	25.42	75.890	
3,800.00	3,800.00	3,611.25	3,591.13	13.39	13.75	-95.41	-181.54	-1,918.36	1,941.08	1,914.93	26.14	74.254	
3,900.00	3,900.00	3,710.51	3,689.64	13.75	14.15	-95.46	-184.49	-1,930.10	1,953.12	1,926.26	26.86	72.707	
4,000.00	4,000.00	3,809.76	3,788.16	14.11	14.56	-95.51	-187.44	-1,941.83	1,965.18	1,937.59	27.59	71.240	
4,100.00	4,100.00	3,909.02	3,886.67	14.47	14.96	-95.57	-190.39	-1,953.56	1,977.23	1,948.92	28.31	69.848	
4,200.00	4,200.00	4,008.27	3,985.19	14.82	15.37	-95.62	-193.33	-1,965.29	1,989.28	1,960.25	29.03	68.525	
4,300.00	4,300.00	4,107.53	4,083.70	15.18	15.77	-95.67	-196.28	-1,977.02	2,001.34	1,971.59	29.75	67.266	
4,400.00	4,400.00	4,206.78	4,182.22	15.54	16.18	-95.72	-199.23	-1,988.75	2,013.40	1,982.92	30.47	66.067	
4,500.00	4,500.00	4,306.04	4,280.73	15.90	16.58	-95.77	-202.18	-2,000.48	2,025.46	1,994.26	31.20	64.924	
4,600.00	4,600.00	4,405.29	4,379.25	16.26	16.99	-95.82	-205.13	-2,012.21	2,037.52	2,005.60	31.92	63.832	
4,700.00	4,700.00	4,504.55	4,477.76	16.62	17.39	-95.87	-208.08	-2,023.94	2,049.58	2,016.94	32.64	62.789	
4,800.00	4,800.00	4,603.80	4,576.27	16.98	17.80	-95.92	-211.03	-2,035.68	2,061.64	2,028.28	33.37	61.790	
4,900.00	4,899.99	4,703.00	4,674.73	17.32	18.20	114.47	-213.97	-2,047.40	2,074.25	2,040.18	34.07	60.881	
5,000.00	4,999.91	4,802.04	4,773.03	17.64	18.61	114.34	-216.92	-2,059.11	2,087.93	2,053.17	34.76	60.068	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,099.69	4,900.85	4,871.11	17.97	19.01	114.25	-219.85	-2,070.78	2,102.68	2,067.23	35.45	59.316	
5,133.33	5,132.91	4,933.73	4,903.74	18.08	19.14	114.23	-220.83	-2,074.67	2,107.84	2,072.16	35.68	59.078	
5,200.00	5,199.32	5,000.56	4,968.97	18.30	19.42	114.34	-222.78	-2,082.44	2,118.28	2,082.14	36.14	58.609	
5,300.00	5,298.94	5,101.98	5,066.81	18.63	19.83	114.51	-225.71	-2,094.09	2,133.95	2,097.10	36.85	57.917	
5,400.00	5,398.56	5,203.40	5,164.65	18.96	20.25	114.67	-228.64	-2,105.74	2,149.64	2,112.09	37.55	57.248	
5,500.00	5,498.18	5,295.17	5,262.49	19.13	20.62	114.83	-231.57	-2,117.39	2,165.34	2,127.27	38.07	56.880	
5,600.00	5,597.80	5,406.25	5,360.33	19.14	21.06	114.99	-234.50	-2,129.04	2,181.06	2,142.58	38.48	56.676	
5,700.00	5,697.42	5,507.68	5,458.17	19.16	21.29	115.15	-237.43	-2,140.69	2,196.80	2,158.12	38.68	56.794	
5,800.00	5,797.04	5,609.10	5,556.02	19.19	21.37	115.30	-240.35	-2,152.34	2,212.56	2,173.84	38.72	57.143	
5,900.00	5,896.66	5,689.47	5,653.86	19.22	21.44	115.46	-243.28	-2,163.99	2,228.33	2,189.56	38.77	57.476	
6,000.00	5,996.28	5,788.05	5,751.70	19.26	21.53	115.61	-246.21	-2,175.65	2,244.11	2,205.27	38.84	57.784	
6,100.00	6,095.90	5,886.63	5,849.54	19.31	21.62	115.75	-249.14	-2,187.30	2,259.91	2,220.99	38.92	58.070	
6,200.00	6,195.52	5,985.20	5,947.38	19.37	21.72	115.90	-252.07	-2,198.95	2,275.73	2,236.71	39.01	58.334	
6,300.00	6,295.14	6,083.78	6,045.22	19.44	21.83	116.04	-255.00	-2,210.60	2,291.55	2,252.43	39.12	58.576	
6,400.00	6,394.76	6,182.35	6,143.06	19.51	21.95	116.19	-257.93	-2,222.25	2,307.40	2,268.15	39.24	58.796	
6,500.00	6,494.38	6,280.93	6,240.90	19.59	22.07	116.33	-260.85	-2,233.90	2,323.25	2,283.87	39.38	58.994	
6,600.00	6,594.00	6,379.51	6,338.74	19.68	22.20	116.46	-263.78	-2,245.55	2,339.12	2,299.59	39.53	59.171	
6,700.00	6,693.62	6,478.08	6,436.59	19.77	22.34	116.60	-266.71	-2,257.20	2,355.00	2,315.31	39.70	59.326	
6,800.00	6,793.24	6,576.66	6,534.43	19.87	22.48	116.74	-269.64	-2,268.85	2,370.90	2,331.03	39.87	59.461	
6,900.00	6,892.85	6,675.23	6,632.27	19.98	22.63	116.87	-272.57	-2,280.50	2,386.81	2,346.74	40.06	59.575	
7,000.00	6,992.47	6,773.81	6,730.11	20.10	22.79	117.00	-275.50	-2,292.15	2,402.73	2,362.46	40.27	59.669	
7,100.00	7,092.09	6,872.38	6,827.95	20.22	22.95	117.13	-278.43	-2,303.81	2,418.66	2,378.18	40.48	59.744	
7,200.00	7,191.71	6,970.96	6,925.79	20.35	23.12	117.26	-281.36	-2,315.46	2,434.61	2,393.89	40.71	59.799	
7,300.00	7,291.33	7,069.54	7,023.63	20.48	23.29	117.38	-284.28	-2,327.11	2,450.56	2,409.61	40.95	59.836	
7,400.00	7,390.95	7,168.11	7,121.47	20.63	23.47	117.51	-287.21	-2,338.76	2,466.53	2,425.32	41.21	59.856	
7,500.00	7,490.57	7,266.69	7,219.31	20.77	23.65	117.63	-290.14	-2,350.41	2,482.51	2,441.04	41.47	59.858	
7,600.00	7,590.19	7,365.26	7,317.15	20.93	23.84	117.75	-293.07	-2,362.06	2,498.50	2,456.75	41.75	59.843	
7,700.00	7,689.81	7,463.84	7,415.00	21.09	24.04	117.87	-296.00	-2,373.71	2,514.50	2,472.46	42.04	59.813	
7,800.00	7,789.43	7,562.41	7,512.84	21.25	24.24	117.99	-298.93	-2,385.36	2,530.51	2,488.17	42.34	59.767	
7,900.00	7,889.05	7,660.99	7,610.68	21.42	24.44	118.11	-301.86	-2,397.01	2,546.53	2,503.88	42.65	59.707	
8,000.00	7,988.67	7,759.57	7,708.52	21.60	24.65	118.22	-304.78	-2,408.66	2,562.57	2,519.59	42.97	59.633	
8,100.00	8,088.29	7,858.14	7,806.36	21.78	24.87	118.33	-307.71	-2,420.31	2,578.61	2,535.30	43.30	59.545	
8,200.00	8,187.91	7,956.72	7,904.20	21.97	25.09	118.45	-310.64	-2,431.97	2,594.66	2,551.01	43.65	59.446	
8,300.00	8,287.53	8,055.29	8,002.04	22.16	25.31	118.56	-313.57	-2,443.62	2,610.72	2,566.72	44.00	59.334	
8,400.00	8,387.15	8,153.87	8,099.88	22.36	25.54	118.67	-316.50	-2,455.27	2,626.79	2,582.43	44.36	59.211	
8,500.00	8,486.77	8,252.45	8,197.72	22.56	25.77	118.78	-319.43	-2,466.92	2,642.87	2,598.14	44.74	59.078	
8,600.00	8,586.39	8,372.11	8,316.51	22.77	26.06	118.91	-322.95	-2,480.94	2,658.92	2,613.75	45.17	58.868	
8,700.00	8,686.01	8,681.83	8,625.31	22.98	26.71	119.31	-328.49	-2,502.99	2,670.34	2,624.35	45.98	58.071	
8,800.00	8,785.62	8,867.17	8,810.62	23.20	27.01	119.60	-329.00	-2,505.00	2,675.29	2,628.79	46.50	57.536	
8,900.00	8,885.24	8,966.79	8,910.24	23.42	27.16	119.76	-329.00	-2,505.00	2,679.62	2,632.72	46.89	57.144	
9,000.00	8,984.86	9,066.41	9,009.86	23.65	27.32	119.92	-329.00	-2,505.00	2,683.97	2,636.67	47.30	56.749	
9,100.00	9,084.48	9,166.03	9,109.48	23.88	27.48	120.08	-329.00	-2,505.00	2,688.34	2,640.63	47.71	56.352	
9,197.75	9,181.86	9,263.41	9,206.86	24.10	27.64	120.24	-329.00	-2,505.00	2,692.63	2,644.51	48.12	55.961	
9,200.00	9,184.10	9,265.64	9,209.10	24.11	27.65	120.24	-329.00	-2,505.00	2,692.73	2,644.60	48.13	55.953	
9,300.00	9,283.83	9,365.37	9,308.83	24.34	27.82	120.43	-329.00	-2,505.00	2,696.45	2,647.90	48.55	55.544	
9,400.00	9,383.71	9,465.26	9,408.71	24.57	27.99	120.54	-329.00	-2,505.00	2,698.86	2,649.89	48.97	55.117	
9,500.00	9,483.69	9,565.23	9,508.69	24.78	28.17	120.60	-329.00	-2,505.00	2,699.94	2,650.55	49.38	54.674	
9,531.09	9,514.78	9,603.68	9,539.78	24.85	28.23	-89.98	-329.00	-2,505.00	2,700.00	2,650.48	49.52	54.521	
9,600.00	9,583.69	9,665.23	9,608.69	24.98	28.35	-89.98	-329.00	-2,505.00	2,700.00	2,650.22	49.78	54.240	
9,700.00	9,683.69	9,765.23	9,708.69	25.17	28.53	-89.98	-329.00	-2,505.00	2,700.00	2,649.82	50.18	53.807	
9,800.00	9,783.69	9,865.23	9,808.69	25.37	28.72	-89.98	-329.00	-2,505.00	2,700.00	2,649.41	50.59	53.375	
9,900.00	9,883.69	9,965.23	9,908.69	25.57	28.91	-89.98	-329.00	-2,505.00	2,700.00	2,649.00	51.00	52.942	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	9,983.69	10,065.23	10,008.69	25.77	29.10	-89.98	-329.00	-2,505.00	2,700.00	2,648.58	51.42	52.509	
10,100.00	10,083.69	10,165.23	10,108.69	25.98	29.30	-89.98	-329.00	-2,505.00	2,700.00	2,648.15	51.85	52.076	
10,200.00	10,183.69	10,265.23	10,208.69	26.19	29.49	-89.98	-329.00	-2,505.00	2,700.00	2,647.72	52.28	51.645	
10,300.00	10,283.69	10,365.23	10,308.69	26.41	29.70	-89.98	-329.00	-2,505.00	2,700.00	2,647.28	52.72	51.214	
10,400.00	10,383.69	10,465.23	10,408.69	26.62	29.90	-89.98	-329.00	-2,505.00	2,700.00	2,646.83	53.17	50.785	
10,500.00	10,483.69	10,565.23	10,508.69	26.84	30.11	-89.98	-329.00	-2,505.00	2,700.00	2,646.38	53.62	50.357	
10,600.00	10,583.69	10,665.23	10,608.69	27.07	30.32	-89.98	-329.00	-2,505.00	2,700.00	2,645.93	54.07	49.932	
10,700.00	10,683.69	10,765.23	10,708.69	27.29	30.53	-89.98	-329.00	-2,505.00	2,700.00	2,645.46	54.54	49.508	
10,800.00	10,783.69	10,865.23	10,808.69	27.52	30.75	-89.98	-329.00	-2,505.00	2,700.00	2,645.00	55.00	49.087	
10,900.00	10,883.69	10,965.23	10,908.69	27.75	30.97	-89.98	-329.00	-2,505.00	2,700.00	2,644.52	55.48	48.668	
11,000.00	10,983.69	11,065.23	11,008.69	27.99	31.19	-89.98	-329.00	-2,505.00	2,700.00	2,644.04	55.96	48.251	
11,100.00	11,083.69	11,165.23	11,108.69	28.23	31.42	-89.98	-329.00	-2,505.00	2,700.00	2,643.56	56.44	47.838	
11,200.00	11,183.69	11,265.23	11,208.69	28.46	31.64	-89.98	-329.00	-2,505.00	2,700.00	2,643.07	56.93	47.427	
11,300.00	11,283.69	11,365.23	11,308.69	28.71	31.87	-89.98	-329.00	-2,505.00	2,700.00	2,642.58	57.42	47.020	
11,400.00	11,383.69	11,465.23	11,408.69	28.95	32.10	-89.98	-329.00	-2,505.00	2,700.00	2,642.08	57.92	46.615	
11,500.00	11,483.69	11,565.23	11,508.69	29.20	32.34	-89.98	-329.00	-2,505.00	2,700.00	2,641.58	58.42	46.214	
11,600.00	11,583.69	11,665.23	11,608.69	29.45	32.57	-89.98	-329.00	-2,505.00	2,700.00	2,641.07	58.93	45.817	
11,700.00	11,683.69	11,765.23	11,708.69	29.70	32.81	-89.98	-329.00	-2,505.00	2,700.00	2,640.56	59.44	45.422	
11,800.00	11,783.69	11,865.23	11,808.69	29.95	33.05	-89.98	-329.00	-2,505.00	2,700.00	2,640.04	59.96	45.032	
11,809.09	11,792.78	11,874.32	11,817.78	29.97	33.07	-89.98	-329.00	-2,505.00	2,700.00	2,640.00	60.00	44.996	
11,900.00	11,883.69	11,964.74	11,908.20	30.21	33.29	-89.97	-328.71	-2,505.00	2,700.00	2,639.53	60.47	44.647	
11,983.31	11,967.00	12,044.94	11,987.91	30.42	33.47	-89.80	-320.57	-2,505.04	2,700.06	2,639.17	60.89	44.341	
12,000.00	11,983.69	12,060.69	12,003.39	30.46	33.51	-89.34	-317.67	-2,505.06	2,700.09	2,639.12	60.97	44.283	
12,050.00	12,033.54	12,107.46	12,048.81	30.59	33.60	-89.17	-306.55	-2,505.12	2,700.18	2,638.98	61.20	44.118	
12,100.00	12,082.88	12,153.66	12,092.64	30.70	33.69	-89.00	-291.97	-2,505.19	2,700.28	2,638.87	61.42	43.967	
12,150.00	12,131.35	12,199.32	12,134.66	30.80	33.77	-88.84	-274.14	-2,505.29	2,700.39	2,638.78	61.61	43.829	
12,200.00	12,178.56	12,244.50	12,174.71	30.90	33.84	-88.69	-253.26	-2,505.40	2,700.51	2,638.72	61.79	43.702	
12,250.00	12,224.16	12,289.22	12,212.61	30.98	33.91	-88.55	-229.54	-2,505.52	2,700.63	2,638.67	61.96	43.586	
12,300.00	12,267.81	12,333.55	12,248.24	31.06	33.96	-88.41	-203.20	-2,505.66	2,700.75	2,638.63	62.12	43.476	
12,350.00	12,309.16	12,377.50	12,281.46	31.13	34.01	-88.29	-174.42	-2,505.81	2,700.86	2,638.59	62.27	43.371	
12,400.00	12,347.92	12,421.14	12,312.16	31.19	34.06	-88.18	-143.43	-2,505.97	2,700.96	2,638.54	62.42	43.269	
12,450.00	12,383.77	12,464.49	12,340.23	31.25	34.10	-88.09	-110.41	-2,506.14	2,701.05	2,638.48	62.57	43.167	
12,500.00	12,416.45	12,507.59	12,365.59	31.31	34.14	-88.00	-75.57	-2,506.33	2,701.12	2,638.40	62.73	43.063	
12,550.00	12,445.71	12,550.49	12,388.16	31.37	34.18	-87.93	-39.10	-2,506.52	2,701.18	2,638.29	62.89	42.953	
12,600.00	12,471.33	12,593.21	12,407.86	31.43	34.22	-87.88	-1.21	-2,506.72	2,701.21	2,638.15	63.06	42.835	
12,650.00	12,493.11	12,635.79	12,424.63	31.51	34.26	-87.84	37.92	-2,506.92	2,701.21	2,637.97	63.25	42.709	
12,700.00	12,510.88	12,678.27	12,438.43	31.60	34.31	-87.81	78.09	-2,507.13	2,701.19	2,637.74	63.45	42.572	
12,750.00	12,524.52	12,720.68	12,449.19	31.70	36.63	-87.80	119.10	-2,507.35	2,701.15	2,637.49	63.66	42.432	
12,783.31	12,531.25	12,749.35	12,454.74	37.07	39.52	-87.80	147.22	-2,507.49	2,701.10	2,637.33	63.77	42.355	
12,808.31	12,535.59	12,773.94	12,459.01	37.09	39.55	-87.80	171.44	-2,507.62	2,701.06	2,637.21	63.84	42.308	
12,850.00	12,541.94	12,809.65	12,464.46	37.11	39.58	-87.80	206.73	-2,507.82	2,700.99	2,637.02	63.97	42.220	
12,900.00	12,547.16	12,852.49	12,469.26	37.13	39.63	-87.80	249.29	-2,508.10	2,700.93	2,636.76	64.16	42.094	
12,950.00	12,549.78	12,895.34	12,472.14	37.16	39.68	-87.82	292.05	-2,508.42	2,700.86	2,636.47	64.39	41.943	
12,975.01	12,550.10	12,916.79	12,472.86	37.17	39.70	-87.83	313.48	-2,508.60	2,700.84	2,636.31	64.52	41.858	
12,993.92	12,550.10	12,944.39	12,473.11	37.18	39.74	-87.84	328.83	-2,508.73	2,700.83	2,636.16	64.67	41.766	
13,000.00	12,550.10	12,938.31	12,473.11	37.19	39.73	-87.84	334.91	-2,508.78	2,700.83	2,636.17	64.66	41.769	
13,100.00	12,550.10	13,038.22	12,473.10	37.24	39.88	-87.84	434.91	-2,509.67	2,700.86	2,635.50	65.36	41.324	
13,200.00	12,550.10	13,138.22	12,473.10	37.30	40.04	-87.84	534.90	-2,510.56	2,700.88	2,634.68	66.20	40.796	
13,300.00	12,550.10	13,238.22	12,473.10	37.36	40.25	-87.84	634.90	-2,511.45	2,700.91	2,633.71	67.20	40.189	
13,400.00	12,550.09	13,338.22	12,473.10	37.43	40.48	-87.84	734.89	-2,512.34	2,700.94	2,632.59	68.35	39.516	
13,500.00	12,550.09	13,438.22	12,473.09	37.51	40.76	-87.84	834.89	-2,513.23	2,700.97	2,631.33	69.64	38.786	
13,600.00	12,550.09	13,538.22	12,473.09	37.60	41.09	-87.84	934.89	-2,514.12	2,700.99	2,629.94	71.05	38.013	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
13,700.00	12,550.09	13,638.22	12,473.09	37.72	41.48	-87.84	1,034.88	-2,515.01	2,701.02	2,628.42	72.60	37.206	
13,800.00	12,550.08	13,738.22	12,473.09	37.93	41.93	-87.84	1,134.88	-2,515.89	2,701.05	2,626.79	74.25	36.376	
13,900.00	12,550.08	13,838.22	12,473.08	38.31	42.46	-87.84	1,234.87	-2,516.78	2,701.07	2,625.06	76.02	35.531	
14,000.00	12,550.08	13,938.22	12,473.08	38.97	43.07	-87.84	1,334.87	-2,517.67	2,701.10	2,623.22	77.89	34.680	
14,100.00	12,550.08	14,038.22	12,473.08	39.82	43.75	-87.84	1,434.87	-2,518.56	2,701.13	2,621.28	79.85	33.828	
14,200.00	12,550.07	14,138.22	12,473.08	40.77	44.51	-87.84	1,534.86	-2,519.45	2,701.16	2,619.26	81.90	32.982	
14,300.00	12,550.07	14,238.22	12,473.07	41.79	45.34	-87.84	1,634.86	-2,520.34	2,701.18	2,617.16	84.03	32.146	
14,400.00	12,550.07	14,338.22	12,473.07	42.87	46.24	-87.84	1,734.85	-2,521.23	2,701.21	2,614.98	86.23	31.325	
14,500.00	12,550.07	14,438.22	12,473.07	43.98	47.20	-87.84	1,834.85	-2,522.12	2,701.24	2,612.73	88.51	30.520	
14,600.00	12,550.06	14,538.22	12,473.07	45.13	48.21	-87.84	1,934.85	-2,523.01	2,701.27	2,610.42	90.85	29.735	
14,700.00	12,550.06	14,638.22	12,473.06	46.31	49.27	-87.84	2,034.84	-2,523.90	2,701.29	2,608.05	93.24	28.970	
14,800.00	12,550.06	14,738.22	12,473.06	47.53	50.38	-87.84	2,134.84	-2,524.79	2,701.32	2,605.63	95.70	28.228	
14,900.00	12,550.06	14,838.22	12,473.06	48.77	51.53	-87.84	2,234.83	-2,525.68	2,701.35	2,603.15	98.20	27.509	
15,000.00	12,550.05	14,938.22	12,473.06	50.03	52.71	-87.84	2,334.83	-2,526.56	2,701.38	2,600.63	100.75	26.813	
15,100.00	12,550.05	15,038.22	12,473.05	51.32	53.92	-87.84	2,434.83	-2,527.45	2,701.40	2,598.06	103.34	26.140	
15,200.00	12,550.05	15,138.22	12,473.05	52.63	55.16	-87.84	2,534.82	-2,528.34	2,701.43	2,595.45	105.98	25.490	
15,300.00	12,550.05	15,238.22	12,473.05	53.96	56.43	-87.84	2,634.82	-2,529.23	2,701.46	2,592.81	108.65	24.864	
15,400.00	12,550.05	15,338.22	12,473.05	55.31	57.72	-87.84	2,734.81	-2,530.12	2,701.49	2,590.13	111.36	24.260	
15,500.00	12,550.04	15,438.22	12,473.04	56.67	59.03	-87.84	2,834.81	-2,531.01	2,701.51	2,587.42	114.10	23.678	
15,600.00	12,550.04	15,538.22	12,473.04	58.05	60.37	-87.84	2,934.81	-2,531.90	2,701.54	2,584.68	116.86	23.117	
15,700.00	12,550.04	15,638.22	12,473.04	59.45	61.72	-87.84	3,034.80	-2,532.79	2,701.57	2,581.91	119.66	22.577	
15,800.00	12,550.04	15,738.22	12,473.04	60.85	63.08	-87.84	3,134.80	-2,533.68	2,701.60	2,579.11	122.48	22.057	
15,900.00	12,550.03	15,838.22	12,473.03	62.27	64.47	-87.84	3,234.79	-2,534.57	2,701.62	2,576.29	125.33	21.556	
16,000.00	12,550.03	15,938.22	12,473.03	63.70	65.86	-87.84	3,334.79	-2,535.46	2,701.65	2,573.45	128.20	21.074	
16,100.00	12,550.03	16,038.22	12,473.03	65.15	67.27	-87.84	3,434.79	-2,536.35	2,701.68	2,570.59	131.09	20.610	
16,200.00	12,550.03	16,138.22	12,473.03	66.60	68.69	-87.84	3,534.78	-2,537.23	2,701.71	2,567.71	134.00	20.162	
16,300.00	12,550.02	16,238.22	12,473.02	68.06	70.12	-87.84	3,634.78	-2,538.12	2,701.73	2,564.81	136.93	19.731	
16,400.00	12,550.02	16,338.22	12,473.02	69.53	71.57	-87.84	3,734.78	-2,539.01	2,701.76	2,561.89	139.87	19.316	
16,500.00	12,550.02	16,438.22	12,473.02	71.01	73.02	-87.84	3,834.77	-2,539.90	2,701.79	2,558.95	142.84	18.915	
16,600.00	12,550.02	16,538.22	12,473.02	72.50	74.48	-87.84	3,934.77	-2,540.79	2,701.82	2,556.00	145.81	18.529	
16,700.00	12,550.01	16,638.22	12,473.01	73.99	75.95	-87.84	4,034.76	-2,541.68	2,701.84	2,553.04	148.80	18.157	
16,800.00	12,550.01	16,738.22	12,473.01	75.49	77.43	-87.84	4,134.76	-2,542.57	2,701.87	2,550.06	151.81	17.798	
16,900.00	12,550.01	16,838.22	12,473.01	77.00	78.92	-87.84	4,234.76	-2,543.46	2,701.90	2,547.07	154.83	17.451	
17,000.00	12,550.01	16,938.22	12,473.01	78.52	80.41	-87.84	4,334.75	-2,544.35	2,701.92	2,544.07	157.86	17.116	
17,100.00	12,550.00	17,038.22	12,473.01	80.03	81.91	-87.84	4,434.75	-2,545.24	2,701.95	2,541.05	160.90	16.793	
17,200.00	12,550.00	17,138.22	12,473.00	81.56	83.42	-87.84	4,534.74	-2,546.13	2,701.98	2,538.03	163.95	16.480	
17,295.25	12,550.00	17,233.47	12,473.00	83.02	84.86	-87.84	4,629.99	-2,546.97	2,702.01	2,535.14	166.87	16.193	SF

