PECOS DISTRICT
DRILLING OPERATIONS
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	**Matador Production Company**
LEASE NO.:	**NMNM-136226**
WELL NAME & NO.:	**Biggers Fed Com 217H**
SURFACE HOLE FOOTAGE:	**0059' FSL & 1256' FEL**
BOTTOM HOLE FOOTAGE	**0240' FNL & 2250' FEL**
LOCATION:	**Section 18, T. 25 S., R 35 E., NMPM**
COUNTY:	**County, New Mexico**

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

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

☐ **Lea County**

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

Communitization Agreement

· The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.

· If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

· In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

A. **Hydrogen Sulfide**

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

2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval. **If the drilling rig is removed without approval – an Incident of Non-Compliance will be written and will be a "Major" violation.**

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

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

A. CASING

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

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

Wait on cement (WOC) for Water Basin:
After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.

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

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

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

1. The **13-3/8** inch surface casing shall be set at approximately **1000** feet and cemented to the surface. **If salt is encountered, set casing at least 25 feet above the salt.**

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

    b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**

    c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.

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

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

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

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

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

Centralizers required through the curve and a minimum of one every other joint
3. The minimum required fill of cement behind the **7** inch production casing is:

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

Formation below the 7'' shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the shoe and the mud weight for the bottom of the hole. Report results to BLM office.

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

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

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

B. PRESSURE CONTROL

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

2. Variance approved to use flex line from BOP to choke manifold. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. **Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.** If the BLM inspector questions the straightness of the hose, a BLM engineer will be contacted and will review in the field or via picture supplied by inspector to determine if changes are required (operator shall expect delays if this occurs).

3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be psi (**Operator will have a 10M multibowl, testing to 2,000 psi**).

4. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **9-5/8** 1st intermediate casing shoe shall be psi (**Operator will have a 10M multibowl, testing to 5,000 psi**).

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

5. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the **7** 2nd intermediate casing shoe shall be psi.

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

10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

If BOP used as a multibowl:

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be psi.

a. **Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.**
b. **If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.**
c. **Manufacturer representative shall install the test plug for the initial BOP test.**
d. **Operator shall perform the intermediate casing integrity test to 70% of the casing burst. This will test the multi-bowl seals.**
e. **Operator shall perform the 9-5/8" and 7" casing integrity tests to 70% of the casing burst. This will test the multi-bowl seals.**
f. **If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.**

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

10M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

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

a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been

done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

a. The tests shall be done by an independent service company utilizing a test plug **not a cup or J-packer**.

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

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

d. All tests are required to be recorded on a calibrated test chart. **A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.**

e. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

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

C. DRILLING MUD

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

D. DRILL STEM TEST

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

E. WASTE MATERIAL AND FLUIDS

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

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

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PECOS DISTRICT
SURFACE USE
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Matador Prod Co
LEASE NO.:	NM136226
WELL NAME & NO.:	217H – Biggers Fed Com
SURFACE HOLE FOOTAGE:	59'/S & 1256'/E
BOTTOM HOLE FOOTAGE	240'/N & 2250'/E
LOCATION:	Section 18, T. 25 S., R. 35 E., NMPM
COUNTY:	Lea County, New Mexico

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

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.)

VI. CONSTRUCTION

A. NOTIFICATION

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

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

B. TOPSOIL

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

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

C. CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

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

D. FEDERAL MINERAL MATERIALS PIT

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

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

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

F. EXCLOSURE FENCING (CELLARS & PITS)

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

G. ON LEASE ACCESS ROADS

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

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

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

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

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

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

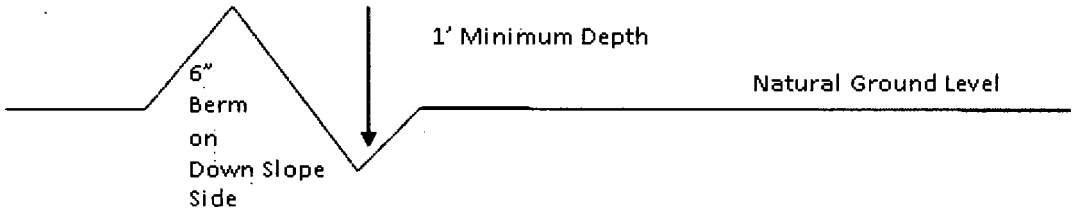
Turnouts
Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall conform to Figure 1; cross section and plans for typical road construction.

Drainage

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

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

Cross Section of a Typical Lead-off Ditch



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

Formula for Spacing Interval of Lead-off Ditches

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

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

Cattle guards

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

Fence Requirement

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

Public Access

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

Construction Steps

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

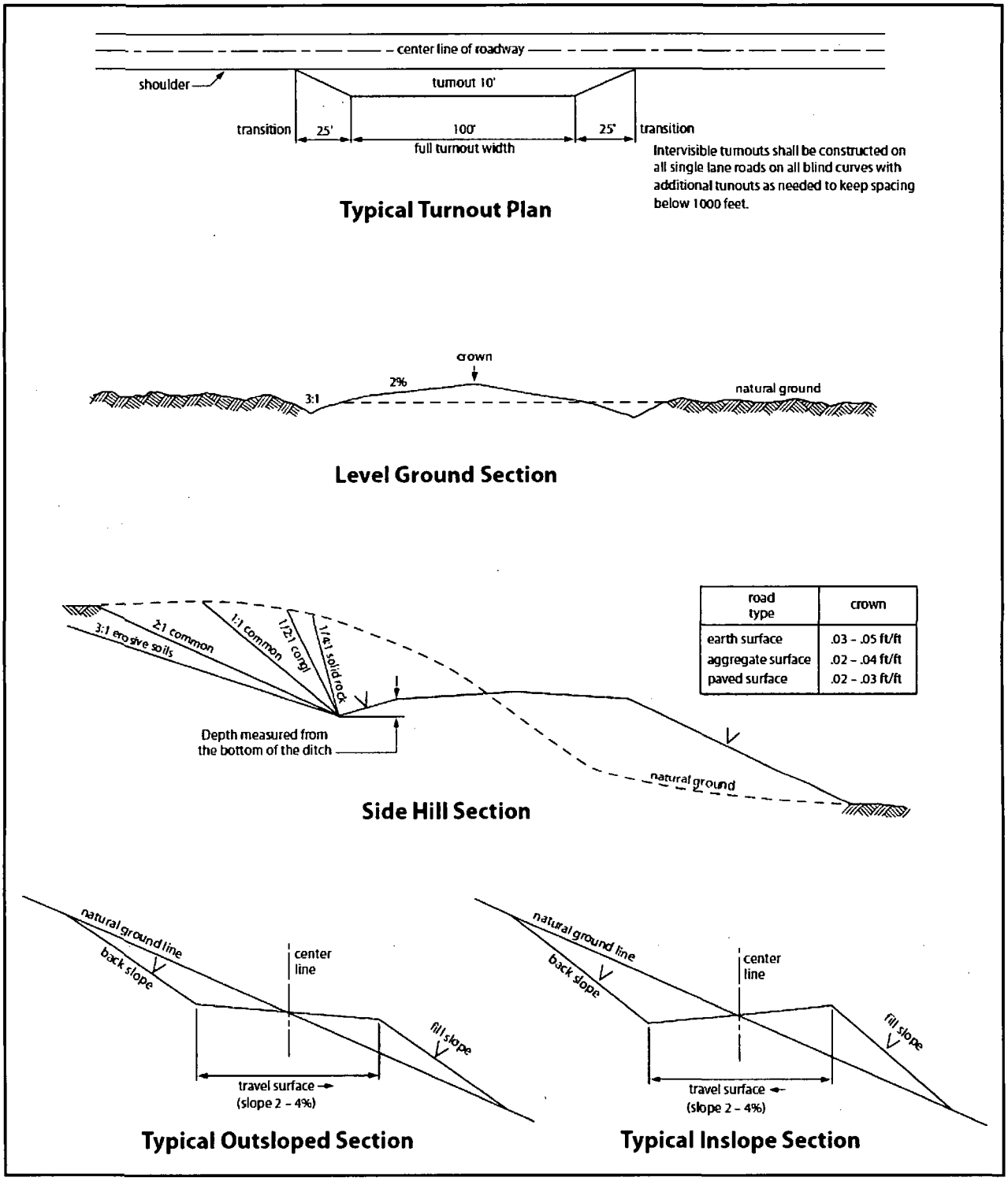


Figure 1. Cross-sections and plans for typical road sections representative of BLM resource or FS local and higher-class roads.

VII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

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

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

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

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

Containment Structures

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

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

VIII. INTERIM RECLAMATION

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

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

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

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

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

IX. FINAL ABANDONMENT & RECLAMATION

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

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

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

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

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

Seed Mixture for LPC Sand/Shinnery Sites

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

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

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

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

*Pounds of pure live seed:

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

Approval Date: 03/22/2018

Hydrogen Sulfide Drilling

Operations Plan

1 H2S safety instructions to the following:

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

2 H2S Detection and Alarm Systems:

- H2S sensor/detectors will be located on the drilling rig floor, in the base of the sub structure / cellar area, 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.

- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.47 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 100 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.65 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.47 psi/ft) which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

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

Production Casing

Collapse: DF_c=1.125

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.65 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.65 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst: DF_b=1.125

- Pressure Test: 8000 psi casing test with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.
- Injection Down Casing: 9500 psi surface injection pressure plus an internal pressure gradient of 0.65 psi/ft with an external force equal to the mud gradient in which the casing will be run (0.65 psi/ft), which is a more conservative backup force than pore pressure.

Tensile: DF_t=1.8

- Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (12.5 ppg).

7 Drilling Stem Testing:

- No DSTs or cores are planned at this time.

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

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

11 Emergency Contacts

- See following page

H2S Contingency Plan Emergency Contacts
Biggers Fed Com wells
Matador Production Company
Sec. 18, T25S, R35E Lea County, NM

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

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

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

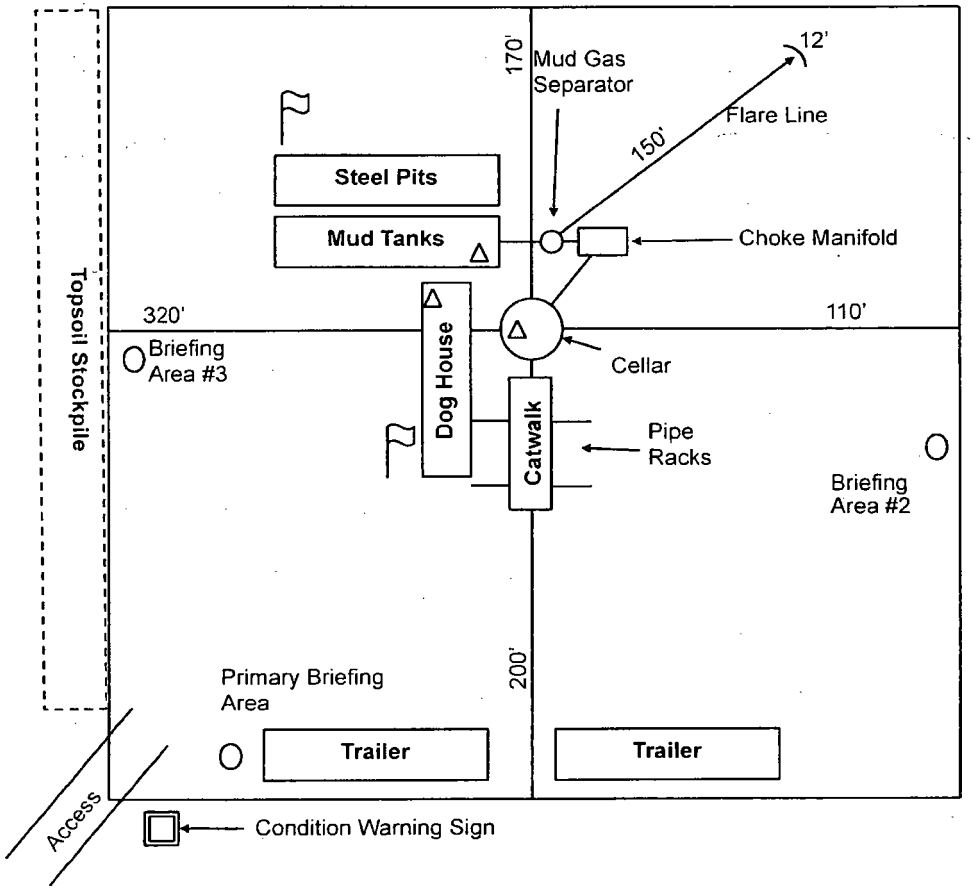
H2S Rig Diagram

Biggers Fed Com 217H
SHL 59' FSL & 1256' FEL
18-25S-35E Lea County, NM

Wind Direction Indicator

H2S Monitors

Briefing Areas



NORTH

Prevailing Winds Out of the South

Matador Production Company

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

Section 18, Township 25S, Range 35E
Lea County, New Mexico

Surface Hole Location

1:27,000

0 0.25 0.5 1

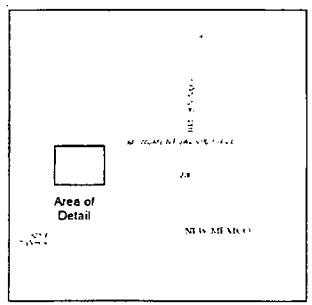
Miles

N

NAD 1983 New Mexico State Plane East
FIPS 3001 Feet

PERMITS WEST, Inc.

Prepared by Permits West, Inc., June 8, 2017
for Matador Production Company



Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

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

Site	Biggers Fed Com				
Site Position:		**Northing:**	409,817.00 usft	**Latitude:**	32° 7' 23.792 N
From:	Map	**Easting:**	788,425.00 usft	**Longitude:**	103° 24' 6.061 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.50 °

Well	217H					
Well Position	**+N/-S**	-30.00 usft	**Northing:**	409,787.00 usft	**Latitude:**	32° 7' 23.495 N
	+E/-W	0.00 usft	**Easting:**	788,425.00 usft	**Longitude:**	103° 24' 6.064 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,332.00 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM	3/6/2017	6.80	59.87	48,040.60

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	-30.00	0.00	359.50	

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,500.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,500.00	13,004.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
13,004.00	17,491.53	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	-30.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	-30.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	-30.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	-30.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	-30.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	-30.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	-30.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	270.58	699.99	-29.99	-1.31	0.02	1.50	1.50	0.00
800.00	3.00	270.58	799.91	-29.95	-5.23	0.10	1.50	1.50	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
900.00	4.50	270.58	899.69	-29.88	-11.77	0.22	1.50	1.50	0.00
1,000.00	6.00	270.58	999.27	-29.79	-20.92	0.39	1.50	1.50	0.00
1,100.00	7.50	270.58	1,098.57	-29.67	-32.68	0.61	1.50	1.50	0.00
1,200.00	7.50	270.58	1,197.72	-29.54	-45.73	0.86	0.00	0.00	0.00
1,300.00	7.50	270.58	1,296.86	-29.41	-58.78	1.11	0.00	0.00	0.00
1,400.00	7.50	270.58	1,396.01	-29.28	-71.83	1.35	0.00	0.00	0.00
1,500.00	7.50	270.58	1,495.15	-29.14	-84.88	1.60	0.00	0.00	0.00
1,600.00	7.50	270.58	1,594.30	-29.01	-97.94	1.84	0.00	0.00	0.00
1,700.00	7.50	270.58	1,693.44	-28.88	-110.99	2.09	0.00	0.00	0.00
1,800.00	7.50	270.58	1,792.58	-28.75	-124.04	2.33	0.00	0.00	0.00
1,900.00	7.50	270.58	1,891.73	-28.62	-137.09	2.58	0.00	0.00	0.00
2,000.00	7.50	270.58	1,990.87	-28.49	-150.14	2.82	0.00	0.00	0.00
2,100.00	7.50	270.58	2,090.02	-28.35	-163.20	3.07	0.00	0.00	0.00
2,200.00	7.50	270.58	2,189.16	-28.22	-176.25	3.31	0.00	0.00	0.00
2,300.00	7.50	270.58	2,288.31	-28.09	-189.30	3.56	0.00	0.00	0.00
2,400.00	7.50	270.58	2,387.45	-27.96	-202.35	3.81	0.00	0.00	0.00
2,500.00	7.50	270.58	2,486.60	-27.83	-215.40	4.05	0.00	0.00	0.00
2,600.00	7.50	270.58	2,585.74	-27.70	-228.46	4.30	0.00	0.00	0.00
2,700.00	7.50	270.58	2,684.89	-27.57	-241.51	4.54	0.00	0.00	0.00
2,800.00	7.50	270.58	2,784.03	-27.43	-254.56	4.79	0.00	0.00	0.00
2,900.00	7.50	270.58	2,883.17	-27.30	-267.61	5.03	0.00	0.00	0.00
3,000.00	7.50	270.58	2,982.32	-27.17	-280.66	5.28	0.00	0.00	0.00
3,100.00	7.50	270.58	3,081.46	-27.04	-293.72	5.52	0.00	0.00	0.00
3,200.00	7.50	270.58	3,180.61	-26.91	-306.77	5.77	0.00	0.00	0.00
3,300.00	7.50	270.58	3,279.75	-26.78	-319.82	6.01	0.00	0.00	0.00
3,400.00	7.50	270.58	3,378.90	-26.64	-332.87	6.26	0.00	0.00	0.00
3,500.00	7.50	270.58	3,478.04	-26.51	-345.92	6.51	0.00	0.00	0.00
3,600.00	7.50	270.58	3,577.19	-26.38	-358.98	6.75	0.00	0.00	0.00
3,700.00	7.50	270.58	3,676.33	-26.25	-372.03	7.00	0.00	0.00	0.00
3,800.00	7.50	270.58	3,775.47	-26.12	-385.08	7.24	0.00	0.00	0.00
3,900.00	7.50	270.58	3,874.62	-25.99	-398.13	7.49	0.00	0.00	0.00
4,000.00	7.50	270.58	3,973.76	-25.86	-411.18	7.73	0.00	0.00	0.00
4,100.00	7.50	270.58	4,072.91	-25.72	-424.24	7.98	0.00	0.00	0.00
4,200.00	7.50	270.58	4,172.05	-25.59	-437.29	8.22	0.00	0.00	0.00
4,300.00	7.50	270.58	4,271.20	-25.46	-450.34	8.47	0.00	0.00	0.00
4,400.00	7.50	270.58	4,370.34	-25.33	-463.39	8.71	0.00	0.00	0.00
4,500.00	7.50	270.58	4,469.49	-25.20	-476.44	8.96	0.00	0.00	0.00
4,600.00	7.50	270.58	4,568.63	-25.07	-489.50	9.21	0.00	0.00	0.00
4,700.00	7.50	270.58	4,667.77	-24.93	-502.55	9.45	0.00	0.00	0.00
4,800.00	7.50	270.58	4,766.92	-24.80	-515.60	9.70	0.00	0.00	0.00
4,900.00	7.50	270.58	4,866.06	-24.67	-528.65	9.94	0.00	0.00	0.00
5,000.00	7.50	270.58	4,965.21	-24.54	-541.70	10.19	0.00	0.00	0.00
5,100.00	7.50	270.58	5,064.35	-24.41	-554.75	10.43	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.00	7.50	270.58	5,163.50	-24.28	-567.81	10.68	0.00	0.00	0.00
5,300.00	7.50	270.58	5,262.64	-24.14	-580.86	10.92	0.00	0.00	0.00
5,400.00	7.50	270.58	5,361.79	-24.01	-593.91	11.17	0.00	0.00	0.00
5,500.00	7.50	270.58	5,460.93	-23.88	-606.96	11.42	0.00	0.00	0.00
9 5/8"									
5,600.00	7.50	270.58	5,560.08	-23.75	-620.01	11.66	0.00	0.00	0.00
5,700.00	7.50	270.58	5,659.22	-23.62	-633.07	11.91	0.00	0.00	0.00
5,800.00	7.50	270.58	5,758.36	-23.49	-646.12	12.15	0.00	0.00	0.00
5,900.00	7.50	270.58	5,857.51	-23.36	-659.17	12.40	0.00	0.00	0.00
6,000.00	7.50	270.58	5,956.65	-23.22	-672.22	12.64	0.00	0.00	0.00
6,100.00	7.50	270.58	6,055.80	-23.09	-685.27	12.89	0.00	0.00	0.00
6,200.00	7.50	270.58	6,154.94	-22.96	-698.33	13.13	0.00	0.00	0.00
6,300.00	7.50	270.58	6,254.09	-22.83	-711.38	13.38	0.00	0.00	0.00
6,400.00	7.50	270.58	6,353.23	-22.70	-724.43	13.62	0.00	0.00	0.00
6,500.00	7.50	270.58	6,452.38	-22.57	-737.48	13.87	0.00	0.00	0.00
6,600.00	7.50	270.58	6,551.52	-22.43	-750.53	14.12	0.00	0.00	0.00
6,700.00	7.50	270.58	6,650.66	-22.30	-763.59	14.36	0.00	0.00	0.00
6,800.00	7.50	270.58	6,749.81	-22.17	-776.64	14.61	0.00	0.00	0.00
6,900.00	7.50	270.58	6,848.95	-22.04	-789.69	14.85	0.00	0.00	0.00
7,000.00	7.50	270.58	6,948.10	-21.91	-802.74	15.10	0.00	0.00	0.00
7,100.00	7.50	270.58	7,047.24	-21.78	-815.79	15.34	0.00	0.00	0.00
7,200.00	7.50	270.58	7,146.39	-21.64	-828.85	15.59	0.00	0.00	0.00
7,300.00	7.50	270.58	7,245.53	-21.51	-841.90	15.83	0.00	0.00	0.00
7,400.00	7.50	270.58	7,344.68	-21.38	-854.95	16.08	0.00	0.00	0.00
7,500.00	7.50	270.58	7,443.82	-21.25	-868.00	16.32	0.00	0.00	0.00
7,600.00	7.50	270.58	7,542.97	-21.12	-881.05	16.57	0.00	0.00	0.00
7,700.00	7.50	270.58	7,642.11	-20.99	-894.11	16.82	0.00	0.00	0.00
7,800.00	7.50	270.58	7,741.25	-20.86	-907.16	17.06	0.00	0.00	0.00
7,900.00	7.50	270.58	7,840.40	-20.72	-920.21	17.31	0.00	0.00	0.00
8,000.00	7.50	270.58	7,939.54	-20.59	-933.26	17.55	0.00	0.00	0.00
8,100.00	7.50	270.58	8,038.69	-20.46	-946.31	17.80	0.00	0.00	0.00
8,199.68	7.50	270.58	8,137.51	-20.33	-959.32	18.04	0.00	0.00	0.00
8,300.00	6.00	270.58	8,237.14	-20.21	-971.11	18.26	1.50	-1.50	0.00
8,400.00	4.50	270.58	8,336.72	-20.12	-980.25	18.44	1.50	-1.50	0.00
8,500.00	3.00	270.58	8,436.50	-20.05	-986.78	18.56	1.50	-1.50	0.00
8,600.00	1.50	270.58	8,536.42	-20.01	-990.70	18.63	1.50	-1.50	0.00
8,699.68	0.00	0.00	8,636.09	-20.00	-992.00	18.66	1.50	-1.50	0.00
8,800.00	0.00	0.00	8,736.41	-20.00	-992.00	18.66	0.00	0.00	0.00
8,900.00	0.00	0.00	8,836.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,000.00	0.00	0.00	8,936.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,100.00	0.00	0.00	9,036.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,200.00	0.00	0.00	9,136.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,300.00	0.00	0.00	9,236.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,400.00	0.00	0.00	9,336.41	-20.00	-992.00	18.66	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,500.00	0.00	0.00	9,436.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,600.00	0.00	0.00	9,536.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,700.00	0.00	0.00	9,636.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,800.00	0.00	0.00	9,736.41	-20.00	-992.00	18.66	0.00	0.00	0.00
9,900.00	0.00	0.00	9,836.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,000.00	0.00	0.00	9,936.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,100.00	0.00	0.00	10,036.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,200.00	0.00	0.00	10,136.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,300.00	0.00	0.00	10,236.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,400.00	0.00	0.00	10,336.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,500.00	0.00	0.00	10,436.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,600.00	0.00	0.00	10,536.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,700.00	0.00	0.00	10,636.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,800.00	0.00	0.00	10,736.41	-20.00	-992.00	18.66	0.00	0.00	0.00
10,900.00	0.00	0.00	10,836.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,000.00	0.00	0.00	10,936.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,100.00	0.00	0.00	11,036.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,200.00	0.00	0.00	11,136.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,300.00	0.00	0.00	11,236.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,400.00	0.00	0.00	11,336.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,500.00	0.00	0.00	11,436.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,600.00	0.00	0.00	11,536.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,700.00	0.00	0.00	11,636.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,800.00	0.00	0.00	11,736.41	-20.00	-992.00	18.66	0.00	0.00	0.00
11,900.00	0.00	0.00	11,836.41	-20.00	-992.00	18.66	0.00	0.00	0.00
12,000.00	0.00	0.00	11,936.41	-20.00	-992.00	18.66	0.00	0.00	0.00
12,100.00	0.00	0.00	12,036.41	-20.00	-992.00	18.66	0.00	0.00	0.00
12,198.59	0.00	0.00	12,135.00	-20.00	-992.00	18.66	0.00	0.00	0.00
12,200.00	0.14	359.75	12,136.41	-20.00	-992.00	18.66	10.00	10.00	0.00
12,250.00	5.14	359.75	12,186.34	-17.70	-992.01	20.96	10.00	10.00	0.00
12,300.00	10.14	359.75	12,235.88	-11.05	-992.04	27.61	10.00	10.00	0.00
12,350.00	15.14	359.75	12,284.65	-0.11	-992.09	38.55	10.00	10.00	0.00
12,400.00	20.14	359.75	12,332.29	15.04	-992.15	53.69	10.00	10.00	0.00
12,450.00	25.14	359.75	12,378.42	34.28	-992.24	72.93	10.00	10.00	0.00
12,500.00	30.14	359.75	12,422.70	57.47	-992.34	96.12	10.00	10.00	0.00
12,550.00	35.14	359.75	12,464.79	84.43	-992.46	123.08	10.00	10.00	0.00
12,600.00	40.14	359.75	12,504.37	114.95	-992.59	153.61	10.00	10.00	0.00
12,650.00	45.14	359.75	12,541.14	148.81	-992.74	187.47	10.00	10.00	0.00
12,700.00	50.14	359.75	12,574.82	185.75	-992.90	224.40	10.00	10.00	0.00
12,750.00	55.14	359.75	12,605.15	225.47	-993.07	264.13	10.00	10.00	0.00
12,800.00	60.14	359.75	12,631.90	267.70	-993.26	306.35	10.00	10.00	0.00
12,850.00	65.14	359.75	12,654.87	312.09	-993.45	350.75	10.00	10.00	0.00
12,900.00	70.14	359.75	12,673.88	358.31	-993.65	396.97	10.00	10.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,950.00	75.14	359.75	12,688.80	406.02	-993.86	444.68	10.00	10.00	0.00
12,998.59	80.00	359.75	12,699.25	453.46	-994.07	492.12	10.00	10.00	0.00
13,000.00	80.00	359.75	12,699.50	454.85	-994.07	493.50	0.00	0.00	0.00
13,004.00	80.00	359.75	12,700.19	458.79	-994.09	497.44	0.00	0.00	0.00
7"									
13,023.59	80.00	359.75	12,703.59	478.08	-994.17	516.74	0.00	0.00	0.00
13,050.00	81.58	359.71	12,707.82	504.15	-994.30	542.80	6.00	6.00	-0.15
13,100.00	84.58	359.63	12,713.84	553.78	-994.58	592.43	6.00	6.00	-0.15
13,150.00	87.58	359.56	12,717.26	603.65	-994.93	642.31	6.00	6.00	-0.15
13,190.34	90.00	359.50	12,718.11	643.97	-995.27	682.63	6.00	6.00	-0.15
13,200.00	90.00	359.50	12,718.11	653.64	-995.35	692.30	0.00	0.00	0.00
13,300.00	90.00	359.50	12,718.10	753.64	-996.23	792.30	0.00	0.00	0.00
13,400.00	90.00	359.50	12,718.10	853.63	-997.11	892.30	0.00	0.00	0.00
13,500.00	90.00	359.50	12,718.10	953.63	-997.98	992.30	0.00	0.00	0.00
13,600.00	90.00	359.50	12,718.10	1,053.62	-998.86	1,092.30	0.00	0.00	0.00
13,700.00	90.00	359.50	12,718.09	1,153.62	-999.74	1,192.30	0.00	0.00	0.00
13,800.00	90.00	359.50	12,718.09	1,253.62	-1,000.61	1,292.30	0.00	0.00	0.00
13,900.00	90.00	359.50	12,718.09	1,353.61	-1,001.49	1,392.30	0.00	0.00	0.00
14,000.00	90.00	359.50	12,718.09	1,453.61	-1,002.37	1,492.30	0.00	0.00	0.00
14,100.00	90.00	359.50	12,718.08	1,553.60	-1,003.25	1,592.30	0.00	0.00	0.00
14,200.00	90.00	359.50	12,718.08	1,653.60	-1,004.12	1,692.30	0.00	0.00	0.00
14,300.00	90.00	359.50	12,718.08	1,753.60	-1,005.00	1,792.30	0.00	0.00	0.00
14,400.00	90.00	359.50	12,718.08	1,853.59	-1,005.88	1,892.30	0.00	0.00	0.00
14,500.00	90.00	359.50	12,718.07	1,953.59	-1,006.76	1,992.30	0.00	0.00	0.00
14,600.00	90.00	359.50	12,718.07	2,053.59	-1,007.63	2,092.30	0.00	0.00	0.00
14,700.00	90.00	359.50	12,718.07	2,153.58	-1,008.51	2,192.30	0.00	0.00	0.00
14,800.00	90.00	359.50	12,718.07	2,253.58	-1,009.39	2,292.30	0.00	0.00	0.00
14,900.00	90.00	359.50	12,718.06	2,353.57	-1,010.26	2,392.30	0.00	0.00	0.00
15,000.00	90.00	359.50	12,718.06	2,453.57	-1,011.14	2,492.30	0.00	0.00	0.00
15,100.00	90.00	359.50	12,718.06	2,553.57	-1,012.02	2,592.30	0.00	0.00	0.00
15,200.00	90.00	359.50	12,718.06	2,653.56	-1,012.90	2,692.30	0.00	0.00	0.00
15,300.00	90.00	359.50	12,718.05	2,753.56	-1,013.77	2,792.30	0.00	0.00	0.00
15,400.00	90.00	359.50	12,718.05	2,853.55	-1,014.65	2,892.30	0.00	0.00	0.00
15,500.00	90.00	359.50	12,718.05	2,953.55	-1,015.53	2,992.30	0.00	0.00	0.00
15,600.00	90.00	359.50	12,718.05	3,053.55	-1,016.41	3,092.30	0.00	0.00	0.00
15,700.00	90.00	359.50	12,718.04	3,153.54	-1,017.28	3,192.30	0.00	0.00	0.00
15,800.00	90.00	359.50	12,718.04	3,253.54	-1,018.16	3,292.30	0.00	0.00	0.00
15,900.00	90.00	359.50	12,718.04	3,353.54	-1,019.04	3,392.30	0.00	0.00	0.00
16,000.00	90.00	359.50	12,718.04	3,453.53	-1,019.91	3,492.30	0.00	0.00	0.00
16,100.00	90.00	359.50	12,718.03	3,553.53	-1,020.79	3,592.30	0.00	0.00	0.00
16,200.00	90.00	359.50	12,718.03	3,653.52	-1,021.67	3,692.30	0.00	0.00	0.00
16,300.00	90.00	359.50	12,718.03	3,753.52	-1,022.55	3,792.30	0.00	0.00	0.00
16,400.00	90.00	359.50	12,718.03	3,853.52	-1,023.42	3,892.30	0.00	0.00	0.00