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	25.00	25.00	0.00	0.03	-93.66	-98.00	-1,530.00	1,533.14				
100.00	100.00	125.00	125.00	0.13	0.22	-93.66	-98.00	-1,530.00	1,533.14	1,532.79	0.34	4,455.066	
200.00	200.00	225.00	225.00	0.49	0.58	-93.66	-98.00	-1,530.00	1,533.14	1,532.07	1.06	1,444.887	
300.00	300.00	325.00	325.00	0.84	0.93	-93.66	-98.00	-1,530.00	1,533.14	1,531.36	1.78	862.272	
400.00	400.00	425.00	425.00	1.20	1.29	-93.66	-98.00	-1,530.00	1,533.14	1,530.64	2.49	614.492	
500.00	500.00	525.00	525.00	1.56	1.65	-93.66	-98.00	-1,530.00	1,533.14	1,529.92	3.21	477.329	
600.00	600.00	625.00	625.00	1.92	2.01	-93.66	-98.00	-1,530.00	1,533.14	1,529.21	3.93	390.225	
700.00	700.00	725.00	725.00	2.28	2.37	-93.66	-98.00	-1,530.00	1,533.14	1,528.49	4.65	330.005	
800.00	800.00	825.00	825.00	2.64	2.73	-93.66	-98.00	-1,530.00	1,533.14	1,527.77	5.36	285.887	
900.00	900.00	925.00	925.00	3.00	3.08	-93.66	-98.00	-1,530.00	1,533.14	1,527.06	6.08	252.174	
1,000.00	1,000.00	1,025.00	1,025.00	3.35	3.44	-93.66	-98.00	-1,530.00	1,533.14	1,526.34	6.80	225.573	
1,100.00	1,100.00	1,125.00	1,125.00	3.71	3.80	-93.66	-98.00	-1,530.00	1,533.14	1,525.62	7.51	204.049	
1,200.00	1,200.00	1,240.25	1,240.25	4.07	4.21	-93.67	-98.06	-1,529.80	1,533.01	1,524.73	8.28	185.137	
1,300.00	1,300.00	1,401.09	1,400.99	4.43	4.76	-93.73	-99.42	-1,524.90	1,530.03	1,520.85	9.18	166.655	
1,400.00	1,400.00	1,561.21	1,560.67	4.79	5.32	-93.88	-102.58	-1,513.56	1,523.09	1,513.02	10.07	151.282	
1,500.00	1,500.00	1,700.14	1,698.73	5.15	5.81	-94.07	-106.74	-1,498.64	1,512.45	1,501.57	10.89	138.937	
1,600.00	1,600.00	1,800.60	1,797.25	5.50	6.18	-94.23	-109.99	-1,486.99	1,500.97	1,489.38	11.59	129.459	
1,700.00	1,700.00	1,901.35	1,895.76	5.86	6.55	-94.39	-113.24	-1,475.34	1,489.50	1,477.19	12.31	121.035	
1,800.00	1,800.00	2,002.10	1,994.28	6.22	6.93	-94.55	-116.49	-1,463.69	1,478.04	1,465.02	13.02	113.512	
1,900.00	1,900.00	2,102.84	2,092.79	6.58	7.31	-94.71	-119.73	-1,452.04	1,466.60	1,452.86	13.74	106.756	
2,000.00	2,000.00	2,203.59	2,191.31	6.94	7.70	-94.88	-122.98	-1,440.39	1,455.16	1,440.70	14.46	100.658	
2,100.00	2,100.00	2,295.67	2,289.82	7.30	8.05	-95.05	-126.23	-1,428.73	1,443.74	1,428.59	15.15	95.325	
2,200.00	2,200.00	2,405.08	2,388.34	7.66	8.47	-95.22	-129.48	-1,417.08	1,432.33	1,416.43	15.90	90.092	
2,300.00	2,300.00	2,505.82	2,486.85	8.01	8.87	-95.39	-132.73	-1,405.43	1,420.93	1,404.31	16.62	85.487	
2,400.00	2,400.00	2,593.43	2,585.36	8.37	9.21	-95.57	-135.98	-1,393.78	1,409.55	1,392.25	17.30	81.487	
2,500.00	2,500.00	2,707.31	2,683.88	8.73	9.66	-95.75	-139.23	-1,382.13	1,398.18	1,380.11	18.07	77.371	
2,600.00	2,600.00	2,808.06	2,782.39	9.09	10.05	-95.94	-142.47	-1,370.48	1,386.82	1,368.02	18.80	73.778	
2,700.00	2,700.00	2,908.80	2,880.91	9.45	10.45	-96.12	-145.72	-1,358.82	1,375.48	1,355.95	19.52	70.449	
2,800.00	2,800.00	3,009.55	2,979.42	9.81	10.85	-96.31	-148.97	-1,347.17	1,364.15	1,343.90	20.25	67.357	
2,900.00	2,900.00	3,089.71	3,077.94	10.16	11.17	-96.50	-152.22	-1,335.52	1,352.84	1,331.93	20.91	64.713	
3,000.00	3,000.00	3,188.96	3,176.45	10.52	11.56	-96.70	-155.47	-1,323.87	1,341.54	1,319.91	21.63	62.025	
3,100.00	3,100.00	3,288.21	3,274.97	10.88	11.96	-96.90	-158.72	-1,312.22	1,330.26	1,307.91	22.35	59.509	
3,200.00	3,200.00	3,387.47	3,373.48	11.24	12.35	-97.10	-161.96	-1,300.56	1,319.00	1,295.92	23.08	57.151	
3,300.00	3,300.00	3,486.72	3,472.00	11.60	12.75	-97.30	-165.21	-1,288.91	1,307.75	1,283.94	23.80	54.936	
3,400.00	3,400.00	3,585.98	3,570.51	11.96	13.15	-97.51	-168.46	-1,277.26	1,296.51	1,271.98	24.53	52.851	
3,500.00	3,500.00	3,685.23	3,669.03	12.32	13.54	-97.73	-171.71	-1,265.61	1,285.30	1,260.04	25.26	50.886	
3,600.00	3,600.00	3,784.49	3,767.54	12.67	13.94	-97.94	-174.96	-1,253.96	1,274.10	1,248.12	25.99	49.030	
3,700.00	3,700.00	3,883.74	3,866.06	13.03	14.34	-98.16	-178.21	-1,242.31	1,262.92	1,236.21	26.71	47.275	
3,800.00	3,800.00	3,983.00	3,964.57	13.39	14.74	-98.39	-181.45	-1,230.65	1,251.76	1,224.32	27.44	45.613	
3,900.00	3,900.00	4,082.25	4,063.09	13.75	15.14	-98.62	-184.70	-1,219.00	1,240.62	1,212.45	28.17	44.037	
4,000.00	4,000.00	4,181.51	4,161.60	14.11	15.54	-98.85	-187.95	-1,207.35	1,229.50	1,200.60	28.90	42.540	
4,100.00	4,100.00	4,280.76	4,260.12	14.47	15.94	-99.09	-191.20	-1,195.70	1,218.40	1,188.77	29.63	41.116	
4,200.00	4,200.00	4,380.02	4,358.63	14.82	16.34	-99.33	-194.45	-1,184.05	1,207.33	1,176.96	30.36	39.762	
4,300.00	4,300.00	4,479.27	4,457.15	15.18	16.74	-99.57	-197.70	-1,172.40	1,196.27	1,165.17	31.10	38.471	
4,400.00	4,400.00	4,578.52	4,555.66	15.54	17.14	-99.82	-200.94	-1,160.74	1,185.23	1,153.40	31.83	37.239	
4,500.00	4,500.00	4,677.78	4,654.18	15.90	17.54	-100.08	-204.19	-1,149.09	1,174.22	1,141.66	32.56	36.063	
4,600.00	4,600.00	4,777.03	4,752.69	16.26	17.94	-100.34	-207.44	-1,137.44	1,163.23	1,129.94	33.29	34.939	
4,700.00	4,700.00	4,876.29	4,851.20	16.62	18.34	-100.60	-210.69	-1,125.79	1,152.27	1,118.24	34.03	33.863	
4,800.00	4,800.00	4,975.54	4,949.72	16.98	18.75	-100.87	-213.94	-1,114.14	1,141.33	1,106.56	34.76	32.833	
4,900.00	4,899.99	5,074.90	5,048.34	17.32	19.15	109.65	-217.19	-1,102.47	1,130.85	1,095.37	35.48	31.874	
5,000.00	4,999.91	5,174.42	5,147.12	17.64	19.55	109.69	-220.45	-1,090.79	1,121.25	1,085.07	36.18	30.993	
5,100.00	5,099.69	5,274.04	5,245.99	17.97	19.95	109.85	-223.71	-1,079.10	1,112.54	1,075.66	36.88	30.170	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
5,133.33	5,132.91	5,307.25	5,278.95	18.08	20.09	109.93	-224.79	-1,075.20	1,109.83	1,072.72	37.11	29.908	
5,200.00	5,199.32	5,373.68	5,344.89	18.30	20.36	110.03	-226.97	-1,067.40	1,104.51	1,066.94	37.57	29.396	
5,300.00	5,298.94	5,473.32	5,443.79	18.63	20.64	110.17	-230.23	-1,055.70	1,096.55	1,058.40	38.14	28.749	
5,400.00	5,398.56	5,572.96	5,542.69	18.96	20.75	110.32	-233.49	-1,044.00	1,088.59	1,050.05	38.54	28.249	
5,500.00	5,498.18	5,672.61	5,641.59	19.13	20.82	110.47	-236.75	-1,032.31	1,080.63	1,041.91	38.72	27.908	
5,600.00	5,597.80	5,772.25	5,740.49	19.14	20.90	110.62	-240.01	-1,020.61	1,072.69	1,033.93	38.76	27.674	
5,700.00	5,697.42	5,871.89	5,839.39	19.16	20.99	110.78	-243.27	-1,008.91	1,064.75	1,025.94	38.82	27.431	
5,800.00	5,797.04	5,971.54	5,938.29	19.19	21.09	110.94	-246.53	-997.21	1,056.82	1,017.94	38.88	27.178	
5,900.00	5,896.66	6,071.18	6,037.19	19.22	21.19	111.10	-249.80	-985.52	1,048.90	1,009.93	38.97	26.917	
6,000.00	5,996.28	6,170.82	6,136.09	19.26	21.31	111.26	-253.06	-973.82	1,040.99	1,001.92	39.07	26.647	
6,100.00	6,095.90	6,270.47	6,234.99	19.31	21.42	111.42	-256.32	-962.12	1,033.08	993.91	39.18	26.370	
6,200.00	6,195.52	6,370.11	6,333.89	19.37	21.55	111.59	-259.58	-950.42	1,025.19	985.88	39.30	26.085	
6,300.00	6,295.14	6,469.75	6,432.79	19.44	21.68	111.76	-262.84	-938.73	1,017.30	977.86	39.44	25.793	
6,400.00	6,394.76	6,569.39	6,531.69	19.51	21.82	111.93	-266.10	-927.03	1,009.42	969.82	39.59	25.494	
6,500.00	6,494.38	6,669.04	6,630.59	19.59	21.97	112.10	-269.36	-915.33	1,001.55	961.79	39.76	25.189	
6,600.00	6,594.00	6,768.68	6,729.49	19.68	22.12	112.28	-272.62	-903.64	993.69	953.75	39.94	24.879	
6,700.00	6,693.62	6,868.32	6,828.39	19.77	22.28	112.46	-275.88	-891.94	985.84	945.71	40.13	24.564	
6,800.00	6,793.24	6,967.97	6,927.29	19.87	22.45	112.64	-279.15	-880.24	978.00	937.66	40.34	24.245	
6,900.00	6,892.85	7,067.61	7,026.19	19.98	22.62	112.83	-282.41	-868.54	970.17	929.61	40.56	23.921	
7,000.00	6,992.47	7,167.25	7,125.09	20.10	22.79	113.02	-285.67	-856.85	962.35	921.56	40.79	23.594	
7,100.00	7,092.09	7,266.90	7,223.99	20.22	22.98	113.21	-288.93	-845.15	954.54	913.51	41.03	23.265	
7,200.00	7,191.71	7,366.54	7,322.89	20.35	23.17	113.41	-292.19	-833.45	946.74	905.46	41.28	22.932	
7,300.00	7,291.33	7,466.18	7,421.79	20.48	23.36	113.61	-295.45	-821.75	938.95	897.40	41.55	22.598	
7,400.00	7,390.95	7,565.82	7,520.69	20.63	23.56	113.81	-298.71	-810.06	931.18	889.35	41.83	22.262	
7,500.00	7,490.57	7,665.47	7,619.59	20.77	23.77	114.01	-301.97	-798.36	923.41	881.30	42.12	21.925	
7,600.00	7,590.19	7,765.11	7,718.49	20.93	23.98	114.22	-305.23	-786.66	915.66	873.24	42.42	21.587	
7,700.00	7,689.81	7,864.75	7,817.39	21.09	24.19	114.43	-308.49	-774.96	907.92	865.19	42.73	21.249	
7,800.00	7,789.43	7,964.40	7,916.29	21.25	24.41	114.65	-311.76	-763.27	900.19	857.14	43.05	20.911	
7,900.00	7,889.05	8,064.04	8,015.19	21.42	24.64	114.87	-315.02	-751.57	892.48	849.10	43.38	20.574	
8,000.00	7,988.67	8,163.68	8,114.09	21.60	24.87	115.09	-318.28	-739.87	884.78	841.06	43.72	20.237	
8,100.00	8,088.29	8,256.94	8,206.67	21.78	25.09	115.31	-321.30	-729.04	877.22	833.15	44.07	19.905	
8,200.00	8,187.91	8,339.11	8,288.40	21.97	25.27	115.54	-323.58	-720.85	871.28	826.85	44.42	19.613	
8,300.00	8,287.53	8,421.40	8,370.41	22.16	25.44	115.81	-325.39	-714.35	867.36	822.60	44.77	19.375	
8,400.00	8,387.15	8,503.71	8,452.57	22.36	25.61	116.12	-326.73	-709.55	865.50	820.40	45.10	19.190	
8,440.50	8,427.49	8,537.04	8,485.86	22.44	25.67	116.26	-327.14	-708.10	865.33	820.10	45.23	19.130	CC
8,500.00	8,486.77	8,585.97	8,534.77	22.56	25.76	116.47	-327.59	-706.47	865.70	820.27	45.43	19.057	
8,600.00	8,586.39	8,668.11	8,616.89	22.77	25.89	116.86	-327.98	-705.08	867.97	822.23	45.74	18.976	
8,700.00	8,686.01	8,762.23	8,711.01	22.98	26.04	117.34	-328.00	-705.00	871.85	825.77	46.08	18.921	
8,800.00	8,785.62	8,861.85	8,810.62	23.20	26.20	117.85	-328.00	-705.00	875.90	829.46	46.44	18.861	
8,900.00	8,885.24	8,961.46	8,910.24	23.42	26.35	118.35	-328.00	-705.00	880.02	833.21	46.81	18.800	
9,000.00	8,984.86	9,061.08	9,009.86	23.65	26.52	118.84	-328.00	-705.00	884.20	837.01	47.19	18.738	
9,100.00	9,084.48	9,160.70	9,109.48	23.88	26.68	119.33	-328.00	-705.00	888.45	840.88	47.57	18.675	
9,197.75	9,181.86	9,258.09	9,206.86	24.10	26.85	119.81	-328.00	-705.00	892.67	844.71	47.96	18.613	
9,200.00	9,184.10	9,260.32	9,209.10	24.11	26.85	119.82	-328.00	-705.00	892.76	844.80	47.97	18.611	
9,300.00	9,283.83	9,360.05	9,308.83	24.34	27.03	120.28	-328.00	-705.00	896.45	848.08	48.37	18.533	
9,400.00	9,383.71	9,459.93	9,408.71	24.57	27.21	120.57	-328.00	-705.00	898.86	850.08	48.78	18.427	
9,500.00	9,483.69	9,559.91	9,508.69	24.78	27.39	120.70	-328.00	-705.00	899.94	850.75	49.19	18.295	
9,531.09	9,514.78	9,609.00	9,539.78	24.85	27.48	-89.87	-328.00	-705.00	900.00	850.65	49.35	18.236	
9,600.00	9,583.69	9,659.91	9,608.69	24.98	27.57	-89.87	-328.00	-705.00	900.00	850.41	49.59	18.149	
9,700.00	9,683.69	9,759.91	9,708.69	25.17	27.76	-89.87	-328.00	-705.00	900.00	850.01	49.99	18.003	
9,800.00	9,783.69	9,859.91	9,808.69	25.37	27.95	-89.87	-328.00	-705.00	900.00	849.60	50.40	17.857	
9,900.00	9,883.69	9,959.91	9,908.69	25.57	28.15	-89.87	-328.00	-705.00	900.00	849.19	50.82	17.711	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
10,000.00	9,983.69	10,059.91	10,008.69	25.77	28.35	-89.87	-328.00	-705.00	900.00	848.77	51.24	17.565	
10,100.00	10,083.69	10,159.91	10,108.69	25.98	28.55	-89.87	-328.00	-705.00	900.00	848.34	51.67	17.420	
10,200.00	10,183.69	10,259.91	10,208.69	26.19	28.75	-89.87	-328.00	-705.00	900.00	847.90	52.10	17.274	
10,300.00	10,283.69	10,359.91	10,308.69	26.41	28.96	-89.87	-328.00	-705.00	900.00	847.46	52.54	17.129	
10,400.00	10,383.69	10,459.91	10,408.69	26.62	29.17	-89.87	-328.00	-705.00	900.00	847.01	52.99	16.985	
10,500.00	10,483.69	10,559.91	10,508.69	26.84	29.38	-89.87	-328.00	-705.00	900.00	846.56	53.44	16.841	
10,600.00	10,583.69	10,659.91	10,608.69	27.07	29.60	-89.87	-328.00	-705.00	900.00	846.10	53.90	16.698	
10,700.00	10,683.69	10,759.91	10,708.69	27.29	29.82	-89.87	-328.00	-705.00	900.00	845.64	54.36	16.555	
10,800.00	10,783.69	10,859.91	10,808.69	27.52	30.04	-89.87	-328.00	-705.00	900.00	845.17	54.83	16.413	
10,900.00	10,883.69	10,959.91	10,908.69	27.75	30.26	-89.87	-328.00	-705.00	900.00	844.69	55.31	16.272	
11,000.00	10,983.69	11,059.91	11,008.69	27.99	30.49	-89.87	-328.00	-705.00	900.00	844.21	55.79	16.132	
11,100.00	11,083.69	11,159.91	11,108.69	28.23	30.72	-89.87	-328.00	-705.00	900.00	843.73	56.27	15.993	
11,200.00	11,183.69	11,259.91	11,208.69	28.46	30.95	-89.87	-328.00	-705.00	900.00	843.24	56.76	15.855	
11,300.00	11,283.69	11,359.91	11,308.69	28.71	31.19	-89.87	-328.00	-705.00	900.00	842.74	57.26	15.718	
11,400.00	11,383.69	11,459.91	11,408.69	28.95	31.42	-89.87	-328.00	-705.00	900.00	842.24	57.76	15.582	
11,500.00	11,483.69	11,559.91	11,508.69	29.20	31.66	-89.87	-328.00	-705.00	900.00	841.74	58.26	15.447	
11,600.00	11,583.69	11,659.91	11,608.69	29.45	31.90	-89.87	-328.00	-705.00	900.00	841.23	58.77	15.313	
11,700.00	11,683.69	11,759.91	11,708.69	29.70	32.14	-89.87	-328.00	-705.00	900.00	840.72	59.28	15.181	
11,800.00	11,783.69	11,859.91	11,808.69	29.95	32.39	-89.87	-328.00	-705.00	900.00	840.20	59.80	15.050	
11,808.73	11,792.42	11,868.64	11,817.42	29.97	32.41	-89.87	-328.00	-705.00	900.00	840.16	59.85	15.038	
11,900.00	11,883.69	11,959.67	11,908.45	30.21	32.64	-89.85	-327.67	-705.00	900.00	839.68	60.32	14.921	
11,983.31	11,967.00	12,040.98	11,989.24	30.42	32.82	-89.31	-319.16	-705.05	900.12	839.40	60.72	14.825	
12,000.00	11,983.69	12,056.93	12,004.90	30.46	32.86	-88.73	-316.15	-705.06	900.17	839.38	60.79	14.808	
12,050.00	12,033.54	12,104.29	12,050.83	30.59	32.96	-88.19	-304.67	-705.12	900.38	839.38	61.00	14.760	
12,100.00	12,082.88	12,151.02	12,095.08	30.70	33.05	-87.67	-289.66	-705.20	900.66	839.46	61.20	14.718	
12,150.00	12,131.35	12,197.19	12,137.44	30.80	33.13	-87.16	-271.34	-705.30	900.99	839.61	61.38	14.680	
12,200.00	12,178.56	12,242.81	12,177.72	30.90	33.20	-86.68	-249.94	-705.41	901.37	839.82	61.55	14.645	
12,250.00	12,224.16	12,287.96	12,215.78	30.98	33.26	-86.23	-225.68	-705.54	901.77	840.07	61.71	14.614	
12,300.00	12,267.81	12,332.65	12,251.46	31.06	33.32	-85.80	-198.78	-705.68	902.20	840.34	61.86	14.585	
12,350.00	12,309.16	12,376.95	12,284.65	31.13	33.37	-85.40	-169.46	-705.83	902.63	840.63	62.00	14.558	
12,400.00	12,347.92	12,420.88	12,315.23	31.19	33.41	-85.03	-137.94	-706.00	903.06	840.91	62.15	14.530	
12,450.00	12,383.77	12,464.49	12,343.11	31.25	33.45	-84.70	-104.42	-706.17	903.47	841.17	62.30	14.503	
12,500.00	12,416.45	12,507.82	12,368.21	31.31	33.49	-84.40	-69.11	-706.36	903.85	841.40	62.44	14.474	
12,550.00	12,445.71	12,550.90	12,390.45	31.37	33.53	-84.14	-32.22	-706.55	904.19	841.59	62.60	14.444	
12,600.00	12,471.33	12,593.78	12,409.77	31.43	33.56	-83.92	6.04	-706.75	904.48	841.71	62.76	14.411	