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,500.00	90.00	359.50	12,718.02	3,953.51	-1,024.30	3,992.30	0.00	0.00	0.00
16,600.00	90.00	359.50	12,718.02	4,053.51	-1,025.18	4,092.30	0.00	0.00	0.00
16,700.00	90.00	359.50	12,718.02	4,153.50	-1,026.06	4,192.30	0.00	0.00	0.00
16,800.00	90.00	359.50	12,718.02	4,253.50	-1,026.93	4,292.30	0.00	0.00	0.00
16,900.00	90.00	359.50	12,718.01	4,353.50	-1,027.81	4,392.30	0.00	0.00	0.00
17,000.00	90.00	359.50	12,718.01	4,453.49	-1,028.69	4,492.30	0.00	0.00	0.00
17,100.00	90.00	359.50	12,718.01	4,553.49	-1,029.57	4,592.30	0.00	0.00	0.00
17,200.00	90.00	359.50	12,718.01	4,653.49	-1,030.44	4,692.30	0.00	0.00	0.00
17,300.00	90.00	359.50	12,718.01	4,753.48	-1,031.32	4,792.30	0.00	0.00	0.00
17,400.00	90.00	359.50	12,718.00	4,853.48	-1,032.20	4,892.30	0.00	0.00	0.00
17,491.53	90.00	359.50	12,718.00	4,945.00	-1,033.00	4,983.83	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
[BigFedCom217H]FPP	0.00	0.00	0.00	236.00	-992.00	410,053.00	787,433.00	32° 7' 26.212 N	103° 24' 17.571 W
- plan misses target center by 1027.04usft at 0.00usft MD (0.00 TVD, -30.00 N, 0.00 E)									
- Point									
[BigFedCom217H]LPP	0.00	0.00	0.00	4,855.00	-1,032.00	414,672.00	787,393.00	32° 8' 11.921 N	103° 24' 17.573 W
- plan misses target center by 4992.82usft at 0.00usft MD (0.00 TVD, -30.00 N, 0.00 E)									
- Point									
[BigFedCom217H]PBHL	0.00	0.00	12,718.00	4,945.00	-1,033.00	414,762.00	787,392.00	32° 8' 12.812 N	103° 24' 17.576 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,500.00	5,460.93	9 5/8"	9-5/8	12-1/4
13,004.00	12,700.19	7"	7	8-3/4

Pro Directional

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Well:	217H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Prelim Plan A	**Database:**	WellPlanner1

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
600	600	-30	0	Start Build 1.50
1100	1099	-30	-33	Start 7099.68 hold
8200	8138	-20	-959	Start Drop -1.50
8700	8636	-20	-992	Start 3498.91 hold
12,199	12,135	-20	-992	Start Build 10.00
12,999	12,699	453	-994	Start 25.00 hold
13,024	12,704	478	-994	Start DLS 6.00
13,190	12,718	644	-995	EOC: 13190.34 MD
17,490	12,718	4943	-1033	BHL - X:787392 Y:414762
17,492	12,718	4945	-1033	TD at 17491.53

Checked By: _____ Approved By: _____ Date: _____

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference	Prelim Plan A		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 9,999.98 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

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

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	5,500.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
5,500.00	13,004.00	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG
13,004.00	17,491.53	Prelim Plan A (OH)	MWD - OWSG	MWD - OWSG

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Biggers Fed						
201H - OH - Prelim Plan A	8,706.65	8,682.40	2,700.03	2,654.34	59.088	CC
201H - OH - Prelim Plan A	17,491.53	17,240.52	2,708.43	2,538.72	15.958	ES, SF
202H - OH - Prelim Plan A	12,232.14	12,195.27	900.09	838.39	14.588	CC
202H - OH - Prelim Plan A	17,491.53	17,354.16	907.08	737.93	5.363	ES, SF
215H - OH - Prelim Plan A	8,265.19	8,063.96	1,761.26	1,716.86	39.670	CC
215H - OH - Prelim Plan A	17,491.53	17,515.04	1,800.12	1,629.88	10.574	ES, SF
Biggers Fed Com						
203H - OH - Prelim Plan A	648.06	648.06	30.00	25.82	7.177	CC
203H - OH - Prelim Plan A	800.00	800.09	30.40	25.15	5.787	ES
203H - OH - Prelim Plan A	17,491.53	17,309.40	909.35	737.05	5.278	SF
214H - OH - Prelim Plan A	600.00	600.00	30.02	26.18	7.818	CC, ES
214H - OH - Prelim Plan A	800.00	800.09	35.25	29.99	6.709	SF
Leslie Fed Com						
201H - OH - Prelim Plan A	600.00	579.00	2,468.89	2,465.13	655.932	CC, ES
201H - OH - Prelim Plan A	17,487.74	17,246.30	2,707.73	2,536.97	15.857	SF
202H - OH - Prelim Plan A	1,059.45	1,537.67	4,407.15	4,398.42	504.757	CC
202H - OH - Prelim Plan A	17,491.53	17,236.48	4,504.18	4,333.27	26.353	ES, SF
203H - OH - Prelim Plan A	600.00	547.00	4,492.24	4,488.59	1,231.007	CC, ES
203H - OH - Prelim Plan A	17,491.53	17,243.16	6,303.10	6,132.07	36.856	SF
214H - Prelim Plan A - Prelim Plan A	600.00	522.00	6,025.37	6,021.81	1,692.699	CC, ES
214H - Prelim Plan A - Prelim Plan A	17,484.40	17,199.04	7,200.72	7,031.02	42.432	SF
215H - OH - Prelim Plan A	600.00	579.00	2,498.74	2,494.98	663.861	CC, ES
215H - OH - Prelim Plan A	17,491.53	17,318.66	3,601.86	3,430.65	21.038	SF
217H - OH - Prelim Plan A	600.00	547.00	4,462.24	4,458.59	1,222.785	CC, ES
217H - OH - Prelim Plan A	17,485.90	17,294.41	5,401.06	5,229.99	31.571	SF