12,650.00	12,493.11	12,636.49	12,426.12	31.51	33.60	-83.74	45.49	-706.96	904.71	841.77	62.94	14.373	
12,700.00	12,510.88	12,679.06	12,439.44	31.60	33.64	-83.60	85.90	-707.17	904.88	841.74	63.14	14.332	
12,750.00	12,524.52	12,721.53	12,449.71	31.70	36.49	-83.51	127.10	-707.38	904.97	841.64	63.33	14.290	
12,783.31	12,531.25	12,751.50	12,455.21	37.07	38.97	-83.47	156.56	-707.54	904.99	841.55	63.43	14.266	
12,808.31	12,535.59	12,775.22	12,459.28	37.09	38.99	-83.47	179.94	-707.66	904.95	841.45	63.50	14.251	
12,850.00	12,541.94	12,812.20	12,464.61	37.11	39.02	-83.45	216.53	-707.88	904.93	841.32	63.62	14.225	
12,900.00	12,547.16	12,856.54	12,469.13	37.13	39.07	-83.44	260.63	-708.17	904.91	841.12	63.79	14.186	
12,950.00	12,549.78	12,900.89	12,471.60	37.16	39.11	-83.45	304.90	-708.51	904.87	840.87	64.00	14.139	
12,975.01	12,550.10	12,923.07	12,472.06	37.17	39.14	-83.46	327.08	-708.70	904.84	840.72	64.12	14.112	
12,978.22	12,550.10	12,938.74	12,472.11	37.17	39.16	-83.46	329.16	-708.72	904.84	840.66	64.17	14.100	
13,000.00	12,550.10	12,946.93	12,472.11	37.19	39.17	-83.46	350.94	-708.91	904.84	840.58	64.26	14.081	
13,100.00	12,550.10	13,046.93	12,472.10	37.24	39.30	-83.46	450.93	-709.80	904.87	839.91	64.96	13.931	
13,200.00	12,550.10	13,146.93	12,472.10	37.30	39.45	-83.46	550.93	-710.69	904.89	839.09	65.80	13.752	
13,300.00	12,550.10	13,246.93	12,472.10	37.36	39.64	-83.46	650.93	-711.57	904.92	838.12	66.80	13.547	
13,400.00	12,550.09	13,346.93	12,472.10	37.43	39.86	-83.46	750.92	-712.46	904.94	837.00	67.94	13.319	
13,500.00	12,550.09	13,446.93	12,472.09	37.51	40.12	-83.46	850.92	-713.35	904.97	835.74	69.23	13.072	
13,600.00	12,550.09	13,546.93	12,472.09	37.60	40.43	-83.46	950.91	-714.23	904.99	834.35	70.64	12.811	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
13,700.00	12,550.09	13,646.93	12,472.09	37.72	40.81	-83.47	1,050.91	-715.12	905.01	832.83	72.18	12.538	
13,800.00	12,550.08	13,746.93	12,472.09	37.93	41.26	-83.47	1,150.91	-716.00	905.04	831.21	73.83	12.258	
13,900.00	12,550.08	13,846.93	12,472.08	38.31	41.79	-83.47	1,250.90	-716.89	905.06	829.47	75.60	11.973	
14,000.00	12,550.08	13,946.93	12,472.08	38.97	42.41	-83.47	1,350.90	-717.78	905.09	827.63	77.46	11.685	
14,100.00	12,550.08	14,046.93	12,472.08	39.82	43.11	-83.47	1,450.89	-718.66	905.11	825.70	79.41	11.398	
14,200.00	12,550.07	14,146.93	12,472.08	40.77	43.89	-83.47	1,550.89	-719.55	905.14	823.68	81.46	11.112	
14,300.00	12,550.07	14,246.93	12,472.07	41.79	44.74	-83.47	1,650.89	-720.44	905.16	821.58	83.58	10.830	
14,400.00	12,550.07	14,346.93	12,472.07	42.87	45.67	-83.47	1,750.88	-721.32	905.19	819.41	85.78	10.553	
14,500.00	12,550.07	14,446.93	12,472.07	43.98	46.66	-83.47	1,850.88	-722.21	905.21	817.17	88.04	10.281	
14,600.00	12,550.06	14,546.93	12,472.07	45.13	47.70	-83.47	1,950.87	-723.10	905.24	814.86	90.37	10.016	
14,700.00	12,550.06	14,646.93	12,472.06	46.31	48.79	-83.47	2,050.87	-723.98	905.26	812.50	92.76	9.759	
14,800.00	12,550.06	14,746.93	12,472.06	47.53	49.92	-83.47	2,150.87	-724.87	905.29	810.08	95.21	9.508	
14,900.00	12,550.06	14,846.93	12,472.06	48.77	51.09	-83.47	2,250.86	-725.76	905.31	807.61	97.70	9.266	
15,000.00	12,550.05	14,946.93	12,472.06	50.03	52.29	-83.47	2,350.86	-726.64	905.34	805.09	100.24	9.031	
15,100.00	12,550.05	15,046.93	12,472.05	51.32	53.52	-83.47	2,450.86	-727.53	905.36	802.53	102.83	8.805	
15,200.00	12,550.05	15,146.93	12,472.05	52.63	54.78	-83.47	2,550.85	-728.42	905.38	799.93	105.45	8.586	
15,300.00	12,550.05	15,246.93	12,472.05	53.96	56.07	-83.47	2,650.85	-729.30	905.41	797.29	108.12	8.374	
15,400.00	12,550.05	15,346.93	12,472.05	55.31	57.37	-83.47	2,750.84	-730.19	905.43	794.62	110.81	8.171	
15,500.00	12,550.04	15,446.93	12,472.04	56.67	58.70	-83.47	2,850.84	-731.08	905.46	791.92	113.54	7.975	
15,600.00	12,550.04	15,546.93	12,472.04	58.05	60.05	-83.47	2,950.84	-731.96	905.48	789.19	116.30	7.786	
15,700.00	12,550.04	15,646.93	12,472.04	59.45	61.41	-83.47	3,050.83	-732.85	905.51	786.42	119.08	7.604	
15,800.00	12,550.04	15,746.93	12,472.04	60.85	62.79	-83.47	3,150.83	-733.74	905.53	783.64	121.89	7.429	
15,900.00	12,550.03	15,846.93	12,472.03	62.27	64.18	-83.47	3,250.82	-734.62	905.56	780.83	124.73	7.260	
16,000.00	12,550.03	15,946.93	12,472.03	63.70	65.59	-83.47	3,350.82	-735.51	905.58	777.99	127.59	7.098	
16,100.00	12,550.03	16,046.93	12,472.03	65.15	67.00	-83.47	3,450.82	-736.40	905.61	775.14	130.47	6.941	
16,200.00	12,550.03	16,146.93	12,472.03	66.60	68.43	-83.47	3,550.81	-737.28	905.63	772.27	133.36	6.791	
16,300.00	12,550.02	16,246.93	12,472.02	68.06	69.88	-83.47	3,650.81	-738.17	905.66	769.37	136.28	6.645	
16,400.00	12,550.02	16,346.93	12,472.02	69.53	71.33	-83.47	3,750.80	-739.05	905.68	766.47	139.21	6.506	
16,500.00	12,550.02	16,446.93	12,472.02	71.01	72.79	-83.47	3,850.80	-739.94	905.71	763.54	142.16	6.371	
16,600.00	12,550.02	16,546.93	12,472.02	72.50	74.26	-83.47	3,950.80	-740.83	905.73	760.60	145.13	6.241	
16,700.00	12,550.01	16,646.93	12,472.01	73.99	75.74	-83.47	4,050.79	-741.71	905.75	757.64	148.11	6.115	
16,800.00	12,550.01	16,746.93	12,472.01	75.49	77.22	-83.47	4,150.79	-742.60	905.78	754.68	151.10	5.994	
16,900.00	12,550.01	16,846.93	12,472.01	77.00	78.71	-83.47	4,250.78	-743.49	905.80	751.70	154.11	5.878	
17,000.00	12,550.01	16,946.93	12,472.01	78.52	80.21	-83.47	4,350.78	-744.37	905.83	748.70	157.12	5.765	
17,100.00	12,550.00	17,046.93	12,472.01	80.03	81.72	-83.47	4,450.78	-745.26	905.85	745.70	160.15	5.656	
17,200.00	12,550.00	17,146.93	12,472.00	81.56	83.23	-83.47	4,550.77	-746.15	905.88	742.69	163.19	5.551	
17,295.25	12,550.00	17,242.18	12,472.00	83.02	84.68	-83.47	4,646.02	-746.99	905.90	739.81	166.10	5.454	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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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	57.00	57.00	0.00	0.07	-91.92	-118.00	-3,528.00	3,529.97				
100.00	100.00	157.00	157.00	0.13	0.33	-91.92	-118.00	-3,528.00	3,529.97	3,529.51	0.46	7,693.189	
200.00	200.00	257.00	257.00	0.49	0.69	-91.92	-118.00	-3,528.00	3,529.97	3,528.80	1.18	3,002.221	
300.00	300.00	357.00	357.00	0.84	1.05	-91.92	-118.00	-3,528.00	3,529.97	3,528.08	1.89	1,865.017	
400.00	400.00	457.00	457.00	1.20	1.41	-91.92	-118.00	-3,528.00	3,529.97	3,527.36	2.61	1,352.649	
500.00	500.00	557.00	557.00	1.56	1.77	-91.92	-118.00	-3,528.00	3,529.97	3,526.65	3.33	1,061.130	
600.00	600.00	657.00	657.00	1.92	2.12	-91.92	-118.00	-3,528.00	3,529.97	3,525.93	4.04	872.987	
700.00	700.00	757.00	757.00	2.28	2.48	-91.92	-118.00	-3,528.00	3,529.97	3,525.21	4.76	741.513	
800.00	800.00	857.00	857.00	2.64	2.84	-91.92	-118.00	-3,528.00	3,529.97	3,524.50	5.48	644.456	
900.00	900.00	957.00	957.00	3.00	3.20	-91.92	-118.00	-3,528.00	3,529.97	3,523.78	6.19	569.866	
1,000.00	1,000.00	1,057.00	1,057.00	3.35	3.56	-91.92	-118.00	-3,528.00	3,529.97	3,523.06	6.91	510.751	
1,100.00	1,100.00	1,157.00	1,157.00	3.71	3.92	-91.92	-118.00	-3,528.00	3,529.97	3,522.34	7.63	462.749	
1,200.00	1,200.00	1,257.00	1,257.00	4.07	4.27	-91.92	-118.00	-3,528.00	3,529.97	3,521.63	8.35	422.994	
1,300.00	1,300.00	1,357.00	1,357.00	4.43	4.63	-91.92	-118.00	-3,528.00	3,529.97	3,520.91	9.06	389.529	
1,400.00	1,400.00	1,457.00	1,457.00	4.79	4.99	-91.92	-118.00	-3,528.00	3,529.97	3,520.19	9.78	360.971	
1,500.00	1,500.00	1,557.00	1,557.00	5.15	5.35	-91.92	-118.00	-3,528.00	3,529.97	3,519.48	10.50	336.315	
1,600.00	1,600.00	1,657.00	1,657.00	5.50	5.71	-91.92	-118.00	-3,528.00	3,529.97	3,518.76	11.21	314.811	
1,700.00	1,700.00	1,757.00	1,757.00	5.86	6.07	-91.92	-118.00	-3,528.00	3,529.97	3,518.04	11.93	295.892	
1,800.00	1,800.00	1,857.00	1,857.00	6.22	6.43	-91.92	-118.00	-3,528.00	3,529.97	3,517.33	12.65	279.118	
1,900.00	1,900.00	1,957.00	1,957.00	6.58	6.78	-91.92	-118.00	-3,528.00	3,529.97	3,516.61	13.36	264.144	
2,000.00	2,000.00	2,057.00	2,057.00	6.94	7.14	-91.92	-118.00	-3,528.00	3,529.97	3,515.89	14.08	250.695	
2,100.00	2,100.00	2,157.00	2,157.00	7.30	7.50	-91.92	-118.00	-3,528.00	3,529.97	3,515.18	14.80	238.549	
2,200.00	2,200.00	2,257.00	2,257.00	7.66	7.86	-91.92	-118.00	-3,528.00	3,529.97	3,514.46	15.51	227.525	
2,300.00	2,300.00	2,357.00	2,357.00	8.01	8.22	-91.92	-118.00	-3,528.00	3,529.97	3,513.74	16.23	217.475	
2,400.00	2,400.00	2,457.00	2,457.00	8.37	8.58	-91.92	-118.00	-3,528.00	3,529.97	3,513.02	16.95	208.276	
2,500.00	2,500.00	2,557.00	2,557.00	8.73	8.93	-91.92	-118.00	-3,528.00	3,529.97	3,512.31	17.67	199.823	
2,600.00	2,600.00	2,657.00	2,657.00	9.09	9.29	-91.92	-118.00	-3,528.00	3,529.97	3,511.59	18.38	192.030	
2,700.00	2,700.00	2,757.00	2,757.00	9.45	9.65	-91.92	-118.00	-3,528.00	3,529.97	3,510.87	19.10	184.821	
2,800.00	2,800.00	2,857.00	2,857.00	9.81	10.01	-91.92	-118.00	-3,528.00	3,529.97	3,510.16	19.82	178.135	
2,900.00	2,900.00	2,957.00	2,957.00	10.16	10.37	-91.92	-118.00	-3,528.00	3,529.97	3,509.44	20.53	171.915	
3,000.00	3,000.00	3,057.00	3,057.00	10.52	10.73	-91.92	-118.00	-3,528.00	3,529.97	3,508.72	21.25	166.115	
3,100.00	3,100.00	3,157.00	3,157.00	10.88	11.09	-91.92	-118.00	-3,528.00	3,529.97	3,508.01	21.97	160.693	
3,200.00	3,200.00	3,257.00	3,257.00	11.24	11.44	-91.92	-118.00	-3,528.00	3,529.97	3,507.29	22.68	155.615	
3,300.00	3,300.00	3,357.00	3,357.00	11.60	11.80	-91.92	-118.00	-3,528.00	3,529.97	3,506.57	23.40	150.847	
3,400.00	3,400.00	3,457.00	3,457.00	11.96	12.16	-91.92	-118.00	-3,528.00	3,529.97	3,505.85	24.12	146.363	
3,500.00	3,500.00	3,557.00	3,557.00	12.32	12.52	-91.92	-118.00	-3,528.00	3,529.97	3,505.14	24.83	142.138	
3,600.00	3,600.00	3,657.00	3,657.00	12.67	12.88	-91.92	-118.00	-3,528.00	3,529.97	3,504.42	25.55	138.149	
3,700.00	3,700.00	3,757.00	3,757.00	13.03	13.24	-91.92	-118.00	-3,528.00	3,529.97	3,503.70	26.27	134.379	
3,800.00	3,800.00	3,857.00	3,857.00	13.39	13.60	-91.92	-118.00	-3,528.00	3,529.97	3,502.99	26.99	130.809	
3,900.00	3,900.00	3,957.00	3,957.00	13.75	13.95	-91.92	-118.00	-3,528.00	3,529.97	3,502.27	27.70	127.424	
4,000.00	4,000.00	4,057.00	4,057.00	14.11	14.31	-91.92	-118.00	-3,528.00	3,529.97	3,501.55	28.42	124.209	
4,100.00	4,100.00	4,157.00	4,157.00	14.47	14.67	-91.92	-118.00	-3,528.00	3,529.97	3,500.84	29.14	121.153	
4,200.00	4,200.00	4,257.00	4,257.00	14.82	15.03	-91.92	-118.00	-3,528.00	3,529.97	3,500.12	29.85	118.243	
4,300.00	4,300.00	4,357.00	4,357.00	15.18	15.39	-91.92	-118.00	-3,528.00	3,529.97	3,499.40	30.57	115.470	
4,400.00	4,400.00	4,457.00	4,457.00	15.54	15.75	-91.92	-118.00	-3,528.00	3,529.97	3,498.69	31.29	112.824	
4,500.00	4,500.00	4,557.00	4,557.00	15.90	16.10	-91.92	-118.00	-3,528.00	3,529.97	3,497.97	32.00	110.297	
4,600.00	4,600.00	4,657.00	4,657.00	16.26	16.46	-91.92	-118.00	-3,528.00	3,529.97	3,497.25	32.72	107.880	
4,700.00	4,700.00	4,757.00	4,757.00	16.62	16.82	-91.92	-118.00	-3,528.00	3,529.97	3,496.53	33.44	105.567	
4,800.00	4,800.00	4,857.00	4,857.00	16.98	17.18	-91.92	-118.00	-3,528.00	3,529.97	3,495.82	34.16	103.351	CC
4,900.00	4,899.99	4,956.99	4,956.99	17.32	17.54	118.67	-118.00	-3,528.00	3,530.60	3,495.75	34.85	101.295	
5,000.00	4,999.91	5,056.91	5,056.91	17.64	17.90	118.70	-118.00	-3,528.00	3,532.49	3,496.95	35.54	99.403	
5,100.00	5,099.69	5,156.69	5,156.69	17.97	18.25	118.76	-118.00	-3,528.00	3,535.64	3,499.42	36.22	97.615	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
5,133.33	5,132.91	5,189.91	5,189.91	18.08	18.37	118.78	-118.00	-3,528.00	3,536.97	3,500.52	36.45	97.042	
5,200.00	5,199.32	5,256.32	5,256.32	18.30	18.61	118.86	-118.00	-3,528.00	3,539.78	3,502.87	36.90	95.919	
5,300.00	5,298.94	5,355.94	5,355.94	18.63	18.97	118.98	-118.00	-3,528.00	3,544.00	3,506.42	37.59	94.283	
5,400.00	5,398.56	5,455.56	5,455.56	18.96	19.23	119.11	-118.00	-3,528.00	3,548.25	3,510.07	38.18	92.941	
5,500.00	5,498.18	5,555.18	5,555.18	19.13	19.31	119.23	-118.00	-3,528.00	3,552.51	3,514.08	38.43	92.434	
5,600.00	5,597.80	5,654.80	5,654.80	19.14	19.32	119.35	-118.00	-3,528.00	3,556.78	3,518.33	38.45	92.495	
5,700.00	5,697.42	5,795.90	5,795.89	19.16	19.34	119.51	-119.06	-3,527.42	3,560.76	3,522.27	38.49	92.503	
5,800.00	5,797.04	5,972.15	5,971.92	19.19	19.39	119.60	-126.50	-3,523.35	3,562.83	3,524.28	38.55	92.416	
5,900.00	5,896.66	6,101.33	6,098.00	19.22	19.44	119.60	-135.75	-3,518.30	3,563.22	3,524.59	38.63	92.251	
6,000.00	5,996.28	6,201.33	6,197.62	19.26	19.49	119.60	-143.40	-3,514.12	3,563.47	3,524.76	38.71	92.048	
6,100.00	6,095.90	6,298.67	6,297.24	19.31	19.54	119.60	-151.05	-3,509.94	3,563.73	3,524.91	38.81	91.815	
6,200.00	6,195.52	6,401.33	6,396.86	19.37	19.61	119.60	-158.69	-3,505.75	3,563.98	3,525.05	38.93	91.542	
6,300.00	6,295.14	6,501.33	6,496.48	19.44	19.68	119.60	-166.34	-3,501.57	3,564.24	3,525.17	39.06	91.239	
6,400.00	6,394.76	6,601.33	6,596.10	19.51	19.75	119.59	-173.99	-3,497.39	3,564.49	3,525.28	39.21	90.905	
6,500.00	6,494.38	6,701.33	6,695.71	19.59	19.84	119.59	-181.64	-3,493.21	3,564.75	3,525.38	39.37	90.541	
6,600.00	6,594.00	6,801.33	6,795.33	19.68	19.93	119.59	-189.28	-3,489.03	3,565.00	3,525.46	39.55	90.148	
6,700.00	6,693.62	6,901.33	6,894.95	19.77	20.03	119.59	-196.93	-3,484.85	3,565.26	3,525.53	39.73	89.727	
6,800.00	6,793.24	7,001.33	6,994.57	19.87	20.13	119.58	-204.58	-3,480.67	3,565.52	3,525.58	39.94	89.279	
6,900.00	6,892.85	7,101.33	7,094.19	19.98	20.24	119.58	-212.22	-3,476.49	3,565.77	3,525.62	40.15	88.805	
7,000.00	6,992.47	7,201.33	7,193.81	20.10	20.36	119.58	-219.87	-3,472.31	3,566.03	3,525.65	40.38	88.308	
7,100.00	7,092.09	7,301.33	7,293.43	20.22	20.49	119.58	-227.52	-3,468.13	3,566.28	3,525.66	40.62	87.788	
7,200.00	7,191.71	7,398.67	7,393.05	20.35	20.62	119.58	-235.17	-3,463.95	3,566.54	3,525.66	40.88	87.254	
7,300.00	7,291.33	7,501.33	7,492.67	20.48	20.76	119.57	-242.81	-3,459.77	3,566.79	3,525.65	41.15	86.685	
7,400.00	7,390.95	7,601.33	7,592.29	20.63	20.90	119.57	-250.46	-3,455.59	3,567.05	3,525.62	41.43	86.106	
7,500.00	7,490.57	7,698.67	7,691.91	20.77	21.05	119.57	-258.11	-3,451.41	3,567.31	3,525.59	41.71	85.517	
7,600.00	7,590.19	7,798.66	7,791.52	20.93	21.21	119.57	-265.76	-3,447.23	3,567.56	3,525.54	42.02	84.905	
7,700.00	7,689.81	7,901.34	7,891.14	21.09	21.37	119.56	-273.40	-3,443.05	3,567.82	3,525.48	42.34	84.270	
7,800.00	7,789.43	8,001.34	7,990.76	21.25	21.54	119.56	-281.05	-3,438.87	3,568.07	3,525.41	42.66	83.631	
7,900.00	7,889.05	8,101.34	8,090.38	21.42	21.71	119.56	-288.70	-3,434.68	3,568.33	3,525.33	43.00	82.980	
8,000.00	7,988.67	8,201.34	8,190.00	21.60	21.89	119.56	-296.35	-3,430.50	3,568.59	3,525.23	43.35	82.318	
8,100.00	8,088.29	8,301.34	8,289.62	21.78	22.08	119.55	-303.99	-3,426.32	3,568.84	3,525.13	43.71	81.647	
8,200.00	8,187.91	8,401.34	8,389.24	21.97	22.27	119.55	-311.64	-3,422.14	3,569.10	3,525.02	44.08	80.969	
8,300.00	8,287.53	8,498.66	8,488.86	22.16	22.46	119.55	-319.29	-3,417.96	3,569.35	3,524.90	44.45	80.292	
8,400.00	8,387.15	8,601.34	8,588.48	22.36	22.66	119.55	-326.94	-3,413.78	3,569.61	3,524.76	44.85	79.592	
8,500.00	8,486.77	8,681.51	8,671.02	22.56	22.82	119.55	-333.09	-3,410.42	3,570.00	3,524.79	45.21	78.962	
8,600.00	8,586.39	8,751.23	8,740.59	22.77	22.96	119.57	-337.24	-3,408.15	3,571.16	3,525.60	45.56	78.385	
8,700.00	8,686.01	8,820.89	8,810.16	22.98	23.10	119.60	-340.26	-3,406.50	3,573.17	3,527.26	45.91	77.833	
8,800.00	8,785.62	8,890.43	8,879.66	23.20	23.24	119.66	-342.17	-3,405.45	3,576.03	3,529.77	46.26	77.306	
8,900.00	8,885.24	8,959.80	8,949.03	23.42	23.37	119.73	-342.97	-3,405.02	3,579.74	3,533.14	46.60	76.813	
9,000.00	8,984.86	9,052.64	9,041.86	23.65	23.54	119.84	-343.00	-3,405.00	3,584.06	3,537.08	46.99	76.276	
9,100.00	9,084.48	9,152.26	9,141.48	23.88	23.72	119.96	-343.00	-3,405.00	3,588.42	3,541.03	47.39	75.720	
9,197.75	9,181.86	9,249.64	9,238.86	24.10	23.90	120.08	-343.00	-3,405.00	3,592.70	3,544.90	47.79	75.174	
9,200.00	9,184.10	9,251.87	9,241.10	24.11	23.90	120.08	-343.00	-3,405.00	3,592.79	3,544.99	47.80	75.162	
9,300.00	9,283.83	9,351.60	9,340.83	24.34	24.09	120.23	-343.00	-3,405.00	3,596.50	3,548.28	48.21	74.593	
9,400.00	9,383.71	9,451.49	9,440.71	24.57	24.28	120.33	-343.00	-3,405.00	3,598.89	3,550.26	48.63	74.008	
9,500.00	9,483.69	9,551.46	9,540.69	24.78	24.48	120.37	-343.00	-3,405.00	3,599.96	3,550.92	49.04	73.406	
9,531.09	9,514.78	9,582.55	9,571.78	24.85	24.54	-90.21	-343.00	-3,405.00	3,600.02	3,550.86	49.17	73.222	
9,600.00	9,583.69	9,651.46	9,640.69	24.98	24.68	-90.21	-343.00	-3,405.00	3,600.02	3,550.59	49.44	72.822	
9,700.00	9,683.69	9,751.46	9,740.69	25.17	24.88	-90.21	-343.00	-3,405.00	3,600.02	3,550.19	49.83	72.240	
9,800.00	9,783.69	9,851.46	9,840.69	25.37	25.09	-90.21	-343.00	-3,405.00	3,600.02	3,549.78	50.24	71.658	
9,900.00	9,883.69	9,951.46	9,940.69	25.57	25.30	-90.21	-343.00	-3,405.00	3,600.02	3,549.37	50.65	71.075	
10,000.00	9,983.69	10,051.46	10,040.69	25.77	25.51	-90.21	-343.00	-3,405.00	3,600.02	3,548.95	51.07	70.493	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
10,100.00	10,083.69	10,151.46	10,140.69	25.98	25.73	-90.21	-343.00	-3,405.00	3,600.02	3,548.53	51.49	69.911	
10,200.00	10,183.69	10,251.46	10,240.69	26.19	25.95	-90.21	-343.00	-3,405.00	3,600.02	3,548.10	51.93	69.330	
10,300.00	10,283.69	10,351.46	10,340.69	26.41	26.17	-90.21	-343.00	-3,405.00	3,600.02	3,547.66	52.36	68.750	
10,400.00	10,383.69	10,451.46	10,440.69	26.62	26.40	-90.21	-343.00	-3,405.00	3,600.02	3,547.22	52.81	68.172	
10,500.00	10,483.69	10,551.46	10,540.69	26.84	26.62	-90.21	-343.00	-3,405.00	3,600.02	3,546.77	53.26	67.596	
10,600.00	10,583.69	10,651.46	10,640.69	27.07	26.86	-90.21	-343.00	-3,405.00	3,600.02	3,546.31	53.71	67.023	
10,700.00	10,683.69	10,751.46	10,740.69	27.29	27.09	-90.21	-343.00	-3,405.00	3,600.02	3,545.85	54.17	66.452	
10,800.00	10,783.69	10,851.46	10,840.69	27.52	27.33	-90.21	-343.00	-3,405.00	3,600.02	3,545.38	54.64	65.884	
10,900.00	10,883.69	10,951.46	10,940.69	27.75	27.57	-90.21	-343.00	-3,405.00	3,600.02	3,544.91	55.11	65.320	
11,000.00	10,983.69	11,051.46	11,040.69	27.99	27.81	-90.21	-343.00	-3,405.00	3,600.02	3,544.43	55.59	64.759	
11,100.00	11,083.69	11,151.46	11,140.69	28.23	28.05	-90.21	-343.00	-3,405.00	3,600.02	3,543.95	56.07	64.201	
11,200.00	11,183.69	11,251.46	11,240.69	28.46	28.30	-90.21	-343.00	-3,405.00	3,600.02	3,543.46	56.56	63.648	
11,300.00	11,283.69	11,351.46	11,340.69	28.71	28.55	-90.21	-343.00	-3,405.00	3,600.02	3,542.97	57.05	63.099	
11,400.00	11,383.69	11,451.46	11,440.69	28.95	28.80	-90.21	-343.00	-3,405.00	3,600.02	3,542.47	57.55	62.554	
11,500.00	11,483.69	11,551.46	11,540.69	29.20	29.06	-90.21	-343.00	-3,405.00	3,600.02	3,541.97	58.05	62.013	
11,600.00	11,583.69	11,651.46	11,640.69	29.45	29.31	-90.21	-343.00	-3,405.00	3,600.02	3,541.46	58.56	61.477	
11,700.00	11,683.69	11,751.46	11,740.69	29.70	29.57	-90.21	-343.00	-3,405.00	3,600.02	3,540.95	59.07	60.946	
11,800.00	11,783.69	11,851.46	11,840.69	29.95	29.83	-90.21	-343.00	-3,405.00	3,600.02	3,540.44	59.58	60.419	
11,900.00	11,883.69	11,951.46	11,940.69	30.21	30.10	-90.21	-343.00	-3,405.00	3,600.02	3,539.92	60.10	59.897	
11,903.25	11,886.94	11,954.71	11,943.94	30.22	30.10	-90.21	-343.00	-3,405.00	3,600.02	3,539.90	60.12	59.881	
11,983.31	11,967.00	12,034.52	12,023.74	30.42	30.31	-90.20	-342.51	-3,405.00	3,600.02	3,539.49	60.54	59.469	
12,000.00	11,983.69	12,051.00	12,040.19	30.46	30.36	-89.79	-341.59	-3,405.01	3,600.03	3,539.40	60.62	59.385	
12,050.00	12,033.54	12,100.26	12,089.13	30.59	30.48	-89.76	-336.03	-3,405.04	3,600.02	3,539.16	60.87	59.147	
12,100.00	12,082.88	12,149.37	12,137.25	30.70	30.59	-89.73	-326.32	-3,405.09	3,600.01	3,538.92	61.09	58.926	
12,150.00	12,131.35	12,198.31	12,184.21	30.80	30.70	-89.70	-312.58	-3,405.16	3,600.00	3,538.69	61.31	58.722	
12,200.00	12,178.56	12,247.11	12,229.69	30.90	30.81	-89.67	-294.95	-3,405.25	3,599.98	3,538.47	61.50	58.533	
12,250.00	12,224.16	12,295.76	12,273.38	30.98	30.90	-89.65	-273.57	-3,405.36	3,599.95	3,538.26	61.69	58.356	
12,300.00	12,267.81	12,344.29	12,315.00	31.06	30.99	-89.63	-248.64	-3,405.49	3,599.91	3,538.05	61.86	58.190	
12,350.00	12,309.16	12,392.71	12,354.27	31.13	31.08	-89.61	-220.35	-3,405.64	3,599.87	3,537.84	62.03	58.030	
12,400.00	12,347.92	12,441.02	12,390.93	31.19	31.16	-89.60	-188.91	-3,405.81	3,599.82	3,537.62	62.20	57.874	
12,450.00	12,383.77	12,489.23	12,424.76	31.25	31.24	-89.59	-154.57	-3,405.99	3,599.77	3,537.40	62.37	57.718	
12,500.00	12,416.45	12,537.37	12,455.53	31.31	31.33	-89.58	-117.57	-3,406.18	3,599.71	3,537.17	62.54	57.558	
12,550.00	12,445.71	12,585.44	12,483.05	31.37	31.42	-89.57	-78.18	-3,406.39	3,599.64	3,536.92	62.72	57.391	
12,600.00	12,471.33	12,633.45	12,507.14	31.43	31.53	-89.57	-36.67	-3,406.60	3,599.57	3,536.66	62.91	57.214	
12,650.00	12,493.11	12,681.43	12,527.67	31.51	31.64	-89.57	6.68	-3,406.83	3,599.50	3,536.38	63.12	57.025	
12,700.00	12,510.88	12,729.37	12,544.48	31.60	31.76	-89.58	51.57	-3,407.07	3,599.42	3,536.07	63.35	56.821	
12,750.00	12,524.52	12,777.31	12,557.48	31.70	31.90	-89.58	97.69	-3,407.31	3,599.33	3,535.74	63.59	56.602	
12,783.31	12,531.25	12,812.37	12,563.98	37.07	37.03	-89.59	128.89	-3,407.47	3,599.28	3,535.54	63.74	56.470	
12,808.31	12,535.59	12,834.18	12,568.32	37.09	37.04	-89.59	153.51	-3,407.60	3,599.23	3,535.43	63.80	56.413	
12,850.00	12,541.94	12,872.07	12,574.22	37.11	37.06	-89.59	190.93	-3,407.81	3,599.17	3,535.23	63.93	56.295	
12,900.00	12,547.16	12,917.34	12,579.31	37.13	37.09	-89.60	235.91	-3,408.10	3,599.11	3,534.99	64.13	56.126	
12,950.00	12,549.78	12,962.63	12,582.27	37.16	37.11	-89.61	281.10	-3,408.44	3,599.08	3,534.72	64.35	55.925	
12,975.01	12,550.10	12,985.29	12,582.95	37.17	37.12	-89.62	303.75	-3,408.63	3,599.07	3,534.58	64.48	55.813	
12,984.34	12,550.10	13,012.15	12,583.11	37.18	37.14	-89.62	311.30	-3,408.70	3,599.06	3,534.47	64.60	55.716	
13,000.00	12,550.10	13,008.51	12,583.11	37.19	37.13	-89.62	326.97	-3,408.83	3,599.07	3,534.44	64.63	55.691	
13,100.00	12,550.10	13,108.51	12,583.10	37.24	37.19	-89.62	426.96	-3,409.72	3,599.09	3,533.78	65.31	55.104	
13,200.00	12,550.10	13,208.51	12,583.10	37.30	37.24	-89.62	526.96	-3,410.61	3,599.12	3,532.96	66.16	54.398	
13,300.00	12,550.10	13,308.51	12,583.10	37.36	37.30	-89.62	626.95	-3,411.50	3,599.15	3,531.98	67.16	53.588	
13,400.00	12,550.09	13,408.51	12,583.10	37.43	37.36	-89.62	726.95	-3,412.38	3,599.17	3,530.86	68.31	52.688	
13,500.00	12,550.09	13,508.51	12,583.09	37.51	37.43	-89.62	826.95	-3,413.27	3,599.20	3,529.60	69.60	51.714	
13,600.00	12,550.09	13,608.51	12,583.09	37.60	37.51	-89.62	926.94	-3,414.16	3,599.22	3,528.21	71.02	50.681	
13,700.00	12,550.09	13,708.51	12,583.09	37.72	37.62	-89.62	1,026.94	-3,415.05	3,599.25	3,526.69	72.56	49.603	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**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
13,800.00	12,550.08	13,808.51	12,583.09	37.93	37.86	-89.62	1,126.94	-3,415.93	3,599.28	3,525.06	74.22	48.495	
13,900.00	12,550.08	13,908.51	12,583.08	38.31	38.49	-89.62	1,226.93	-3,416.82	3,599.30	3,523.31	75.99	47.366	
14,000.00	12,550.08	14,008.51	12,583.08	38.97	39.37	-89.62	1,326.93	-3,417.71	3,599.33	3,521.47	77.86	46.229	
14,100.00	12,550.08	14,108.51	12,583.08	39.82	40.34	-89.62	1,426.92	-3,418.60	3,599.35	3,519.53	79.82	45.092	
14,200.00	12,550.07	14,208.51	12,583.08	40.77	41.36	-89.62	1,526.92	-3,419.48	3,599.38	3,517.51	81.87	43.963	
14,300.00	12,550.07	14,308.51	12,583.07	41.79	42.43	-89.62	1,626.92	-3,420.37	3,599.40	3,515.40	84.01	42.847	
14,400.00	12,550.07	14,408.51	12,583.07	42.87	43.53	-89.62	1,726.91	-3,421.26	3,599.43	3,513.22	86.21	41.751	
14,500.00	12,550.07	14,508.51	12,583.07	43.98	44.68	-89.62	1,826.91	-3,422.15	3,599.46	3,510.97	88.49	40.677	
14,600.00	12,550.06	14,608.51	12,583.07	45.13	45.85	-89.62	1,926.90	-3,423.03	3,599.48	3,508.65	90.83	39.629	
14,700.00	12,550.06	14,708.51	12,583.06	46.31	47.06	-89.62	2,026.90	-3,423.92	3,599.51	3,506.28	93.23	38.609	
14,800.00	12,550.06	14,808.51	12,583.06	47.53	48.29	-89.62	2,126.90	-3,424.81	3,599.53	3,503.85	95.69	37.618	
14,900.00	12,550.06	14,908.51	12,583.06	48.77	49.55	-89.62	2,226.89	-3,425.70	3,599.56	3,501.37	98.19	36.658	
15,000.00	12,550.05	15,008.51	12,583.06	50.03	50.83	-89.62	2,326.89	-3,426.58	3,599.59	3,498.84	100.74	35.730	
15,100.00	12,550.05	15,108.51	12,583.05	51.32	52.13	-89.62	2,426.88	-3,427.47	3,599.61	3,496.27	103.34	34.832	
15,200.00	12,550.05	15,208.51	12,583.05	52.63	53.45	-89.62	2,526.88	-3,428.36	3,599.64	3,493.66	105.98	33.966	
15,300.00	12,550.05	15,308.51	12,583.05	53.96	54.79	-89.62	2,626.88	-3,429.25	3,599.66	3,491.01	108.65	33.130	
15,400.00	12,550.05	15,408.51	12,583.05	55.31	56.15	-89.62	2,726.87	-3,430.14	3,599.69	3,488.33	111.36	32.325	
15,500.00	12,550.04	15,508.51	12,583.04	56.67	57.52	-89.62	2,826.87	-3,431.02	3,599.71	3,485.61	114.10	31.548	
15,600.00	12,550.04	15,608.51	12,583.04	58.05	58.91	-89.62	2,926.86	-3,431.91	3,599.74	3,482.87	116.87	30.800	
15,700.00	12,550.04	15,708.51	12,583.04	59.45	60.31	-89.62	3,026.86	-3,432.80	3,599.77	3,480.09	119.67	30.080	
15,800.00	12,550.04	15,808.51	12,583.04	60.85	61.73	-89.62	3,126.86	-3,433.69	3,599.79	3,477.30	122.50	29.387	
15,900.00	12,550.03	15,908.51	12,583.03	62.27	63.15	-89.62	3,226.85	-3,434.57	3,599.82	3,474.47	125.35	28.719	
16,000.00	12,550.03	16,008.51	12,583.03	63.70	64.59	-89.62	3,326.85	-3,435.46	3,599.84	3,471.63	128.22	28.076	
16,100.00	12,550.03	16,108.51	12,583.03	65.15	66.04	-89.62	3,426.84	-3,436.35	3,599.87	3,468.76	131.11	27.457	
16,200.00	12,550.03	16,208.51	12,583.03	66.60	67.50	-89.62	3,526.84	-3,437.24	3,599.90	3,465.87	134.02	26.860	
16,300.00	12,550.02	16,308.51	12,583.02	68.06	68.96	-89.62	3,626.84	-3,438.12	3,599.92	3,462.97	136.95	26.286	
16,400.00	12,550.02	16,408.51	12,583.02	69.53	70.44	-89.62	3,726.83	-3,439.01	3,599.95	3,460.05	139.90	25.732	
16,500.00	12,550.02	16,508.51	12,583.02	71.01	71.92	-89.62	3,826.83	-3,439.90	3,599.97	3,457.11	142.87	25.198	
16,600.00	12,550.02	16,608.51	12,583.02	72.50	73.41	-89.62	3,926.82	-3,440.79	3,600.00	3,454.15	145.84	24.684	
16,700.00	12,550.01	16,708.51	12,583.01	73.99	74.91	-89.62	4,026.82	-3,441.67	3,600.02	3,451.19	148.84	24.187	
16,800.00	12,550.01	16,808.51	12,583.01	75.49	76.42	-89.62	4,126.82	-3,442.56	3,600.05	3,448.20	151.85	23.709	
16,900.00	12,550.01	16,908.51	12,583.01	77.00	77.93	-89.62	4,226.81	-3,443.45	3,600.08	3,445.21	154.87	23.246	
17,000.00	12,550.01	17,008.51	12,583.01	78.52	79.45	-89.62	4,326.81	-3,444.34	3,600.10	3,442.20	157.90	22.800	
17,100.00	12,550.00	17,108.51	12,583.01	80.03	80.97	-89.62	4,426.81	-3,445.22	3,600.13	3,439.19	160.94	22.369	
17,200.00	12,550.00	17,208.51	12,583.00	81.56	82.50	-89.62	4,526.80	-3,446.11	3,600.15	3,436.16	164.00	21.953	
17,295.25	12,550.00	17,303.76	12,583.00	83.02	83.96	-89.62	4,622.05	-3,446.96	3,600.18	3,433.26	166.91	21.569 ES, SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	25.00	25.00	0.00	0.03	-93.63	-99.00	-1,560.00	1,563.14				
100.00	100.00	125.00	125.00	0.13	0.22	-93.63	-99.00	-1,560.00	1,563.14	1,562.79	0.34	4,542.250	
200.00	200.00	225.00	225.00	0.49	0.58	-93.63	-99.00	-1,560.00	1,563.14	1,562.08	1.06	1,473.163	
300.00	300.00	325.00	325.00	0.84	0.93	-93.63	-99.00	-1,560.00	1,563.14	1,561.36	1.78	879.146	
400.00	400.00	425.00	425.00	1.20	1.29	-93.63	-99.00	-1,560.00	1,563.14	1,560.64	2.49	626.518	
500.00	500.00	525.00	525.00	1.56	1.65	-93.63	-99.00	-1,560.00	1,563.14	1,559.93	3.21	486.670	
600.00	600.00	625.00	625.00	1.92	2.01	-93.63	-99.00	-1,560.00	1,563.14	1,559.21	3.93	397.862	
700.00	700.00	725.00	725.00	2.28	2.37	-93.63	-99.00	-1,560.00	1,563.14	1,558.49	4.65	336.463	
800.00	800.00	825.00	825.00	2.64	2.73	-93.63	-99.00	-1,560.00	1,563.14	1,557.78	5.36	291.482	
900.00	900.00	925.00	925.00	3.00	3.08	-93.63	-99.00	-1,560.00	1,563.14	1,557.06	6.08	257.109	
1,000.00	1,000.00	1,025.00	1,025.00	3.35	3.44	-93.63	-99.00	-1,560.00	1,563.14	1,556.34	6.80	229.988	
1,100.00	1,100.00	1,125.00	1,125.00	3.71	3.80	-93.63	-99.00	-1,560.00	1,563.14	1,555.62	7.51	208.042	
1,200.00	1,200.00	1,225.00	1,225.00	4.07	4.16	-93.63	-99.00	-1,560.00	1,563.14	1,554.91	8.23	189.920	
1,300.00	1,300.00	1,325.00	1,325.00	4.43	4.52	-93.63	-99.00	-1,560.00	1,563.14	1,554.19	8.95	174.702	
1,400.00	1,400.00	1,425.00	1,425.00	4.79	4.88	-93.63	-99.00	-1,560.00	1,563.14	1,553.47	9.66	161.742	
1,500.00	1,500.00	1,525.00	1,525.00	5.15	5.24	-93.63	-99.00	-1,560.00	1,563.14	1,552.76	10.38	150.572	
1,600.00	1,600.00	1,625.00	1,625.00	5.50	5.59	-93.63	-99.00	-1,560.00	1,563.14	1,552.04	11.10	140.845	
1,700.00	1,700.00	1,725.00	1,725.00	5.86	5.95	-93.63	-99.00	-1,560.00	1,563.14	1,551.32	11.82	132.299	
1,800.00	1,800.00	1,825.00	1,825.00	6.22	6.31	-93.63	-99.00	-1,560.00	1,563.14	1,550.61	12.53	124.730	
1,900.00	1,900.00	1,925.00	1,925.00	6.58	6.67	-93.63	-99.00	-1,560.00	1,563.14	1,549.89	13.25	117.981	
2,000.00	2,000.00	2,025.00	2,025.00	6.94	7.03	-93.63	-99.00	-1,560.00	1,563.14	1,549.17	13.97	111.924	
2,100.00	2,100.00	2,125.00	2,125.00	7.30	7.39	-93.63	-99.00	-1,560.00	1,563.14	1,548.46	14.68	106.459	