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	21.00	21.00	0.00	0.03	-85.50	248.00	-3,530.00	3,540.93				
100.00	100.00	121.00	121.00	0.13	0.20	-85.50	248.00	-3,530.00	3,540.93	3,540.60	0.33	N/A	
200.00	200.00	221.00	221.00	0.49	0.56	-85.50	248.00	-3,530.00	3,540.93	3,539.88	1.05	3,382.826	
300.00	300.00	321.00	321.00	0.84	0.92	-85.50	248.00	-3,530.00	3,540.93	3,539.17	1.76	2,007.694	
400.00	400.00	421.00	421.00	1.20	1.28	-85.50	248.00	-3,530.00	3,540.93	3,538.45	2.48	1,427.436	
500.00	500.00	521.00	521.00	1.56	1.64	-85.50	248.00	-3,530.00	3,540.93	3,537.73	3.20	1,107.383	
600.00	600.00	621.00	621.00	1.92	1.99	-85.50	248.00	-3,530.00	3,540.93	3,537.02	3.91	904.565	
700.00	699.99	720.99	720.99	2.27	2.35	3.93	248.00	-3,530.00	3,539.62	3,535.00	4.62	765.616	
800.00	799.91	820.91	820.91	2.62	2.71	3.94	248.00	-3,530.00	3,535.71	3,530.38	5.33	663.597	
900.00	899.69	920.69	920.69	2.97	3.07	3.95	248.00	-3,530.00	3,529.18	3,523.15	6.04	584.655	
1,000.00	999.27	1,020.27	1,020.27	3.33	3.43	3.97	248.00	-3,530.00	3,520.05	3,513.31	6.75	521.741	
1,100.00	1,098.57	1,119.57	1,119.57	3.70	3.78	4.00	248.00	-3,530.00	3,508.33	3,500.87	7.46	470.374	
1,200.00	1,197.72	1,218.72	1,218.72	4.09	4.14	4.01	248.00	-3,530.00	3,495.31	3,487.14	8.17	427.833	
1,300.00	1,296.86	1,317.86	1,317.86	4.48	4.49	4.03	248.00	-3,530.00	3,482.29	3,473.41	8.88	392.105	
1,400.00	1,396.01	1,417.01	1,417.01	4.87	4.85	4.04	248.00	-3,530.00	3,469.27	3,459.67	9.59	361.806	
1,500.00	1,495.15	1,516.15	1,516.15	5.27	5.20	4.06	248.00	-3,530.00	3,456.25	3,445.94	10.31	335.278	
1,600.00	1,594.30	1,615.30	1,615.30	5.66	5.56	4.07	248.00	-3,530.00	3,443.22	3,432.20	11.02	312.330	
1,700.00	1,693.44	1,714.44	1,714.44	6.07	5.91	4.09	248.00	-3,530.00	3,430.20	3,418.46	11.74	292.156	
1,800.00	1,792.58	1,813.58	1,813.58	6.47	6.27	4.10	248.00	-3,530.00	3,417.18	3,404.73	12.46	274.286	
1,900.00	1,891.73	1,912.73	1,912.73	6.87	6.63	4.12	248.00	-3,530.00	3,404.17	3,390.99	13.18	258.348	
2,000.00	1,990.87	2,011.87	2,011.87	7.28	6.98	4.13	248.00	-3,530.00	3,391.15	3,377.25	13.90	244.049	
2,100.00	2,090.02	2,111.02	2,111.02	7.69	7.34	4.15	248.00	-3,530.00	3,378.13	3,363.51	14.61	231.148	
2,200.00	2,189.16	2,210.16	2,210.16	8.10	7.69	4.17	248.00	-3,530.00	3,365.11	3,349.77	15.33	219.451	
2,300.00	2,288.31	2,309.31	2,309.31	8.51	8.05	4.18	248.00	-3,530.00	3,352.09	3,336.04	16.05	208.798	
2,400.00	2,387.45	2,408.45	2,408.45	8.91	8.40	4.20	248.00	-3,530.00	3,339.07	3,322.30	16.77	199.056	
2,500.00	2,486.60	2,507.60	2,507.60	9.32	8.76	4.22	248.00	-3,530.00	3,326.05	3,308.56	17.50	190.113	
2,600.00	2,585.74	2,606.74	2,606.74	9.74	9.11	4.23	248.00	-3,530.00	3,313.04	3,294.82	18.22	181.875	
2,700.00	2,684.89	2,705.89	2,705.89	10.15	9.47	4.25	248.00	-3,530.00	3,300.02	3,281.08	18.94	174.263	
2,800.00	2,784.03	2,805.03	2,805.03	10.56	9.82	4.27	248.00	-3,530.00	3,287.00	3,267.34	19.66	167.207	
2,900.00	2,883.17	2,904.17	2,904.17	10.97	10.18	4.28	248.00	-3,530.00	3,273.98	3,253.60	20.38	160.649	
3,000.00	2,982.32	3,003.32	3,003.32	11.38	10.53	4.30	248.00	-3,530.00	3,260.97	3,239.87	21.10	154.538	
3,100.00	3,081.46	3,102.46	3,102.46	11.79	10.89	4.32	248.00	-3,530.00	3,247.95	3,226.13	21.82	148.831	
3,200.00	3,180.61	3,201.61	3,201.61	12.21	11.25	4.33	248.00	-3,530.00	3,234.93	3,212.39	22.55	143.488	
3,300.00	3,279.75	3,300.75	3,300.75	12.62	11.60	4.35	248.00	-3,530.00	3,221.92	3,198.65	23.27	138.476	
3,400.00	3,378.90	3,400.10	3,399.90	13.03	11.96	4.37	248.00	-3,530.00	3,208.90	3,184.91	23.99	133.761	
3,500.00	3,478.04	3,500.96	3,499.04	13.45	12.32	4.39	248.00	-3,530.00	3,195.89	3,171.17	24.72	129.292	
3,600.00	3,577.19	3,601.81	3,598.19	13.86	12.68	4.41	248.00	-3,530.00	3,182.87	3,157.43	25.45	125.080	
3,700.00	3,676.33	3,702.67	3,697.33	14.27	13.04	4.42	248.00	-3,530.00	3,169.86	3,143.68	26.18	121.101	
3,800.00	3,775.47	3,803.53	3,796.47	14.69	13.40	4.44	248.00	-3,530.00	3,156.84	3,129.94	26.90	117.337	
3,900.00	3,874.62	3,904.38	3,895.62	15.10	13.76	4.46	248.00	-3,530.00	3,143.83	3,116.20	27.63	113.772	
4,000.00	3,973.76	4,005.24	3,994.76	15.51	14.13	4.48	248.00	-3,530.00	3,130.82	3,102.46	28.36	110.389	
4,100.00	4,072.91	4,106.09	4,093.91	15.93	14.49	4.50	248.00	-3,530.00	3,117.80	3,088.71	29.09	107.176	
4,200.00	4,172.05	4,206.95	4,193.05	16.34	14.85	4.52	248.00	-3,530.00	3,104.79	3,074.97	29.82	104.120	
4,300.00	4,271.20	4,307.80	4,292.20	16.76	15.21	4.54	248.00	-3,530.00	3,091.78	3,061.23	30.55	101.209	
4,400.00	4,370.34	4,408.66	4,391.34	17.17	15.57	4.55	248.00	-3,530.00	3,078.77	3,047.49	31.28	98.433	
4,500.00	4,469.49	4,509.51	4,490.49	17.59	15.93	4.57	248.00	-3,530.00	3,065.75	3,033.75	32.01	95.784	
4,600.00	4,568.63	4,589.63	4,589.63	18.00	16.22	4.59	248.00	-3,530.00	3,052.74	3,020.08	32.66	93.465	
4,700.00	4,667.77	4,666.63	4,666.62	18.41	16.49	4.60	247.50	-3,530.29	3,040.05	3,006.75	33.30	91.281	
4,800.00	4,766.92	4,741.16	4,741.13	18.83	16.73	4.58	245.74	-3,531.30	3,028.17	2,994.24	33.93	89.249	
4,900.00	4,866.06	4,815.78	4,815.66	19.24	16.98	4.53	242.71	-3,533.03	3,017.10	2,982.55	34.55	87.330	
5,000.00	4,965.21	4,890.42	4,890.14	19.66	17.22	4.46	238.43	-3,535.49	3,006.85	2,971.68	35.17	85.504	
5,100.00	5,064.35	4,975.53	4,974.94	20.07	17.50	4.35	232.20	-3,539.06	2,997.35	2,961.54	35.82	83.689	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,074.85	5,073.89	20.49	17.83	4.22	224.69	-3,543.37	2,988.01	2,951.50	36.51	81.842	
5,300.00	5,262.64	5,174.17	5,172.84	20.90	18.15	4.09	217.18	-3,547.67	2,978.67	2,941.47	37.21	80.060	
5,400.00	5,361.79	5,273.50	5,271.78	21.32	18.49	3.95	209.67	-3,551.98	2,969.36	2,931.46	37.90	78.340	
5,500.00	5,460.93	5,372.82	5,370.73	21.57	18.82	3.82	202.16	-3,556.29	2,960.06	2,921.64	38.42	77.037	
5,600.00	5,560.08	5,472.14	5,469.67	21.65	19.04	3.68	194.65	-3,560.59	2,950.76	2,912.14	38.65	76.356	
5,700.00	5,659.22	5,571.47	5,568.62	21.74	19.09	3.55	187.14	-3,564.90	2,941.52	2,902.80	38.72	75.977	
5,800.00	5,758.36	5,670.79	5,667.56	21.84	19.11	3.41	179.63	-3,569.20	2,932.27	2,893.51	38.75	75.663	
5,900.00	5,857.51	5,770.11	5,766.51	21.95	19.14	3.27	172.13	-3,573.51	2,923.04	2,884.23	38.81	75.322	
6,000.00	5,956.65	5,869.44	5,865.45	22.06	19.17	3.13	164.62	-3,577.82	2,913.82	2,874.95	38.87	74.955	
6,100.00	6,055.80	5,968.76	5,964.40	22.18	19.21	2.99	157.11	-3,582.12	2,904.62	2,865.67	38.96	74.562	
6,200.00	6,154.94	6,068.08	6,063.34	22.31	19.26	2.85	149.60	-3,586.43	2,895.44	2,856.39	39.05	74.144	
6,300.00	6,254.09	6,167.41	6,162.29	22.45	19.32	2.71	142.09	-3,590.74	2,886.28	2,847.12	39.16	73.703	
6,400.00	6,353.23	6,266.73	6,261.23	22.59	19.38	2.57	134.58	-3,595.04	2,877.14	2,837.85	39.28	73.238	
6,500.00	6,452.38	6,366.05	6,360.18	22.74	19.46	2.42	127.07	-3,599.35	2,868.01	2,828.59	39.42	72.752	
6,600.00	6,551.52	6,465.38	6,459.12	22.89	19.53	2.28	119.56	-3,603.65	2,858.90	2,819.33	39.57	72.244	
6,700.00	6,650.66	6,564.70	6,558.07	23.06	19.62	2.13	112.05	-3,607.96	2,849.81	2,810.07	39.74	71.716	
6,800.00	6,749.81	6,664.02	6,657.01	23.22	19.71	1.99	104.54	-3,612.27	2,840.74	2,800.82	39.92	71.169	
6,900.00	6,848.95	6,763.34	6,755.96	23.40	19.81	1.84	97.03	-3,616.57	2,831.69	2,791.58	40.11	70.605	
7,000.00	6,948.10	6,862.67	6,854.90	23.58	19.92	1.69	89.52	-3,620.88	2,822.65	2,782.34	40.31	70.024	
7,100.00	7,047.24	6,961.99	6,953.85	23.77	20.03	1.54	82.01	-3,625.19	2,813.64	2,773.11	40.53	69.427	
7,200.00	7,146.39	7,061.31	7,052.79	23.96	20.16	1.39	74.50	-3,629.49	2,804.64	2,763.88	40.76	68.816	
7,300.00	7,245.53	7,160.64	7,151.74	24.16	20.28	1.24	66.99	-3,633.80	2,795.66	2,754.66	41.00	68.191	
7,400.00	7,344.68	7,259.96	7,250.68	24.36	20.42	1.09	59.48	-3,638.11	2,786.70	2,745.45	41.25	67.555	
7,500.00	7,443.82	7,359.28	7,349.63	24.57	20.56	0.94	51.97	-3,642.41	2,777.77	2,736.25	41.52	66.907	
7,600.00	7,542.97	7,458.61	7,448.57	24.78	20.70	0.78	44.46	-3,646.72	2,768.85	2,727.05	41.79	66.250	
7,700.00	7,642.11	7,557.93	7,547.52	25.00	20.85	0.63	36.95	-3,651.02	2,759.95	2,717.87	42.08	65.584	
7,800.00	7,741.25	7,657.25	7,646.47	25.23	21.01	0.47	29.45	-3,655.33	2,751.07	2,708.69	42.38	64.911	
7,900.00	7,840.40	7,756.58	7,745.41	25.45	21.18	0.32	21.94	-3,659.64	2,742.21	2,699.52	42.69	64.231	
8,000.00	7,939.54	7,855.90	7,844.35	25.69	21.35	0.16	14.43	-3,663.94	2,733.38	2,690.36	43.01	63.545	
8,100.00	8,038.69	7,955.22	7,943.30	25.93	21.52	0.00	6.92	-3,668.25	2,724.56	2,681.21	43.35	62.855	
8,199.68	8,137.51	8,054.23	8,041.93	26.17	21.70	-0.16	-0.57	-3,672.54	2,715.79	2,672.11	43.69	62.164	
8,300.00	8,237.14	8,153.97	8,141.29	26.40	21.89	-0.32	-8.11	-3,676.87	2,708.31	2,664.27	44.04	61.497	
8,400.00	8,336.72	8,253.56	8,240.50	26.62	22.08	-0.48	-15.64	-3,681.18	2,703.48	2,659.08	44.40	60.891	
8,500.00	8,436.50	8,362.54	8,349.08	26.82	22.29	-0.66	-23.80	-3,685.86	2,701.26	2,656.48	44.78	60.323	
8,600.00	8,536.42	8,517.14	8,503.38	27.00	22.59	-0.83	-31.86	-3,690.49	2,700.35	2,655.12	45.24	59.693	
8,699.68	8,636.09	8,671.60	8,657.80	27.16	22.87	-90.31	-34.50	-3,692.00	2,700.04	2,654.37	45.67	59.126	
8,706.65	8,643.05	8,682.40	8,668.61	27.17	22.89	-90.31	-34.48	-3,691.99	2,700.03	2,654.34	45.69	59.088	CC
8,800.00	8,736.41	8,771.20	8,757.41	27.31	23.04	-90.31	-34.50	-3,692.00	2,700.04	2,654.03	46.00	58.691	
8,900.00	8,836.41	8,871.20	8,857.41	27.46	23.20	-90.31	-34.50	-3,692.00	2,700.04	2,653.69	46.35	58.253	
9,000.00	8,936.41	8,971.20	8,957.41	27.62	23.38	-90.31	-34.50	-3,692.00	2,700.04	2,653.33	46.70	57.811	
9,100.00	9,036.41	9,071.20	9,057.41	27.78	23.55	-90.31	-34.50	-3,692.00	2,700.04	2,652.97	47.07	57.365	
9,200.00	9,136.41	9,171.20	9,157.41	27.94	23.74	-90.31	-34.50	-3,692.00	2,700.04	2,652.60	47.44	56.917	
9,300.00	9,236.41	9,271.20	9,257.41	28.11	23.92	-90.31	-34.50	-3,692.00	2,700.04	2,652.22	47.82	56.466	
9,400.00	9,336.41	9,371.20	9,357.41	28.28	24.11	-90.31	-34.50	-3,692.00	2,700.04	2,651.84	48.20	56.013	
9,500.00	9,436.41	9,471.20	9,457.41	28.45	24.30	-90.31	-34.50	-3,692.00	2,700.04	2,651.44	48.60	55.559	
9,600.00	9,536.41	9,571.20	9,557.41	28.63	24.50	-90.31	-34.50	-3,692.00	2,700.04	2,651.04	49.00	55.104	
9,700.00	9,636.41	9,671.20	9,657.41	28.81	24.70	-90.31	-34.50	-3,692.00	2,700.04	2,650.63	49.41	54.648	
9,800.00	9,736.41	9,771.20	9,757.41	29.00	24.91	-90.31	-34.50	-3,692.00	2,700.04	2,650.22	49.82	54.193	
9,900.00	9,836.41	9,871.20	9,857.41	29.18	25.11	-90.31	-34.50	-3,692.00	2,700.04	2,649.79	50.25	53.737	
10,000.00	9,936.41	9,971.20	9,957.41	29.37	25.32	-90.31	-34.50	-3,692.00	2,700.04	2,649.37	50.67	53.283	
10,100.00	10,036.41	10,071.20	10,057.41	29.57	25.54	-90.31	-34.50	-3,692.00	2,700.04	2,648.93	51.11	52.829	
10,200.00	10,136.41	10,171.20	10,157.41	29.77	25.76	-90.31	-34.50	-3,692.00	2,700.04	2,648.49	51.55	52.376	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,236.41	10,271.20	10,257.41	29.97	25.98	-90.31	-34.50	-3,692.00	2,700.04	2,648.04	52.00	51.925	
10,400.00	10,336.41	10,371.20	10,357.41	30.17	26.20	-90.31	-34.50	-3,692.00	2,700.04	2,647.59	52.45	51.476	
10,500.00	10,436.41	10,471.20	10,457.41	30.37	26.43	-90.31	-34.50	-3,692.00	2,700.04	2,647.13	52.91	51.029	
10,600.00	10,536.41	10,571.20	10,557.41	30.58	26.66	-90.31	-34.50	-3,692.00	2,700.04	2,646.66	53.38	50.584	
10,700.00	10,636.41	10,671.20	10,657.41	30.79	26.89	-90.31	-34.50	-3,692.00	2,700.04	2,646.19	53.85	50.142	
10,800.00	10,736.41	10,771.20	10,757.41	31.01	27.12	-90.31	-34.50	-3,692.00	2,700.04	2,645.72	54.32	49.703	
10,900.00	10,836.41	10,871.20	10,857.41	31.22	27.36	-90.31	-34.50	-3,692.00	2,700.04	2,645.23	54.81	49.266	
11,000.00	10,936.41	10,971.20	10,957.41	31.44	27.60	-90.31	-34.50	-3,692.00	2,700.04	2,644.75	55.29	48.833	
11,100.00	11,036.41	11,071.20	11,057.41	31.67	27.84	-90.31	-34.50	-3,692.00	2,700.04	2,644.26	55.78	48.403	
11,200.00	11,136.41	11,171.20	11,157.41	31.89	28.09	-90.31	-34.50	-3,692.00	2,700.04	2,643.76	56.28	47.976	
11,300.00	11,236.41	11,271.20	11,257.41	32.12	28.34	-90.31	-34.50	-3,692.00	2,700.04	2,643.26	56.78	47.552	
11,400.00	11,336.41	11,371.20	11,357.41	32.35	28.59	-90.31	-34.50	-3,692.00	2,700.04	2,642.75	57.29	47.133	
11,500.00	11,436.41	11,471.20	11,457.41	32.58	28.84	-90.31	-34.50	-3,692.00	2,700.04	2,642.24	57.80	46.717	
11,600.00	11,536.41	11,571.20	11,557.41	32.81	29.09	-90.31	-34.50	-3,692.00	2,700.04	2,641.73	58.31	46.305	
11,700.00	11,636.41	11,671.20	11,657.41	33.05	29.35	-90.31	-34.50	-3,692.00	2,700.04	2,641.21	58.83	45.897	
11,800.00	11,736.41	11,771.20	11,757.41	33.28	29.61	-90.31	-34.50	-3,692.00	2,700.04	2,640.69	59.35	45.492	
11,900.00	11,836.41	11,871.20	11,857.41	33.53	29.87	-90.31	-34.50	-3,692.00	2,700.04	2,640.16	59.88	45.092	
12,000.00	11,936.41	11,971.27	11,957.47	33.77	30.13	-90.30	-34.32	-3,692.00	2,700.04	2,639.63	60.41	44.697	
12,041.34	11,977.75	12,012.64	11,998.75	33.87	30.24	-90.25	-31.78	-3,692.01	2,700.04	2,639.41	60.62	44.537	
12,100.00	12,036.41	12,070.24	12,055.71	34.01	30.37	-90.07	-23.31	-3,692.05	2,700.05	2,639.13	60.92	44.322	
12,198.59	12,135.00	12,161.62	12,143.49	34.25	30.57	-89.54	1.72	-3,692.16	2,700.27	2,638.89	61.39	43.987	
12,200.00	12,136.41	12,162.86	12,144.65	34.26	30.57	-89.28	2.16	-3,692.16	2,700.28	2,638.89	61.39	43.983	
12,250.00	12,186.34	12,206.39	12,184.77	34.38	30.65	-88.93	19.01	-3,692.23	2,700.57	2,638.95	61.62	43.827	
12,300.00	12,235.88	12,248.94	12,222.65	34.51	30.73	-88.59	38.38	-3,692.32	2,700.95	2,639.11	61.84	43.680	
12,350.00	12,284.65	12,290.62	12,258.26	34.63	30.79	-88.26	60.03	-3,692.41	2,701.41	2,639.37	62.04	43.540	
12,400.00	12,332.29	12,331.53	12,291.59	34.75	30.85	-87.95	83.74	-3,692.52	2,701.94	2,639.69	62.25	43.407	
12,450.00	12,378.42	12,371.75	12,322.62	34.87	30.91	-87.64	109.31	-3,692.63	2,702.52	2,640.08	62.45	43.278	
12,500.00	12,422.70	12,411.37	12,351.36	34.98	30.97	-87.35	136.56	-3,692.75	2,703.14	2,640.50	62.64	43.152	
12,550.00	12,464.79	12,450.00	12,377.51	35.09	31.02	-87.08	164.99	-3,692.87	2,703.79	2,640.95	62.84	43.028	
12,600.00	12,504.37	12,489.04	12,401.93	35.20	31.07	-86.82	195.43	-3,693.00	2,704.43	2,641.39	63.04	42.902	
12,650.00	12,541.14	12,527.22	12,423.75	35.30	31.12	-86.58	226.75	-3,693.14	2,705.07	2,641.83	63.24	42.772	
12,700.00	12,574.82	12,565.03	12,443.26	35.41	31.18	-86.36	259.14	-3,693.28	2,705.68	2,642.23	63.46	42.638	
12,750.00	12,605.15	12,602.53	12,460.46	35.52	31.25	-86.17	292.46	-3,693.43	2,706.26	2,642.58	63.68	42.496	
12,800.00	12,631.90	12,639.77	12,475.34	35.63	31.32	-85.99	326.58	-3,693.58	2,706.79	2,642.87	63.92	42.345	
12,850.00	12,654.87	12,676.78	12,487.91	35.75	31.41	-85.84	361.38	-3,693.73	2,707.26	2,643.08	64.18	42.183	
12,900.00	12,673.88	12,713.60	12,498.16	35.87	31.49	-85.72	396.75	-3,693.88	2,707.66	2,643.21	64.45	42.010	
12,950.00	12,688.80	12,750.00	12,506.03	36.01	31.59	-85.62	432.28	-3,694.04	2,707.98	2,643.24	64.74	41.826	
12,998.59	12,699.25	12,783.15	12,513.50	36.15	36.98	-85.57	474.78	-3,694.22	2,708.15	2,643.14	65.01	41.659	
13,000.00	12,699.50	12,784.24	12,513.68	36.15	36.98	-85.57	475.85	-3,694.23	2,708.15	2,643.13	65.02	41.654	
13,023.59	12,703.59	12,812.51	12,516.44	41.04	36.99	-85.56	493.91	-3,694.32	2,708.20	2,643.07	65.14	41.577	
13,050.00	12,707.82	12,832.94	12,519.12	41.08	37.00	-85.53	514.16	-3,694.43	2,708.28	2,643.02	65.27	41.496	
13,100.00	12,713.84	12,871.60	12,523.01	41.16	37.02	-85.50	552.62	-3,694.67	2,708.38	2,642.85	65.54	41.326	
13,150.00	12,717.26	12,910.25	12,525.34	41.25	37.04	-85.49	591.20	-3,694.95	2,708.43	2,642.58	65.84	41.135	
13,190.34	12,718.11	12,941.42	12,526.08	41.33	37.06	-85.49	622.36	-3,695.20	2,708.42	2,642.30	66.11	40.965	
13,194.40	12,718.11	12,953.68	12,526.11	41.34	37.06	-85.49	624.33	-3,695.22	2,708.41	2,642.24	66.17	40.930	
13,200.00	12,718.11	12,949.00	12,526.11	41.35	37.06	-85.49	629.93	-3,695.27	2,708.41	2,642.23	66.18	40.923	
13,300.00	12,718.10	13,049.00	12,526.10	41.56	37.12	-85.49	729.93	-3,696.15	2,708.41	2,641.40	67.02	40.414	
13,400.00	12,718.10	13,149.00	12,526.10	41.82	37.17	-85.49	829.93	-3,697.03	2,708.41	2,640.42	67.99	39.834	
13,500.00	12,718.10	13,249.00	12,526.10	42.11	37.24	-85.49	929.92	-3,697.90	2,708.41	2,639.30	69.11	39.188	
13,600.00	12,718.10	13,349.00	12,526.10	42.44	37.30	-85.49	1,029.92	-3,698.78	2,708.41	2,638.04	70.37	38.487	
13,700.00	12,718.09	13,449.00	12,526.09	42.83	37.38	-85.49	1,129.91	-3,699.66	2,708.41	2,636.65	71.76	37.741	
13,800.00	12,718.09	13,549.00	12,526.09	43.28	37.47	-85.49	1,229.91	-3,700.54	2,708.42	2,635.14	73.28	36.962	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5420-MWD - OWSG, 12755-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,718.09	13,649.00	12,526.09	43.79	37.59	-85.49	1,329.91	-3,701.41	2,708.42	2,633.51	74.91	36.158	
14,000.00	12,718.09	13,749.00	12,526.09	44.37	37.79	-85.49	1,429.90	-3,702.29	2,708.42	2,631.77	76.64	35.338	
14,100.00	12,718.08	13,849.00	12,526.08	45.02	38.18	-85.49	1,529.90	-3,703.17	2,708.42	2,629.93	78.48	34.510	
14,200.00	12,718.08	13,949.00	12,526.08	45.74	38.86	-85.49	1,629.89	-3,704.05	2,708.42	2,628.00	80.42	33.680	
14,300.00	12,718.08	14,049.00	12,526.08	46.52	39.74	-85.49	1,729.89	-3,704.93	2,708.42	2,625.98	82.44	32.854	
14,400.00	12,718.08	14,149.00	12,526.08	47.37	40.71	-85.49	1,829.89	-3,705.80	2,708.42	2,623.88	84.54	32.037	
14,500.00	12,718.07	14,249.00	12,526.07	48.28	41.74	-85.49	1,929.88	-3,706.68	2,708.42	2,621.70	86.72	31.232	
14,600.00	12,718.07	14,349.00	12,526.07	49.25	42.83	-85.49	2,029.88	-3,707.56	2,708.42	2,619.45	88.97	30.442	
14,700.00	12,718.07	14,449.00	12,526.07	50.26	43.95	-85.49	2,129.88	-3,708.44	2,708.42	2,617.14	91.28	29.671	
14,800.00	12,718.07	14,549.00	12,526.07	51.32	45.11	-85.49	2,229.87	-3,709.32	2,708.42	2,614.76	93.66	28.918	
14,900.00	12,718.06	14,649.00	12,526.06	52.42	46.30	-85.49	2,329.87	-3,710.19	2,708.42	2,612.33	96.09	28.187	
15,000.00	12,718.06	14,749.00	12,526.06	53.56	47.52	-85.49	2,429.86	-3,711.07	2,708.42	2,609.85	98.57	27.478	
15,100.00	12,718.06	14,849.00	12,526.06	54.74	48.77	-85.49	2,529.86	-3,711.95	2,708.42	2,607.33	101.10	26.791	
15,200.00	12,718.06	14,949.00	12,526.06	55.94	50.04	-85.49	2,629.86	-3,712.83	2,708.42	2,604.75	103.67	26.126	
15,300.00	12,718.05	15,049.00	12,526.05	57.17	51.34	-85.49	2,729.85	-3,713.70	2,708.42	2,602.14	106.28	25.483	
15,400.00	12,718.05	15,149.00	12,526.05	58.43	52.65	-85.49	2,829.85	-3,714.58	2,708.42	2,599.49	108.93	24.863	
15,500.00	12,718.05	15,249.00	12,526.05	59.71	53.99	-85.49	2,929.84	-3,715.46	2,708.42	2,596.80	111.62	24.264	
15,600.00	12,718.05	15,349.00	12,526.05	61.02	55.34	-85.49	3,029.84	-3,716.34	2,708.42	2,594.08	114.34	23.687	
15,700.00	12,718.04	15,449.00	12,526.04	62.34	56.71	-85.49	3,129.84	-3,717.22	2,708.42	2,591.33	117.09	23.131	
15,800.00	12,718.04	15,549.00	12,526.04	63.68	58.09	-85.49	3,229.83	-3,718.09	2,708.43	2,588.56	119.87	22.595	
15,900.00	12,718.04	15,649.00	12,526.04	65.04	59.49	-85.49	3,329.83	-3,718.97	2,708.43	2,585.75	122.67	22.078	
16,000.00	12,718.04	15,749.00	12,526.04	66.41	60.90	-85.49	3,429.83	-3,719.85	2,708.43	2,582.92	125.50	21.580	
16,100.00	12,718.03	15,849.00	12,526.03	67.80	62.33	-85.49	3,529.82	-3,720.73	2,708.43	2,580.07	128.36	21.101	
16,200.00	12,718.03	15,949.00	12,526.03	69.20	63.76	-85.49	3,629.82	-3,721.60	2,708.43	2,577.20	131.23	20.639	
16,300.00	12,718.03	16,049.00	12,526.03	70.61	65.21	-85.49	3,729.81	-3,722.48	2,708.43	2,574.30	134.13	20.193	
16,400.00	12,718.03	16,149.00	12,526.03	72.04	66.66	-85.49	3,829.81	-3,723.36	2,708.43	2,571.39	137.04	19.764	
16,500.00	12,718.02	16,249.00	12,526.03	73.47	68.13	-85.49	3,929.81	-3,724.24	2,708.43	2,568.46	139.97	19.350	
16,600.00	12,718.02	16,349.00	12,526.02	74.92	69.60	-85.49	4,029.80	-3,725.12	2,708.43	2,565.51	142.92	18.951	
16,700.00	12,718.02	16,449.00	12,526.02	76.37	71.08	-85.49	4,129.80	-3,725.99	2,708.43	2,562.55	145.88	18.566	
16,800.00	12,718.02	16,549.00	12,526.02	77.83	72.57	-85.49	4,229.79	-3,726.87	2,708.43	2,559.57	148.86	18.195	
16,900.00	12,718.01	16,649.00	12,526.02	79.31	74.07	-85.49	4,329.79	-3,727.75	2,708.43	2,556.58	151.85	17.836	
17,000.00	12,718.01	16,749.00	12,526.01	80.79	75.57	-85.49	4,429.79	-3,728.63	2,708.43	2,553.58	154.86	17.490	
17,100.00	12,718.01	16,849.00	12,526.01	82.27	77.08	-85.49	4,529.78	-3,729.50	2,708.43	2,550.56	157.87	17.156	
17,200.00	12,718.01	16,949.00	12,526.01	83.77	78.60	-85.49	4,629.78	-3,730.38	2,708.43	2,547.53	160.90	16.833	
17,300.00	12,718.01	17,049.00	12,526.01	85.27	80.12	-85.49	4,729.77	-3,731.26	2,708.43	2,544.49	163.94	16.521	
17,400.00	12,718.00	17,149.00	12,526.00	86.77	81.65	-85.49	4,829.77	-3,732.14	2,708.43	2,541.44	166.99	16.219	
17,491.53	12,718.00	17,240.52	12,526.00	88.16	82.98	-85.49	4,921.29	-3,732.94	2,708.43	2,538.72	169.72	15.958	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	11.00	11.00	0.00	0.01	-80.49	290.00	-1,911.00	1,937.61				
100.00	100.00	111.00	111.00	0.13	0.17	-80.49	290.00	-1,911.00	1,937.61	1,937.31	0.30	6,551.739	
200.00	200.00	211.00	211.00	0.49	0.53	-80.49	290.00	-1,911.00	1,937.61	1,936.59	1.01	1,913.341	
300.00	300.00	311.00	311.00	0.84	0.89	-80.49	290.00	-1,911.00	1,937.61	1,935.88	1.73	1,120.247	
400.00	400.00	411.00	411.00	1.20	1.24	-80.49	290.00	-1,911.00	1,937.61	1,935.16	2.45	791.969	
500.00	500.00	511.00	511.00	1.56	1.60	-80.49	290.00	-1,911.00	1,937.61	1,934.44	3.16	612.486	
600.00	600.00	611.00	611.00	1.92	1.96	-80.49	290.00	-1,911.00	1,937.61	1,933.73	3.88	499.325	
700.00	699.99	710.99	710.99	2.27	2.32	8.94	290.00	-1,911.00	1,936.31	1,931.72	4.59	421.930	
800.00	799.91	810.91	810.91	2.62	2.68	8.96	290.00	-1,911.00	1,932.44	1,927.14	5.29	365.020	
900.00	899.69	910.69	910.69	2.97	3.04	9.01	290.00	-1,911.00	1,925.98	1,919.97	6.00	320.866	
1,000.00	999.27	1,010.27	1,010.27	3.33	3.39	9.07	290.00	-1,911.00	1,916.94	1,910.23	6.71	285.551	
1,100.00	1,098.57	1,109.57	1,109.57	3.70	3.75	9.16	290.00	-1,911.00	1,905.33	1,897.91	7.43	256.595	
1,200.00	1,197.72	1,208.72	1,208.72	4.09	4.10	9.22	290.00	-1,911.00	1,892.44	1,884.31	8.14	232.560	
1,300.00	1,296.86	1,307.86	1,307.86	4.48	4.46	9.28	290.00	-1,911.00	1,879.56	1,870.71	8.85	212.389	
1,400.00	1,396.01	1,407.01	1,407.01	4.87	4.81	9.35	290.00	-1,911.00	1,866.67	1,857.11	9.56	195.183	
1,500.00	1,495.15	1,506.15	1,506.15	5.27	5.17	9.41	290.00	-1,911.00	1,853.79	1,843.51	10.28	180.340	
1,600.00	1,594.30	1,605.30	1,605.30	5.66	5.53	9.48	290.00	-1,911.00	1,840.92	1,829.92	11.00	167.411	
1,700.00	1,693.44	1,704.44	1,704.44	6.07	5.88	9.55	290.00	-1,911.00	1,828.04	1,816.32	11.71	156.051	
1,800.00	1,792.58	1,803.58	1,803.58	6.47	6.24	9.62	290.00	-1,911.00	1,815.17	1,802.73	12.43	145.993	
1,900.00	1,891.73	1,902.73	1,902.73	6.87	6.59	9.69	290.00	-1,911.00	1,802.29	1,789.14	13.15	137.026	
2,000.00	1,990.87	2,001.87	2,001.87	7.28	6.95	9.76	290.00	-1,911.00	1,789.43	1,775.55	13.87	128.985	
2,100.00	2,090.02	2,101.02	2,101.02	7.69	7.30	9.83	290.00	-1,911.00	1,776.56	1,761.97	14.59	121.733	
2,200.00	2,189.16	2,200.16	2,200.16	8.10	7.66	9.90	290.00	-1,911.00	1,763.70	1,748.38	15.32	115.160	
2,300.00	2,288.31	2,300.69	2,299.31	8.51	8.02	9.97	290.00	-1,911.00	1,750.84	1,734.80	16.04	109.141	
2,400.00	2,387.45	2,401.55	2,398.45	8.91	8.38	10.05	290.00	-1,911.00	1,737.98	1,721.21	16.77	103.635	
2,500.00	2,486.60	2,502.40	2,497.60	9.32	8.74	10.12	290.00	-1,911.00	1,725.13	1,707.63	17.50	98.586	
2,600.00	2,585.74	2,603.26	2,596.74	9.74	9.10	10.20	290.00	-1,911.00	1,712.28	1,694.05	18.23	93.938	
2,700.00	2,684.89	2,704.11	2,695.89	10.15	9.46	10.28	290.00	-1,911.00	1,699.43	1,680.47	18.96	89.647	
2,800.00	2,784.03	2,804.97	2,795.03	10.56	9.83	10.36	290.00	-1,911.00	1,686.58	1,666.90	19.69	85.673	
2,900.00	2,883.17	2,905.83	2,894.17	10.97	10.19	10.44	290.00	-1,911.00	1,673.74	1,653.32	20.42	81.982	
3,000.00	2,982.32	3,006.68	2,993.32	11.38	10.55	10.52	290.00	-1,911.00	1,660.90	1,639.76	21.15	78.545	
3,100.00	3,081.46	3,107.54	3,092.46	11.79	10.91	10.60	290.00	-1,911.00	1,648.07	1,626.19	21.88	75.337	
3,200.00	3,180.61	3,208.39	3,191.61	12.21	11.27	10.69	290.00	-1,911.00	1,635.23	1,612.63	22.61	72.335	
3,300.00	3,279.75	3,309.25	3,290.75	12.62	11.63	10.77	290.00	-1,911.00	1,622.41	1,599.07	23.34	69.521	
3,400.00	3,378.90	3,389.90	3,389.90	13.03	11.92	10.66	290.00	-1,911.00	1,609.58	1,585.59	24.00	67.079	
3,500.00	3,478.04	3,489.04	3,489.04	13.45	12.28	10.95	290.00	-1,911.00	1,596.76	1,572.04	24.72	64.594	
3,600.00	3,577.19	3,588.19	3,588.19	13.86	12.63	11.04	290.00	-1,911.00	1,583.94	1,558.50	25.44	62.250	
3,700.00	3,676.33	3,687.33	3,687.33	14.27	12.99	11.13	290.00	-1,911.00	1,571.13	1,544.96	26.17	60.035	
3,800.00	3,775.47	3,786.47	3,786.47	14.69	13.34	11.22	290.00	-1,911.00	1,558.32	1,531.43	26.90	57.940	
3,900.00	3,874.62	3,885.62	3,885.62	15.10	13.70	11.31	290.00	-1,911.00	1,545.52	1,517.89	27.62	55.954	
4,000.00	3,973.76	3,984.76	3,984.76	15.51	14.05	11.41	290.00	-1,911.00	1,532.71	1,504.37	28.35	54.070	
4,100.00	4,072.91	4,083.91	4,083.91	15.93	14.41	11.51	290.00	-1,911.00	1,519.92	1,490.85	29.07	52.280	
4,200.00	4,172.05	4,183.05	4,183.05	16.34	14.77	11.61	290.00	-1,911.00	1,507.13	1,477.33	29.80	50.577	
4,300.00	4,271.20	4,282.20	4,282.20	16.76	15.12	11.71	290.00	-1,911.00	1,494.34	1,463.81	30.52	48.955	
4,400.00	4,370.34	4,381.34	4,381.34	17.17	15.48	11.81	290.00	-1,911.00	1,481.55	1,450.30	31.25	47.408	
4,500.00	4,469.49	4,480.49	4,480.49	17.59	15.83	11.91	290.00	-1,911.00	1,468.78	1,436.80	31.98	45.931	
4,600.00	4,568.63	4,579.63	4,579.63	18.00	16.19	12.02	290.00	-1,911.00	1,456.00	1,423.30	32.70	44.520	
4,700.00	4,667.77	4,678.77	4,678.77	18.41	16.54	12.13	290.00	-1,911.00	1,443.23	1,409.80	33.43	43.170	
4,800.00	4,766.92	4,777.92	4,777.92	18.83	16.90	12.24	290.00	-1,911.00	1,430.47	1,396.31	34.16	41.878	
4,900.00	4,866.06	4,885.89	4,885.88	19.24	17.27	12.32	289.04	-1,910.94	1,417.47	1,382.58	34.89	40.627	
5,000.00	4,965.21	4,996.20	4,996.12	19.66	17.63	12.29	284.97	-1,910.71	1,403.70	1,368.10	35.60	39.429	
5,100.00	5,064.35	5,106.13	5,105.80	20.07	17.98	12.12	277.76	-1,910.30	1,389.15	1,352.84	36.31	38.263	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12635-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,207.53	5,206.82	20.49	18.31	11.89	269.03	-1,909.80	1,374.05	1,337.06	37.00	37.141	
5,300.00	5,262.64	5,306.22	5,305.14	20.90	18.63	11.65	260.45	-1,909.31	1,358.96	1,321.27	37.68	36.062	
5,400.00	5,361.79	5,404.91	5,403.46	21.32	18.95	11.40	251.86	-1,908.82	1,343.88	1,305.52	38.37	35.028	
5,500.00	5,460.93	5,503.60	5,501.77	21.57	19.12	11.15	243.27	-1,908.33	1,328.84	1,290.12	38.72	34.323	
5,600.00	5,560.08	5,602.29	5,600.09	21.65	19.12	10.89	234.68	-1,907.83	1,313.81	1,275.08	38.74	33.917	
5,700.00	5,659.22	5,700.98	5,698.40	21.74	19.14	10.63	226.10	-1,907.34	1,298.82	1,260.05	38.77	33.501	
5,800.00	5,758.36	5,800.33	5,796.72	21.84	19.17	10.36	217.51	-1,906.85	1,283.85	1,245.03	38.82	33.073	
5,900.00	5,857.51	5,901.63	5,895.03	21.95	19.20	10.08	208.92	-1,906.36	1,268.91	1,230.03	38.88	32.635	
6,000.00	5,956.65	6,002.94	5,993.35	22.06	19.25	9.80	200.33	-1,905.87	1,254.00	1,215.04	38.96	32.187	
6,100.00	6,055.80	6,104.25	6,091.66	22.18	19.30	9.51	191.75	-1,905.38	1,239.12	1,200.07	39.05	31.729	
6,200.00	6,154.94	6,205.56	6,189.98	22.31	19.36	9.22	183.16	-1,904.89	1,224.27	1,185.11	39.16	31.264	
6,300.00	6,254.09	6,306.87	6,288.29	22.45	19.42	8.91	174.57	-1,904.39	1,209.46	1,170.18	39.28	30.790	
6,400.00	6,353.23	6,408.18	6,386.61	22.59	19.50	8.60	165.98	-1,903.90	1,194.68	1,155.26	39.42	30.310	
6,500.00	6,452.38	6,509.49	6,484.92	22.74	19.58	8.29	157.40	-1,903.41	1,179.93	1,140.37	39.56	29.823	
6,600.00	6,551.52	6,589.20	6,583.24	22.89	19.65	7.96	148.81	-1,902.92	1,165.22	1,125.52	39.71	29.345	
6,700.00	6,650.66	6,687.89	6,681.55	23.06	19.74	7.63	140.22	-1,902.43	1,150.55	1,110.67	39.88	28.850	
6,800.00	6,749.81	6,786.58	6,779.87	23.22	19.84	7.28	131.63	-1,901.94	1,135.92	1,095.86	40.07	28.351	
6,900.00	6,848.95	6,885.27	6,878.18	23.40	19.95	6.93	123.05	-1,901.45	1,121.33	1,081.07	40.26	27.849	
7,000.00	6,948.10	6,983.96	6,976.50	23.58	20.06	6.57	114.46	-1,900.95	1,106.78	1,066.31	40.48	27.345	
7,100.00	7,047.24	7,082.65	7,074.81	23.77	20.18	6.20	105.87	-1,900.46	1,092.28	1,051.58	40.70	26.838	
7,200.00	7,146.39	7,181.35	7,173.13	23.96	20.31	5.82	97.28	-1,899.97	1,077.82	1,036.89	40.94	26.330	
7,300.00	7,245.53	7,280.04	7,271.44	24.16	20.44	5.43	88.70	-1,899.48	1,063.41	1,022.23	41.18	25.821	
7,400.00	7,344.68	7,378.73	7,369.76	24.36	20.58	5.03	80.11	-1,898.99	1,049.05	1,007.61	41.44	25.312	
7,500.00	7,443.82	7,477.42	7,468.07	24.57	20.73	4.61	71.52	-1,898.50	1,034.75	993.03	41.72	24.804	
7,600.00	7,542.97	7,576.11	7,566.39	24.78	20.88	4.19	62.93	-1,898.01	1,020.49	978.49	42.00	24.297	
7,700.00	7,642.11	7,674.80	7,664.71	25.00	21.03	3.75	54.35	-1,897.51	1,006.30	964.00	42.30	23.792	
7,800.00	7,741.25	7,773.49	7,763.02	25.23	21.20	3.31	45.76	-1,897.02	992.16	949.56	42.60	23.288	
7,900.00	7,840.40	7,872.18	7,861.34	25.45	21.36	2.84	37.17	-1,896.53	978.09	935.17	42.92	22.788	
8,000.00	7,939.54	7,970.87	7,959.65	25.69	21.54	2.37	28.58	-1,896.04	964.08	920.83	43.25	22.291	
8,100.00	8,038.69	8,069.56	8,057.97	25.93	21.72	1.88	20.00	-1,895.55	950.13	906.54	43.59	21.797	
8,199.68	8,137.51	8,167.94	8,155.97	26.17	21.90	1.38	11.44	-1,895.06	936.30	892.36	43.94	21.309	
8,300.00	8,237.14	8,267.11	8,254.76	26.40	22.09	0.86	2.81	-1,894.56	923.77	879.47	44.30	20.853	
8,400.00	8,336.72	8,366.26	8,353.53	26.62	22.28	0.32	-5.82	-1,894.07	913.95	869.28	44.67	20.461	
8,500.00	8,436.50	8,465.62	8,452.52	26.82	22.48	-0.22	-14.47	-1,893.58	906.82	861.78	45.04	20.132	
8,600.00	8,536.42	8,565.14	8,551.66	27.00	22.69	-0.78	-23.12	-1,893.08	902.40	856.97	45.43	19.865	
8,699.68	8,636.09	8,663.91	8,650.08	27.16	22.90	-90.73	-31.41	-1,892.61	900.68	854.88	45.81	19.662	
8,800.00	8,736.41	8,763.08	8,749.06	27.31	23.10	-91.11	-37.50	-1,892.26	900.43	854.24	46.19	19.495	
8,900.00	8,836.41	8,862.19	8,848.10	27.46	23.30	-91.34	-41.02	-1,892.06	900.30	853.74	46.57	19.334	
9,000.00	8,936.41	8,961.50	8,947.41	27.62	23.48	-91.40	-42.00	-1,892.00	900.27	853.34	46.93	19.182	
9,100.00	9,036.41	9,061.50	9,047.41	27.78	23.66	-91.40	-42.00	-1,892.00	900.27	852.98	47.29	19.037	
9,200.00	9,136.41	9,161.50	9,147.41	27.94	23.83	-91.40	-42.00	-1,892.00	900.27	852.61	47.66	18.891	
9,300.00	9,236.41	9,261.50	9,247.41	28.11	24.01	-91.40	-42.00	-1,892.00	900.27	852.24	48.03	18.744	
9,400.00	9,336.41	9,361.50	9,347.41	28.28	24.20	-91.40	-42.00	-1,892.00	900.27	851.86	48.41	18.596	
9,500.00	9,436.41	9,461.50	9,447.41	28.45	24.39	-91.40	-42.00	-1,892.00	900.27	851.47	48.80	18.448	
9,600.00	9,536.41	9,561.50	9,547.41	28.63	24.58	-91.40	-42.00	-1,892.00	900.27	851.07	49.20	18.299	
9,700.00	9,636.41	9,661.50	9,647.41	28.81	24.78	-91.40	-42.00	-1,892.00	900.27	850.67	49.60	18.151	
9,800.00	9,736.41	9,761.50	9,747.41	29.00	24.98	-91.40	-42.00	-1,892.00	900.27	850.26	50.01	18.002	
9,900.00	9,836.41	9,861.50	9,847.41	29.18	25.18	-91.40	-42.00	-1,892.00	900.27	849.84	50.43	17.853	
10,000.00	9,936.41	9,961.50	9,947.41	29.37	25.39	-91.40	-42.00	-1,892.00	900.27	849.42	50.85	17.704	
10,100.00	10,036.41	10,061.50	10,047.41	29.57	25.60	-91.40	-42.00	-1,892.00	900.27	848.99	51.28	17.555	
10,200.00	10,136.41	10,161.50	10,147.41	29.77	25.81	-91.40	-42.00	-1,892.00	900.27	848.55	51.72	17.407	
10,300.00	10,236.41	10,261.50	10,247.41	29.97	26.02	-91.40	-42.00	-1,892.00	900.27	848.11	52.16	17.259	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,336.41	10,361.50	10,347.41	30.17	26.24	-91.40	-42.00	-1,892.00	900.27	847.66	52.61	17.112	
10,500.00	10,436.41	10,461.50	10,447.41	30.37	26.47	-91.40	-42.00	-1,892.00	900.27	847.20	53.07	16.965	
10,600.00	10,536.41	10,561.50	10,547.41	30.58	26.69	-91.40	-42.00	-1,892.00	900.27	846.74	53.53	16.819	
10,700.00	10,636.41	10,661.50	10,647.41	30.79	26.92	-91.40	-42.00	-1,892.00	900.27	846.28	53.99	16.674	
10,800.00	10,736.41	10,761.50	10,747.41	31.01	27.15	-91.40	-42.00	-1,892.00	900.27	845.80	54.46	16.529	
10,900.00	10,836.41	10,861.50	10,847.41	31.22	27.39	-91.40	-42.00	-1,892.00	900.27	845.33	54.94	16.386	
11,000.00	10,936.41	10,961.50	10,947.41	31.44	27.62	-91.40	-42.00	-1,892.00	900.27	844.84	55.42	16.243	
11,100.00	11,036.41	11,061.50	11,047.41	31.67	27.86	-91.40	-42.00	-1,892.00	900.27	844.36	55.91	16.102	
11,200.00	11,136.41	11,161.50	11,147.41	31.89	28.10	-91.40	-42.00	-1,892.00	900.27	843.87	56.40	15.961	
11,300.00	11,236.41	11,261.50	11,247.41	32.12	28.35	-91.40	-42.00	-1,892.00	900.27	843.37	56.90	15.822	
11,400.00	11,336.41	11,361.50	11,347.41	32.35	28.59	-91.40	-42.00	-1,892.00	900.27	842.87	57.40	15.684	
11,500.00	11,436.41	11,461.50	11,447.41	32.58	28.84	-91.40	-42.00	-1,892.00	900.27	842.36	57.91	15.547	
11,600.00	11,536.41	11,561.50	11,547.41	32.81	29.10	-91.40	-42.00	-1,892.00	900.27	841.85	58.42	15.411	
11,700.00	11,636.41	11,661.50	11,647.41	33.05	29.35	-91.40	-42.00	-1,892.00	900.27	841.34	58.93	15.276	
11,800.00	11,736.41	11,761.50	11,747.41	33.28	29.60	-91.40	-42.00	-1,892.00	900.27	840.82	59.45	15.143	
11,900.00	11,836.41	11,861.50	11,847.41	33.53	29.86	-91.40	-42.00	-1,892.00	900.27	840.29	59.98	15.011	
12,000.00	11,936.41	11,961.50	11,947.41	33.77	30.12	-91.40	-42.00	-1,892.00	900.27	839.77	60.50	14.880	
12,100.00	12,036.41	12,061.97	12,047.87	34.01	30.38	-91.39	-41.81	-1,892.00	900.27	839.23	61.03	14.751	
12,198.59	12,135.00	12,162.20	12,147.33	34.25	30.62	-90.67	-30.48	-1,892.05	900.11	838.58	61.54	14.627	
12,200.00	12,136.41	12,163.60	12,148.70	34.26	30.63	-90.40	-30.20	-1,892.05	900.11	838.57	61.54	14.626	
12,232.14	12,168.53	12,195.27	12,179.53	34.34	30.69	-90.00	-22.95	-1,892.08	900.09	838.39	61.70	14.588	CC
12,250.00	12,186.34	12,212.72	12,196.33	34.38	30.73	-89.78	-18.23	-1,892.10	900.09	838.31	61.79	14.568	
12,300.00	12,235.88	12,261.03	12,242.00	34.51	30.82	-89.16	-2.52	-1,892.17	900.19	838.17	62.02	14.515	
12,350.00	12,284.65	12,308.58	12,285.50	34.63	30.91	-88.56	16.64	-1,892.26	900.38	838.14	62.24	14.466	
12,400.00	12,332.29	12,355.42	12,326.65	34.75	30.99	-87.97	38.97	-1,892.35	900.67	838.22	62.46	14.421	
12,450.00	12,378.42	12,401.59	12,365.31	34.87	31.06	-87.40	64.21	-1,892.46	901.05	838.38	62.66	14.379	
12,500.00	12,422.70	12,447.16	12,401.34	34.98	31.13	-86.85	92.09	-1,892.59	901.49	838.63	62.86	14.341	
12,550.00	12,464.79	12,492.18	12,434.65	35.09	31.20	-86.32	122.35	-1,892.72	902.00	838.94	63.06	14.304	
12,600.00	12,504.37	12,536.68	12,465.14	35.20	31.26	-85.82	154.75	-1,892.86	902.55	839.29	63.26	14.268	
12,650.00	12,541.14	12,580.72	12,492.76	35.30	31.33	-85.35	189.04	-1,893.01	903.12	839.67	63.46	14.232	
12,700.00	12,574.82	12,624.35	12,517.43	35.41	31.40	-84.91	225.01	-1,893.17	903.71	840.05	63.67	14.194	
12,750.00	12,605.15	12,667.60	12,539.13	35.52	31.48	-84.51	262.41	-1,893.33	904.30	840.41	63.89	14.155	
12,800.00	12,631.90	12,710.52	12,557.81	35.63	31.56	-84.14	301.05	-1,893.50	904.87	840.75	64.12	14.112	
12,850.00	12,654.87	12,753.16	12,573.45	35.75	31.64	-83.82	340.70	-1,893.67	905.40	841.03	64.37	14.065	
12,900.00	12,673.88	12,795.54	12,586.03	35.87	31.73	-83.53	381.16	-1,893.85	905.90	841.25	64.65	14.013	
12,950.00	12,688.80	12,837.72	12,595.55	36.01	35.91	-83.29	422.24	-1,894.03	906.33	841.42	64.91	13.962	
12,998.59	12,699.25	12,883.02	12,603.43	36.15	37.10	-83.14	466.85	-1,894.22	906.57	841.41	65.17	13.912	
13,000.00	12,699.50	12,884.26	12,603.63	36.15	37.11	-83.14	468.07	-1,894.23	906.57	841.40	65.17	13.910	
13,023.59	12,703.59	12,905.00	12,606.75	41.04	37.12	-83.11	488.57	-1,894.33	906.65	841.36	65.29	13.887	
13,050.00	12,707.82	12,928.19	12,609.71	41.08	37.13	-83.05	511.57	-1,894.46	906.78	841.36	65.42	13.862	
13,100.00	12,713.84	12,972.06	12,613.77	41.16	37.15	-82.95	555.25	-1,894.74	906.98	841.30	65.69	13.808	
13,150.00	12,717.26	13,015.88	12,615.83	41.25	37.17	-82.88	599.02	-1,895.07	907.14	841.15	66.00	13.745	
13,190.34	12,718.11	13,052.97	12,616.11	41.33	37.19	-82.84	636.10	-1,895.39	907.22	840.94	66.28	13.689	
13,200.00	12,718.11	13,062.63	12,616.11	41.35	37.19	-82.84	645.77	-1,895.47	907.22	840.87	66.35	13.674	
13,300.00	12,718.10	13,162.63	12,616.10	41.56	37.24	-82.84	745.76	-1,896.35	907.22	840.06	67.16	13.508	
13,400.00	12,718.10	13,262.63	12,616.10	41.82	37.29	-82.84	845.76	-1,897.22	907.21	839.10	68.12	13.319	
13,500.00	12,718.10	13,362.63	12,616.10	42.11	37.35	-82.84	945.76	-1,898.09	907.21	837.99	69.22	13.107	
13,600.00	12,718.10	13,462.63	12,616.10	42.44	37.40	-82.84	1,045.75	-1,898.97	907.21	836.75	70.46	12.876	
13,700.00	12,718.09	13,562.63	12,616.09	42.83	37.45	-82.84	1,145.75	-1,899.84	907.20	835.38	71.82	12.631	
13,800.00	12,718.09	13,662.63	12,616.09	43.28	37.51	-82.84	1,245.74	-1,900.72	907.20	833.88	73.32	12.374	
13,900.00	12,718.09	13,762.63	12,616.09	43.79	37.57	-82.84	1,345.74	-1,901.59	907.20	832.27	74.92	12.108	
14,000.00	12,718.09	13,862.63	12,616.09	44.37	37.63	-82.84	1,445.74	-1,902.46	907.19	830.55	76.64	11.837	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 12835-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,718.08	13,962.63	12,616.08	45.02	37.76	-82.84	1,545.73	-1,903.34	907.19	828.73	78.46	11.563	
14,200.00	12,718.08	14,062.63	12,616.08	45.74	38.66	-82.84	1,645.73	-1,904.21	907.19	826.82	80.37	11.288	
14,300.00	12,718.08	14,162.63	12,616.08	46.52	39.62	-82.84	1,745.73	-1,905.09	907.19	824.82	82.37	11.014	
14,400.00	12,718.08	14,262.63	12,616.08	47.37	40.64	-82.84	1,845.72	-1,905.96	907.18	822.73	84.45	10.742	
14,500.00	12,718.07	14,362.63	12,616.07	48.28	41.69	-82.84	1,945.72	-1,906.83	907.18	820.57	86.61	10.474	
14,600.00	12,718.07	14,462.63	12,616.07	49.25	42.78	-82.84	2,045.71	-1,907.71	907.18	818.34	88.84	10.212	
14,700.00	12,718.07	14,562.63	12,616.07	50.26	43.91	-82.84	2,145.71	-1,908.58	907.17	816.04	91.13	9.955	
14,800.00	12,718.07	14,662.63	12,616.07	51.32	45.07	-82.84	2,245.71	-1,909.46	907.17	813.69	93.48	9.704	
14,900.00	12,718.06	14,762.63	12,616.06	52.42	46.26	-82.84	2,345.70	-1,910.33	907.17	811.27	95.89	9.460	
15,000.00	12,718.06	14,862.63	12,616.06	53.56	47.48	-82.84	2,445.70	-1,911.21	907.16	808.81	98.35	9.224	
15,100.00	12,718.06	14,962.63	12,616.06	54.74	48.73	-82.84	2,545.70	-1,912.08	907.16	806.30	100.86	8.994	
15,200.00	12,718.06	15,062.63	12,616.06	55.94	50.00	-82.84	2,645.69	-1,912.95	907.16	803.74	103.42	8.772	
15,300.00	12,718.05	15,162.63	12,616.05	57.17	51.29	-82.84	2,745.69	-1,913.83	907.15	801.14	106.01	8.557	
15,400.00	12,718.05	15,262.63	12,616.05	58.43	52.60	-82.84	2,845.68	-1,914.70	907.15	798.51	108.64	8.350	
15,500.00	12,718.05	15,362.63	12,616.05	59.71	53.93	-82.84	2,945.68	-1,915.58	907.15	795.84	111.31	8.150	
15,600.00	12,718.05	15,462.63	12,616.05	61.02	55.28	-82.84	3,045.68	-1,916.45	907.14	793.13	114.01	7.957	
15,700.00	12,718.04	15,562.63	12,616.04	62.34	56.65	-82.84	3,145.67	-1,917.32	907.14	790.40	116.74	7.770	
15,800.00	12,718.04	15,662.63	12,616.04	63.68	58.03	-82.84	3,245.67	-1,918.20	907.14	787.63	119.51	7.591	
15,900.00	12,718.04	15,762.63	12,616.04	65.04	59.43	-82.84	3,345.66	-1,919.07	907.13	784.84	122.29	7.418	
16,000.00	12,718.04	15,862.63	12,616.04	66.41	60.83	-82.84	3,445.66	-1,919.95	907.13	782.03	125.11	7.251	
16,100.00	12,718.03	15,962.63	12,616.03	67.80	62.26	-82.84	3,545.66	-1,920.82	907.13	779.19	127.94	7.090	
16,200.00	12,718.03	16,062.63	12,616.03	69.20	63.69	-82.84	3,645.65	-1,921.69	907.12	776.33	130.80	6.935	
16,300.00	12,718.03	16,162.63	12,616.03	70.61	65.13	-82.84	3,745.65	-1,922.57	907.12	773.45	133.68	6.786	
16,400.00	12,718.03	16,262.63	12,616.03	72.04	66.58	-82.84	3,845.65	-1,923.44	907.12	770.55	136.57	6.642	
16,500.00	12,718.02	16,362.63	12,616.02	73.47	68.05	-82.84	3,945.64	-1,924.32	907.12	767.63	139.49	6.503	
16,600.00	12,718.02	16,462.63	12,616.02	74.92	69.52	-82.84	4,045.64	-1,925.19	907.11	764.69	142.42	6.369	
16,700.00	12,718.02	16,562.63	12,616.02	76.37	71.00	-82.84	4,145.63	-1,926.06	907.11	761.74	145.37	6.240	
16,800.00	12,718.02	16,662.63	12,616.02	77.83	72.49	-82.84	4,245.63	-1,926.94	907.11	758.78	148.33	6.116	
16,900.00	12,718.01	16,762.63	12,616.01	79.31	73.98	-82.84	4,345.63	-1,927.81	907.10	755.80	151.30	5.995	
17,000.00	12,718.01	16,862.63	12,616.01	80.79	75.48	-82.84	4,445.62	-1,928.69	907.10	752.81	154.29	5.879	
17,100.00	12,718.01	16,962.63	12,616.01	82.27	76.99	-82.84	4,545.62	-1,929.56	907.10	749.80	157.29	5.767	
17,200.00	12,718.01	17,062.63	12,616.01	83.77	78.51	-82.84	4,645.62	-1,930.44	907.09	746.79	160.31	5.658	
17,300.00	12,718.01	17,162.63	12,616.01	85.27	80.03	-82.84	4,745.61	-1,931.31	907.09	743.76	163.33	5.554	
17,400.00	12,718.00	17,262.63	12,616.00	86.77	81.55	-82.84	4,845.61	-1,932.18	907.09	740.72	166.37	5.452	
17,491.53	12,718.00	17,354.16	12,616.00	88.16	82.95	-82.84	4,937.13	-1,932.98	907.08	737.93	169.15	5.363	ES, SF

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	11.00	11.00	0.00	0.01	-80.64	290.00	-1,941.00	1,967.20				
100.00	100.00	111.00	111.00	0.13	0.17	-80.64	290.00	-1,941.00	1,967.20	1,966.91	0.30	6,651.807	
200.00	200.00	211.00	211.00	0.49	0.53	-80.64	290.00	-1,941.00	1,967.20	1,966.19	1.01	1,942.565	
300.00	300.00	311.00	311.00	0.84	0.89	-80.64	290.00	-1,941.00	1,967.20	1,965.47	1.73	1,137.357	
400.00	400.00	411.00	411.00	1.20	1.24	-80.64	290.00	-1,941.00	1,967.20	1,964.75	2.45	804.065	
500.00	500.00	511.00	511.00	1.56	1.60	-80.64	290.00	-1,941.00	1,967.20	1,964.04	3.16	621.841	
600.00	600.00	611.00	611.00	1.92	1.96	-80.64	290.00	-1,941.00	1,967.20	1,963.32	3.88	506.951	
700.00	699.99	710.99	710.99	2.27	2.32	8.79	290.00	-1,941.00	1,965.91	1,961.32	4.59	428.379	
800.00	799.91	810.91	810.91	2.62	2.68	8.82	290.00	-1,941.00	1,962.03	1,956.73	5.29	370.609	
900.00	899.69	910.69	910.69	2.97	3.04	8.86	290.00	-1,941.00	1,955.57	1,949.56	6.00	325.796	
1,000.00	999.27	1,000.00	1,000.00	3.33	3.36	8.92	290.00	-1,941.00	1,946.55	1,939.88	6.68	291.582	
1,100.00	1,098.57	1,076.32	1,076.31	3.70	3.62	8.98	289.72	-1,941.71	1,935.85	1,928.56	7.30	265.356	
1,200.00	1,197.72	1,145.64	1,145.61	4.09	3.86	8.99	289.00	-1,943.59	1,925.44	1,917.55	7.89	244.150	
1,300.00	1,296.86	1,215.18	1,215.07	4.48	4.09	8.98	287.81	-1,946.65	1,916.58	1,908.11	8.48	226.100	
1,400.00	1,396.01	1,284.88	1,284.62	4.87	4.33	8.95	286.16	-1,950.90	1,909.29	1,900.22	9.07	210.476	
1,500.00	1,495.15	1,354.71	1,354.20	5.27	4.58	8.91	284.05	-1,956.34	1,903.56	1,893.89	9.67	196.871	
1,600.00	1,594.30	1,424.60	1,423.73	5.66	4.83	8.84	281.48	-1,962.98	1,899.41	1,889.14	10.27	184.974	
1,700.00	1,693.44	1,506.46	1,505.01	6.07	5.12	8.74	277.95	-1,972.07	1,896.72	1,885.80	10.92	173.759	
1,800.00	1,792.58	1,606.35	1,604.15	6.47	5.49	8.61	273.55	-1,983.42	1,894.32	1,882.68	11.64	162.805	
1,900.00	1,891.73	1,706.23	1,703.28	6.87	5.86	8.48	269.15	-1,994.77	1,891.93	1,879.57	12.36	153.076	
2,000.00	1,990.87	1,806.11	1,802.42	7.28	6.24	8.36	264.75	-2,006.12	1,889.55	1,876.46	13.09	144.390	
2,100.00	2,090.02	1,906.00	1,901.56	7.69	6.62	8.23	260.35	-2,017.46	1,887.18	1,873.36	13.82	136.594	
2,200.00	2,189.16	2,005.88	2,000.70	8.10	7.01	8.10	255.95	-2,028.81	1,884.82	1,870.27	14.55	129.561	
2,300.00	2,288.31	2,105.76	2,099.84	8.51	7.40	7.97	251.55	-2,040.16	1,882.47	1,867.19	15.28	123.187	
2,400.00	2,387.45	2,205.64	2,198.97	8.91	7.78	7.84	247.15	-2,051.51	1,880.12	1,864.11	16.02	117.388	
2,500.00	2,486.60	2,305.53	2,298.11	9.32	8.18	7.71	242.74	-2,062.86	1,877.79	1,861.04	16.75	112.089	
2,600.00	2,585.74	2,405.41	2,397.25	9.74	8.57	7.58	238.34	-2,074.21	1,875.47	1,857.98	17.49	107.231	
2,700.00	2,684.89	2,505.29	2,496.39	10.15	8.96	7.45	233.94	-2,085.56	1,873.16	1,854.93	18.23	102.761	
2,800.00	2,784.03	2,605.17	2,595.53	10.56	9.36	7.32	229.54	-2,096.91	1,870.85	1,851.88	18.97	98.635	
2,900.00	2,883.17	2,705.06	2,694.67	10.97	9.76	7.19	225.14	-2,108.26	1,868.56	1,848.85	19.71	94.816	
3,000.00	2,982.32	2,804.94	2,793.80	11.38	10.16	7.06	220.74	-2,119.61	1,866.27	1,845.83	20.45	91.272	
3,100.00	3,081.46	2,904.82	2,892.94	11.79	10.55	6.93	216.34	-2,130.96	1,864.00	1,842.81	21.19	87.974	
3,200.00	3,180.61	3,004.70	2,992.08	12.21	10.95	6.80	211.94	-2,142.31	1,861.74	1,839.81	21.93	84.897	
3,300.00	3,279.75	3,104.59	3,091.22	12.62	11.35	6.67	207.54	-2,153.65	1,859.48	1,836.81	22.67	82.021	
3,400.00	3,378.90	3,204.47	3,190.36	13.03	11.76	6.53	203.14	-2,165.00	1,857.24	1,833.82	23.41	79.326	
3,500.00	3,478.04	3,304.35	3,289.50	13.45	12.16	6.40	198.73	-2,176.35	1,855.00	1,830.85	24.15	76.797	
3,600.00	3,577.19	3,404.24	3,388.63	13.86	12.56	6.27	194.33	-2,187.70	1,852.78	1,827.88	24.90	74.418	
3,700.00	3,676.33	3,504.12	3,487.77	14.27	12.96	6.14	189.93	-2,199.05	1,850.56	1,824.92	25.64	72.177	
3,800.00	3,775.47	3,604.00	3,586.91	14.69	13.36	6.00	185.53	-2,210.40	1,848.36	1,821.97	26.38	70.062	
3,900.00	3,874.62	3,703.88	3,686.05	15.10	13.77	5.87	181.13	-2,221.75	1,846.16	1,819.04	27.12	68.063	
4,000.00	3,973.76	3,803.77	3,785.19	15.51	14.17	5.73	176.73	-2,233.10	1,843.98	1,816.11	27.87	66.171	
4,100.00	4,072.91	3,903.65	3,884.32	15.93	14.58	5.60	172.33	-2,244.45	1,841.80	1,813.19	28.61	64.377	
4,200.00	4,172.05	4,003.53	3,983.46	16.34	14.98	5.47	167.93	-2,255.80	1,839.64	1,810.29	29.35	62.675	
4,300.00	4,271.20	4,103.41	4,082.60	16.76	15.38	5.33	163.53	-2,267.15	1,837.48	1,807.39	30.09	61.056	
4,400.00	4,370.34	4,203.30	4,181.74	17.17	15.79	5.20	159.13	-2,278.50	1,835.34	1,804.50	30.84	59.516	
4,500.00	4,469.49	4,303.18	4,280.88	17.59	16.19	5.06	154.73	-2,289.85	1,833.21	1,801.63	31.58	58.049	
4,600.00	4,568.63	4,403.06	4,380.02	18.00	16.60	4.92	150.32	-2,301.19	1,831.08	1,798.76	32.32	56.649	
4,700.00	4,667.77	4,502.95	4,479.15	18.41	17.00	4.79	145.92	-2,312.54	1,828.97	1,795.90	33.07	55.313	
4,800.00	4,766.92	4,602.83	4,578.29	18.83	17.41	4.65	141.52	-2,323.89	1,826.87	1,793.06	33.81	54.036	
4,900.00	4,866.06	4,702.71	4,677.43	19.24	17.82	4.51	137.12	-2,335.24	1,824.77	1,790.22	34.55	52.814	
5,000.00	4,965.21	4,802.59	4,776.57	19.66	18.22	4.38	132.72	-2,346.59	1,822.69	1,787.40	35.29	51.644	
5,100.00	5,064.35	4,902.48	4,875.71	20.07	18.63	4.24	128.32	-2,357.94	1,820.62	1,784.59	36.04	50.523	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,002.36	4,974.84	20.49	19.03	4.10	123.92	-2,369.29	1,818.56	1,781.78	36.78	49.447	
5,300.00	5,262.64	5,102.24	5,073.98	20.90	19.44	3.96	119.52	-2,380.64	1,816.51	1,778.99	37.52	48.414	
5,400.00	5,361.79	5,202.12	5,173.12	21.32	19.85	3.82	115.12	-2,391.99	1,814.47	1,776.21	38.26	47.422	
5,500.00	5,460.93	5,302.01	5,272.26	21.57	20.25	3.69	110.72	-2,403.34	1,812.44	1,773.62	38.82	46.687	
5,600.00	5,560.08	5,401.89	5,371.40	21.65	20.66	3.55	106.31	-2,414.69	1,810.42	1,771.22	39.20	46.184	
5,700.00	5,659.22	5,501.77	5,470.54	21.74	20.89	3.41	101.91	-2,426.04	1,808.42	1,769.02	39.40	45.900	
5,800.00	5,758.36	5,601.66	5,569.67	21.84	20.96	3.27	97.51	-2,437.39	1,806.42	1,766.98	39.44	45.807	
5,900.00	5,857.51	5,701.54	5,668.81	21.95	21.04	3.13	93.11	-2,448.73	1,804.43	1,764.95	39.49	45.699	
6,000.00	5,956.65	5,801.42	5,767.95	22.06	21.13	2.99	88.71	-2,460.08	1,802.46	1,762.91	39.55	45.575	
6,100.00	6,055.80	5,901.30	5,867.09	22.18	21.22	2.85	84.31	-2,471.43	1,800.49	1,760.87	39.63	45.436	
6,200.00	6,154.94	6,001.19	5,966.23	22.31	21.32	2.71	79.91	-2,482.78	1,798.54	1,758.82	39.72	45.282	
6,300.00	6,254.09	6,101.07	6,065.36	22.45	21.43	2.56	75.51	-2,494.13	1,796.60	1,756.78	39.82	45.114	
6,400.00	6,353.23	6,200.95	6,164.50	22.59	21.55	2.42	71.11	-2,505.48	1,794.67	1,754.73	39.94	44.932	
6,500.00	6,452.38	6,300.83	6,263.64	22.74	21.67	2.28	66.71	-2,516.83	1,792.75	1,752.67	40.07	44.737	
6,600.00	6,551.52	6,400.72	6,362.78	22.89	21.80	2.14	62.30	-2,528.18	1,790.84	1,750.62	40.22	44.528	
6,700.00	6,650.66	6,500.60	6,461.92	23.05	21.94	2.00	57.90	-2,539.53	1,788.94	1,748.56	40.38	44.307	
6,800.00	6,749.81	6,600.48	6,561.06	23.22	22.08	1.85	53.50	-2,550.88	1,787.05	1,746.51	40.55	44.074	
6,900.00	6,848.95	6,700.37	6,660.19	23.40	22.23	1.71	49.10	-2,562.23	1,785.18	1,744.45	40.73	43.830	
7,000.00	6,948.10	6,800.25	6,759.33	23.58	22.39	1.57	44.70	-2,573.58	1,783.31	1,742.38	40.93	43.575	
7,100.00	7,047.24	6,900.13	6,858.47	23.77	22.55	1.42	40.30	-2,584.92	1,781.46	1,740.32	41.13	43.309	
7,200.00	7,146.39	7,000.01	6,957.61	23.96	22.72	1.28	35.90	-2,596.27	1,779.61	1,738.26	41.35	43.034	
7,300.00	7,245.53	7,099.90	7,056.75	24.16	22.89	1.14	31.50	-2,607.62	1,777.78	1,736.20	41.59	42.750	
7,400.00	7,344.68	7,200.22	7,155.89	24.36	23.08	0.99	27.10	-2,618.97	1,775.96	1,734.13	41.83	42.457	
7,500.00	7,443.82	7,300.34	7,255.02	24.57	23.26	0.85	22.70	-2,630.32	1,774.15	1,732.07	42.09	42.156	
7,600.00	7,542.97	7,400.46	7,354.16	24.78	23.46	0.70	18.29	-2,641.67	1,772.36	1,730.00	42.35	41.848	
7,700.00	7,642.11	7,500.57	7,453.30	25.00	23.65	0.56	13.89	-2,653.02	1,770.57	1,727.94	42.63	41.533	
7,800.00	7,741.25	7,599.31	7,552.44	25.23	23.86	0.41	9.49	-2,664.37	1,768.80	1,725.88	42.92	41.214	
7,900.00	7,840.40	7,700.81	7,651.58	25.45	24.07	0.26	5.09	-2,675.72	1,767.03	1,723.81	43.22	40.885	
8,000.00	7,939.54	7,800.92	7,750.71	25.69	24.28	0.12	0.69	-2,687.07	1,765.28	1,721.75	43.53	40.553	
8,100.00	8,038.69	7,901.04	7,849.85	25.93	24.50	-0.03	-3.71	-2,698.42	1,763.54	1,719.69	43.85	40.218	
8,199.68	8,137.51	8,001.48	7,948.67	26.17	24.73	-0.18	-8.10	-2,709.73	1,761.82	1,717.64	44.18	39.878	
8,265.19	8,202.53	8,063.96	8,013.62	26.32	24.87	-0.27	-10.98	-2,717.16	1,761.26	1,716.86	44.40	39.670 CC	
8,300.00	8,237.14	8,101.27	8,048.14	26.40	24.96	-0.32	-12.51	-2,721.12	1,761.41	1,716.90	44.52	39.565	
8,400.00	8,336.72	8,198.61	8,147.27	26.62	25.18	-0.47	-16.91	-2,732.46	1,763.64	1,718.78	44.86	39.314	
8,500.00	8,436.50	8,301.62	8,246.30	26.82	25.43	-0.62	-21.31	-2,743.80	1,768.50	1,723.28	45.22	39.110	
8,600.00	8,536.42	8,402.00	8,345.18	27.00	25.67	-0.76	-25.70	-2,755.12	1,775.98	1,730.40	45.58	38.965	
8,699.68	8,636.09	8,503.39	8,449.79	27.16	25.92	-90.33	-30.33	-2,767.07	1,786.03	1,740.09	45.94	38.875	
8,800.00	8,736.41	8,681.29	8,626.86	27.31	26.33	-90.53	-36.44	-2,782.82	1,794.95	1,748.50	46.44	38.648	
8,900.00	8,836.41	8,859.81	8,805.16	27.46	26.68	-90.62	-39.57	-2,790.88	1,799.48	1,752.58	46.90	38.369	
9,000.00	8,936.41	9,002.07	8,947.41	27.62	26.92	-90.64	-40.00	-2,792.00	1,800.11	1,752.82	47.29	38.068	
9,100.00	9,036.41	9,102.07	9,047.41	27.78	27.08	-90.64	-40.00	-2,792.00	1,800.11	1,752.46	47.65	37.778	
9,200.00	9,136.41	9,202.07	9,147.41	27.94	27.25	-90.64	-40.00	-2,792.00	1,800.11	1,752.09	48.02	37.487	
9,300.00	9,236.41	9,302.07	9,247.41	28.11	27.42	-90.64	-40.00	-2,792.00	1,800.11	1,751.71	48.40	37.193	
9,400.00	9,336.41	9,402.07	9,347.41	28.28	27.59	-90.64	-40.00	-2,792.00	1,800.11	1,751.33	48.78	36.899	
9,500.00	9,436.41	9,502.07	9,447.41	28.45	27.76	-90.64	-40.00	-2,792.00	1,800.11	1,750.93	49.18	36.604	
9,600.00	9,536.41	9,602.07	9,547.41	28.63	27.94	-90.64	-40.00	-2,792.00	1,800.11	1,750.53	49.58	36.308	
9,700.00	9,636.41	9,702.07	9,647.41	28.81	28.12	-90.64	-40.00	-2,792.00	1,800.11	1,750.12	49.99	36.012	
9,800.00	9,736.41	9,802.07	9,747.41	29.00	28.30	-90.64	-40.00	-2,792.00	1,800.11	1,749.71	50.40	35.716	
9,900.00	9,836.41	9,902.07	9,847.41	29.18	28.49	-90.64	-40.00	-2,792.00	1,800.11	1,749.29	50.82	35.419	
10,000.00	9,936.41	10,002.07	9,947.41	29.37	28.68	-90.64	-40.00	-2,792.00	1,800.11	1,748.86	51.25	35.124	
10,100.00	10,036.41	10,102.07	10,047.41	29.57	28.88	-90.64	-40.00	-2,792.00	1,800.11	1,748.43	51.69	34.828	
10,200.00	10,136.41	10,202.07	10,147.41	29.77	29.08	-90.64	-40.00	-2,792.00	1,800.11	1,747.99	52.13	34.534	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — Offset Well Error: 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,236.41	10,302.07	10,247.41	29.97	29.28	-90.64	-40.00	-2,792.00	1,800.11	1,747.54	52.57	34.241	
10,400.00	10,336.41	10,402.07	10,347.41	30.17	29.48	-90.64	-40.00	-2,792.00	1,800.11	1,747.09	53.03	33.948	
10,500.00	10,436.41	10,502.07	10,447.41	30.37	29.69	-90.64	-40.00	-2,792.00	1,800.11	1,746.63	53.48	33.657	
10,600.00	10,536.41	10,602.07	10,547.41	30.58	29.90	-90.64	-40.00	-2,792.00	1,800.11	1,746.16	53.95	33.368	
10,700.00	10,636.41	10,702.07	10,647.41	30.79	30.11	-90.64	-40.00	-2,792.00	1,800.11	1,745.69	54.42	33.080	
10,800.00	10,736.41	10,802.07	10,747.41	31.01	30.32	-90.64	-40.00	-2,792.00	1,800.11	1,745.22	54.89	32.794	
10,900.00	10,836.41	10,902.07	10,847.41	31.22	30.54	-90.64	-40.00	-2,792.00	1,800.11	1,744.74	55.37	32.509	
11,000.00	10,936.41	11,002.07	10,947.41	31.44	30.76	-90.64	-40.00	-2,792.00	1,800.11	1,744.25	55.86	32.227	
11,100.00	11,036.41	11,102.07	11,047.41	31.67	30.99	-90.64	-40.00	-2,792.00	1,800.11	1,743.76	56.35	31.947	
11,200.00	11,136.41	11,202.07	11,147.41	31.89	31.21	-90.64	-40.00	-2,792.00	1,800.11	1,743.27	56.84	31.669	
11,300.00	11,236.41	11,302.07	11,247.41	32.12	31.44	-90.64	-40.00	-2,792.00	1,800.11	1,742.77	57.34	31.393	
11,400.00	11,336.41	11,402.07	11,347.41	32.35	31.67	-90.64	-40.00	-2,792.00	1,800.11	1,742.27	57.85	31.119	
11,500.00	11,436.41	11,502.07	11,447.41	32.58	31.90	-90.64	-40.00	-2,792.00	1,800.11	1,741.76	58.35	30.848	
11,600.00	11,536.41	11,602.07	11,547.41	32.81	32.14	-90.64	-40.00	-2,792.00	1,800.11	1,741.24	58.87	30.579	
11,700.00	11,636.41	11,702.07	11,647.41	33.05	32.37	-90.64	-40.00	-2,792.00	1,800.11	1,740.73	59.38	30.313	
11,800.00	11,736.41	11,802.07	11,747.41	33.28	32.61	-90.64	-40.00	-2,792.00	1,800.11	1,740.21	59.91	30.049	
11,900.00	11,836.41	11,902.07	11,847.41	33.53	32.86	-90.64	-40.00	-2,792.00	1,800.11	1,739.68	60.43	29.788	
12,000.00	11,936.41	12,002.07	11,947.41	33.77	33.10	-90.64	-40.00	-2,792.00	1,800.11	1,739.15	60.96	29.529	
12,100.00	12,036.41	12,102.07	12,047.41	34.01	33.35	-90.64	-40.00	-2,792.00	1,800.11	1,738.62	61.49	29.273	
12,198.59	12,135.00	12,200.66	12,146.00	34.25	33.59	-90.64	-40.00	-2,792.00	1,800.11	1,738.09	62.02	29.023	
12,200.00	12,136.41	12,202.07	12,147.41	34.26	33.59	-90.39	-40.00	-2,792.00	1,800.11	1,738.08	62.03	29.020	
12,250.00	12,186.34	12,252.75	12,198.06	34.38	33.72	-90.43	-38.93	-2,792.01	1,800.12	1,737.82	62.30	28.896	
12,300.00	12,235.88	12,303.85	12,248.86	34.51	33.83	-90.47	-33.53	-2,792.03	1,800.14	1,737.58	62.55	28.777	
12,350.00	12,284.65	12,355.07	12,299.09	34.63	33.94	-90.51	-23.60	-2,792.09	1,800.16	1,737.35	62.80	28.664	
12,400.00	12,332.29	12,406.41	12,348.35	34.75	34.04	-90.54	-9.19	-2,792.16	1,800.18	1,737.14	63.04	28.558	
12,450.00	12,378.42	12,457.85	12,395.21	34.87	34.12	-90.58	9.61	-2,792.26	1,800.20	1,736.94	63.26	28.456	
12,500.00	12,422.70	12,509.38	12,442.28	34.98	34.19	-90.60	32.67	-2,792.38	1,800.23	1,736.75	63.48	28.359	
12,550.00	12,464.79	12,561.00	12,486.15	35.09	34.25	-90.63	59.83	-2,792.52	1,800.27	1,736.57	63.69	28.264	
12,600.00	12,504.37	12,612.68	12,527.46	35.20	34.31	-90.64	90.86	-2,792.69	1,800.30	1,736.39	63.91	28.171	
12,650.00	12,541.14	12,664.42	12,565.84	35.30	34.35	-90.66	125.52	-2,792.87	1,800.33	1,736.22	64.12	28.079	
12,700.00	12,574.82	12,716.19	12,600.97	35.41	34.38	-90.66	163.54	-2,793.07	1,800.37	1,736.03	64.33	27.984	
12,750.00	12,605.15	12,767.98	12,632.53	35.52	34.40	-90.66	204.59	-2,793.28	1,800.41	1,735.85	64.56	27.887	
12,800.00	12,631.90	12,819.80	12,660.26	35.63	34.42	-90.66	248.33	-2,793.51	1,800.44	1,735.65	64.80	27.786	
12,850.00	12,654.87	12,871.61	12,683.93	35.75	34.44	-90.65	294.39	-2,793.75	1,800.48	1,735.43	65.05	27.679	
12,900.00	12,673.88	12,923.39	12,703.34	35.87	34.46	-90.64	342.38	-2,794.00	1,800.52	1,735.20	65.32	27.565	
12,950.00	12,688.80	12,975.14	12,718.32	36.01	34.48	-90.62	391.89	-2,794.26	1,800.55	1,734.95	65.60	27.445	
12,998.59	12,699.25	13,025.13	12,728.55	36.15	39.98	-90.60	440.81	-2,794.52	1,800.59	1,734.71	65.88	27.330	
13,000.00	12,699.50	13,026.53	12,728.79	36.15	39.98	-90.60	442.19	-2,794.52	1,800.59	1,734.70	65.89	27.327	
13,023.59	12,703.59	13,050.00	12,732.84	41.04	40.00	-90.60	465.30	-2,794.65	1,800.61	1,734.61	66.01	27.280	
13,050.00	12,707.82	13,075.95	12,736.80	41.08	40.02	-90.58	490.95	-2,794.79	1,800.63	1,734.50	66.13	27.228	
13,100.00	12,713.84	13,125.06	12,742.39	41.16	40.06	-90.56	539.74	-2,795.11	1,800.66	1,734.27	66.40	27.119	
13,150.00	12,717.26	13,174.17	12,745.46	41.25	40.11	-90.55	588.74	-2,795.47	1,800.68	1,733.98	66.70	26.995	
13,190.34	12,718.11	13,213.85	12,746.10	41.33	40.15	-90.54	628.41	-2,795.80	1,800.68	1,733.70	66.98	26.884	
13,200.00	12,718.11	13,223.51	12,746.10	41.35	40.16	-90.54	638.08	-2,795.88	1,800.68	1,733.63	67.05	26.855	
13,300.00	12,718.10	13,323.51	12,746.10	41.56	40.27	-90.54	738.08	-2,796.75	1,800.67	1,732.81	67.86	26.534	
13,400.00	12,718.10	13,423.51	12,746.10	41.82	40.40	-90.54	838.07	-2,797.61	1,800.65	1,731.84	68.82	26.165	
13,500.00	12,718.10	13,523.51	12,746.10	42.11	40.56	-90.54	938.07	-2,798.48	1,800.64	1,730.72	69.92	25.753	
13,600.00	12,718.10	13,623.51	12,746.09	42.44	40.75	-90.54	1,038.06	-2,799.34	1,800.63	1,729.47	71.16	25.304	
13,700.00	12,718.09	13,723.51	12,746.09	42.83	40.97	-90.54	1,138.06	-2,800.20	1,800.61	1,728.09	72.53	24.826	
13,800.00	12,718.09	13,823.51	12,746.09	43.28	41.24	-90.54	1,238.06	-2,801.07	1,800.60	1,726.58	74.02	24.325	
13,900.00	12,718.09	13,923.51	12,746.09	43.79	41.56	-90.54	1,338.05	-2,801.93	1,800.59	1,724.96	75.63	23.807	
14,000.00	12,718.09	14,023.51	12,746.09	44.37	41.93	-90.54	1,438.05	-2,802.80	1,800.58	1,723.23	77.35	23.278	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5500-MWD - OWSG, 13016-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,718.08	14,123.51	12,746.08	45.02	42.38	-90.54	1,538.05	-2,803.66	1,800.56	1,721.39	79.17	22.743	
14,200.00	12,718.08	14,223.51	12,746.08	45.74	42.90	-90.54	1,638.04	-2,804.52	1,800.55	1,719.46	81.09	22.206	
14,300.00	12,718.08	14,323.51	12,746.08	46.52	43.51	-90.54	1,738.04	-2,805.39	1,800.54	1,717.45	83.09	21.670	
14,400.00	12,718.08	14,423.51	12,746.08	47.37	44.20	-90.54	1,838.03	-2,806.25	1,800.52	1,715.35	85.18	21.139	
14,500.00	12,718.07	14,523.51	12,746.07	48.28	44.97	-90.54	1,938.03	-2,807.12	1,800.51	1,713.17	87.34	20.615	
14,600.00	12,718.07	14,623.51	12,746.07	49.25	45.81	-90.54	2,038.03	-2,807.98	1,800.50	1,710.92	89.57	20.101	
14,700.00	12,718.07	14,723.51	12,746.07	50.26	46.72	-90.54	2,138.02	-2,808.85	1,800.48	1,708.61	91.87	19.598	
14,800.00	12,718.07	14,823.51	12,746.07	51.32	47.70	-90.54	2,238.02	-2,809.71	1,800.47	1,706.24	94.23	19.107	
14,900.00	12,718.06	14,923.51	12,746.06	52.42	48.73	-90.54	2,338.02	-2,810.57	1,800.46	1,703.81	96.65	18.629	
15,000.00	12,718.06	15,023.51	12,746.06	53.56	49.80	-90.54	2,438.01	-2,811.44	1,800.44	1,701.33	99.12	18.165	
15,100.00	12,718.06	15,123.51	12,746.06	54.74	50.92	-90.54	2,538.01	-2,812.30	1,800.43	1,698.80	101.63	17.715	
15,200.00	12,718.06	15,223.51	12,746.06	55.94	52.08	-90.54	2,638.00	-2,813.17	1,800.42	1,696.22	104.20	17.279	
15,300.00	12,718.05	15,323.51	12,746.05	57.17	53.27	-90.54	2,738.00	-2,814.03	1,800.40	1,693.60	106.80	16.857	
15,400.00	12,718.05	15,423.51	12,746.05	58.43	54.50	-90.54	2,838.00	-2,814.90	1,800.39	1,690.95	109.44	16.450	
15,500.00	12,718.05	15,523.51	12,746.05	59.71	55.74	-90.54	2,937.99	-2,815.76	1,800.38	1,688.25	112.12	16.057	
15,600.00	12,718.05	15,623.51	12,746.05	61.02	57.02	-90.54	3,037.99	-2,816.62	1,800.37	1,685.53	114.84	15.678	
15,700.00	12,718.04	15,723.51	12,746.04	62.34	58.32	-90.54	3,137.99	-2,817.49	1,800.35	1,682.77	117.58	15.312	
15,800.00	12,718.04	15,823.51	12,746.04	63.68	59.63	-90.54	3,237.98	-2,818.35	1,800.34	1,679.99	120.35	14.959	
15,900.00	12,718.04	15,923.51	12,746.04	65.04	60.97	-90.54	3,337.98	-2,819.22	1,800.33	1,677.17	123.15	14.619	
16,000.00	12,718.04	16,023.51	12,746.04	66.41	62.33	-90.54	3,437.97	-2,820.08	1,800.31	1,674.34	125.98	14.291	
16,100.00	12,718.03	16,123.51	12,746.03	67.80	63.70	-90.54	3,537.97	-2,820.94	1,800.30	1,671.47	128.83	13.975	
16,200.00	12,718.03	16,223.51	12,746.03	69.20	65.08	-90.54	3,637.97	-2,821.81	1,800.29	1,668.59	131.70	13.670	
16,300.00	12,718.03	16,323.51	12,746.03	70.61	66.48	-90.54	3,737.96	-2,822.67	1,800.27	1,665.69	134.59	13.376	
16,400.00	12,718.03	16,423.51	12,746.03	72.04	67.89	-90.54	3,837.96	-2,823.54	1,800.26	1,662.76	137.50	13.093	
16,500.00	12,718.02	16,523.51	12,746.02	73.47	69.32	-90.54	3,937.96	-2,824.40	1,800.25	1,659.82	140.43	12.820	
16,600.00	12,718.02	16,623.51	12,746.02	74.92	70.75	-90.54	4,037.95	-2,825.27	1,800.23	1,656.86	143.37	12.556	
16,700.00	12,718.02	16,723.51	12,746.02	76.37	72.20	-90.54	4,137.95	-2,826.13	1,800.22	1,653.89	146.33	12.302	
16,800.00	12,718.02	16,823.51	12,746.02	77.83	73.65	-90.54	4,237.94	-2,826.99	1,800.21	1,650.90	149.31	12.057	
16,900.00	12,718.01	16,923.51	12,746.01	79.31	75.11	-90.54	4,337.94	-2,827.86	1,800.19	1,647.89	152.30	11.820	
17,000.00	12,718.01	17,023.51	12,746.01	80.79	76.59	-90.54	4,437.94	-2,828.72	1,800.18	1,644.88	155.30	11.591	
17,100.00	12,718.01	17,123.51	12,746.01	82.27	78.07	-90.54	4,537.93	-2,829.59	1,800.17	1,641.85	158.32	11.370	
17,200.00	12,718.01	17,223.51	12,746.01	83.77	79.55	-90.54	4,637.93	-2,830.45	1,800.16	1,638.80	161.35	11.157	
17,300.00	12,718.01	17,323.51	12,746.01	85.27	81.05	-90.54	4,737.93	-2,831.31	1,800.14	1,635.75	164.39	10.950	
17,400.00	12,718.00	17,423.51	12,746.00	86.77	82.55	-90.54	4,837.92	-2,832.18	1,800.13	1,632.69	167.44	10.751	
17,491.53	12,718.00	17,515.04	12,746.00	88.16	83.93	-90.54	4,929.45	-2,832.97	1,800.12	1,629.88	170.24	10.574	ES, SF