2,200.00	2,200.00	2,225.00	2,225.00	7.66	7.74	-93.63	-99.00	-1,560.00	1,563.14	1,547.74	15.40	101.503	
2,300.00	2,300.00	2,325.00	2,325.00	8.01	8.10	-93.63	-99.00	-1,560.00	1,563.14	1,547.02	16.12	96.988	
2,400.00	2,400.00	2,425.00	2,425.00	8.37	8.46	-93.63	-99.00	-1,560.00	1,563.14	1,546.30	16.83	92.857	
2,500.00	2,500.00	2,525.00	2,525.00	8.73	8.82	-93.63	-99.00	-1,560.00	1,563.14	1,545.59	17.55	89.064	
2,600.00	2,600.00	2,625.00	2,625.00	9.09	9.18	-93.63	-99.00	-1,560.00	1,563.14	1,544.87	18.27	85.568	
2,700.00	2,700.00	2,725.00	2,725.00	9.45	9.54	-93.63	-99.00	-1,560.00	1,563.14	1,544.15	18.98	82.337	
2,800.00	2,800.00	2,825.00	2,825.00	9.81	9.90	-93.63	-99.00	-1,560.00	1,563.14	1,543.44	19.70	79.341	
2,900.00	2,900.00	2,925.00	2,925.00	10.16	10.25	-93.63	-99.00	-1,560.00	1,563.14	1,542.72	20.42	76.555	
3,000.00	3,000.00	3,025.00	3,025.00	10.52	10.61	-93.63	-99.00	-1,560.00	1,563.14	1,542.00	21.14	73.958	
3,100.00	3,100.00	3,125.00	3,125.00	10.88	10.97	-93.63	-99.00	-1,560.00	1,563.14	1,541.29	21.85	71.532	
3,200.00	3,200.00	3,225.00	3,225.00	11.24	11.33	-93.63	-99.00	-1,560.00	1,563.14	1,540.57	22.57	69.259	
3,300.00	3,300.00	3,325.00	3,325.00	11.60	11.69	-93.63	-99.00	-1,560.00	1,563.14	1,539.85	23.29	67.127	
3,400.00	3,400.00	3,425.00	3,425.00	11.96	12.05	-93.63	-99.00	-1,560.00	1,563.14	1,539.13	24.00	65.122	
3,500.00	3,500.00	3,525.00	3,525.00	12.32	12.40	-93.63	-99.00	-1,560.00	1,563.14	1,538.42	24.72	63.233	
3,600.00	3,600.00	3,625.00	3,625.00	12.67	12.76	-93.63	-99.00	-1,560.00	1,563.14	1,537.70	25.44	61.451	
3,700.00	3,700.00	3,725.00	3,725.00	13.03	13.12	-93.63	-99.00	-1,560.00	1,563.14	1,536.98	26.15	59.767	
3,800.00	3,800.00	3,825.00	3,825.00	13.39	13.48	-93.63	-99.00	-1,560.00	1,563.14	1,536.27	26.87	58.172	
3,900.00	3,900.00	3,925.00	3,925.00	13.75	13.84	-93.63	-99.00	-1,560.00	1,563.14	1,535.55	27.59	56.660	
4,000.00	4,000.00	4,025.00	4,025.00	14.11	14.20	-93.63	-99.00	-1,560.00	1,563.14	1,534.83	28.30	55.225	
4,100.00	4,100.00	4,125.00	4,125.00	14.47	14.56	-93.63	-99.00	-1,560.00	1,563.14	1,534.12	29.02	53.861	
4,200.00	4,200.00	4,225.00	4,225.00	14.82	14.91	-93.63	-99.00	-1,560.00	1,563.14	1,533.40	29.74	52.562	
4,300.00	4,300.00	4,325.00	4,325.00	15.18	15.27	-93.63	-99.00	-1,560.00	1,563.14	1,532.68	30.46	51.325	
4,400.00	4,400.00	4,425.00	4,425.00	15.54	15.63	-93.63	-99.00	-1,560.00	1,563.14	1,531.97	31.17	50.144	
4,500.00	4,500.00	4,525.00	4,525.00	15.90	15.99	-93.63	-99.00	-1,560.00	1,563.14	1,531.25	31.89	49.017	
4,600.00	4,600.00	4,625.00	4,625.00	16.26	16.35	-93.63	-99.00	-1,560.00	1,563.14	1,530.53	32.61	47.939	
4,700.00	4,700.00	4,725.00	4,725.00	16.62	16.71	-93.63	-99.00	-1,560.00	1,563.14	1,529.81	33.32	46.908	
4,800.00	4,800.00	4,825.00	4,825.00	16.98	17.07	-93.63	-99.00	-1,560.00	1,563.14	1,529.10	34.04	45.920 CC	
4,900.00	4,899.99	4,924.99	4,924.99	17.32	17.42	116.98	-99.00	-1,560.00	1,563.73	1,528.99	34.74	45.013 ES	
5,000.00	4,999.91	5,024.91	5,024.91	17.64	17.78	117.09	-99.00	-1,560.00	1,565.52	1,530.10	35.42	44.196	
5,100.00	5,099.69	5,124.69	5,124.69	17.97	18.14	117.26	-99.00	-1,560.00	1,568.51	1,532.40	36.11	43.443	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,133.33	5,132.91	5,157.91	5,157.91	18.08	18.26	117.33	-99.00	-1,560.00	1,569.78	1,533.45	36.33	43.205	
5,200.00	5,199.32	5,224.32	5,224.32	18.30	18.50	117.52	-99.00	-1,560.00	1,572.46	1,535.67	36.79	42.743	
5,300.00	5,298.94	5,323.94	5,323.94	18.63	18.85	117.80	-99.00	-1,560.00	1,576.52	1,539.05	37.47	42.069	
5,400.00	5,398.56	5,423.56	5,423.56	18.96	19.17	118.08	-99.00	-1,560.00	1,580.62	1,542.50	38.12	41.464	
5,500.00	5,498.18	5,523.18	5,523.18	19.13	19.31	118.36	-99.00	-1,560.00	1,584.75	1,546.32	38.43	41.237	
5,600.00	5,597.80	5,622.80	5,622.80	19.14	19.32	118.63	-99.00	-1,560.00	1,588.92	1,550.47	38.45	41.325	
5,700.00	5,697.42	5,722.42	5,722.42	19.16	19.33	118.91	-99.00	-1,560.00	1,593.13	1,554.64	38.48	41.399	
5,800.00	5,797.04	5,820.20	5,820.20	19.19	19.35	119.17	-99.05	-1,560.01	1,597.38	1,558.85	38.53	41.459	
5,900.00	5,896.66	5,911.62	5,911.60	19.22	19.37	119.37	-100.60	-1,560.32	1,602.03	1,563.44	38.59	41.519	
6,000.00	5,996.28	6,003.20	6,003.10	19.26	19.40	119.48	-104.30	-1,561.06	1,607.21	1,568.55	38.65	41.580	
6,100.00	6,095.90	6,094.83	6,094.54	19.31	19.44	119.52	-110.15	-1,562.23	1,612.90	1,574.16	38.73	41.640	
6,200.00	6,195.52	6,191.19	6,190.55	19.37	19.48	119.50	-118.20	-1,563.84	1,619.01	1,580.18	38.83	41.692	
6,300.00	6,295.14	6,309.00	6,289.97	19.44	19.54	119.46	-126.73	-1,565.55	1,625.17	1,586.21	38.96	41.716	
6,400.00	6,394.76	6,409.20	6,389.40	19.51	19.60	119.43	-135.26	-1,567.25	1,631.33	1,592.24	39.09	41.734	
6,500.00	6,494.38	6,509.39	6,488.83	19.59	19.67	119.40	-143.79	-1,568.96	1,637.49	1,598.25	39.23	41.735	
6,600.00	6,594.00	6,590.41	6,588.25	19.68	19.73	119.37	-152.32	-1,570.66	1,643.64	1,604.26	39.38	41.738	
6,700.00	6,693.62	6,709.78	6,687.68	19.77	19.83	119.33	-160.85	-1,572.37	1,649.80	1,610.24	39.57	41.694	
6,800.00	6,793.24	6,809.97	6,787.10	19.87	19.92	119.30	-169.38	-1,574.08	1,655.97	1,616.21	39.76	41.651	
6,900.00	6,892.85	6,889.83	6,886.53	19.98	20.00	119.27	-177.91	-1,575.78	1,662.13	1,622.19	39.94	41.615	
7,000.00	6,992.47	6,989.64	6,985.96	20.10	20.10	119.24	-186.44	-1,577.49	1,668.29	1,628.13	40.15	41.546	
7,100.00	7,092.09	7,089.44	7,085.38	20.22	20.21	119.21	-194.97	-1,579.19	1,674.45	1,634.07	40.38	41.465	
7,200.00	7,191.71	7,189.25	7,184.81	20.35	20.33	119.18	-203.49	-1,580.90	1,680.61	1,639.99	40.62	41.370	
7,300.00	7,291.33	7,289.06	7,284.23	20.48	20.45	119.15	-212.02	-1,582.60	1,686.78	1,645.90	40.88	41.264	
7,400.00	7,390.95	7,388.86	7,383.66	20.63	20.58	119.12	-220.55	-1,584.31	1,692.94	1,651.80	41.14	41.147	
7,500.00	7,490.57	7,488.67	7,483.09	20.77	20.71	119.09	-229.08	-1,586.02	1,699.10	1,657.68	41.42	41.018	
7,600.00	7,590.19	7,588.47	7,582.51	20.93	20.86	119.06	-237.61	-1,587.72	1,705.27	1,663.55	41.71	40.880	
7,700.00	7,689.81	7,688.28	7,681.94	21.09	21.00	119.03	-246.14	-1,589.43	1,711.43	1,669.42	42.02	40.731	
7,800.00	7,789.43	7,788.08	7,781.36	21.25	21.16	119.00	-254.67	-1,591.13	1,717.60	1,675.27	42.33	40.574	
7,900.00	7,889.05	7,887.89	7,880.79	21.42	21.32	118.97	-263.20	-1,592.84	1,723.77	1,681.11	42.66	40.408	
8,000.00	7,988.67	7,987.70	7,980.22	21.60	21.48	118.94	-271.73	-1,594.55	1,729.93	1,686.94	43.00	40.234	
8,100.00	8,088.29	8,087.50	8,079.64	21.78	21.66	118.91	-280.26	-1,596.25	1,736.10	1,692.75	43.34	40.053	
8,200.00	8,187.91	8,187.31	8,179.07	21.97	21.83	118.88	-288.79	-1,597.96	1,742.27	1,698.56	43.70	39.865	
8,300.00	8,287.53	8,287.11	8,278.50	22.16	22.01	118.85	-297.32	-1,599.66	1,748.43	1,704.36	44.07	39.671	
8,400.00	8,387.15	8,386.92	8,377.92	22.36	22.20	118.83	-305.85	-1,601.37	1,754.60	1,710.15	44.45	39.471	
8,500.00	8,486.77	8,492.97	8,483.61	22.56	22.40	118.81	-314.45	-1,603.09	1,760.67	1,715.82	44.86	39.253	
8,600.00	8,586.39	8,604.29	8,594.74	22.77	22.62	118.89	-320.65	-1,604.33	1,766.16	1,720.89	45.27	39.014	
8,700.00	8,686.01	8,715.46	8,705.86	22.98	22.82	119.07	-323.67	-1,604.93	1,771.01	1,725.33	45.68	38.766	
8,800.00	8,785.62	8,820.22	8,810.62	23.20	23.00	119.31	-324.00	-1,605.00	1,775.34	1,729.27	46.08	38.531	
8,900.00	8,885.24	8,919.84	8,910.24	23.42	23.18	119.56	-324.00	-1,605.00	1,779.64	1,733.18	46.46	38.303	
9,000.00	8,984.86	9,019.46	9,009.86	23.65	23.35	119.80	-324.00	-1,605.00	1,783.97	1,737.11	46.86	38.073	
9,100.00	9,084.48	9,119.08	9,109.48	23.88	23.53	120.04	-324.00	-1,605.00	1,788.32	1,741.07	47.26	37.841	
9,197.75	9,181.86	9,216.46	9,206.86	24.10	23.71	120.28	-324.00	-1,605.00	1,792.62	1,744.96	47.66	37.613	
9,200.00	9,184.10	9,218.70	9,209.10	24.11	23.72	120.28	-324.00	-1,605.00	1,792.72	1,745.05	47.67	37.608	
9,300.00	9,283.83	9,318.42	9,308.83	24.34	23.90	120.53	-324.00	-1,605.00	1,796.44	1,748.36	48.08	37.362	
9,400.00	9,383.71	9,418.31	9,408.71	24.57	24.10	120.69	-324.00	-1,605.00	1,798.86	1,750.36	48.50	37.093	
9,500.00	9,483.69	9,518.28	9,508.69	24.78	24.29	120.77	-324.00	-1,605.00	1,799.95	1,751.04	48.91	36.802	
9,531.09	9,514.78	9,549.37	9,539.78	24.85	24.35	-89.81	-324.00	-1,605.00	1,800.01	1,750.98	49.03	36.710	
9,600.00	9,583.69	9,618.28	9,608.69	24.98	24.49	-89.81	-324.00	-1,605.00	1,800.01	1,750.71	49.30	36.509	
9,700.00	9,683.69	9,718.28	9,708.69	25.17	24.70	-89.81	-324.00	-1,605.00	1,800.01	1,750.31	49.70	36.216	
9,800.00	9,783.69	9,818.28	9,808.69	25.37	24.90	-89.81	-324.00	-1,605.00	1,800.01	1,749.90	50.11	35.924	
9,900.00	9,883.69	9,918.28	9,908.69	25.57	25.11	-89.81	-324.00	-1,605.00	1,800.01	1,749.49	50.52	35.631	
10,000.00	9,983.69	10,018.28	10,008.69	25.77	25.33	-89.81	-324.00	-1,605.00	1,800.01	1,749.07	50.94	35.338	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,100.00	10,083.69	10,118.28	10,108.69	25.98	25.54	-89.81	-324.00	-1,605.00	1,800.01	1,748.65	51.36	35.045	
10,200.00	10,183.69	10,218.28	10,208.69	26.19	25.76	-89.81	-324.00	-1,605.00	1,800.01	1,748.22	51.79	34.753	
10,300.00	10,283.69	10,318.28	10,308.69	26.41	25.99	-89.81	-324.00	-1,605.00	1,800.01	1,747.78	52.23	34.462	
10,400.00	10,383.69	10,418.28	10,408.69	26.62	26.21	-89.81	-324.00	-1,605.00	1,800.01	1,747.33	52.68	34.171	
10,500.00	10,483.69	10,518.28	10,508.69	26.84	26.44	-89.81	-324.00	-1,605.00	1,800.01	1,746.88	53.13	33.881	
10,600.00	10,583.69	10,618.28	10,608.69	27.07	26.67	-89.81	-324.00	-1,605.00	1,800.01	1,746.43	53.58	33.593	
10,700.00	10,683.69	10,718.28	10,708.69	27.29	26.91	-89.81	-324.00	-1,605.00	1,800.01	1,745.97	54.04	33.306	
10,800.00	10,783.69	10,818.28	10,808.69	27.52	27.15	-89.81	-324.00	-1,605.00	1,800.01	1,745.50	54.51	33.021	
10,900.00	10,883.69	10,918.28	10,908.69	27.75	27.39	-89.81	-324.00	-1,605.00	1,800.01	1,745.03	54.98	32.737	
11,000.00	10,983.69	11,018.28	11,008.69	27.99	27.63	-89.81	-324.00	-1,605.00	1,800.01	1,744.55	55.46	32.455	
11,100.00	11,083.69	11,118.28	11,108.69	28.23	27.87	-89.81	-324.00	-1,605.00	1,800.01	1,744.07	55.94	32.175	
11,200.00	11,183.69	11,218.28	11,208.69	28.46	28.12	-89.81	-324.00	-1,605.00	1,800.01	1,743.58	56.43	31.897	
11,300.00	11,283.69	11,318.28	11,308.69	28.71	28.37	-89.81	-324.00	-1,605.00	1,800.01	1,743.09	56.92	31.621	
11,400.00	11,383.69	11,418.28	11,408.69	28.95	28.62	-89.81	-324.00	-1,605.00	1,800.01	1,742.59	57.42	31.347	
11,500.00	11,483.69	11,518.28	11,508.69	29.20	28.88	-89.81	-324.00	-1,605.00	1,800.01	1,742.09	57.92	31.075	
11,600.00	11,583.69	11,618.28	11,608.69	29.45	29.14	-89.81	-324.00	-1,605.00	1,800.01	1,741.58	58.43	30.806	
11,700.00	11,683.69	11,718.28	11,708.69	29.70	29.39	-89.81	-324.00	-1,605.00	1,800.01	1,741.07	58.94	30.539	
11,800.00	11,783.69	11,818.28	11,808.69	29.95	29.65	-89.81	-324.00	-1,605.00	1,800.01	1,740.55	59.46	30.275	
11,900.00	11,883.69	11,918.28	11,908.69	30.21	29.92	-89.81	-324.00	-1,605.00	1,800.01	1,740.03	59.98	30.012	
11,909.23	11,892.92	11,927.52	11,917.92	30.23	29.94	-89.81	-324.00	-1,605.00	1,800.01	1,739.99	60.02	29.988	
11,983.31	11,967.00	12,001.28	11,991.68	30.42	30.14	-89.81	-323.88	-1,605.00	1,800.01	1,739.60	60.41	29.797	
12,000.00	11,983.69	12,017.52	12,007.91	30.46	30.18	-89.39	-323.32	-1,605.00	1,800.01	1,739.52	60.49	29.755	
12,050.00	12,033.54	12,066.12	12,056.30	30.59	30.30	-89.37	-318.90	-1,605.03	1,800.02	1,739.28	60.74	29.635	
12,100.00	12,082.88	12,114.66	12,104.07	30.70	30.42	-89.34	-310.41	-1,605.07	1,800.01	1,739.04	60.97	29.524	
12,150.00	12,131.35	12,163.14	12,150.90	30.80	30.53	-89.32	-297.92	-1,605.14	1,799.99	1,738.81	61.18	29.421	
12,200.00	12,178.56	12,211.57	12,196.46	30.90	30.63	-89.31	-281.54	-1,605.22	1,799.97	1,738.59	61.38	29.325	
12,250.00	12,224.16	12,259.96	12,240.44	30.98	30.73	-89.30	-261.39	-1,605.33	1,799.94	1,738.37	61.57	29.235	
12,300.00	12,267.81	12,308.33	12,282.55	31.06	30.82	-89.30	-237.61	-1,605.45	1,799.90	1,738.16	61.74	29.151	
12,350.00	12,309.16	12,356.68	12,322.48	31.13	30.92	-89.30	-210.37	-1,605.59	1,799.85	1,737.94	61.91	29.070	
12,400.00	12,347.92	12,405.03	12,359.98	31.19	31.01	-89.30	-179.87	-1,605.75	1,799.80	1,737.72	62.08	28.991	
12,450.00	12,383.77	12,453.39	12,394.78	31.25	31.10	-89.32	-146.31	-1,605.93	1,799.73	1,737.49	62.25	28.912	
12,500.00	12,416.45	12,501.77	12,426.64	31.31	31.19	-89.33	-109.92	-1,606.12	1,799.66	1,737.24	62.42	28.831	
12,550.00	12,445.71	12,550.19	12,455.33	31.37	31.29	-89.35	-70.95	-1,606.33	1,799.59	1,736.99	62.60	28.747	
12,600.00	12,471.33	12,598.64	12,480.66	31.43	31.40	-89.38	-29.66	-1,606.54	1,799.51	1,736.72	62.79	28.658	
12,650.00	12,493.11	12,647.15	12,502.42	31.51	31.52	-89.41	13.67	-1,606.77	1,799.42	1,736.42	63.00	28.562	
12,700.00	12,510.88	12,695.72	12,520.47	31.60	31.64	-89.45	58.75	-1,607.00	1,799.33	1,736.11	63.23	28.459	
12,750.00	12,524.52	12,744.36	12,534.65	31.70	31.78	-89.49	105.27	-1,607.25	1,799.24	1,735.77	63.47	28.348	
12,783.31	12,531.25	12,776.81	12,541.89	37.07	31.87	-89.52	136.90	-1,607.41	1,799.18	1,735.56	63.62	28.280	
12,808.31	12,535.59	12,801.49	12,546.32	37.09	36.93	-89.52	161.17	-1,607.54	1,799.13	1,735.42	63.71	28.238	
12,850.00	12,541.94	12,841.70	12,552.92	37.11	36.95	-89.54	200.83	-1,607.76	1,799.06	1,735.21	63.84	28.179	
12,900.00	12,547.16	12,889.14	12,558.66	37.13	36.97	-89.56	247.91	-1,608.06	1,798.99	1,734.95	64.04	28.092	
12,950.00	12,549.78	12,936.62	12,562.06	37.16	37.00	-89.59	295.27	-1,608.41	1,798.94	1,734.67	64.27	27.990	
12,975.01	12,550.10	12,960.38	12,562.88	37.17	37.01	-89.61	319.02	-1,608.60	1,798.93	1,734.53	64.40	27.933	
12,987.12	12,550.10	12,971.90	12,563.06	37.18	37.02	-89.62	330.53	-1,608.70	1,798.93	1,734.46	64.47	27.903	
13,000.00	12,550.10	12,984.29	12,563.11	37.19	37.02	-89.62	342.92	-1,608.81	1,798.93	1,734.39	64.54	27.871	
13,100.00	12,550.10	13,084.29	12,563.10	37.24	37.07	-89.62	442.92	-1,609.70	1,798.96	1,733.72	65.24	27.577	
13,200.00	12,550.10	13,184.29	12,563.10	37.30	37.13	-89.62	542.91	-1,610.59	1,798.99	1,732.91	66.08	27.224	
13,300.00	12,550.10	13,284.29	12,563.10	37.36	37.18	-89.62	642.91	-1,611.47	1,799.01	1,731.93	67.08	26.819	
13,400.00	12,550.09	13,384.29	12,563.10	37.43	37.24	-89.62	742.91	-1,612.36	1,799.04	1,730.82	68.22	26.369	
13,500.00	12,550.09	13,484.29	12,563.09	37.51	37.29	-89.62	842.90	-1,613.25	1,799.07	1,729.56	69.51	25.882	
13,600.00	12,550.09	13,584.29	12,563.09	37.60	37.36	-89.62	942.90	-1,614.14	1,799.09	1,728.17	70.93	25.365	
13,700.00	12,550.09	13,684.29	12,563.09	37.72	37.42	-89.62	1,042.89	-1,615.03	1,799.12	1,726.65	72.47	24.826	