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00				
100.00	100.00	100.00	100.00	0.13	0.13	0.00	0.00	0.00	30.00	29.75	0.25	117.871	
200.00	200.00	200.00	200.00	0.49	0.49	0.00	0.00	0.00	30.00	29.03	0.97	30.881	
300.00	300.00	300.00	300.00	0.84	0.84	0.00	0.00	0.00	30.00	28.31	1.69	17.768	
400.00	400.00	400.00	400.00	1.20	1.20	0.00	0.00	0.00	30.00	27.59	2.41	12.472	
500.00	500.00	500.00	500.00	1.56	1.56	0.00	0.00	0.00	30.00	26.88	3.12	9.608	
600.00	600.00	600.00	600.00	1.92	1.92	0.00	0.00	0.00	30.00	26.16	3.84	7.814	
648.06	648.06	648.06	648.06	2.09	2.09	90.00	0.00	0.00	30.00	25.82	4.18	7.177 CC	
700.00	699.99	700.01	699.99	2.27	2.28	91.92	0.00	0.00	30.02	25.47	4.55	6.599	
800.00	799.91	800.09	799.91	2.62	2.64	99.32	0.00	0.00	30.40	25.15	5.25	5.787 ES	
900.00	899.69	900.31	899.69	2.97	3.00	110.87	0.00	0.00	32.12	26.15	5.97	5.384	
1,000.00	999.27	1,000.73	999.27	3.33	3.36	124.36	0.00	0.00	36.40	29.72	6.68	5.447	
1,100.00	1,098.57	1,101.43	1,098.57	3.70	3.72	136.94	0.00	0.00	44.14	36.73	7.40	5.961	
1,200.00	1,197.72	1,202.28	1,197.72	4.09	4.08	146.33	0.00	0.00	54.44	46.32	8.12	6.701	
1,300.00	1,296.86	1,303.14	1,296.86	4.48	4.44	152.64	0.00	0.00	65.73	56.88	8.84	7.433	
1,400.00	1,396.01	1,403.99	1,396.01	4.87	4.80	157.07	0.00	0.00	77.57	68.01	9.56	8.114	
1,500.00	1,495.15	1,504.85	1,495.15	5.27	5.16	160.32	0.00	0.00	89.75	79.47	10.28	8.731	
1,600.00	1,594.30	1,605.70	1,594.30	5.66	5.52	162.78	0.00	0.00	102.14	91.14	11.00	9.286	
1,700.00	1,693.44	1,706.56	1,693.44	6.07	5.89	164.71	0.00	0.00	114.68	102.96	11.72	9.784	
1,800.00	1,792.58	1,807.42	1,792.58	6.47	6.25	166.26	0.00	0.00	127.33	114.88	12.44	10.233	
1,900.00	1,891.73	1,908.27	1,891.73	6.87	6.61	167.53	0.00	0.00	140.05	126.88	13.17	10.637	
2,000.00	1,990.87	2,009.13	1,990.87	7.28	6.97	168.58	0.00	0.00	152.82	138.93	13.89	11.003	
2,100.00	2,090.02	2,109.98	2,090.02	7.69	7.33	169.48	0.00	0.00	165.64	151.03	14.61	11.335	
2,200.00	2,189.16	2,189.16	2,189.16	8.10	7.62	170.24	0.00	0.00	178.49	163.23	15.26	11.697	
2,300.00	2,288.31	2,288.31	2,288.31	8.51	7.97	170.90	0.00	0.00	191.37	175.39	15.98	11.977	
2,400.00	2,387.45	2,387.45	2,387.45	8.91	8.33	171.48	0.00	0.00	204.27	187.58	16.70	12.233	
2,500.00	2,486.60	2,486.60	2,486.60	9.32	8.68	171.99	0.00	0.00	217.19	199.78	17.42	12.470	
2,600.00	2,585.74	2,585.74	2,585.74	9.74	9.04	172.45	0.00	0.00	230.13	211.99	18.14	12.688	
2,700.00	2,684.89	2,684.89	2,684.89	10.15	9.39	172.85	0.00	0.00	243.08	224.22	18.86	12.890	
2,800.00	2,784.03	2,784.03	2,784.03	10.56	9.75	173.21	0.00	0.00	256.03	236.46	19.58	13.078	
2,900.00	2,883.17	2,883.17	2,883.17	10.97	10.10	173.54	0.00	0.00	269.00	248.70	20.30	13.253	
3,000.00	2,982.32	2,982.32	2,982.32	11.38	10.46	173.84	0.00	0.00	281.98	260.96	21.02	13.416	
3,100.00	3,081.46	3,081.46	3,081.46	11.79	10.81	174.11	0.00	0.00	294.96	273.22	21.74	13.568	
3,200.00	3,180.61	3,180.61	3,180.61	12.21	11.17	174.36	0.00	0.00	307.95	285.49	22.46	13.711	
3,300.00	3,279.75	3,279.75	3,279.75	12.62	11.53	174.59	0.00	0.00	320.94	297.76	23.18	13.845	
3,400.00	3,378.90	3,378.90	3,378.90	13.03	11.88	174.80	0.00	0.00	333.94	310.03	23.90	13.971	
3,500.00	3,478.04	3,478.04	3,478.04	13.45	12.24	175.00	0.00	0.00	346.94	322.31	24.62	14.090	
3,600.00	3,577.19	3,577.19	3,577.19	13.86	12.59	175.18	0.00	0.00	359.94	334.60	25.34	14.202	
3,700.00	3,676.33	3,676.33	3,676.33	14.27	12.95	175.35	0.00	0.00	372.95	346.89	26.07	14.308	
3,800.00	3,775.47	3,775.47	3,775.47	14.69	13.30	175.50	0.00	0.00	385.96	359.18	26.79	14.408	
3,900.00	3,874.62	3,874.62	3,874.62	15.10	13.66	175.65	0.00	0.00	398.98	371.47	27.51	14.503	
4,000.00	3,973.76	3,973.76	3,973.76	15.51	14.01	175.79	0.00	0.00	412.00	383.76	28.23	14.594	
4,100.00	4,072.91	4,072.91	4,072.91	15.93	14.37	175.92	0.00	0.00	425.01	396.06	28.95	14.679	
4,200.00	4,172.05	4,172.05	4,172.05	16.34	14.72	176.04	0.00	0.00	438.04	408.36	29.67	14.761	
4,300.00	4,271.20	4,271.20	4,271.20	16.76	15.08	176.15	0.00	0.00	451.06	420.66	30.40	14.839	
4,400.00	4,370.34	4,370.34	4,370.34	17.17	15.44	176.26	0.00	0.00	464.08	432.96	31.12	14.913	
4,500.00	4,469.49	4,469.49	4,469.49	17.59	15.79	176.36	0.00	0.00	477.11	445.27	31.84	14.984	
4,600.00	4,568.63	4,568.63	4,568.63	18.00	16.15	176.46	0.00	0.00	490.14	457.57	32.56	15.052	
4,700.00	4,667.77	4,667.77	4,667.77	18.41	16.50	176.55	0.00	0.00	503.17	469.88	33.29	15.117	
4,800.00	4,766.92	4,766.92	4,766.92	18.83	16.86	176.64	0.00	0.00	516.20	482.19	34.01	15.179	
4,900.00	4,866.06	4,866.06	4,866.06	19.24	17.21	176.72	0.00	0.00	529.23	494.50	34.73	15.238	
5,000.00	4,965.21	4,965.21	4,965.21	19.66	17.57	176.80	0.00	0.00	542.26	506.81	35.45	15.295	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,064.35	5,064.35	5,064.35	20.07	17.92	176.88	0.00	0.00	555.29	519.12	36.17	15.350	
5,200.00	5,163.50	5,163.50	5,163.50	20.49	18.28	176.95	0.00	0.00	568.33	531.43	36.90	15.403	
5,300.00	5,262.64	5,262.64	5,262.64	20.90	18.63	177.02	0.00	0.00	581.36	543.74	37.62	15.454	
5,400.00	5,361.79	5,361.79	5,361.79	21.32	18.99	177.08	0.00	0.00	594.40	556.05	38.34	15.502	
5,500.00	5,460.93	5,460.93	5,460.93	21.57	19.24	177.14	0.00	0.00	607.43	568.65	38.78	15.664	
5,600.00	5,560.08	5,560.08	5,560.08	21.65	19.31	177.20	0.00	0.00	620.47	581.61	38.86	15.966	
5,700.00	5,659.22	5,659.22	5,659.22	21.74	19.32	177.26	0.00	0.00	633.51	594.62	38.89	16.291	
5,800.00	5,758.36	5,758.36	5,758.36	21.84	19.34	177.32	0.00	0.00	646.55	607.62	38.93	16.609	
5,900.00	5,857.51	5,857.51	5,857.51	21.95	19.36	177.37	0.00	0.00	659.58	620.60	38.98	16.921	
6,000.00	5,956.65	5,956.65	5,956.65	22.06	19.39	177.42	0.00	0.00	672.62	633.58	39.05	17.227	
6,100.00	6,055.80	6,055.80	6,055.80	22.18	19.43	177.47	0.00	0.00	685.66	646.54	39.12	17.525	
6,200.00	6,154.94	6,154.94	6,154.94	22.31	19.47	177.52	0.00	0.00	698.70	659.49	39.22	17.816	
6,300.00	6,254.09	6,254.09	6,254.09	22.45	19.52	177.56	0.00	0.00	711.74	672.42	39.32	18.100	
6,400.00	6,353.23	6,353.23	6,353.23	22.59	19.58	177.61	0.00	0.00	724.79	685.34	39.44	18.376	
6,500.00	6,452.38	6,452.38	6,452.38	22.74	19.64	177.65	0.00	0.00	737.83	698.25	39.57	18.645	
6,600.00	6,551.52	6,551.52	6,551.52	22.89	19.71	177.69	0.00	0.00	750.87	711.15	39.72	18.906	
6,700.00	6,650.66	6,650.66	6,650.66	23.06	19.78	177.73	0.00	0.00	763.91	724.04	39.87	19.158	
6,800.00	6,749.81	6,749.81	6,749.81	23.22	19.86	177.77	0.00	0.00	776.95	736.91	40.04	19.403	
6,900.00	6,848.95	6,848.95	6,848.95	23.40	19.95	177.81	0.00	0.00	790.00	749.77	40.22	19.640	
7,000.00	6,948.10	6,948.10	6,948.10	23.58	20.04	177.84	0.00	0.00	803.04	762.62	40.42	19.868	
7,100.00	7,047.24	7,047.24	7,047.24	23.77	20.14	177.88	0.00	0.00	816.08	775.46	40.62	20.089	
7,200.00	7,146.39	7,146.39	7,146.39	23.96	20.24	177.91	0.00	0.00	829.13	788.29	40.84	20.301	
7,300.00	7,245.53	7,258.11	7,258.11	24.16	20.36	177.95	-0.09	-0.43	841.83	800.73	41.10	20.481	
7,400.00	7,344.68	7,385.31	7,385.24	24.36	20.51	178.04	-0.95	-4.39	851.77	810.38	41.39	20.579	
7,500.00	7,443.82	7,513.19	7,512.84	24.57	20.66	178.19	-2.73	-12.54	858.44	816.78	41.66	20.604	
7,600.00	7,542.97	7,617.51	7,616.77	24.78	20.79	178.33	-4.65	-21.37	863.00	821.08	41.92	20.584	
7,700.00	7,642.11	7,717.39	7,716.26	25.00	20.92	178.47	-6.50	-29.88	867.52	825.33	42.20	20.559	
7,800.00	7,741.25	7,817.26	7,815.76	25.23	21.06	178.60	-8.34	-38.38	872.05	829.57	42.48	20.529	
7,900.00	7,840.40	7,917.14	7,915.26	25.45	21.21	178.73	-10.19	-46.89	876.58	833.81	42.77	20.494	
8,000.00	7,939.54	8,017.02	8,014.75	25.69	21.36	178.87	-12.04	-55.40	881.12	838.05	43.08	20.455	
8,100.00	8,038.69	8,116.89	8,114.25	25.93	21.51	179.00	-13.89	-63.90	885.66	842.27	43.39	20.411	
8,199.68	8,137.51	8,216.45	8,213.42	26.17	21.68	179.13	-15.74	-72.38	890.20	846.48	43.71	20.364	
8,300.00	8,237.14	8,309.87	8,306.50	26.40	21.83	179.25	-17.44	-80.22	893.59	849.54	44.04	20.289	
8,400.00	8,336.72	8,391.20	8,387.63	26.62	21.97	179.33	-18.63	-85.69	896.01	851.65	44.36	20.200	
8,500.00	8,436.50	8,472.51	8,469.85	26.82	22.11	179.38	-19.45	-89.46	897.90	853.24	44.66	20.103	
8,600.00	8,536.42	8,553.80	8,550.12	27.00	22.25	179.42	-19.90	-91.55	899.26	854.29	44.97	19.999	
8,699.68	8,636.09	8,639.77	8,636.09	27.16	22.40	90.00	-20.00	-92.00	900.00	854.73	45.27	19.880	
8,800.00	8,736.41	8,740.10	8,736.41	27.31	22.59	90.00	-20.00	-92.00	900.00	854.37	45.63	19.726	
8,900.00	8,836.41	8,840.10	8,836.41	27.46	22.77	90.00	-20.00	-92.00	900.00	854.01	45.99	19.571	
9,000.00	8,936.41	8,940.10	8,936.41	27.62	22.96	90.00	-20.00	-92.00	900.00	853.64	46.36	19.415	
9,100.00	9,036.41	9,040.10	9,036.41	27.78	23.15	90.00	-20.00	-92.00	900.00	853.27	46.73	19.258	
9,200.00	9,136.41	9,140.10	9,136.41	27.94	23.35	90.00	-20.00	-92.00	900.00	852.88	47.12	19.100	
9,300.00	9,236.41	9,240.10	9,236.41	28.11	23.55	90.00	-20.00	-92.00	900.00	852.49	47.51	18.942	
9,400.00	9,336.41	9,340.10	9,336.41	28.28	23.75	90.00	-20.00	-92.00	900.00	852.09	47.91	18.784	
9,500.00	9,436.41	9,440.10	9,436.41	28.45	23.96	90.00	-20.00	-92.00	900.00	851.68	48.32	18.625	
9,600.00	9,536.41	9,540.10	9,536.41	28.63	24.17	90.00	-20.00	-92.00	900.00	851.26	48.74	18.467	
9,700.00	9,636.41	9,640.10	9,636.41	28.81	24.39	90.00	-20.00	-92.00	900.00	850.84	49.16	18.308	
9,800.00	9,736.41	9,740.10	9,736.41	29.00	24.60	90.00	-20.00	-92.00	900.00	850.41	49.59	18.150	
9,900.00	9,836.41	9,840.10	9,836.41	29.18	24.83	90.00	-20.00	-92.00	900.00	849.98	50.02	17.992	
10,000.00	9,936.41	9,940.10	9,936.41	29.37	25.05	90.00	-20.00	-92.00	900.00	849.54	50.46	17.834	
10,100.00	10,036.41	10,040.10	10,036.41	29.57	25.28	90.00	-20.00	-92.00	900.00	849.09	50.91	17.677	
10,200.00	10,136.41	10,140.10	10,136.41	29.77	25.51	90.00	-20.00	-92.00	900.00	848.63	51.37	17.521	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,236.41	10,240.10	10,236.41	29.97	25.74	90.00	-20.00	-92.00	900.00	848.17	51.83	17.366	
10,400.00	10,336.41	10,340.10	10,336.41	30.17	25.98	90.00	-20.00	-92.00	900.00	847.71	52.29	17.211	
10,500.00	10,436.41	10,440.10	10,436.41	30.37	26.22	90.00	-20.00	-92.00	900.00	847.24	52.76	17.057	
10,600.00	10,536.41	10,540.10	10,536.41	30.58	26.46	90.00	-20.00	-92.00	900.00	846.76	53.24	16.904	
10,700.00	10,636.41	10,640.10	10,636.41	30.79	26.70	90.00	-20.00	-92.00	900.00	846.28	53.72	16.753	
10,800.00	10,736.41	10,740.10	10,736.41	31.01	26.95	90.00	-20.00	-92.00	900.00	845.79	54.21	16.602	
10,900.00	10,836.41	10,840.10	10,836.41	31.22	27.20	90.00	-20.00	-92.00	900.00	845.30	54.70	16.452	
11,000.00	10,936.41	10,940.10	10,936.41	31.44	27.45	90.00	-20.00	-92.00	900.00	844.80	55.20	16.304	
11,100.00	11,036.41	11,040.10	11,036.41	31.67	27.71	90.00	-20.00	-92.00	900.00	844.30	55.70	16.157	
11,200.00	11,136.41	11,140.10	11,136.41	31.89	27.96	90.00	-20.00	-92.00	900.00	843.79	56.21	16.011	
11,300.00	11,236.41	11,240.10	11,236.41	32.12	28.22	90.00	-20.00	-92.00	900.00	843.28	56.72	15.867	
11,400.00	11,336.41	11,340.10	11,336.41	32.35	28.48	90.00	-20.00	-92.00	900.00	842.76	57.24	15.724	
11,500.00	11,436.41	11,440.10	11,436.41	32.58	28.75	90.00	-20.00	-92.00	900.00	842.24	57.76	15.582	
11,600.00	11,536.41	11,540.10	11,536.41	32.81	29.01	90.00	-20.00	-92.00	900.00	841.72	58.28	15.442	
11,700.00	11,636.41	11,640.10	11,636.41	33.05	29.28	90.00	-20.00	-92.00	900.00	841.19	58.81	15.303	
11,800.00	11,736.41	11,740.10	11,736.41	33.28	29.55	90.00	-20.00	-92.00	900.00	840.66	59.34	15.166	
11,900.00	11,836.41	11,840.10	11,836.41	33.53	29.82	90.00	-20.00	-92.00	900.00	840.12	59.88	15.030	
12,000.00	11,936.41	11,940.10	11,936.41	33.77	30.09	90.00	-20.00	-92.00	900.00	839.58	60.42	14.896	
12,100.00	12,036.41	12,040.32	12,036.62	34.01	30.37	89.94	-19.13	-92.00	900.00	839.03	60.96	14.763	
12,141.93	12,078.33	12,082.22	12,078.33	34.12	30.48	89.70	-15.29	-92.02	899.99	838.80	61.19	14.708	
12,198.59	12,135.00	12,137.55	12,132.78	34.25	30.63	89.08	-5.57	-92.08	900.04	838.55	61.49	14.638	
12,200.00	12,136.41	12,138.90	12,134.09	34.26	30.64	89.31	-5.27	-92.08	900.05	838.55	61.50	14.636	
12,250.00	12,186.34	12,186.35	12,179.83	34.38	30.76	88.63	7.33	-92.14	900.24	838.49	61.75	14.578	
12,300.00	12,235.88	12,233.00	12,223.62	34.51	30.88	87.95	23.35	-92.23	900.55	838.55	62.00	14.524	
12,350.00	12,284.65	12,278.90	12,265.30	34.63	30.99	87.30	42.54	-92.33	900.98	838.72	62.25	14.473	
12,400.00	12,332.29	12,324.11	12,304.73	34.75	31.10	86.67	64.65	-92.44	901.50	839.00	62.50	14.424	
12,450.00	12,378.42	12,368.69	12,341.78	34.87	31.20	86.06	89.42	-92.57	902.10	839.36	62.74	14.378	
12,500.00	12,422.70	12,412.70	12,376.35	34.98	31.31	85.49	116.63	-92.72	902.76	839.77	62.98	14.333	
12,550.00	12,464.79	12,456.19	12,408.37	35.09	31.42	84.94	146.05	-92.87	903.46	840.23	63.23	14.289	
12,600.00	12,504.37	12,499.21	12,437.76	35.20	31.54	84.43	177.46	-93.03	904.18	840.71	63.47	14.245	
12,650.00	12,541.14	12,541.82	12,464.46	35.30	31.66	83.96	210.65	-93.21	904.91	841.18	63.72	14.201	
12,700.00	12,574.82	12,584.06	12,488.43	35.41	31.79	83.53	245.41	-93.39	905.61	841.64	63.98	14.155	
12,750.00	12,605.15	12,625.97	12,509.61	35.52	31.92	83.14	281.57	-93.58	906.29	842.05	64.24	14.108	
12,800.00	12,631.90	12,667.60	12,527.98	35.63	32.06	82.80	318.91	-93.77	906.91	842.40	64.51	14.058	
12,850.00	12,654.87	12,708.98	12,543.51	35.75	32.20	82.50	357.27	-93.98	907.47	842.67	64.80	14.005	
12,900.00	12,673.88	12,750.00	12,556.12	35.87	32.35	82.26	396.29	-94.18	907.94	842.85	65.09	13.949	
12,950.00	12,688.80	12,791.20	12,565.95	36.01	32.51	82.06	436.28	-94.39	908.32	842.92	65.40	13.888	
12,998.59	12,699.25	12,835.90	12,573.98	36.15	37.29	81.94	480.26	-94.62	908.52	842.80	65.72	13.823	
13,000.00	12,699.50	12,836.94	12,574.15	36.15	37.29	81.94	481.28	-94.62	908.52	842.79	65.73	13.822	
13,003.89	12,700.17	12,840.43	12,574.74	36.91	37.30	81.94	484.72	-94.64	908.52	842.77	65.75	13.817	
13,023.59	12,703.59	12,858.10	12,577.53	41.04	37.31	81.92	502.17	-94.74	908.54	842.67	65.87	13.793	
13,050.00	12,707.82	12,881.77	12,580.75	41.08	37.32	81.89	525.62	-94.88	908.60	842.58	66.02	13.762	
13,100.00	12,713.84	12,926.55	12,585.25	41.16	37.34	81.84	570.17	-95.18	908.70	842.37	66.33	13.700	
13,150.00	12,717.25	12,971.30	12,587.66	41.25	37.37	81.80	614.85	-95.52	908.77	842.10	66.67	13.630	
13,190.34	12,718.11	13,008.21	12,588.10	41.33	37.39	81.78	651.75	-95.83	908.82	841.83	66.98	13.568	
13,200.00	12,718.11	13,017.87	12,588.10	41.35	37.39	81.78	661.41	-95.91	908.82	841.74	67.07	13.549	
13,300.00	12,718.10	13,117.87	12,588.10	41.56	37.45	81.78	761.41	-96.78	908.83	840.77	68.06	13.354	
13,400.00	12,718.10	13,217.87	12,588.10	41.82	37.51	81.78	861.41	-97.64	908.84	839.66	69.18	13.137	
13,500.00	12,718.10	13,317.87	12,588.10	42.11	37.57	81.78	961.40	-98.51	908.85	838.41	70.44	12.902	
13,600.00	12,718.10	13,417.87	12,588.09	42.44	37.64	81.78	1,061.40	-99.37	908.87	837.04	71.83	12.653	
13,700.00	12,718.09	13,517.87	12,588.09	42.83	37.74	81.78	1,161.40	-100.24	908.88	835.54	73.34	12.393	
13,800.00	12,718.09	13,617.87	12,588.09	43.28	37.91	81.78	1,261.39	-101.10	908.89	833.93	74.97	12.124	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,718.09	13,717.87	12,588.09	43.79	38.41	81.78	1,361.39	-101.97	908.90	832.21	76.70	11.850	
14,000.00	12,718.09	13,817.87	12,588.09	44.37	39.24	81.78	1,461.38	-102.83	908.92	830.39	78.53	11.574	
14,100.00	12,718.08	13,917.87	12,588.08	45.02	40.19	81.78	1,561.38	-103.70	908.93	828.47	80.45	11.297	
14,200.00	12,718.08	14,017.87	12,588.08	45.74	41.19	81.78	1,661.38	-104.56	908.94	826.48	82.47	11.022	
14,300.00	12,718.08	14,117.87	12,588.08	46.52	42.25	81.78	1,761.37	-105.42	908.95	824.40	84.56	10.749	
14,400.00	12,718.08	14,217.87	12,588.08	47.37	43.34	81.78	1,861.37	-106.29	908.97	822.24	86.72	10.481	
14,500.00	12,718.07	14,317.87	12,588.07	48.28	44.47	81.78	1,961.37	-107.15	908.98	820.02	88.95	10.218	
14,600.00	12,718.07	14,417.87	12,588.07	49.25	45.63	81.78	2,061.36	-108.02	908.99	817.73	91.26	9.960	
14,700.00	12,718.07	14,517.87	12,588.07	50.26	46.82	81.78	2,161.36	-108.88	909.00	815.38	93.62	9.710	
14,800.00	12,718.07	14,617.87	12,588.07	51.32	48.04	81.78	2,261.35	-109.75	909.02	812.98	96.03	9.466	
14,900.00	12,718.06	14,717.87	12,588.06	52.42	49.29	81.78	2,361.35	-110.61	909.03	810.53	98.50	9.229	
15,000.00	12,718.06	14,817.87	12,588.06	53.56	50.56	81.78	2,461.35	-111.48	909.04	808.03	101.01	9.000	
15,100.00	12,718.06	14,917.87	12,588.06	54.74	51.85	81.78	2,561.34	-112.34	909.05	805.49	103.57	8.778	
15,200.00	12,718.06	15,017.87	12,588.06	55.94	53.16	81.78	2,661.34	-113.21	909.07	802.90	106.16	8.563	
15,300.00	12,718.05	15,117.87	12,588.05	57.17	54.50	81.78	2,761.34	-114.07	909.08	800.28	108.80	8.356	
15,400.00	12,718.05	15,217.87	12,588.05	58.43	55.85	81.78	2,861.33	-114.94	909.09	797.63	111.46	8.156	
15,500.00	12,718.05	15,317.87	12,588.05	59.71	57.21	81.78	2,961.33	-115.80	909.10	794.94	114.17	7.963	
15,600.00	12,718.05	15,417.87	12,588.05	61.02	58.59	81.78	3,061.32	-116.67	909.12	792.22	116.90	7.777	
15,700.00	12,718.04	15,517.87	12,588.04	62.34	59.99	81.78	3,161.32	-117.53	909.13	789.47	119.66	7.598	
15,800.00	12,718.04	15,617.87	12,588.04	63.68	61.40	81.78	3,261.32	-118.40	909.14	786.70	122.44	7.425	
15,900.00	12,718.04	15,717.87	12,588.04	65.04	62.82	81.78	3,361.31	-119.26	909.15	783.90	125.26	7.258	
16,000.00	12,718.04	15,817.87	12,588.04	66.41	64.25	81.78	3,461.31	-120.13	909.16	781.08	128.09	7.098	
16,100.00	12,718.03	15,917.87	12,588.03	67.80	65.69	81.78	3,561.31	-120.99	909.18	778.23	130.94	6.943	
16,200.00	12,718.03	16,017.87	12,588.03	69.20	67.14	81.78	3,661.30	-121.86	909.19	775.37	133.82	6.794	
16,300.00	12,718.03	16,117.87	12,588.03	70.61	68.61	81.78	3,761.30	-122.72	909.20	772.49	136.71	6.650	
16,400.00	12,718.03	16,217.87	12,588.03	72.04	70.08	81.78	3,861.29	-123.58	909.21	769.59	139.63	6.512	
16,500.00	12,718.02	16,317.87	12,588.02	73.47	71.56	81.78	3,961.29	-124.45	909.23	766.67	142.55	6.378	
16,600.00	12,718.02	16,417.87	12,588.02	74.92	73.04	81.78	4,061.29	-125.31	909.24	763.74	145.50	6.249	
16,700.00	12,718.02	16,517.87	12,588.02	76.37	74.54	81.78	4,161.28	-126.18	909.25	760.79	148.46	6.125	
16,800.00	12,718.02	16,617.87	12,588.02	77.83	76.04	81.78	4,261.28	-127.04	909.26	757.83	151.43	6.005	
16,900.00	12,718.01	16,717.87	12,588.01	79.31	77.54	81.78	4,361.28	-127.91	909.28	754.86	154.41	5.889	
17,000.00	12,718.01	16,817.87	12,588.01	80.79	79.06	81.78	4,461.27	-128.77	909.29	751.88	157.41	5.776	
17,100.00	12,718.01	16,917.87	12,588.01	82.27	80.58	81.78	4,561.27	-129.64	909.30	748.88	160.42	5.668	
17,200.00	12,718.01	17,017.87	12,588.01	83.77	82.10	81.78	4,661.26	-130.50	909.31	745.87	163.44	5.564	
17,300.00	12,718.01	17,117.87	12,588.00	85.27	83.63	81.78	4,761.26	-131.37	909.33	742.85	166.47	5.462	
17,400.00	12,718.00	17,217.87	12,588.00	86.77	85.17	81.78	4,861.26	-132.23	909.34	739.83	169.51	5.364	
17,491.53	12,718.00	17,309.40	12,588.00	88.16	86.57	81.78	4,952.78	-133.02	909.35	737.05	172.30	5.278 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	88.09	-29.00	30.00	30.02				
100.00	100.00	100.00	100.00	0.13	0.13	88.09	-29.00	30.00	30.02	29.76	0.25	117.937	
200.00	200.00	200.00	200.00	0.49	0.49	88.09	-29.00	30.00	30.02	29.05	0.97	30.899	
300.00	300.00	300.00	300.00	0.84	0.84	88.09	-29.00	30.00	30.02	28.33	1.69	17.778	
400.00	400.00	400.00	400.00	1.20	1.20	88.09	-29.00	30.00	30.02	27.61	2.41	12.479	
500.00	500.00	500.00	500.00	1.56	1.56	88.09	-29.00	30.00	30.02	26.89	3.12	9.614	
600.00	600.00	600.00	600.00	1.92	1.92	88.09	-29.00	30.00	30.02	26.18	3.84	7.818 CC, ES	
700.00	699.99	700.01	699.99	2.27	2.28	177.62	-29.00	30.00	31.32	26.78	4.55	6.887	
800.00	799.91	800.09	799.91	2.62	2.64	177.88	-29.00	30.00	35.25	29.99	5.25	6.709 SF	
900.00	899.69	900.31	899.69	2.97	3.00	178.21	-29.00	30.00	41.78	35.82	5.96	7.007	
1,000.00	999.27	999.27	999.27	3.33	3.35	178.53	-29.00	30.00	50.93	44.26	6.67	7.634	
1,100.00	1,098.57	1,096.96	1,096.95	3.70	3.69	178.79	-28.98	31.23	63.93	56.56	7.37	8.676	
1,200.00	1,197.72	1,193.71	1,193.62	4.09	4.03	178.98	-28.94	34.91	80.74	72.69	8.05	10.029	
1,300.00	1,296.86	1,289.58	1,289.29	4.48	4.36	179.09	-28.86	40.97	100.04	91.31	8.72	11.467	
1,400.00	1,396.01	1,384.42	1,383.77	4.87	4.70	179.16	-28.75	49.33	121.78	112.39	9.39	12.969	
1,500.00	1,495.15	1,481.16	1,479.99	5.27	5.05	179.20	-28.62	59.41	145.09	135.01	10.08	14.399	
1,600.00	1,594.30	1,578.40	1,576.69	5.66	5.40	179.23	-28.49	69.57	168.43	157.66	10.77	15.639	
1,700.00	1,693.44	1,675.64	1,673.40	6.07	5.76	179.25	-28.35	79.73	191.77	180.30	11.47	16.723	
1,800.00	1,792.58	1,772.87	1,770.10	6.47	6.13	179.27	-28.23	89.90	215.11	202.95	12.17	17.680	
1,900.00	1,891.73	1,870.11	1,866.81	6.87	6.49	179.28	-28.10	100.06	238.46	225.59	12.87	18.530	
2,000.00	1,990.87	1,967.35	1,963.51	7.28	6.86	179.29	-27.97	110.22	261.80	248.23	13.57	19.290	
2,100.00	2,090.02	2,064.59	2,060.21	7.69	7.23	179.30	-27.84	120.39	285.14	270.87	14.28	19.973	
2,200.00	2,189.16	2,161.82	2,156.92	8.10	7.60	179.31	-27.71	130.55	308.49	293.50	14.98	20.590	
2,300.00	2,288.31	2,259.06	2,253.62	8.51	7.97	179.32	-27.58	140.71	331.83	316.14	15.69	21.151	
2,400.00	2,387.45	2,356.30	2,350.33	8.91	8.34	179.32	-27.45	150.88	355.17	338.78	16.40	21.661	
2,500.00	2,486.60	2,453.54	2,447.03	9.32	8.72	179.33	-27.32	161.04	378.52	361.41	17.11	22.129	
2,600.00	2,585.74	2,550.77	2,543.74	9.74	9.09	179.33	-27.19	171.20	401.86	384.04	17.81	22.558	
2,700.00	2,684.89	2,648.01	2,640.44	10.15	9.47	179.34	-27.05	181.36	425.20	406.68	18.52	22.954	
2,800.00	2,784.03	2,745.25	2,737.15	10.56	9.84	179.34	-26.92	191.53	448.55	429.31	19.23	23.319	
2,900.00	2,883.17	2,842.48	2,833.85	10.97	10.22	179.35	-26.79	201.69	471.89	451.94	19.95	23.658	
3,000.00	2,982.32	2,939.72	2,930.56	11.38	10.60	179.35	-26.66	211.85	495.23	474.57	20.66	23.974	
3,100.00	3,081.46	3,036.96	3,027.26	11.79	10.98	179.35	-26.53	222.02	518.57	497.20	21.37	24.267	
3,200.00	3,180.61	3,134.20	3,123.97	12.21	11.35	179.35	-26.40	232.18	541.92	519.84	22.08	24.542	
3,300.00	3,279.75	3,231.43	3,220.67	12.62	11.73	179.36	-26.27	242.34	565.26	542.47	22.79	24.799	
3,400.00	3,378.90	3,328.67	3,317.38	13.03	12.11	179.36	-26.14	252.51	588.60	565.10	23.51	25.039	
3,500.00	3,478.04	3,425.91	3,414.08	13.45	12.49	179.36	-26.01	262.67	611.95	587.73	24.22	25.266	
3,600.00	3,577.19	3,523.15	3,510.78	13.86	12.87	179.36	-25.88	272.83	635.29	610.36	24.93	25.479	
3,700.00	3,676.33	3,620.38	3,607.49	14.27	13.25	179.36	-25.75	283.00	658.63	632.98	25.65	25.680	
3,800.00	3,775.47	3,717.62	3,704.19	14.69	13.63	179.37	-25.62	293.16	681.98	655.61	26.36	25.870	
3,900.00	3,874.62	3,814.86	3,800.90	15.10	14.01	179.37	-25.49	303.32	705.32	678.24	27.08	26.050	
4,000.00	3,973.76	3,912.10	3,897.60	15.51	14.39	179.37	-25.36	313.49	728.66	700.87	27.79	26.220	
4,100.00	4,072.91	4,009.33	3,994.31	15.93	14.77	179.37	-25.23	323.65	752.00	723.50	28.51	26.381	
4,200.00	4,172.05	4,106.57	4,091.01	16.34	15.15	179.37	-25.09	333.81	775.35	746.13	29.22	26.535	
4,300.00	4,271.20	4,203.81	4,187.72	16.76	15.53	179.37	-24.96	343.98	798.69	768.76	29.94	26.681	
4,400.00	4,370.34	4,301.04	4,284.42	17.17	15.91	179.37	-24.83	354.14	822.03	791.38	30.65	26.820	
4,500.00	4,469.49	4,401.72	4,381.13	17.59	16.31	179.37	-24.70	364.30	845.38	814.00	31.38	26.941	
4,600.00	4,568.63	4,495.52	4,477.83	18.00	16.68	179.38	-24.57	374.47	868.72	836.64	32.08	27.079	
4,700.00	4,667.77	4,592.76	4,574.54	18.41	17.06	179.38	-24.44	384.63	892.06	859.27	32.80	27.200	
4,800.00	4,766.92	4,689.99	4,671.24	18.83	17.44	179.38	-24.31	394.79	915.41	881.89	33.51	27.315	
4,900.00	4,866.06	4,787.23	4,767.95	19.24	17.82	179.38	-24.18	404.96	938.75	904.52	34.23	27.426	
5,000.00	4,965.21	4,884.47	4,864.65	19.66	18.20	179.38	-24.05	415.12	962.09	927.15	34.95	27.532	
5,100.00	5,064.35	4,981.71	4,961.35	20.07	18.59	179.38	-23.92	425.28	985.43	949.77	35.66	27.633	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,078.94	5,058.06	20.49	18.97	179.38	-23.79	435.45	1,008.78	972.40	36.38	27.731	
5,300.00	5,262.64	5,176.18	5,154.76	20.90	19.35	179.38	-23.66	445.61	1,032.12	995.03	37.09	27.824	
5,400.00	5,361.79	5,273.42	5,251.47	21.32	19.73	179.38	-23.53	455.77	1,055.46	1,017.65	37.81	27.914	
5,500.00	5,460.93	5,370.66	5,348.17	21.57	20.12	179.38	-23.40	465.94	1,078.81	1,040.45	38.36	28.124	
5,600.00	5,560.08	5,467.89	5,444.88	21.65	20.38	179.38	-23.27	476.10	1,102.15	1,063.55	38.60	28.552	
5,700.00	5,659.22	5,565.13	5,541.58	21.74	20.49	179.38	-23.14	486.26	1,125.49	1,086.81	38.68	29.096	
5,800.00	5,758.36	5,662.37	5,638.29	21.84	20.55	179.38	-23.00	496.43	1,148.84	1,110.12	38.72	29.672	
5,900.00	5,857.51	5,759.61	5,734.99	21.95	20.61	179.39	-22.87	506.59	1,172.18	1,133.41	38.77	30.237	
6,000.00	5,956.65	5,856.84	5,831.70	22.06	20.68	179.39	-22.74	516.75	1,195.52	1,156.69	38.83	30.789	
6,100.00	6,055.80	5,954.08	5,928.40	22.18	20.76	179.39	-22.61	526.91	1,218.87	1,179.96	38.90	31.329	
6,200.00	6,154.94	6,051.32	6,025.11	22.31	20.85	179.39	-22.48	537.08	1,242.21	1,203.21	38.99	31.857	
6,300.00	6,254.09	6,148.55	6,121.81	22.45	20.94	179.39	-22.35	547.24	1,265.55	1,226.46	39.10	32.371	
6,400.00	6,353.23	6,245.79	6,218.52	22.59	21.04	179.39	-22.22	557.40	1,288.89	1,249.68	39.21	32.872	
6,500.00	6,452.38	6,343.03	6,315.22	22.74	21.15	179.39	-22.09	567.57	1,312.24	1,272.90	39.34	33.358	
6,600.00	6,551.52	6,440.27	6,411.92	22.89	21.26	179.39	-21.96	577.73	1,335.58	1,296.10	39.48	33.831	
6,700.00	6,650.66	6,537.50	6,508.63	23.06	21.38	179.39	-21.83	587.89	1,358.92	1,319.29	39.63	34.289	
6,800.00	6,749.81	6,634.74	6,605.33	23.22	21.50	179.39	-21.70	598.06	1,382.27	1,342.47	39.80	34.733	
6,900.00	6,848.95	6,731.98	6,702.04	23.40	21.63	179.39	-21.57	608.22	1,405.61	1,365.64	39.97	35.163	
7,000.00	6,948.10	6,829.22	6,798.74	23.58	21.77	179.39	-21.44	618.38	1,428.95	1,388.79	40.16	35.578	
7,100.00	7,047.24	6,926.45	6,895.45	23.77	21.91	179.39	-21.31	628.55	1,452.30	1,411.93	40.37	35.978	
7,200.00	7,146.39	7,023.69	6,992.15	23.96	22.06	179.39	-21.18	638.71	1,475.64	1,435.06	40.58	36.364	
7,300.00	7,245.53	7,120.93	7,088.86	24.16	22.21	179.39	-21.05	648.87	1,498.98	1,458.18	40.81	36.735	
7,400.00	7,344.68	7,218.17	7,185.56	24.36	22.37	179.39	-20.91	659.04	1,522.32	1,481.28	41.04	37.091	
7,500.00	7,443.82	7,315.40	7,282.27	24.57	22.54	179.39	-20.78	669.20	1,545.67	1,504.38	41.29	37.434	
7,600.00	7,542.97	7,412.64	7,378.97	24.78	22.71	179.39	-20.65	679.36	1,569.01	1,527.46	41.55	37.762	
7,700.00	7,642.11	7,509.88	7,475.68	25.00	22.88	179.39	-20.52	689.53	1,592.35	1,550.53	41.82	38.076	
7,800.00	7,741.25	7,607.11	7,572.38	25.23	23.07	179.39	-20.39	699.69	1,615.70	1,573.60	42.10	38.376	
7,900.00	7,840.40	7,704.35	7,669.09	25.45	23.25	179.39	-20.26	709.85	1,639.04	1,596.65	42.39	38.663	
8,000.00	7,939.54	7,801.59	7,765.79	25.69	23.44	179.39	-20.13	720.02	1,662.38	1,619.69	42.69	38.937	
8,100.00	8,038.69	7,901.17	7,862.49	25.93	23.64	179.39	-20.00	730.18	1,685.73	1,642.72	43.01	39.194	
8,199.68	8,137.51	8,004.25	7,958.89	26.17	23.85	179.39	-19.87	740.31	1,708.99	1,665.65	43.34	39.432	
8,300.00	8,237.14	8,093.60	8,056.20	26.40	24.04	179.40	-19.74	750.54	1,731.13	1,687.47	43.66	39.652	
8,400.00	8,336.72	8,208.32	8,153.74	26.62	24.29	179.40	-19.61	760.79	1,750.63	1,706.60	44.02	39.766	
8,500.00	8,436.50	8,309.77	8,251.75	26.82	24.51	179.40	-19.47	771.09	1,767.55	1,723.18	44.37	39.833	
8,600.00	8,536.42	8,389.19	8,350.18	27.00	24.69	179.40	-19.34	781.43	1,781.89	1,737.20	44.69	39.870	
8,699.68	8,636.09	8,527.98	8,488.29	27.16	25.00	89.97	-19.17	795.00	1,793.10	1,747.92	45.18	39.688	
8,800.00	8,736.41	8,717.02	8,677.00	27.31	25.38	89.97	-19.03	805.92	1,798.90	1,753.10	45.79	39.282	
8,900.00	8,836.41	8,876.45	8,836.41	27.46	25.66	89.97	-19.00	808.00	1,800.00	1,753.71	46.29	38.883	
9,000.00	8,936.41	8,976.45	8,936.41	27.62	25.82	89.97	-19.00	808.00	1,800.00	1,753.34	46.66	38.581	
9,100.00	9,036.41	9,076.45	9,036.41	27.78	25.99	89.97	-19.00	808.00	1,800.00	1,752.97	47.03	38.276	
9,200.00	9,136.41	9,176.45	9,136.41	27.94	26.17	89.97	-19.00	808.00	1,800.00	1,752.59	47.41	37.970	
9,300.00	9,236.41	9,276.45	9,236.41	28.11	26.34	89.97	-19.00	808.00	1,800.00	1,752.21	47.79	37.663	
9,400.00	9,336.41	9,376.45	9,336.41	28.28	26.52	89.97	-19.00	808.00	1,800.00	1,751.81	48.19	37.355	
9,500.00	9,436.41	9,476.45	9,436.41	28.45	26.71	89.97	-19.00	808.00	1,800.00	1,751.41	48.59	37.046	
9,600.00	9,536.41	9,576.45	9,536.41	28.63	26.90	89.97	-19.00	808.00	1,800.00	1,751.00	49.00	36.737	
9,700.00	9,636.41	9,676.45	9,636.41	28.81	27.09	89.97	-19.00	808.00	1,800.00	1,750.59	49.41	36.428	
9,800.00	9,736.41	9,776.45	9,736.41	29.00	27.28	89.97	-19.00	808.00	1,800.00	1,750.17	49.83	36.119	
9,900.00	9,836.41	9,876.45	9,836.41	29.18	27.48	89.97	-19.00	808.00	1,800.00	1,749.74	50.26	35.811	
10,000.00	9,936.41	9,976.45	9,936.41	29.37	27.68	89.97	-19.00	808.00	1,800.00	1,749.30	50.70	35.503	
10,100.00	10,036.41	10,076.45	10,036.41	29.57	27.89	89.97	-19.00	808.00	1,800.00	1,748.86	51.14	35.196	
10,200.00	10,136.41	10,176.45	10,136.41	29.77	28.09	89.97	-19.00	808.00	1,800.00	1,748.41	51.59	34.890	
10,300.00	10,236.41	10,276.45	10,236.41	29.97	28.30	89.97	-19.00	808.00	1,800.00	1,747.96	52.04	34.586	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,336.41	10,376.45	10,336.41	30.17	28.52	89.97	-19.00	808.00	1,800.00	1,747.50	52.51	34.282	
10,500.00	10,436.41	10,476.45	10,436.41	30.37	28.73	89.97	-19.00	808.00	1,800.00	1,747.03	52.97	33.981	
10,600.00	10,536.41	10,576.45	10,536.41	30.58	28.95	89.97	-19.00	808.00	1,800.00	1,746.56	53.44	33.681	
10,700.00	10,636.41	10,676.45	10,636.41	30.79	29.17	89.97	-19.00	808.00	1,800.00	1,746.08	53.92	33.383	
10,800.00	10,736.41	10,776.45	10,736.41	31.01	29.40	89.97	-19.00	808.00	1,800.00	1,745.60	54.40	33.087	
10,900.00	10,836.41	10,876.45	10,836.41	31.22	29.63	89.97	-19.00	808.00	1,800.00	1,745.11	54.89	32.794	
11,000.00	10,936.41	10,976.45	10,936.41	31.44	29.86	89.97	-19.00	808.00	1,800.00	1,744.62	55.38	32.502	
11,100.00	11,036.41	11,076.45	11,036.41	31.67	30.09	89.97	-19.00	808.00	1,800.00	1,744.12	55.88	32.213	
11,200.00	11,136.41	11,176.45	11,136.41	31.89	30.32	89.97	-19.00	808.00	1,800.00	1,743.62	56.38	31.926	
11,300.00	11,236.41	11,276.45	11,236.41	32.12	30.56	89.97	-19.00	808.00	1,800.00	1,743.11	56.89	31.642	
11,400.00	11,336.41	11,376.45	11,336.41	32.35	30.80	89.97	-19.00	808.00	1,800.00	1,742.60	57.40	31.360	
11,500.00	11,436.41	11,476.45	11,436.41	32.58	31.04	89.97	-19.00	808.00	1,800.00	1,742.09	57.91	31.081	
11,600.00	11,536.41	11,576.45	11,536.41	32.81	31.28	89.97	-19.00	808.00	1,800.00	1,741.57	58.43	30.805	
11,700.00	11,636.41	11,676.45	11,636.41	33.05	31.53	89.97	-19.00	808.00	1,800.00	1,741.04	58.96	30.531	
11,800.00	11,736.41	11,776.45	11,736.41	33.28	31.78	89.97	-19.00	808.00	1,800.00	1,740.52	59.48	30.260	
11,900.00	11,836.41	11,876.45	11,836.41	33.53	32.03	89.97	-19.00	808.00	1,800.00	1,739.98	60.02	29.992	
12,000.00	11,936.41	11,976.45	11,936.41	33.77	32.28	89.97	-19.00	808.00	1,800.00	1,739.45	60.55	29.727	
12,100.00	12,036.41	12,076.45	12,036.41	34.01	32.54	89.97	-19.00	808.00	1,800.00	1,738.91	61.09	29.465	
12,198.59	12,135.00	12,175.05	12,135.00	34.25	32.79	89.97	-19.00	808.00	1,800.00	1,738.38	61.63	29.209	
12,200.00	12,136.41	12,176.47	12,136.43	34.26	32.79	90.22	-19.00	808.00	1,800.00	1,738.37	61.63	29.205	
12,250.00	12,186.34	12,227.07	12,186.96	34.38	32.92	90.22	-16.64	807.99	1,800.00	1,738.09	61.91	29.076	
12,300.00	12,235.88	12,277.67	12,237.08	34.51	33.05	90.21	-9.83	807.96	1,800.00	1,737.82	62.18	28.949	
12,350.00	12,284.65	12,328.26	12,286.40	34.63	33.18	90.21	1.36	807.91	1,800.00	1,737.55	62.45	28.823	
12,400.00	12,332.29	12,378.84	12,334.52	34.75	33.31	90.20	16.86	807.84	1,800.00	1,737.28	62.72	28.700	
12,450.00	12,378.42	12,429.40	12,381.08	34.87	33.43	90.20	36.54	807.76	1,800.00	1,737.01	62.99	28.578	
12,500.00	12,422.70	12,479.93	12,425.70	34.98	33.54	90.19	60.22	807.65	1,800.00	1,736.74	63.25	28.457	
12,550.00	12,464.79	12,530.44	12,468.04	35.09	33.66	90.18	87.73	807.53	1,800.00	1,736.47	63.53	28.335	
12,600.00	12,504.37	12,580.91	12,507.77	35.20	33.77	90.17	118.84	807.40	1,799.99	1,736.19	63.80	28.212	
12,650.00	12,541.14	12,631.35	12,544.58	35.30	33.88	90.15	153.30	807.25	1,799.99	1,735.91	64.09	28.087	
12,700.00	12,574.82	12,681.75	12,578.19	35.41	33.98	90.14	190.83	807.08	1,799.99	1,735.61	64.38	27.957	
12,750.00	12,605.15	12,732.12	12,608.36	35.52	34.09	90.12	231.14	806.91	1,799.99	1,735.30	64.69	27.823	
12,800.00	12,631.90	12,782.43	12,634.85	35.63	34.21	90.11	273.90	806.72	1,799.99	1,734.97	65.02	27.683	
12,850.00	12,654.87	12,832.70	12,657.47	35.75	34.33	90.09	318.77	806.53	1,799.99	1,734.62	65.37	27.537	
12,900.00	12,673.88	12,882.93	12,676.05	35.87	34.46	90.07	365.41	806.32	1,799.99	1,734.26	65.73	27.384	
12,950.00	12,688.80	12,933.10	12,690.46	36.01	34.61	90.05	413.45	806.11	1,799.99	1,733.87	66.12	27.223	
12,998.59	12,699.25	12,981.79	12,700.43	36.15	35.97	90.04	461.11	805.91	1,799.99	1,733.48	66.51	27.063	
13,000.00	12,699.50	12,983.20	12,700.67	36.15	36.24	90.04	462.49	805.90	1,799.99	1,733.47	66.52	27.059	
13,023.59	12,703.59	13,007.14	12,704.80	41.04	39.72	90.04	486.07	805.80	1,799.99	1,733.29	66.69	26.989	
13,050.00	12,707.82	13,034.90	12,709.02	41.08	39.75	90.04	513.51	805.66	1,799.98	1,733.11	66.87	26.916	
13,100.00	12,713.84	13,087.44	12,714.82	41.16	39.83	90.03	565.72	805.35	1,799.97	1,732.72	67.25	26.766	
13,150.00	12,717.26	13,139.94	12,717.73	41.25	39.91	90.01	618.13	804.96	1,799.95	1,732.29	67.67	26.601	
13,189.57	12,718.11	13,180.78	12,718.11	41.33	39.97	90.00	658.97	804.61	1,799.94	1,731.92	68.02	26.462	
13,190.34	12,718.11	13,181.54	12,718.11	41.33	39.97	90.00	659.73	804.61	1,799.94	1,731.91	68.03	26.459	
13,200.00	12,718.11	13,208.79	12,718.11	41.35	40.02	90.00	669.39	804.52	1,799.94	1,731.74	68.20	26.392	
13,300.00	12,718.10	13,308.79	12,718.10	41.56	40.21	90.00	769.39	803.65	1,799.94	1,730.73	69.21	26.005	
13,400.00	12,718.10	13,408.79	12,718.10	41.82	40.43	90.00	869.39	802.77	1,799.95	1,729.58	70.37	25.578	
13,500.00	12,718.10	13,508.79	12,718.10	42.11	40.70	90.00	969.38	801.90	1,799.95	1,728.29	71.66	25.117	
13,600.00	12,718.10	13,608.79	12,718.10	42.44	41.01	90.00	1,069.38	801.02	1,799.95	1,726.87	73.08	24.630	
13,700.00	12,718.09	13,708.79	12,718.09	42.83	41.39	90.00	1,169.37	800.15	1,799.95	1,725.33	74.62	24.122	
13,800.00	12,718.09	13,808.79	12,718.09	43.28	41.84	90.00	1,269.37	799.27	1,799.95	1,723.68	76.27	23.599	
13,900.00	12,718.09	13,908.79	12,718.09	43.79	42.37	90.00	1,369.37	798.40	1,799.96	1,721.92	78.03	23.067	
14,000.00	12,718.09	14,008.79	12,718.09	44.37	42.98	90.00	1,469.36	797.52	1,799.96	1,720.07	79.89	22.530	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,718.08	14,108.79	12,718.08	45.02	43.68	90.00	1,569.36	796.64	1,799.96	1,718.12	81.84	21.993	
14,200.00	12,718.08	14,208.79	12,718.08	45.74	44.46	90.00	1,669.36	795.77	1,799.96	1,716.08	83.88	21.459	
14,300.00	12,718.08	14,308.79	12,718.08	46.52	45.31	90.00	1,769.35	794.89	1,799.96	1,713.97	85.99	20.931	
14,400.00	12,718.08	14,408.79	12,718.08	47.37	46.23	90.00	1,869.35	794.02	1,799.97	1,711.78	88.19	20.411	
14,500.00	12,718.07	14,508.79	12,718.07	48.28	47.21	90.00	1,969.34	793.14	1,799.97	1,709.52	90.45	19.901	
14,600.00	12,718.07	14,608.79	12,718.07	49.25	48.24	90.00	2,069.34	792.27	1,799.97	1,707.20	92.77	19.403	
14,700.00	12,718.07	14,691.21	12,718.07	50.26	49.12	90.00	2,169.34	791.39	1,799.97	1,705.03	94.94	18.959	
14,800.00	12,718.07	14,808.79	12,718.07	51.32	50.44	90.00	2,269.33	790.52	1,799.97	1,702.39	97.59	18.445	
14,900.00	12,718.06	14,908.79	12,718.06	52.42	51.60	90.00	2,369.33	789.64	1,799.98	1,699.90	100.08	17.986	
15,000.00	12,718.06	15,008.79	12,718.06	53.56	52.79	90.00	2,469.32	788.77	1,799.98	1,697.37	102.61	17.542	
15,100.00	12,718.06	15,108.79	12,718.06	54.74	54.01	90.00	2,569.32	787.89	1,799.98	1,694.79	105.19	17.112	
15,200.00	12,718.06	15,208.79	12,718.06	55.94	55.26	90.00	2,669.32	787.02	1,799.98	1,692.17	107.81	16.696	
15,300.00	12,718.05	15,308.79	12,718.05	57.17	56.54	90.00	2,769.31	786.14	1,799.98	1,689.52	110.46	16.295	
15,400.00	12,718.05	15,408.79	12,718.05	58.43	57.83	90.00	2,869.31	785.27	1,799.99	1,686.83	113.15	15.907	
15,500.00	12,718.05	15,508.79	12,718.05	59.71	59.15	90.00	2,969.31	784.39	1,799.99	1,684.11	115.88	15.533	
15,600.00	12,718.05	15,608.79	12,718.05	61.02	60.49	90.00	3,069.30	783.51	1,799.99	1,681.36	118.63	15.173	
15,700.00	12,718.04	15,708.79	12,718.04	62.34	61.84	90.00	3,169.30	782.64	1,799.99	1,678.58	121.42	14.825	
15,800.00	12,718.04	15,808.79	12,718.04	63.68	63.21	90.00	3,269.29	781.76	1,799.99	1,675.77	124.22	14.490	
15,900.00	12,718.04	15,908.79	12,718.04	65.04	64.60	90.00	3,369.29	780.89	1,800.00	1,672.94	127.06	14.167	
16,000.00	12,718.04	16,008.79	12,718.04	66.41	66.00	90.00	3,469.29	780.01	1,800.00	1,670.08	129.91	13.855	
16,100.00	12,718.03	16,108.79	12,718.03	67.80	67.41	90.00	3,569.28	779.14	1,800.00	1,667.21	132.79	13.555	
16,200.00	12,718.03	16,208.79	12,718.03	69.20	68.83	90.00	3,669.28	778.26	1,800.00	1,664.31	135.69	13.266	
16,300.00	12,718.03	16,308.79	12,718.03	70.61	70.26	90.00	3,769.28	777.39	1,800.00	1,661.40	138.61	12.986	
16,400.00	12,718.03	16,408.79	12,718.03	72.04	71.71	90.00	3,869.27	776.51	1,800.01	1,658.47	141.54	12.717	
16,500.00	12,718.02	16,508.79	12,718.02	73.47	73.16	90.00	3,969.27	775.64	1,800.01	1,655.52	144.49	12.458	
16,600.00	12,718.02	16,608.79	12,718.02	74.92	74.63	90.00	4,069.26	774.76	1,800.01	1,652.55	147.46	12.207	
16,700.00	12,718.02	16,708.79	12,718.02	76.37	76.10	90.00	4,169.26	773.89	1,800.01	1,649.57	150.44	11.965	
16,800.00	12,718.02	16,808.79	12,718.02	77.83	77.58	90.00	4,269.26	773.01	1,800.01	1,646.58	153.44	11.731	
16,900.00	12,718.01	16,908.79	12,718.01	79.31	79.06	90.00	4,369.25	772.14	1,800.02	1,643.57	156.44	11.506	
17,000.00	12,718.01	17,008.79	12,718.01	80.79	80.56	90.00	4,469.25	771.26	1,800.02	1,640.55	159.46	11.288	
17,100.00	12,718.01	17,091.21	12,718.01	82.27	81.79	90.00	4,569.24	770.39	1,800.02	1,637.79	162.23	11.096	
17,200.00	12,718.01	17,208.79	12,718.01	83.77	83.57	90.00	4,669.24	769.51	1,800.02	1,634.48	165.54	10.874	
17,300.00	12,718.01	17,308.79	12,718.00	85.27	85.08	90.00	4,769.24	768.63	1,800.02	1,631.43	168.59	10.677	
17,400.00	12,718.00	17,391.21	12,718.00	86.77	86.33	90.00	4,869.23	767.76	1,800.03	1,628.64	171.39	10.503	
17,491.53	12,718.00	17,482.73	12,718.00	88.16	87.72	90.00	4,960.76	766.96	1,800.03	1,625.83	174.20	10.333	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	84.14	222.00	2,456.00	2,468.98				
100.00	100.00	79.00	79.00	0.13	0.10	84.14	222.00	2,456.00	2,468.89	2,468.67	0.23	N/A	
200.00	200.00	179.00	179.00	0.49	0.41	84.14	222.00	2,456.00	2,468.89	2,468.00	0.90	2,754.912	
300.00	300.00	279.00	279.00	0.84	0.77	84.14	222.00	2,456.00	2,468.89	2,467.28	1.61	1,530.507	
400.00	400.00	379.00	379.00	1.20	1.13	84.14	222.00	2,456.00	2,468.89	2,466.56	2.33	1,059.582	
500.00	500.00	479.00	479.00	1.56	1.49	84.14	222.00	2,456.00	2,468.89	2,465.85	3.05	810.268	
600.00	600.00	579.00	579.00	1.92	1.84	84.14	222.00	2,456.00	2,468.89	2,465.13	3.76	655.932	CC, ES
700.00	699.99	678.99	678.99	2.27	2.20	173.57	222.00	2,456.00	2,470.20	2,465.72	4.47	552.285	
800.00	799.91	778.91	778.91	2.62	2.56	173.57	222.00	2,456.00	2,474.10	2,468.92	5.18	477.856	
900.00	899.69	1,016.92	1,016.81	2.97	3.38	173.63	220.22	2,450.10	2,478.40	2,472.06	6.34	391.008	
1,000.00	999.27	1,233.52	1,232.61	3.33	4.15	173.76	214.95	2,432.61	2,478.79	2,471.37	7.42	333.946	
1,100.00	1,098.57	1,333.45	1,331.99	3.70	4.51	173.83	211.94	2,422.61	2,480.23	2,472.10	8.13	305.118	
1,200.00	1,197.72	1,433.36	1,431.35	4.09	4.88	173.91	208.93	2,412.61	2,482.97	2,474.13	8.84	280.940	
1,300.00	1,296.86	1,533.26	1,530.71	4.48	5.26	173.99	205.92	2,402.61	2,485.71	2,476.16	9.55	260.218	
1,400.00	1,396.01	1,633.17	1,630.06	4.87	5.63	174.07	202.91	2,392.61	2,488.46	2,478.19	10.27	242.304	
1,500.00	1,495.15	1,733.07	1,729.42	5.27	6.01	174.15	199.89	2,382.61	2,491.22	2,480.23	10.99	226.674	
1,600.00	1,594.30	1,832.97	1,828.77	5.66	6.40	174.23	196.88	2,372.61	2,493.97	2,482.26	11.71	212.928	
1,700.00	1,693.44	1,932.88	1,928.13	6.07	6.78	174.30	193.87	2,362.61	2,496.74	2,484.30	12.44	200.750	
1,800.00	1,792.58	2,032.78	2,027.49	6.47	7.16	174.38	190.86	2,352.61	2,499.51	2,486.34	13.16	189.891	
1,900.00	1,891.73	2,132.68	2,126.84	6.87	7.55	174.46	187.85	2,342.61	2,502.28	2,488.39	13.89	180.150	
2,000.00	1,990.87	2,232.59	2,226.20	7.28	7.94	174.54	184.84	2,332.62	2,505.06	2,490.44	14.62	171.366	
2,100.00	2,090.02	2,332.49	2,325.56	7.69	8.32	174.62	181.82	2,322.62	2,507.84	2,492.49	15.35	163.405	
2,200.00	2,189.16	2,432.40	2,424.91	8.10	8.71	174.69	178.81	2,312.62	2,510.63	2,494.55	16.08	156.159	
2,300.00	2,288.31	2,532.30	2,524.27	8.51	9.10	174.77	175.80	2,302.62	2,513.42	2,496.61	16.81	149.536	
2,400.00	2,387.45	2,632.20	2,623.63	8.91	9.49	174.85	172.79	2,292.62	2,516.21	2,498.67	17.54	143.460	
2,500.00	2,486.60	2,732.11	2,722.98	9.32	9.88	174.92	169.78	2,282.62	2,519.01	2,500.74	18.27	137.867	
2,600.00	2,585.74	2,832.01	2,822.34	9.74	10.27	175.00	166.77	2,272.62	2,521.82	2,502.81	19.00	132.701	
2,700.00	2,684.89	2,931.91	2,921.70	10.15	10.66	175.08	163.75	2,262.62	2,524.63	2,504.89	19.74	127.916	
2,800.00	2,784.03	3,031.82	3,021.05	10.56	11.05	175.15	160.74	2,252.62	2,527.44	2,506.97	20.47	123.471	
2,900.00	2,883.17	3,131.72	3,120.41	10.97	11.44	175.23	157.73	2,242.62	2,530.26	2,509.05	21.20	119.332	
3,000.00	2,982.32	3,231.63	3,219.76	11.38	11.84	175.31	154.72	2,232.63	2,533.08	2,511.14	21.94	115.468	
3,100.00	3,081.46	3,331.53	3,319.12	11.79	12.23	175.38	151.71	2,222.63	2,535.91	2,513.24	22.67	111.852	
3,200.00	3,180.61	3,431.43	3,418.48	12.21	12.62	175.46	148.69	2,212.63	2,538.74	2,515.33	23.41	108.463	
3,300.00	3,279.75	3,531.34	3,517.83	12.62	13.01	175.53	145.68	2,202.63	2,541.58	2,517.43	24.14	105.279	
3,400.00	3,378.90	3,631.24	3,617.19	13.03	13.41	175.61	142.67	2,192.63	2,544.42	2,519.54	24.88	102.282	
3,500.00	3,478.04	3,731.14	3,716.55	13.45	13.80	175.68	139.66	2,182.63	2,547.26	2,521.65	25.61	99.457	
3,600.00	3,577.19	3,831.05	3,815.90	13.86	14.19	175.76	136.65	2,172.63	2,550.11	2,523.76	26.35	96.788	
3,700.00	3,676.33	3,930.95	3,915.26	14.27	14.59	175.83	133.64	2,162.63	2,552.96	2,525.88	27.08	94.264	
3,800.00	3,775.47	4,030.85	4,014.62	14.69	14.98	175.91	130.62	2,152.63	2,555.82	2,528.00	27.82	91.873	
3,900.00	3,874.62	4,130.76	4,113.97	15.10	15.38	175.98	127.61	2,142.63	2,558.68	2,530.13	28.56	89.605	
4,000.00	3,973.76	4,230.66	4,213.33	15.51	15.77	176.06	124.60	2,132.63	2,561.55	2,532.26	29.29	87.451	
4,100.00	4,072.91	4,330.57	4,312.69	15.93	16.16	176.13	121.59	2,122.64	2,564.42	2,534.39	30.03	85.402	
4,200.00	4,172.05	4,430.47	4,412.04	16.34	16.56	176.20	118.58	2,112.64	2,567.30	2,536.53	30.76	83.451	
4,300.00	4,271.20	4,530.37	4,511.40	16.76	16.95	176.28	115.57	2,102.64	2,570.18	2,538.68	31.50	81.590	
4,400.00	4,370.34	4,630.28	4,610.76	17.17	17.35	176.35	112.55	2,092.64	2,573.06	2,540.82	32.24	79.815	
4,500.00	4,469.49	4,730.18	4,710.11	17.59	17.74	176.43	109.54	2,082.64	2,575.95	2,542.97	32.97	78.119	
4,600.00	4,568.63	4,830.08	4,809.47	18.00	18.13	176.50	106.53	2,072.64	2,578.84	2,545.13	33.71	76.496	
4,700.00	4,667.77	4,929.99	4,908.82	18.41	18.53	176.57	103.52	2,062.64	2,581.74	2,547.29	34.45	74.943	
4,800.00	4,766.92	5,029.89	5,008.18	18.83	18.92	176.65	100.51	2,052.64	2,584.64	2,549.45	35.19	73.455	
4,900.00	4,866.06	5,129.80	5,107.54	19.24	19.32	176.72	97.49	2,042.64	2,587.54	2,551.62	35.92	72.028	
5,000.00	4,965.21	5,229.70	5,206.89	19.66	19.71	176.79	94.48	2,032.64	2,590.45	2,553.79	36.66	70.659	
5,100.00	5,064.35	5,329.60	5,306.25	20.07	20.11	176.86	91.47	2,022.65	2,593.36	2,555.96	37.40	69.343	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,429.51	5,405.61	20.49	20.45	176.94	88.46	2,012.65	2,596.28	2,558.20	38.08	68.174	
5,300.00	5,262.64	5,529.41	5,504.96	20.90	20.63	177.01	85.45	2,002.65	2,599.20	2,560.61	38.59	67.358	
5,400.00	5,361.79	5,629.31	5,604.32	21.32	20.69	177.08	82.44	1,992.65	2,602.13	2,563.16	38.97	66.771	
5,500.00	5,460.93	5,729.22	5,703.68	21.57	20.75	177.15	79.42	1,982.65	2,605.06	2,565.88	39.18	66.493	
5,600.00	5,560.08	5,829.12	5,803.03	21.65	20.83	177.22	76.41	1,972.65	2,607.99	2,568.78	39.21	66.510	
5,700.00	5,659.22	5,929.03	5,902.39	21.74	20.91	177.29	73.40	1,962.65	2,610.93	2,571.67	39.26	66.503	
5,800.00	5,758.36	6,028.93	6,001.75	21.84	21.00	177.37	70.39	1,952.65	2,613.87	2,574.55	39.32	66.473	
5,900.00	5,857.51	6,128.83	6,101.10	21.95	21.09	177.44	67.38	1,942.65	2,616.82	2,577.42	39.40	66.420	
6,000.00	5,956.65	6,228.74	6,200.46	22.06	21.19	177.51	64.37	1,932.65	2,619.77	2,580.28	39.49	66.344	
6,100.00	6,055.80	6,328.64	6,299.81	22.18	21.30	177.58	61.35	1,922.65	2,622.72	2,583.13	39.59	66.246	
6,200.00	6,154.94	6,428.54	6,399.17	22.31	21.42	177.65	58.34	1,912.66	2,625.68	2,585.97	39.71	66.125	
6,300.00	6,254.09	6,528.45	6,498.53	22.45	21.54	177.72	55.33	1,902.66	2,628.64	2,588.80	39.84	65.984	
6,400.00	6,353.23	6,628.35	6,597.88	22.59	21.67	177.79	52.32	1,892.66	2,631.61	2,591.62	39.98	65.821	
6,500.00	6,452.38	6,728.26	6,697.24	22.74	21.81	177.86	49.31	1,882.66	2,634.58	2,594.44	40.14	65.638	
6,600.00	6,551.52	6,828.16	6,796.60	22.89	21.95	177.93	46.30	1,872.66	2,637.55	2,597.24	40.31	65.436	
6,700.00	6,650.66	6,928.06	6,895.95	23.06	22.10	178.00	43.28	1,862.66	2,640.53	2,600.04	40.49	65.214	
6,800.00	6,749.81	7,027.97	6,995.31	23.22	22.25	178.07	40.27	1,852.66	2,643.51	2,602.82	40.69	64.975	
6,900.00	6,848.95	7,127.87	7,094.67	23.40	22.41	178.14	37.26	1,842.66	2,646.49	2,605.60	40.89	64.718	
7,000.00	6,948.10	7,227.77	7,194.02	23.58	22.58	178.21	34.25	1,832.66	2,649.48	2,608.37	41.11	64.445	
7,100.00	7,047.24	7,327.68	7,293.38	23.77	22.75	178.28	31.24	1,822.66	2,652.48	2,611.13	41.34	64.155	
7,200.00	7,146.39	7,427.58	7,392.74	23.96	22.93	178.35	28.22	1,812.67	2,655.47	2,613.89	41.59	63.851	
7,300.00	7,245.53	7,527.49	7,492.09	24.16	23.11	178.42	25.21	1,802.67	2,658.48	2,616.63	41.84	63.532	
7,400.00	7,344.68	7,627.39	7,591.45	24.36	23.30	178.49	22.20	1,792.67	2,661.48	2,619.37	42.11	63.201	
7,500.00	7,443.82	7,727.29	7,690.80	24.57	23.49	178.56	19.19	1,782.67	2,664.49	2,622.10	42.39	62.856	
7,600.00	7,542.97	7,827.20	7,790.16	24.78	23.69	178.62	16.18	1,772.67	2,667.50	2,624.82	42.68	62.500	
7,700.00	7,642.11	7,927.10	7,889.52	25.00	23.89	178.69	13.17	1,762.67	2,670.52	2,627.54	42.98	62.134	
7,800.00	7,741.25	8,027.00	7,988.87	25.23	24.10	178.76	10.15	1,752.67	2,673.54	2,630.25	43.29	61.757	
7,900.00	7,840.40	8,126.91	8,088.23	25.45	24.31	178.83	7.14	1,742.67	2,676.56	2,632.95	43.61	61.371	
8,000.00	7,939.54	8,226.81	8,187.59	25.69	24.53	178.90	4.13	1,732.67	2,679.59	2,635.65	43.94	60.977	
8,100.00	8,038.69	8,300.00	8,260.39	25.93	24.69	178.94	1.97	1,725.52	2,682.93	2,638.69	44.24	60.648	
8,199.68	8,137.51	8,360.54	8,320.70	26.17	24.82	178.98	0.46	1,720.47	2,687.64	2,643.13	44.51	60.383	
8,300.00	8,237.14	8,420.31	8,380.32	26.40	24.94	179.01	-0.77	1,716.39	2,692.58	2,647.80	44.78	60.130	
8,400.00	8,336.72	8,479.89	8,439.80	26.62	25.05	179.03	-1.73	1,713.21	2,696.38	2,651.33	45.04	59.860	
8,500.00	8,436.50	8,539.47	8,499.33	26.82	25.16	179.05	-2.42	1,710.92	2,699.06	2,653.75	45.31	59.575	
8,600.00	8,536.42	8,600.00	8,559.85	27.00	25.27	179.06	-2.85	1,709.50	2,700.62	2,655.05	45.56	59.270	
8,699.68	8,636.09	8,663.15	8,623.00	27.16	25.38	89.64	-3.00	1,709.00	2,701.07	2,655.25	45.82	58.952	
8,735.98	8,672.39	8,708.46	8,651.39	27.21	25.45	89.64	-3.00	1,709.00	2,701.05	2,655.10	45.95	58.783	
8,800.00	8,736.41	8,755.56	8,715.41	27.31	25.52	89.64	-3.00	1,709.00	2,701.05	2,654.91	46.14	58.540	
8,900.00	8,836.41	8,855.56	8,815.41	27.46	25.68	89.64	-3.00	1,709.00	2,701.05	2,654.56	46.49	58.100	
9,000.00	8,936.41	8,955.56	8,915.41	27.62	25.84	89.64	-3.00	1,709.00	2,701.05	2,654.21	46.85	57.656	
9,100.00	9,036.41	9,055.56	9,015.41	27.78	26.00	89.64	-3.00	1,709.00	2,701.05	2,653.84	47.21	57.209	
9,200.00	9,136.41	9,155.56	9,115.41	27.94	26.17	89.64	-3.00	1,709.00	2,701.05	2,653.47	47.59	56.759	
9,300.00	9,236.41	9,255.56	9,215.41	28.11	26.35	89.64	-3.00	1,709.00	2,701.05	2,653.08	47.97	56.307	
9,400.00	9,336.41	9,355.56	9,315.41	28.28	26.53	89.64	-3.00	1,709.00	2,701.05	2,652.69	48.36	55.853	
9,500.00	9,436.41	9,455.56	9,415.41	28.45	26.71	89.64	-3.00	1,709.00	2,701.05	2,652.30	48.76	55.399	
9,600.00	9,536.41	9,555.56	9,515.41	28.63	26.89	89.64	-3.00	1,709.00	2,701.05	2,651.89	49.16	54.943	
9,700.00	9,636.41	9,655.56	9,615.41	28.81	27.08	89.64	-3.00	1,709.00	2,701.05	2,651.48	49.57	54.487	
9,800.00	9,736.41	9,755.56	9,715.41	29.00	27.27	89.64	-3.00	1,709.00	2,701.05	2,651.06	49.99	54.032	
9,900.00	9,836.41	9,855.56	9,815.41	29.18	27.47	89.64	-3.00	1,709.00	2,701.05	2,650.64	50.42	53.576	
10,000.00	9,936.41	9,955.56	9,915.41	29.37	27.66	89.64	-3.00	1,709.00	2,701.05	2,650.21	50.85	53.122	
10,100.00	10,036.41	10,055.56	10,015.41	29.57	27.86	89.64	-3.00	1,709.00	2,701.05	2,649.77	51.28	52.688	
10,200.00	10,136.41	10,155.56	10,115.41	29.77	28.07	89.64	-3.00	1,709.00	2,701.05	2,649.33	51.73	52.216	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,236.41	10,255.56	10,215.41	29.97	28.28	89.64	-3.00	1,709.00	2,701.05	2,648.88	52.18	51.766	
10,400.00	10,336.41	10,355.56	10,315.41	30.17	28.49	89.64	-3.00	1,709.00	2,701.05	2,648.42	52.63	51.317	
10,500.00	10,436.41	10,455.56	10,415.41	30.37	28.70	89.64	-3.00	1,709.00	2,701.05	2,647.96	53.10	50.871	
10,600.00	10,536.41	10,555.56	10,515.41	30.58	28.92	89.64	-3.00	1,709.00	2,701.05	2,647.49	53.56	50.427	
10,700.00	10,636.41	10,655.56	10,615.41	30.79	29.14	89.64	-3.00	1,709.00	2,701.05	2,647.02	54.04	49.986	
10,800.00	10,736.41	10,755.56	10,715.41	31.01	29.36	89.64	-3.00	1,709.00	2,701.05	2,646.54	54.51	49.547	
10,900.00	10,836.41	10,855.56	10,815.41	31.22	29.58	89.64	-3.00	1,709.00	2,701.05	2,646.06	55.00	49.112	
11,000.00	10,936.41	10,955.56	10,915.41	31.44	29.81	89.64	-3.00	1,709.00	2,701.05	2,645.57	55.49	48.679	
11,100.00	11,036.41	11,055.56	11,015.41	31.67	30.04	89.64	-3.00	1,709.00	2,701.05	2,645.07	55.98	48.250	
11,200.00	11,136.41	11,155.56	11,115.41	31.89	30.27	89.64	-3.00	1,709.00	2,701.05	2,644.58	56.48	47.825	
11,300.00	11,236.41	11,255.56	11,215.41	32.12	30.51	89.64	-3.00	1,709.00	2,701.05	2,644.07	56.98	47.402	
11,400.00	11,336.41	11,355.56	11,315.41	32.35	30.74	89.64	-3.00	1,709.00	2,701.05	2,643.56	57.49	46.984	
11,500.00	11,436.41	11,455.56	11,415.41	32.58	30.98	89.64	-3.00	1,709.00	2,701.05	2,643.05	58.00	46.569	
11,600.00	11,536.41	11,555.56	11,515.41	32.81	31.22	89.64	-3.00	1,709.00	2,701.05	2,642.54	58.52	46.159	
11,700.00	11,636.41	11,655.56	11,615.41	33.05	31.47	89.64	-3.00	1,709.00	2,701.05	2,642.02	59.04	45.752	
11,800.00	11,736.41	11,755.56	11,715.41	33.28	31.71	89.64	-3.00	1,709.00	2,701.05	2,641.49	59.56	45.349	
11,900.00	11,836.41	11,855.56	11,815.41	33.53	31.96	89.64	-3.00	1,709.00	2,701.05	2,640.95	60.09	44.950	
11,914.77	11,851.18	11,870.33	11,830.18	33.56	32.00	89.64	-3.00	1,709.00	2,701.05	2,640.89	60.17	44.892	
12,000.00	11,936.41	11,955.54	11,915.38	33.77	32.21	89.64	-2.97	1,709.00	2,701.05	2,640.43	60.62	44.556	
12,100.00	12,036.41	12,053.89	12,013.17	34.01	32.45	89.44	6.37	1,708.95	2,701.08	2,639.95	61.13	44.185	
12,198.59	12,135.00	12,145.24	12,101.34	34.25	32.64	88.94	29.89	1,708.83	2,701.32	2,639.73	61.59	43.863	
12,200.00	12,136.41	12,146.48	12,102.51	34.26	32.64	89.18	30.31	1,708.83	2,701.32	2,639.73	61.59	43.859	
12,250.00	12,186.34	12,190.15	12,143.04	34.38	32.72	88.85	46.53	1,708.74	2,701.61	2,639.80	61.81	43.711	
12,300.00	12,235.88	12,232.88	12,181.39	34.51	32.79	88.53	65.35	1,708.64	2,701.97	2,639.95	62.02	43.569	
12,350.00	12,284.65	12,274.78	12,217.53	34.63	32.86	88.21	86.53	1,708.53	2,702.40	2,640.18	62.22	43.432	
12,400.00	12,332.29	12,315.93	12,251.43	34.75	32.92	87.91	109.84	1,708.41	2,702.89	2,640.47	62.42	43.299	
12,450.00	12,378.42	12,356.41	12,283.06	34.87	32.97	87.62	135.09	1,708.28	2,703.42	2,640.79	62.62	43.169	
12,500.00	12,422.70	12,396.31	12,312.41	34.98	33.02	87.35	162.10	1,708.14	2,703.97	2,641.15	62.82	43.040	
12,550.00	12,464.79	12,435.68	12,339.47	35.09	33.06	87.09	190.69	1,707.99	2,704.54	2,641.52	63.03	42.911	
12,600.00	12,504.37	12,474.59	12,364.21	35.20	33.10	86.85	220.71	1,707.83	2,705.11	2,641.88	63.23	42.780	
12,650.00	12,541.14	12,513.09	12,386.64	35.30	33.13	86.63	252.00	1,707.66	2,705.67	2,642.22	63.45	42.645	
12,700.00	12,574.82	12,550.00	12,406.12	35.41	33.17	86.43	283.34	1,707.50	2,706.19	2,642.54	63.66	42.511	
12,750.00	12,605.15	12,589.10	12,424.51	35.52	33.21	86.25	317.84	1,707.32	2,706.68	2,642.79	63.89	42.364	
12,800.00	12,631.90	12,626.69	12,439.93	35.63	33.25	86.09	352.12	1,707.14	2,707.12	2,642.99	64.13	42.214	
12,850.00	12,654.87	12,664.07	12,453.01	35.75	33.29	85.96	387.13	1,706.96	2,707.50	2,643.12	64.38	42.056	
12,900.00	12,673.88	12,700.00	12,463.40	35.87	33.34	85.86	421.51	1,706.78	2,707.81	2,643.17	64.63	41.894	
12,950.00	12,688.80	12,738.34	12,472.08	36.01	37.38	85.77	458.85	1,706.58	2,708.04	2,643.15	64.89	41.732	
12,998.59	12,699.25	12,781.76	12,479.72	36.15	38.66	85.73	501.59	1,706.36	2,708.14	2,642.97	65.16	41.558	
13,000.00	12,699.50	12,782.99	12,479.92	36.15	38.66	85.73	502.80	1,706.35	2,708.14	2,642.97	65.17	41.553	
13,008.62	12,700.99	12,790.47	12,481.13	37.87	38.67	85.72	510.18	1,706.31	2,708.14	2,642.92	65.22	41.525	
13,023.59	12,703.59	12,803.47	12,483.10	41.04	38.68	85.72	523.03	1,706.24	2,708.14	2,642.85	65.30	41.474	
13,050.00	12,707.82	12,826.38	12,486.13	41.08	38.70	85.71	545.74	1,706.10	2,708.16	2,642.73	65.43	41.390	
13,100.00	12,713.84	12,869.72	12,490.38	41.16	38.74	85.70	588.86	1,705.80	2,708.19	2,642.48	65.71	41.216	
13,150.00	12,717.26	12,913.03	12,492.67	41.25	38.79	85.69	632.11	1,705.47	2,708.21	2,642.20	66.02	41.024	
13,190.34	12,718.11	12,948.90	12,493.11	41.33	38.83	85.68	667.97	1,705.16	2,708.22	2,641.93	66.30	40.850	
13,200.00	12,718.11	12,958.56	12,493.11	41.35	38.84	85.68	677.63	1,705.07	2,708.22	2,641.85	66.37	40.802	
13,300.00	12,718.10	13,058.56	12,493.10	41.56	38.97	85.68	777.63	1,704.18	2,708.21	2,640.95	67.26	40.263	
13,400.00	12,718.10	13,158.56	12,493.10	41.82	39.13	85.68	877.63	1,703.29	2,708.20	2,639.90	68.29	39.655	
13,500.00	12,718.10	13,258.56	12,493.10	42.11	39.31	85.68	977.62	1,702.40	2,708.19	2,638.72	69.47	38.984	
13,600.00	12,718.10	13,358.56	12,493.10	42.44	39.53	85.68	1,077.62	1,701.52	2,708.18	2,637.40	70.78	38.263	
13,700.00	12,718.09	13,458.56	12,493.09	42.83	39.79	85.68	1,177.62	1,700.63	2,708.16	2,635.95	72.22	37.501	
13,800.00	12,718.09	13,558.56	12,493.09	43.28	40.11	85.68	1,277.61	1,699.74	2,708.15	2,634.38	73.77	36.709	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