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:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

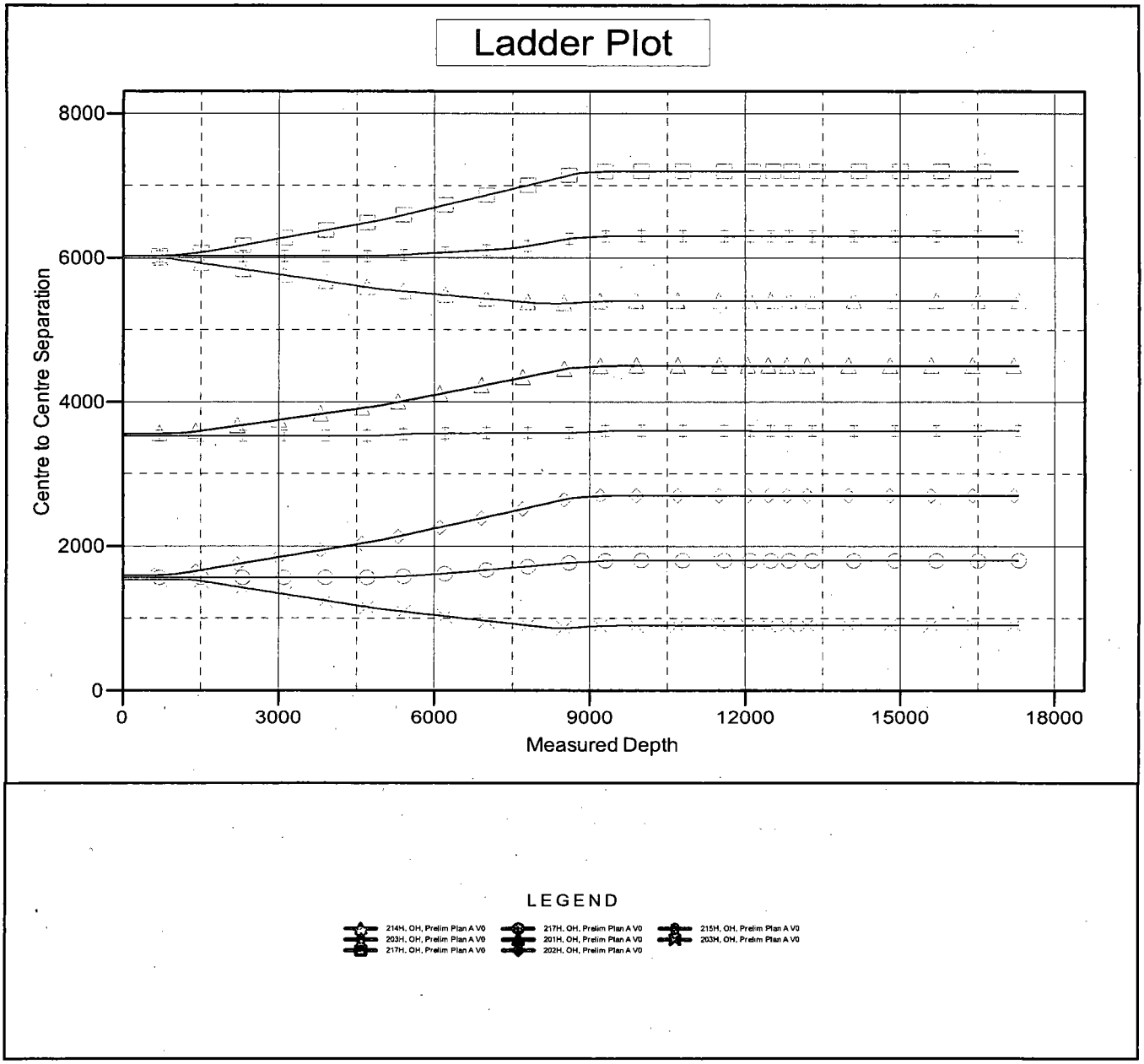
Offset Design Leslie Fed Com - 217H - OH - Prelim Plan A — **Offset Site Error:** 0.00 usft