Survey Program: 0-MWD - OWSG, 5481-MWD - OWSG, 12750-MWD - OWSG — **Offset Well Error:** 0.00 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.00	12,718.09	13,658.56	12,493.09	43.79	40.49	85.68	1,377.61	1,698.85	2,708.14	2,632.70	75.45	35.895	
14,000.00	12,718.09	13,758.56	12,493.09	44.37	40.96	85.68	1,477.60	1,697.96	2,708.13	2,630.91	77.22	35.069	
14,100.00	12,718.08	13,858.56	12,493.08	45.02	41.50	85.68	1,577.60	1,697.07	2,708.12	2,629.02	79.10	34.237	
14,200.00	12,718.08	13,958.56	12,493.08	45.74	42.14	85.68	1,677.60	1,696.18	2,708.11	2,627.04	81.07	33.405	
14,300.00	12,718.08	14,058.56	12,493.08	46.52	42.87	85.68	1,777.59	1,695.29	2,708.10	2,624.97	83.12	32.579	
14,400.00	12,718.08	14,158.56	12,493.08	47.37	43.68	85.68	1,877.59	1,694.41	2,708.08	2,622.83	85.26	31.764	
14,500.00	12,718.07	14,258.56	12,493.07	48.28	44.57	85.68	1,977.58	1,693.52	2,708.07	2,620.61	87.46	30.962	
14,600.00	12,718.07	14,358.56	12,493.07	49.25	45.53	85.68	2,077.58	1,692.63	2,708.06	2,618.32	89.74	30.177	
14,700.00	12,718.07	14,458.56	12,493.07	50.26	46.54	85.68	2,177.58	1,691.74	2,708.05	2,615.97	92.08	29.411	
14,800.00	12,718.07	14,558.56	12,493.07	51.32	47.61	85.68	2,277.57	1,690.85	2,708.04	2,613.57	94.47	28.665	
14,900.00	12,718.06	14,658.56	12,493.06	52.42	48.72	85.68	2,377.57	1,689.96	2,708.03	2,611.10	96.92	27.940	
15,000.00	12,718.06	14,758.56	12,493.06	53.56	49.87	85.68	2,477.56	1,689.07	2,708.02	2,608.59	99.42	27.237	
15,100.00	12,718.06	14,858.56	12,493.06	54.74	51.05	85.68	2,577.56	1,688.18	2,708.00	2,606.04	101.97	26.557	
15,200.00	12,718.06	14,958.56	12,493.06	55.94	52.27	85.68	2,677.56	1,687.30	2,707.99	2,603.43	104.56	25.899	
15,300.00	12,718.05	15,058.56	12,493.05	57.17	53.52	85.68	2,777.55	1,686.41	2,707.98	2,600.79	107.19	25.264	
15,400.00	12,718.05	15,158.56	12,493.05	58.43	54.79	85.68	2,877.55	1,685.52	2,707.97	2,598.12	109.85	24.651	
15,500.00	12,718.05	15,258.56	12,493.05	59.71	56.09	85.68	2,977.54	1,684.63	2,707.96	2,595.40	112.55	24.059	
15,600.00	12,718.05	15,358.56	12,493.05	61.02	57.41	85.68	3,077.54	1,683.74	2,707.95	2,592.66	115.29	23.489	
15,700.00	12,718.04	15,458.56	12,493.04	62.34	58.74	85.68	3,177.54	1,682.85	2,707.94	2,589.89	118.05	22.939	
15,800.00	12,718.04	15,558.56	12,493.04	63.68	60.10	85.68	3,277.53	1,681.96	2,707.92	2,587.09	120.84	22.409	
15,900.00	12,718.04	15,658.56	12,493.04	65.04	61.47	85.68	3,377.53	1,681.07	2,707.91	2,584.26	123.65	21.899	
16,000.00	12,718.04	15,758.56	12,493.04	66.41	62.86	85.68	3,477.52	1,680.19	2,707.90	2,581.41	126.49	21.407	
16,100.00	12,718.03	15,858.56	12,493.03	67.80	64.26	85.68	3,577.52	1,679.30	2,707.89	2,578.53	129.36	20.934	
16,200.00	12,718.03	15,958.56	12,493.03	69.20	65.67	85.68	3,677.52	1,678.41	2,707.88	2,575.64	132.24	20.477	
16,300.00	12,718.03	16,058.56	12,493.03	70.61	67.10	85.68	3,777.51	1,677.52	2,707.87	2,572.73	135.14	20.037	
16,400.00	12,718.03	16,158.56	12,493.03	72.04	68.53	85.68	3,877.51	1,676.63	2,707.86	2,569.79	138.06	19.613	
16,500.00	12,718.02	16,258.56	12,493.02	73.47	69.98	85.68	3,977.50	1,675.74	2,707.84	2,566.84	141.00	19.205	
16,600.00	12,718.02	16,358.56	12,493.02	74.92	71.44	85.68	4,077.50	1,674.85	2,707.83	2,563.88	143.95	18.810	
16,700.00	12,718.02	16,458.56	12,493.02	76.37	72.90	85.68	4,177.50	1,673.96	2,707.82	2,560.90	146.92	18.430	
16,800.00	12,718.02	16,558.56	12,493.02	77.83	74.38	85.68	4,277.49	1,673.07	2,707.81	2,557.90	149.91	18.063	
16,900.00	12,718.01	16,658.56	12,493.01	79.31	75.86	85.68	4,377.49	1,672.19	2,707.80	2,554.89	152.91	17.709	
17,000.00	12,718.01	16,758.56	12,493.01	80.79	77.35	85.68	4,477.48	1,671.30	2,707.79	2,551.87	155.92	17.367	
17,100.00	12,718.01	16,858.56	12,493.01	82.27	78.85	85.68	4,577.48	1,670.41	2,707.78	2,548.84	158.94	17.037	
17,200.00	12,718.01	16,958.56	12,493.01	83.77	80.35	85.68	4,677.48	1,669.52	2,707.76	2,545.79	161.97	16.717	
17,300.00	12,718.01	17,058.56	12,493.00	85.27	81.86	85.68	4,777.47	1,668.63	2,707.75	2,542.74	165.02	16.409	
17,400.00	12,718.00	17,158.56	12,493.00	86.77	83.38	85.68	4,877.47	1,667.74	2,707.74	2,539.67	168.07	16.111	
17,487.74	12,718.00	17,246.30	12,493.00	88.10	84.71	85.68	4,965.20	1,666.96	2,707.73	2,536.97	170.76	15.857 SF	
17,491.53	12,718.00	17,242.10	12,493.00	88.16	84.65	85.68	4,961.00	1,667.00	2,707.74	2,537.05	170.69	15.863	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.49	241.00	4,424.00	4,432.61				
100.00	100.00	47.00	47.00	0.13	0.06	86.49	241.00	4,424.00	4,432.29	4,432.11	0.19	N/A	
200.00	200.00	147.00	147.00	0.49	0.30	86.49	241.00	4,424.00	4,432.29	4,431.51	0.78	5,671.750	
300.00	300.00	247.00	247.00	0.84	0.65	86.49	241.00	4,424.00	4,432.29	4,430.79	1.50	2,957.995	
400.00	400.00	347.00	347.00	1.20	1.01	86.49	241.00	4,424.00	4,432.29	4,430.08	2.22	2,000.715	
500.00	500.00	447.00	447.00	1.56	1.37	86.49	241.00	4,424.00	4,432.29	4,429.36	2.93	1,511.543	
600.00	600.00	547.00	547.00	1.92	1.73	86.49	241.00	4,424.00	4,432.29	4,428.64	3.65	1,214.579	
700.00	699.99	1,178.89	1,176.89	2.27	3.99	176.03	230.73	4,383.12	4,424.03	4,417.83	6.20	714.114	
800.00	799.91	1,278.53	1,275.79	2.62	4.37	176.07	227.76	4,371.35	4,415.95	4,409.06	6.89	641.056	
900.00	899.69	1,378.34	1,374.85	2.97	4.76	176.11	224.80	4,359.55	4,410.48	4,402.88	7.59	580.808	
1,000.00	999.27	1,478.25	1,474.02	3.33	5.15	176.15	221.83	4,347.74	4,407.62	4,399.31	8.31	530.715	
1,059.45	1,058.34	1,537.67	1,533.00	3.55	5.38	176.18	220.07	4,340.72	4,407.15	4,398.42	8.73	504.757 CC	
1,100.00	1,098.57	1,578.20	1,573.23	3.70	5.54	176.19	218.86	4,335.93	4,407.37	4,398.35	9.02	488.511	
1,200.00	1,197.72	1,678.14	1,672.43	4.09	5.94	176.23	215.89	4,324.12	4,408.43	4,398.69	9.74	452.464	
1,300.00	1,296.86	1,778.09	1,771.63	4.48	6.34	176.28	212.92	4,312.30	4,409.49	4,399.03	10.47	421.271	
1,400.00	1,396.01	1,878.03	1,870.82	4.87	6.74	176.32	209.95	4,300.49	4,410.56	4,399.37	11.19	394.029	
1,500.00	1,495.15	1,977.98	1,970.02	5.27	7.14	176.36	206.98	4,288.68	4,411.63	4,399.70	11.92	370.047	
1,600.00	1,594.30	2,077.92	2,069.22	5.66	7.54	176.40	204.02	4,276.86	4,412.70	4,400.05	12.65	348.783	
1,700.00	1,693.44	2,177.86	2,168.42	6.07	7.94	176.44	201.05	4,265.05	4,413.77	4,400.39	13.38	329.806	
1,800.00	1,792.58	2,277.81	2,267.62	6.47	8.34	176.48	198.08	4,253.24	4,414.84	4,400.73	14.12	312.772	
1,900.00	1,891.73	2,377.75	2,366.82	6.87	8.74	176.52	195.11	4,241.43	4,415.92	4,401.07	14.85	297.399	
2,000.00	1,990.87	2,477.70	2,466.02	7.28	9.15	176.56	192.14	4,229.61	4,417.00	4,401.42	15.58	283.459	
2,100.00	2,090.02	2,577.64	2,565.22	7.69	9.55	176.60	189.17	4,217.80	4,418.08	4,401.77	16.32	270.761	
2,200.00	2,189.16	2,677.59	2,664.42	8.10	9.96	176.65	186.20	4,205.99	4,419.17	4,402.11	17.05	259.149	
2,300.00	2,288.31	2,777.53	2,763.62	8.51	10.36	176.69	183.23	4,194.18	4,420.25	4,402.46	17.79	248.490	
2,400.00	2,387.45	2,877.47	2,862.82	8.91	10.77	176.73	180.26	4,182.36	4,421.34	4,402.82	18.52	238.672	
2,500.00	2,486.60	2,977.42	2,962.02	9.32	11.17	176.77	177.29	4,170.55	4,422.43	4,403.17	19.26	229.599	
2,600.00	2,585.74	3,077.36	3,061.22	9.74	11.58	176.81	174.32	4,158.74	4,423.52	4,403.53	20.00	221.191	
2,700.00	2,684.89	3,177.31	3,160.41	10.15	11.99	176.85	171.35	4,146.93	4,424.62	4,403.88	20.74	213.378	
2,800.00	2,784.03	3,277.25	3,259.61	10.56	12.39	176.89	168.38	4,135.11	4,425.72	4,404.24	21.47	206.098	
2,900.00	2,883.17	3,377.20	3,358.81	10.97	12.80	176.93	165.41	4,123.30	4,426.82	4,404.60	22.21	199.299	
3,000.00	2,982.32	3,477.14	3,458.01	11.38	13.20	176.97	162.44	4,111.49	4,427.92	4,404.97	22.95	192.936	
3,100.00	3,081.46	3,577.08	3,557.21	11.79	13.61	177.01	159.48	4,099.67	4,429.02	4,405.33	23.69	186.968	
3,200.00	3,180.61	3,677.03	3,656.41	12.21	14.02	177.05	156.51	4,087.86	4,430.13	4,405.70	24.43	181.359	
3,300.00	3,279.75	3,776.97	3,755.61	12.62	14.43	177.09	153.54	4,076.05	4,431.24	4,406.07	25.17	176.078	
3,400.00	3,378.90	3,876.92	3,854.81	13.03	14.83	177.14	150.57	4,064.24	4,432.35	4,406.44	25.91	171.098	
3,500.00	3,478.04	3,976.86	3,954.01	13.45	15.24	177.18	147.60	4,052.42	4,433.46	4,406.82	26.64	166.392	
3,600.00	3,577.19	4,076.81	4,053.21	13.86	15.65	177.22	144.63	4,040.61	4,434.58	4,407.19	27.38	161.940	
3,700.00	3,676.33	4,176.75	4,152.41	14.27	16.06	177.26	141.66	4,028.80	4,435.69	4,407.57	28.12	157.721	
3,800.00	3,775.47	4,276.69	4,251.61	14.69	16.46	177.30	138.69	4,016.99	4,436.81	4,407.95	28.86	153.718	
3,900.00	3,874.62	4,376.64	4,350.81	15.10	16.87	177.34	135.72	4,005.17	4,437.94	4,408.33	29.60	149.914	
4,000.00	3,973.76	4,476.58	4,450.00	15.51	17.28	177.38	132.75	3,993.36	4,439.06	4,408.72	30.34	146.295	
4,100.00	4,072.91	4,576.53	4,549.20	15.93	17.69	177.42	129.78	3,981.55	4,440.19	4,409.10	31.08	142.848	
4,200.00	4,172.05	4,676.47	4,648.40	16.34	18.09	177.46	126.81	3,969.74	4,441.32	4,409.49	31.82	139.561	
4,300.00	4,271.20	4,776.41	4,747.60	16.76	18.50	177.50	123.84	3,957.92	4,442.45	4,409.88	32.56	136.423	
4,400.00	4,370.34	4,876.36	4,846.80	17.17	18.91	177.54	120.87	3,946.11	4,443.58	4,410.28	33.30	133.425	
4,500.00	4,469.49	4,976.30	4,946.00	17.59	19.32	177.58	117.91	3,934.30	4,444.72	4,410.67	34.04	130.556	
4,600.00	4,568.63	5,076.25	5,045.20	18.00	19.73	177.62	114.94	3,922.48	4,445.85	4,411.07	34.79	127.809	
4,700.00	4,667.77	5,176.19	5,144.40	18.41	20.13	177.66	111.97	3,910.67	4,446.99	4,411.47	35.53	125.176	
4,800.00	4,766.92	5,276.14	5,243.60	18.83	20.54	177.70	109.00	3,898.86	4,448.14	4,411.87	36.27	122.651	
4,900.00	4,866.06	5,376.08	5,342.80	19.24	20.95	177.74	106.03	3,887.05	4,449.28	4,412.27	37.01	120.227	
5,000.00	4,965.21	5,476.02	5,442.00	19.66	21.23	177.76	103.06	3,875.23	4,450.43	4,412.82	37.61	118.333	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.00	5,064.35	5,575.97	5,541.20	20.07	21.35	177.82	100.09	3,863.42	4,451.57	4,413.54	38.03	117.047	
5,200.00	5,163.50	5,675.91	5,640.40	20.49	21.43	177.86	97.12	3,851.61	4,452.73	4,414.31	38.42	115.901	
5,300.00	5,262.64	5,775.86	5,739.60	20.90	21.52	177.90	94.15	3,839.80	4,453.88	4,415.07	38.81	114.757	
5,400.00	5,361.79	5,875.80	5,838.79	21.32	21.61	177.94	91.18	3,827.98	4,455.03	4,415.82	39.21	113.616	
5,500.00	5,460.93	5,975.75	5,937.99	21.57	21.71	177.99	88.21	3,816.17	4,456.19	4,416.76	39.44	113.001	
5,600.00	5,560.08	6,075.69	6,037.19	21.65	21.82	178.03	85.24	3,804.36	4,457.35	4,417.86	39.49	112.883	
5,700.00	5,659.22	6,175.63	6,136.39	21.74	21.94	178.07	82.27	3,792.55	4,458.51	4,418.96	39.55	112.726	
5,800.00	5,758.36	6,275.58	6,235.59	21.84	22.07	178.11	79.30	3,780.73	4,459.68	4,420.05	39.63	112.531	
5,900.00	5,857.51	6,375.52	6,334.79	21.95	22.20	178.15	76.34	3,768.92	4,460.84	4,421.12	39.72	112.297	
6,000.00	5,956.65	6,475.47	6,433.99	22.06	22.34	178.19	73.37	3,757.11	4,462.01	4,422.18	39.83	112.027	
6,100.00	6,055.80	6,575.41	6,533.19	22.18	22.48	178.23	70.40	3,745.30	4,463.18	4,423.23	39.95	111.720	
6,200.00	6,154.94	6,675.35	6,632.39	22.31	22.63	178.27	67.43	3,733.48	4,464.36	4,424.27	40.08	111.378	
6,300.00	6,254.09	6,775.30	6,731.59	22.45	22.79	178.31	64.46	3,721.67	4,465.53	4,425.30	40.23	111.002	
6,400.00	6,353.23	6,875.24	6,830.79	22.59	22.95	178.35	61.49	3,709.86	4,466.71	4,426.32	40.39	110.592	
6,500.00	6,452.38	6,975.19	6,929.99	22.74	23.12	178.39	58.52	3,698.04	4,467.89	4,427.33	40.56	110.150	
6,600.00	6,551.52	7,075.13	7,029.19	22.89	23.30	178.43	55.55	3,686.23	4,469.07	4,428.32	40.75	109.678	
6,700.00	6,650.66	7,175.08	7,128.38	23.06	23.48	178.47	52.58	3,674.42	4,470.25	4,429.31	40.95	109.177	
6,800.00	6,749.81	7,275.02	7,227.58	23.22	23.67	178.51	49.61	3,662.61	4,471.44	4,430.28	41.16	108.647	
6,900.00	6,848.95	7,374.96	7,326.78	23.40	23.86	178.55	46.64	3,650.79	4,472.63	4,431.25	41.38	108.091	
7,000.00	6,948.10	7,474.91	7,425.98	23.58	24.05	178.59	43.67	3,638.98	4,473.82	4,432.20	41.61	107.510	
7,100.00	7,047.24	7,574.85	7,525.18	23.77	24.25	178.63	40.70	3,627.17	4,475.01	4,433.15	41.86	106.904	
7,200.00	7,146.39	7,674.80	7,624.38	23.96	24.47	178.67	37.73	3,615.36	4,476.20	4,434.09	42.12	106.277	
7,300.00	7,245.53	7,774.74	7,723.58	24.16	24.69	178.71	34.76	3,603.54	4,477.40	4,435.01	42.39	105.629	
7,400.00	7,344.68	7,874.69	7,822.78	24.36	24.90	178.75	31.80	3,591.73	4,478.60	4,435.93	42.67	104.961	
7,500.00	7,443.82	7,974.63	7,921.98	24.57	25.13	178.79	28.83	3,579.92	4,479.80	4,436.84	42.96	104.275	
7,600.00	7,542.97	8,074.57	8,021.18	24.78	25.36	178.83	25.86	3,568.11	4,481.01	4,437.74	43.26	103.573	
7,700.00	7,642.11	8,174.52	8,120.38	25.00	25.59	178.87	22.89	3,556.29	4,482.21	4,438.63	43.58	102.855	
7,800.00	7,741.25	8,274.46	8,219.58	25.23	25.82	178.91	19.92	3,544.48	4,483.42	4,439.52	43.90	102.124	
7,900.00	7,840.40	8,356.61	8,301.12	25.45	26.02	178.94	17.49	3,534.80	4,484.69	4,440.49	44.20	101.454	
8,000.00	7,939.54	8,400.00	8,344.23	25.69	26.12	178.95	16.30	3,530.08	4,486.90	4,442.46	44.44	100.957	
8,100.00	8,038.69	8,449.91	8,393.89	25.93	26.24	178.97	15.08	3,525.24	4,490.29	4,445.59	44.70	100.462	
8,199.68	8,137.51	8,500.00	8,443.79	26.17	26.35	178.99	14.02	3,521.01	4,494.85	4,449.90	44.95	99.995	
8,300.00	8,237.14	8,543.09	8,486.76	26.40	26.44	179.00	13.23	3,517.88	4,499.31	4,454.12	45.19	99.559	
8,400.00	8,336.72	8,600.00	8,543.56	26.62	26.55	179.01	12.38	3,514.47	4,502.35	4,456.89	45.46	99.039	
8,500.00	8,436.50	8,636.28	8,579.80	26.82	26.62	179.02	11.94	3,512.73	4,503.91	4,458.22	45.68	98.590	
8,600.00	8,536.42	8,700.00	8,643.47	27.00	26.74	179.02	11.37	3,510.47	4,504.13	4,458.16	45.96	97.992	
8,699.68	8,636.09	8,729.34	8,672.81	27.16	26.79	89.60	11.20	3,509.78	4,502.78	4,456.62	46.16	97.550	
8,800.00	8,736.41	8,776.11	8,719.57	27.31	26.87	89.60	11.03	3,509.13	4,501.38	4,454.99	46.39	97.040	
8,900.00	8,836.41	8,839.95	8,783.41	27.46	26.97	89.61	11.00	3,509.00	4,501.11	4,454.45	46.65	96.477	
9,000.00	8,936.41	8,939.95	8,883.41	27.62	27.12	89.61	11.00	3,509.00	4,501.11	4,454.10	47.01	95.748	
9,100.00	9,036.41	9,039.95	8,983.41	27.78	27.28	89.61	11.00	3,509.00	4,501.11	4,453.73	47.37	95.014	
9,200.00	9,136.41	9,139.95	9,083.41	27.94	27.44	89.61	11.00	3,509.00	4,501.11	4,453.36	47.74	94.275	
9,300.00	9,236.41	9,239.95	9,183.41	28.11	27.60	89.61	11.00	3,509.00	4,501.11	4,452.98	48.12	93.532	
9,400.00	9,336.41	9,339.95	9,283.41	28.28	27.77	89.61	11.00	3,509.00	4,501.11	4,452.60	48.51	92.786	
9,500.00	9,436.41	9,439.95	9,383.41	28.45	27.95	89.61	11.00	3,509.00	4,501.11	4,452.20	48.90	92.038	
9,600.00	9,536.41	9,539.95	9,483.41	28.63	28.12	89.61	11.00	3,509.00	4,501.11	4,451.80	49.31	91.289	
9,700.00	9,636.41	9,639.95	9,583.41	28.81	28.30	89.61	11.00	3,509.00	4,501.11	4,451.39	49.71	90.538	
9,800.00	9,736.41	9,739.95	9,683.41	29.00	28.48	89.61	11.00	3,509.00	4,501.11	4,450.98	50.13	89.788	
9,900.00	9,836.41	9,839.95	9,783.41	29.18	28.67	89.61	11.00	3,509.00	4,501.11	4,450.55	50.55	89.038	
10,000.00	9,936.41	9,939.95	9,883.41	29.37	28.86	89.61	11.00	3,509.00	4,501.11	4,450.13	50.98	88.289	
10,100.00	10,036.41	10,039.95	9,983.41	29.57	29.05	89.61	11.00	3,509.00	4,501.11	4,449.69	51.42	87.541	
10,200.00	10,136.41	10,139.95	10,083.41	29.77	29.25	89.61	11.00	3,509.00	4,501.11	4,449.25	51.86	86.796	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,300.00	10,236.41	10,239.95	10,183.41	29.97	29.44	89.61	11.00	3,509.00	4,501.11	4,448.80	52.31	86.053	
10,400.00	10,336.41	10,339.95	10,283.41	30.17	29.65	89.61	11.00	3,509.00	4,501.11	4,448.35	52.76	85.313	
10,500.00	10,436.41	10,439.95	10,383.41	30.37	29.85	89.61	11.00	3,509.00	4,501.11	4,447.89	53.22	84.577	
10,600.00	10,536.41	10,539.95	10,483.41	30.58	30.06	89.61	11.00	3,509.00	4,501.11	4,447.42	53.68	83.844	
10,700.00	10,636.41	10,639.95	10,583.41	30.79	30.27	89.61	11.00	3,509.00	4,501.11	4,446.95	54.15	83.116	
10,800.00	10,736.41	10,739.95	10,683.41	31.01	30.48	89.61	11.00	3,509.00	4,501.11	4,446.48	54.63	82.392	
10,900.00	10,836.41	10,839.95	10,783.41	31.22	30.70	89.61	11.00	3,509.00	4,501.11	4,446.00	55.11	81.673	
11,000.00	10,936.41	10,939.95	10,883.41	31.44	30.91	89.61	11.00	3,509.00	4,501.11	4,445.51	55.60	80.958	
11,100.00	11,036.41	11,039.95	10,983.41	31.67	31.14	89.61	11.00	3,509.00	4,501.11	4,445.02	56.09	80.250	
11,200.00	11,136.41	11,139.95	11,083.41	31.89	31.36	89.61	11.00	3,509.00	4,501.11	4,444.52	56.58	79.546	
11,300.00	11,236.41	11,239.95	11,183.41	32.12	31.58	89.61	11.00	3,509.00	4,501.11	4,444.02	57.09	78.849	
11,400.00	11,336.41	11,339.95	11,283.41	32.35	31.81	89.61	11.00	3,509.00	4,501.11	4,443.52	57.59	78.157	
11,500.00	11,436.41	11,439.95	11,383.41	32.58	32.04	89.61	11.00	3,509.00	4,501.11	4,443.01	58.10	77.471	
11,600.00	11,536.41	11,539.95	11,483.41	32.81	32.28	89.61	11.00	3,509.00	4,501.11	4,442.49	58.61	76.792	
11,700.00	11,636.41	11,639.95	11,583.41	33.05	32.51	89.61	11.00	3,509.00	4,501.11	4,441.97	59.13	76.119	
11,800.00	11,736.41	11,739.95	11,683.41	33.28	32.75	89.61	11.00	3,509.00	4,501.11	4,441.45	59.65	75.452	
11,900.00	11,836.41	11,839.95	11,783.41	33.53	32.99	89.61	11.00	3,509.00	4,501.11	4,440.93	60.18	74.792	
12,000.00	11,936.41	11,939.95	11,883.41	33.77	33.23	89.61	11.00	3,509.00	4,501.11	4,440.40	60.71	74.139	
12,100.00	12,036.41	12,037.97	11,981.04	34.01	33.46	89.51	18.28	3,508.96	4,501.13	4,439.90	61.22	73.520	
12,198.59	12,135.00	12,129.59	12,069.95	34.25	33.65	89.24	39.99	3,508.85	4,501.26	4,439.58	61.68	72.973	
12,200.00	12,136.41	12,130.84	12,071.14	34.26	33.65	89.48	40.39	3,508.85	4,501.27	4,439.58	61.69	72.966	
12,250.00	12,186.34	12,174.82	12,112.29	34.38	33.73	89.29	55.88	3,508.77	4,501.43	4,439.52	61.91	72.710	
12,300.00	12,235.88	12,217.91	12,151.33	34.51	33.80	89.11	74.07	3,508.67	4,501.62	4,439.50	62.12	72.464	
12,350.00	12,284.65	12,260.19	12,188.21	34.63	33.86	88.93	94.72	3,508.56	4,501.86	4,439.53	62.33	72.226	
12,400.00	12,332.29	12,301.74	12,222.88	34.75	33.92	88.76	117.62	3,508.44	4,502.12	4,439.58	62.53	71.995	
12,450.00	12,378.42	12,342.66	12,255.31	34.87	33.97	88.60	142.56	3,508.31	4,502.40	4,439.66	62.74	71.767	
12,500.00	12,422.70	12,383.00	12,285.46	34.98	34.02	88.45	169.35	3,508.17	4,502.69	4,439.75	62.94	71.541	
12,550.00	12,464.79	12,422.84	12,313.30	35.09	34.06	88.30	197.83	3,508.02	4,502.98	4,439.84	63.14	71.315	
12,600.00	12,504.37	12,462.23	12,338.83	35.20	34.10	88.17	227.82	3,507.86	4,503.28	4,439.93	63.35	71.086	
12,650.00	12,541.14	12,500.00	12,361.31	35.30	34.14	88.05	258.16	3,507.71	4,503.56	4,440.00	63.56	70.856	
12,700.00	12,574.82	12,539.88	12,382.83	35.41	34.17	87.94	291.72	3,507.53	4,503.82	4,440.04	63.78	70.610	
12,750.00	12,605.15	12,578.24	12,401.28	35.52	34.21	87.84	325.35	3,507.35	4,504.06	4,440.05	64.01	70.362	
12,800.00	12,631.90	12,616.35	12,417.34	35.63	34.24	87.76	359.90	3,507.17	4,504.27	4,440.02	64.26	70.099	
12,850.00	12,654.87	12,654.26	12,430.99	35.75	34.28	87.69	395.25	3,506.99	4,504.45	4,439.94	64.51	69.826	
12,900.00	12,673.88	12,691.99	12,442.24	35.87	34.32	87.63	431.27	3,506.80	4,504.59	4,439.81	64.78	69.539	
12,950.00	12,688.80	12,729.60	12,451.07	36.01	37.63	87.59	467.82	3,506.61	4,504.68	4,439.64	65.04	69.257	
12,998.59	12,699.25	12,772.56	12,458.77	36.15	39.54	87.57	510.08	3,506.39	4,504.71	4,439.39	65.32	68.966	
13,000.00	12,699.50	12,773.97	12,459.02	36.15	39.55	87.57	511.47	3,506.38	4,504.71	4,439.38	65.33	68.958	
13,023.59	12,703.59	12,795.19	12,462.41	41.04	39.57	87.57	532.41	3,506.26	4,504.70	4,439.24	65.45	68.822	
13,050.00	12,707.82	12,819.17	12,465.69	41.08	39.59	87.57	556.17	3,506.12	4,504.69	4,439.10	65.59	68.676	
13,100.00	12,713.84	12,864.55	12,470.26	41.16	39.64	87.56	601.31	3,505.81	4,504.68	4,438.80	65.88	68.376	
13,150.00	12,717.26	12,909.89	12,472.66	41.25	39.70	87.56	646.59	3,505.46	4,504.68	4,438.47	66.20	68.042	
13,160.81	12,717.65	12,919.69	12,472.93	41.27	39.71	87.56	656.38	3,505.38	4,504.67	4,438.39	66.28	67.963	
13,190.34	12,718.11	12,947.30	12,473.11	41.33	39.74	87.56	683.99	3,505.14	4,504.68	4,438.18	66.50	67.742	
13,200.00	12,718.11	12,956.97	12,473.10	41.35	39.76	87.56	693.65	3,505.05	4,504.67	4,438.10	66.58	67.663	
13,300.00	12,718.10	13,056.97	12,473.10	41.56	39.90	87.56	793.65	3,504.16	4,504.66	4,437.20	67.46	66.772	
13,400.00	12,718.10	13,156.97	12,473.10	41.82	40.08	87.56	893.64	3,503.27	4,504.65	4,436.16	68.49	65.767	
13,500.00	12,718.10	13,256.97	12,473.10	42.11	40.29	87.56	993.64	3,502.38	4,504.64	4,434.97	69.67	64.659	
13,600.00	12,718.10	13,356.97	12,473.10	42.44	40.53	87.56	1,093.64	3,501.50	4,504.63	4,433.65	70.98	63.466	
13,700.00	12,718.09	13,456.97	12,473.09	42.83	40.82	87.56	1,193.63	3,500.61	4,504.61	4,432.20	72.41	62.206	
13,800.00	12,718.09	13,556.97	12,473.09	43.28	41.16	87.56	1,293.63	3,499.72	4,504.60	4,430.63	73.97	60.895	
13,900.00	12,718.09	13,656.97	12,473.09	43.79	41.56	87.56	1,393.62	3,498.83	4,504.59	4,428.95	75.64	59.549	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.00	12,718.09	13,756.97	12,473.09	44.37	42.03	87.56	1,493.62	3,497.94	4,504.58	4,427.16	77.42	58.182	
14,100.00	12,718.08	13,856.97	12,473.08	45.02	42.57	87.56	1,593.62	3,497.05	4,504.57	4,425.27	79.30	56.804	
14,200.00	12,718.08	13,956.97	12,473.08	45.74	43.19	87.56	1,693.61	3,496.16	4,504.56	4,423.29	81.27	55.428	
14,300.00	12,718.08	14,056.97	12,473.08	46.52	43.88	87.56	1,793.61	3,495.27	4,504.54	4,421.22	83.32	54.061	
14,400.00	12,718.08	14,156.97	12,473.08	47.37	44.66	87.56	1,893.60	3,494.38	4,504.53	4,419.07	85.46	52.711	
14,500.00	12,718.07	14,256.97	12,473.07	48.29	45.50	87.56	1,993.60	3,493.49	4,504.52	4,416.85	87.67	51.383	
14,600.00	12,718.07	14,356.97	12,473.07	49.25	46.41	87.56	2,093.60	3,492.60	4,504.51	4,414.57	89.94	50.082	
14,700.00	12,718.07	14,456.97	12,473.07	50.26	47.38	87.56	2,193.59	3,491.71	4,504.50	4,412.22	92.28	48.813	
14,800.00	12,718.07	14,556.97	12,473.07	51.32	48.41	87.56	2,293.59	3,490.83	4,504.48	4,409.81	94.68	47.577	
14,900.00	12,718.06	14,656.97	12,473.06	52.42	49.48	87.56	2,393.58	3,489.94	4,504.47	4,407.34	97.13	46.375	
15,000.00	12,718.06	14,756.97	12,473.06	53.56	50.59	87.56	2,493.58	3,489.05	4,504.46	4,404.83	99.63	45.211	
15,100.00	12,718.06	14,856.97	12,473.06	54.74	51.75	87.56	2,593.58	3,488.16	4,504.45	4,402.27	102.18	44.083	
15,200.00	12,718.06	14,956.97	12,473.06	55.94	52.93	87.56	2,693.57	3,487.27	4,504.44	4,399.66	104.77	42.993	
15,300.00	12,718.05	15,056.97	12,473.05	57.17	54.15	87.56	2,793.57	3,486.38	4,504.43	4,397.02	107.40	41.939	
15,400.00	12,718.05	15,156.97	12,473.05	58.43	55.40	87.56	2,893.56	3,485.49	4,504.41	4,394.34	110.07	40.922	
15,500.00	12,718.05	15,256.97	12,473.05	59.71	56.67	87.56	2,993.56	3,484.60	4,504.40	4,391.63	112.78	39.941	
15,600.00	12,718.05	15,356.97	12,473.05	61.02	57.97	87.56	3,093.56	3,483.71	4,504.39	4,388.88	115.51	38.996	
15,700.00	12,718.04	15,456.97	12,473.04	62.34	59.28	87.56	3,193.55	3,482.82	4,504.38	4,386.10	118.27	38.084	
15,800.00	12,718.04	15,556.97	12,473.04	63.68	60.62	87.56	3,293.55	3,481.93	4,504.37	4,383.30	121.07	37.206	
15,900.00	12,718.04	15,656.97	12,473.04	65.04	61.97	87.56	3,393.54	3,481.04	4,504.35	4,380.47	123.89	36.359	
16,000.00	12,718.04	15,756.97	12,473.04	66.41	63.34	87.56	3,493.54	3,480.15	4,504.34	4,377.61	126.73	35.543	
16,100.00	12,718.03	15,856.97	12,473.03	67.80	64.73	87.56	3,593.54	3,479.27	4,504.33	4,374.74	129.59	34.758	
16,200.00	12,718.03	15,956.97	12,473.03	69.20	66.12	87.56	3,693.53	3,478.38	4,504.32	4,371.84	132.48	34.000	
16,300.00	12,718.03	16,056.97	12,473.03	70.61	67.54	87.56	3,793.53	3,477.49	4,504.31	4,368.92	135.38	33.271	
16,400.00	12,718.03	16,156.97	12,473.03	72.04	68.96	87.56	3,893.53	3,476.60	4,504.29	4,365.99	138.31	32.567	
16,500.00	12,718.02	16,256.97	12,473.02	73.47	70.39	87.56	3,993.52	3,475.71	4,504.28	4,363.03	141.25	31.889	
16,600.00	12,718.02	16,356.97	12,473.02	74.92	71.84	87.56	4,093.52	3,474.82	4,504.27	4,360.06	144.21	31.235	
16,700.00	12,718.02	16,456.97	12,473.02	76.37	73.29	87.56	4,193.51	3,473.93	4,504.26	4,357.08	147.18	30.604	
16,800.00	12,718.02	16,556.97	12,473.02	77.83	74.76	87.56	4,293.51	3,473.04	4,504.25	4,354.08	150.17	29.995	
16,900.00	12,718.01	16,656.97	12,473.01	79.31	76.23	87.56	4,393.51	3,472.15	4,504.24	4,351.07	153.17	29.407	
17,000.00	12,718.01	16,756.97	12,473.01	80.79	77.71	87.56	4,493.50	3,471.26	4,504.22	4,348.04	156.18	28.839	
17,100.00	12,718.01	16,856.97	12,473.01	82.27	79.20	87.56	4,593.50	3,470.37	4,504.21	4,345.00	159.21	28.291	
17,200.00	12,718.01	16,956.97	12,473.01	83.77	80.69	87.56	4,693.49	3,469.49	4,504.20	4,341.95	162.25	27.761	
17,300.00	12,718.01	17,056.97	12,473.00	85.27	82.20	87.56	4,793.49	3,468.60	4,504.19	4,338.89	165.29	27.250	
17,400.00	12,718.00	17,156.97	12,473.00	86.77	83.70	87.56	4,893.49	3,467.71	4,504.18	4,335.82	168.35	26.754	
17,480.84	12,718.00	17,237.81	12,473.00	87.99	84.93	87.56	4,974.32	3,466.99	4,504.17	4,333.34	170.83	26.366	
17,491.53	12,718.00	17,236.48	12,473.00	88.16	84.91	87.56	4,973.00	3,467.00	4,504.18	4,333.27	170.91	26.353	ES, SF

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.53	242.00	4,484.00	4,492.55				
100.00	100.00	47.00	47.00	0.13	0.06	86.53	242.00	4,484.00	4,492.24	4,492.06	0.19	N/A	
200.00	200.00	147.00	147.00	0.49	0.30	86.53	242.00	4,484.00	4,492.24	4,491.46	0.78	5,748.464	
300.00	300.00	247.00	247.00	0.84	0.65	86.53	242.00	4,484.00	4,492.24	4,490.74	1.50	2,998.003	
400.00	400.00	347.00	347.00	1.20	1.01	86.53	242.00	4,484.00	4,492.24	4,490.03	2.22	2,027.776	
500.00	500.00	447.00	447.00	1.56	1.37	86.53	242.00	4,484.00	4,492.24	4,489.31	2.93	1,531.987	
600.00	600.00	547.00	547.00	1.92	1.73	86.53	242.00	4,484.00	4,492.24	4,488.59	3.65	1,231.007	CC, ES
700.00	699.99	646.99	646.99	2.27	2.09	175.95	242.00	4,484.00	4,493.55	4,489.19	4.36	1,031.111	
800.00	799.91	746.91	746.91	2.62	2.45	175.95	242.00	4,484.00	4,497.46	4,492.40	5.06	888.337	
900.00	899.69	846.69	846.69	2.97	2.80	175.95	242.00	4,484.00	4,503.99	4,498.22	5.77	780.457	
1,000.00	999.27	946.27	946.27	3.33	3.16	175.95	242.00	4,484.00	4,513.12	4,506.63	6.48	696.340	
1,100.00	1,098.57	1,045.57	1,045.57	3.70	3.52	175.95	242.00	4,484.00	4,524.84	4,517.65	7.19	629.081	
1,200.00	1,197.72	1,144.72	1,144.72	4.09	3.87	175.96	242.00	4,484.00	4,537.86	4,529.96	7.90	574.147	
1,300.00	1,296.86	1,200.00	1,200.00	4.48	4.07	175.96	242.00	4,484.00	4,551.09	4,542.64	8.46	538.164	
1,400.00	1,396.01	1,267.14	1,267.13	4.87	4.30	175.97	241.84	4,484.57	4,565.09	4,556.05	9.05	504.692	
1,500.00	1,495.15	1,300.00	1,299.99	5.27	4.42	175.98	241.65	4,485.26	4,580.37	4,570.85	9.51	481.498	
1,600.00	1,594.30	1,359.66	1,359.61	5.66	4.62	176.00	241.10	4,487.21	4,596.69	4,586.62	10.07	456.526	
1,700.00	1,693.44	1,400.00	1,399.91	6.07	4.76	176.01	240.59	4,489.04	4,614.19	4,603.63	10.56	437.112	
1,800.00	1,792.58	1,451.42	1,451.24	6.47	4.93	176.03	239.78	4,491.97	4,632.79	4,621.71	11.08	418.035	
1,900.00	1,891.73	1,500.00	1,499.69	6.87	5.10	176.05	238.84	4,495.34	4,652.52	4,640.92	11.60	401.200	
2,000.00	1,990.87	1,542.34	1,541.88	7.28	5.25	176.07	237.88	4,498.77	4,673.34	4,661.26	12.09	386.634	
2,100.00	2,090.02	1,600.00	1,599.27	7.69	5.45	176.10	236.38	4,504.16	4,695.30	4,682.67	12.63	371.685	
2,200.00	2,189.16	1,632.31	1,631.39	8.10	5.57	176.11	235.44	4,507.54	4,718.28	4,705.20	13.08	360.681	
2,300.00	2,288.31	1,688.98	1,687.65	8.51	5.77	176.15	233.62	4,514.05	4,742.35	4,728.73	13.62	348.169	
2,400.00	2,387.45	1,785.85	1,783.80	8.91	6.13	176.20	230.45	4,525.42	4,766.74	4,752.42	14.32	332.971	
2,500.00	2,486.60	1,882.72	1,879.95	9.32	6.48	176.26	227.28	4,536.79	4,791.13	4,776.12	15.01	319.091	
2,600.00	2,585.74	1,979.59	1,976.09	9.74	6.85	176.32	224.11	4,548.16	4,815.53	4,799.81	15.72	306.411	
2,700.00	2,684.89	2,076.45	2,072.24	10.15	7.21	176.37	220.94	4,559.53	4,839.93	4,823.51	16.42	294.777	
2,800.00	2,784.03	2,173.32	2,168.39	10.56	7.58	176.43	217.77	4,570.90	4,864.34	4,847.21	17.12	284.069	
2,900.00	2,883.17	2,270.19	2,264.53	10.97	7.95	176.48	214.60	4,582.28	4,888.75	4,870.92	17.83	274.184	
3,000.00	2,982.32	2,367.06	2,360.68	11.38	8.33	176.54	211.43	4,593.65	4,913.16	4,894.63	18.54	265.033	
3,100.00	3,081.46	2,463.93	2,456.83	11.79	8.70	176.59	208.26	4,605.02	4,937.58	4,918.34	19.25	256.539	
3,200.00	3,180.61	2,560.80	2,552.97	12.21	9.08	176.64	205.09	4,616.39	4,962.01	4,942.05	19.96	248.635	
3,300.00	3,279.75	2,657.67	2,649.12	12.62	9.46	176.70	201.92	4,627.76	4,986.43	4,965.77	20.67	241.264	
3,400.00	3,378.90	2,754.54	2,745.27	13.03	9.84	176.75	198.75	4,639.13	5,010.87	4,989.49	21.38	234.374	
3,500.00	3,478.04	2,851.41	2,841.42	13.45	10.22	176.80	195.58	4,650.51	5,035.30	5,013.21	22.09	227.921	
3,600.00	3,577.19	2,948.28	2,937.56	13.86	10.61	176.85	192.41	4,661.88	5,059.74	5,036.93	22.81	221.864	
3,700.00	3,676.33	3,045.14	3,033.71	14.27	10.99	176.90	189.24	4,673.25	5,084.18	5,060.66	23.52	216.169	
3,800.00	3,775.47	3,142.01	3,129.86	14.69	11.37	176.95	186.07	4,684.62	5,108.63	5,084.39	24.23	210.805	
3,900.00	3,874.62	3,238.88	3,226.00	15.10	11.76	177.00	182.90	4,695.99	5,133.08	5,108.13	24.95	205.744	
4,000.00	3,973.76	3,335.75	3,322.15	15.51	12.15	177.05	179.73	4,707.36	5,157.53	5,131.87	25.66	200.962	
4,100.00	4,072.91	3,432.62	3,418.30	15.93	12.53	177.10	176.56	4,718.74	5,181.99	5,155.61	26.38	196.436	
4,200.00	4,172.05	3,529.49	3,514.44	16.34	12.92	177.15	173.39	4,730.11	5,206.45	5,179.35	27.10	192.147	
4,300.00	4,271.20	3,626.36	3,610.59	16.76	13.31	177.20	170.22	4,741.48	5,230.91	5,203.10	27.81	188.076	
4,400.00	4,370.34	3,723.23	3,706.74	17.17	13.70	177.24	167.05	4,752.85	5,255.38	5,226.85	28.53	184.207	
4,500.00	4,469.49	3,820.10	3,802.88	17.59	14.08	177.29	163.88	4,764.22	5,279.85	5,250.60	29.25	180.526	
4,600.00	4,568.63	3,916.96	3,899.03	18.00	14.47	177.34	160.71	4,775.59	5,304.33	5,274.36	29.96	177.020	
4,700.00	4,667.77	4,013.83	3,995.18	18.41	14.86	177.38	157.54	4,786.97	5,328.80	5,298.12	30.68	173.677	
4,800.00	4,766.92	4,110.70	4,091.33	18.83	15.25	177.43	154.37	4,798.34	5,353.28	5,321.88	31.40	170.485	
4,900.00	4,866.06	4,207.57	4,187.47	19.24	15.64	177.48	151.20	4,809.71	5,377.77	5,345.65	32.12	167.435	
5,000.00	4,965.21	4,304.44	4,283.62	19.66	16.03	177.52	148.03	4,821.08	5,402.25	5,369.42	32.84	164.517	
5,100.00	5,064.35	4,401.31	4,379.77	20.07	16.42	177.56	144.86	4,832.45	5,426.74	5,393.19	33.56	161.723	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	4,501.82	4,475.91	20.49	16.83	177.61	141.69	4,843.82	5,451.24	5,416.95	34.29	158.983	
5,300.00	5,262.64	4,604.95	4,572.06	20.90	17.25	177.65	138.52	4,855.20	5,475.73	5,440.70	35.03	156.313	
5,400.00	5,361.79	4,708.08	4,668.21	21.32	17.66	177.70	135.34	4,866.57	5,500.23	5,464.46	35.77	153.753	
5,500.00	5,460.93	4,788.79	4,764.35	21.57	17.99	177.74	132.17	4,877.94	5,524.74	5,488.47	36.26	152.344	
5,600.00	5,560.08	4,885.65	4,860.50	21.65	18.38	177.78	129.00	4,889.31	5,549.24	5,512.61	36.63	151.474	
5,700.00	5,659.22	4,982.52	4,956.65	21.74	18.77	177.82	125.83	4,900.68	5,573.75	5,536.74	37.01	150.594	
5,800.00	5,758.36	5,079.39	5,052.79	21.84	19.17	177.87	122.66	4,912.05	5,598.26	5,560.86	37.40	149.704	
5,900.00	5,857.51	5,176.26	5,148.94	21.95	19.56	177.91	119.49	4,923.43	5,622.77	5,584.99	37.79	148.804	
6,000.00	5,956.65	5,273.13	5,245.09	22.06	19.95	177.95	116.32	4,934.80	5,647.29	5,609.10	38.18	147.897	
6,100.00	6,055.80	5,370.00	5,341.24	22.18	20.34	177.99	113.15	4,946.17	5,671.81	5,633.22	38.59	146.983	
6,200.00	6,154.94	5,466.87	5,437.38	22.31	20.62	178.03	109.98	4,957.54	5,696.33	5,657.45	38.88	146.520	
6,300.00	6,254.09	5,563.74	5,533.53	22.45	20.74	178.07	106.81	4,968.91	5,720.85	5,681.85	39.01	146.664	
6,400.00	6,353.23	5,660.61	5,629.68	22.59	20.81	178.11	103.64	4,980.29	5,745.38	5,706.29	39.