Survey Program: 0-MWD - OWSG, 5482-MWD - OWSG, 12795-MWD - OWSG — **Offset Well Error:** 0.00 usft

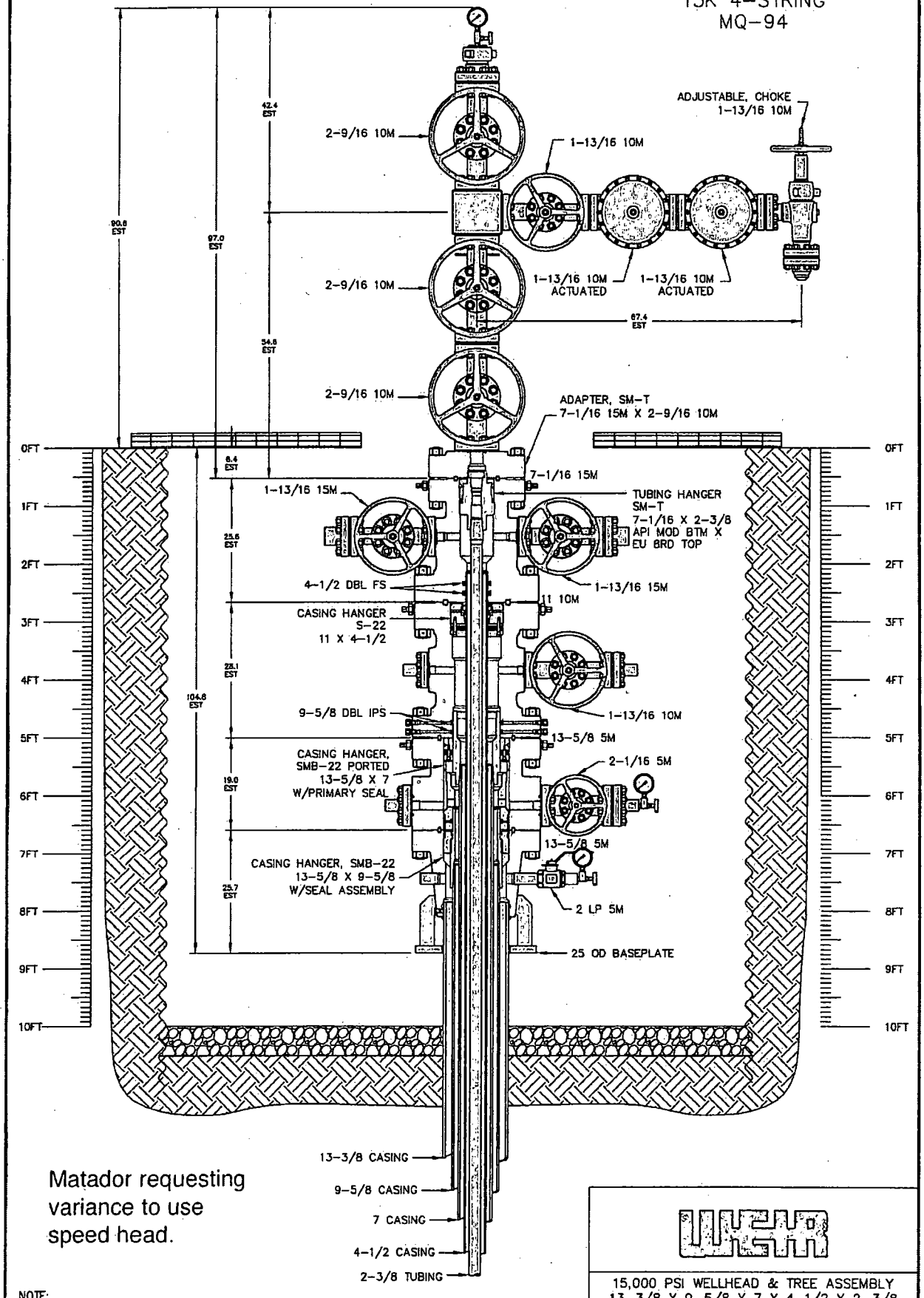
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.00	12,550.08	13,784.29	12,563.09	37.93	37.56	-89.62	1,142.89	-1,615.92	1,799.15	1,725.02	74.13	24.271	
13,900.00	12,550.08	13,884.29	12,563.08	38.31	38.26	-89.62	1,242.89	-1,616.81	1,799.18	1,723.28	75.90	23.706	
14,000.00	12,550.08	13,984.29	12,563.08	38.97	39.19	-89.62	1,342.88	-1,617.70	1,799.20	1,721.44	77.76	23.137	
14,100.00	12,550.08	14,084.29	12,563.08	39.82	40.18	-89.62	1,442.88	-1,618.58	1,799.23	1,719.50	79.73	22.567	
14,200.00	12,550.07	14,184.29	12,563.08	40.77	41.21	-89.62	1,542.87	-1,619.47	1,799.26	1,717.48	81.78	22.002	
14,300.00	12,550.07	14,284.29	12,563.07	41.79	42.29	-89.62	1,642.87	-1,620.36	1,799.28	1,715.37	83.91	21.443	
14,400.00	12,550.07	14,384.29	12,563.07	42.87	43.40	-89.62	1,742.87	-1,621.25	1,799.31	1,713.19	86.12	20.894	
14,500.00	12,550.07	14,484.29	12,563.07	43.98	44.55	-89.62	1,842.86	-1,622.14	1,799.34	1,710.94	88.39	20.356	
14,600.00	12,550.06	14,584.29	12,563.07	45.13	45.72	-89.62	1,942.86	-1,623.03	1,799.36	1,708.63	90.73	19.831	
14,700.00	12,550.06	14,684.29	12,563.06	46.31	46.93	-89.62	2,042.85	-1,623.92	1,799.39	1,706.26	93.13	19.320	
14,800.00	12,550.06	14,784.29	12,563.06	47.53	48.16	-89.62	2,142.85	-1,624.81	1,799.42	1,703.83	95.59	18.824	
14,900.00	12,550.06	14,884.29	12,563.06	48.77	49.42	-89.62	2,242.85	-1,625.69	1,799.45	1,701.35	98.10	18.344	
15,000.00	12,550.05	14,984.29	12,563.06	50.03	50.71	-89.62	2,342.84	-1,626.58	1,799.47	1,698.82	100.65	17.879	
15,100.00	12,550.05	15,084.29	12,563.05	51.32	52.01	-89.62	2,442.84	-1,627.47	1,799.50	1,696.25	103.24	17.429	
15,200.00	12,550.05	15,184.29	12,563.05	52.63	53.33	-89.62	2,542.83	-1,628.36	1,799.53	1,693.64	105.88	16.996	
15,300.00	12,550.05	15,284.29	12,563.05	53.96	54.67	-89.62	2,642.83	-1,629.25	1,799.55	1,691.00	108.56	16.577	
15,400.00	12,550.05	15,384.29	12,563.05	55.31	56.03	-89.62	2,742.83	-1,630.14	1,799.58	1,688.32	111.27	16.174	
15,500.00	12,550.04	15,484.29	12,563.04	56.67	57.41	-89.62	2,842.82	-1,631.03	1,799.61	1,685.60	114.01	15.785	
15,600.00	12,550.04	15,584.29	12,563.04	58.05	58.79	-89.62	2,942.82	-1,631.92	1,799.63	1,682.86	116.78	15.411	
15,700.00	12,550.04	15,684.29	12,563.04	59.45	60.20	-89.62	3,042.82	-1,632.80	1,799.66	1,680.09	119.58	15.050	
15,800.00	12,550.04	15,784.29	12,563.04	60.85	61.61	-89.62	3,142.81	-1,633.69	1,799.69	1,677.29	122.40	14.703	
15,900.00	12,550.03	15,884.29	12,563.03	62.27	63.04	-89.62	3,242.81	-1,634.58	1,799.72	1,674.47	125.25	14.369	
16,000.00	12,550.03	15,984.29	12,563.03	63.70	64.48	-89.62	3,342.80	-1,635.47	1,799.74	1,671.62	128.12	14.047	
16,100.00	12,550.03	16,084.29	12,563.03	65.15	65.93	-89.62	3,442.80	-1,636.36	1,799.77	1,668.75	131.02	13.737	
16,200.00	12,550.03	16,184.29	12,563.03	66.60	67.39	-89.62	3,542.80	-1,637.25	1,799.80	1,665.87	133.93	13.439	
16,300.00	12,550.02	16,284.29	12,563.02	68.06	68.85	-89.62	3,642.79	-1,638.14	1,799.82	1,662.97	136.86	13.151	
16,400.00	12,550.02	16,384.29	12,563.02	69.53	70.33	-89.62	3,742.79	-1,639.03	1,799.85	1,660.04	139.81	12.874	
16,500.00	12,550.02	16,484.29	12,563.02	71.01	71.81	-89.62	3,842.78	-1,639.91	1,799.88	1,657.11	142.77	12.607	
16,600.00	12,550.02	16,584.29	12,563.02	72.50	73.31	-89.62	3,942.78	-1,640.80	1,799.91	1,654.15	145.75	12.349	
16,700.00	12,550.01	16,684.29	12,563.01	73.99	74.80	-89.62	4,042.78	-1,641.69	1,799.93	1,651.19	148.75	12.101	
16,800.00	12,550.01	16,784.29	12,563.01	75.49	76.31	-89.62	4,142.77	-1,642.58	1,799.96	1,648.21	151.75	11.861	
16,900.00	12,550.01	16,884.29	12,563.01	77.00	77.82	-89.62	4,242.77	-1,643.47	1,799.99	1,645.21	154.77	11.630	
17,000.00	12,550.01	16,984.29	12,563.01	78.52	79.34	-89.62	4,342.76	-1,644.36	1,800.01	1,642.21	157.81	11.406	
17,100.00	12,550.00	17,084.29	12,563.01	80.03	80.86	-89.62	4,442.76	-1,645.25	1,800.04	1,639.19	160.85	11.191	
17,200.00	12,550.00	17,184.29	12,563.00	81.56	82.39	-89.62	4,542.76	-1,646.14	1,800.07	1,636.16	163.90	10.982	
17,295.25	12,550.00	17,279.54	12,563.00	83.02	83.85	-89.62	4,638.00	-1,646.98	1,800.09	1,633.27	166.82	10.790	SF

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well 214H
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Reference Site:	Leslie Fed Com	**MD Reference:**	Rig @ 3283.00usft (GL: 3254' + KB: 29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	214H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Prelim Plan A	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Rig @ 3283.00usft (GL: 3254' + KB: 2	Coordinates are relative to: 214H
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: 0.51°



MATADOR
15K 4-STRING
MQ-94



Matador requesting variance to use speed head.

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

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

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

Matador Production Company **DRILL PLAN PAGE 1**
Leslie Fed Com 217H
SHL 300' FSL & 2085' FEL
BHL 240' FNL & 2130' FEL
Sec. 17, T. 25 S., R. 35 E., Lea County, NM

Drilling Program

1. ESTIMATED TOPS

Formation	TVD	MD	Bearing
Quaternary	000	000	water
Dewey Lake red bed sandstone	365	365	water
Rustler anhydrite	910	910	brine
Salado salt	1436	1436	barren
Castile anhydrite	3725	3725	barren
Base of salt	5462	5462	barren
Bell Canyon Sandstone	5474	5474	hydrocarbons
Cherry Canyon Sandstone	6473	6475	hydrocarbons
Brushy Canyon Sandstone	7894	7901	hydrocarbons
Bone Spring Limestone	9227	9236	hydrocarbons
1st Bone Spring Carbonate	10296	10305	hydrocarbons
1st Bone Spring Sand	10362	10371	hydrocarbons
2nd Bone Spring Carbonate	10584	10593	hydrocarbons
2nd Bone Spring Sand	10969	10978	hydrocarbons
3rd Bone Spring Carbonate	11515	11524	hydrocarbons
(KOP	12000	11990	hydrocarbons)
3rd Bone Spring Sand	12139	12151	hydrocarbons
Wolfcamp A Carbonate	12423	12498	hydrocarbons
TD	12563	17282	hydrocarbons

2. NOTABLE ZONES

Wolfcamp A is the goal. Hole will extend north of the last perforation point to allow for pump installation. All perforations will be ≥330' from the dedication perimeter. Closest water well (C02297/C02298) is 4454' ESE. Depth to water is ≥205' in this ≥250' deep well.

For the latest performance data, always visit our website: www.tenaris.com

December 31 2015

Tenaris

Connection: TenarisXP® BTC
Casing/Tubing: CAS
Coupling Option: REGULAR

Size: 4.500 in.
Wall: 0.290 in.
Weight: 13.50 lbs/ft
Grade: P110-ICY
Min. Wall Thickness: 87.5 %

Nominal OD	**4.500** in.	Nominal Weight	**13.50** lbs/ft	Standard Drift Diameter	**3.795** in.
Nominal ID	**3.920** in.	Wall Thickness	**0.290** in.	Special Drift Diameter	**N/A**
Plain End Weight	**13.05** lbs/ft				

Body Yield Strength	**479** x 1000 lbs	Internal Yield	**14100** psi	SMYS	**125000** psi
Collapse	**11620** psi				

Connection OD	**5.000** in.	Coupling Length	**9.075** in.	Connection ID	**3.908** in.
Critical Section Area	**3.836** sq. in.	Threads per in.	**5.00**	Make-Up Loss	**4.016** in.

Tension Efficiency	**100** %	Joint Yield Strength	**479** x 1000 lbs	Internal Pressure Capacity[1]	**14100** psi
Structural Compression Efficiency	**100** %	Structural Compression Strength	479 x 1000 lbs	Structural Bending[2]	127 °/100 ft
External Pressure Capacity	**11620** psi				

Minimum	**6950** ft-lbs	Optimum	**7720** ft-lbs	Maximum	**8490** ft-lbs

Operating Torque	**10500** ft-lbs	Yield Torque	**12200** ft-lbs		

Blanking Dimensions

3. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

4. CASING & CEMENT

All casing will be API and new.

Hole O. D.	Set MD	Set TVD	Casing O. D.	Weight (lb/ft)	Grade	Joint	Collapse	Burst	Tension
17.5"	0' - 1000'	0' - 1000'	13.375" Surface	54.5	J-55	BTC	1.125	1.125	1.8
12.25"	0' - 5600'	0' - 5600'	9.625" Inter. 1	40	J-55	BTC	1.125	1.125	1.8
8.75"	0' - 12790'	0' – 12544'	7" Inter. 2	29	P-110	BTC	1.125	1.125	1.8
6.125"	0' – 17282'	0' – 12563'	4.5" Product.	13.5	P-110	BTC/TXP	1.125	1.125	1.8

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

5. MUD PROGRAM

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

Type	Interval (MD)	lb/gal	Viscosity	Fluid Loss
fresh water spud	0' - 1000'	8.3	28	NC
brine water	1000' - 5600'	10.0	30-32	NC
fresh water & cut brine	5600' - 12790'	9.0	30-31	NC
OBM	12790' – 17282'	12.5	50-60	<10

6. CORES, TESTS, & LOGS

No core or drill stem test is planned.

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

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

7. DOWN HOLE CONDITIONS

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

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

8. OTHER INFORMATION

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

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 1.1 mile on a caliche road
Then turn left and go N 209.25' 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 209.25' 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 north 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 & 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 ≈24% (0.87 acre) by removing caliche and reclaiming a 100' x 380' area on the southwest corner of the pad. This will leave 2.78 acres for the production equipment (e. g., tank battery, heater-treater, separator), pump jacks, and tractor-trailer turn around. Disturbed areas will be

contoured to match pre-construction grades. Soil and brush will be evenly spread over disturbed areas and harrowed on the contour. Disturbed areas will be seeded in accordance with 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 209.25' road = 0.14 acre
+ 370' x 430' pad = 3.65 acres
3.79 acres short term
- 0.87 acre pad interim reclamation
2.92 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 October 27, 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 15th day of July, 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: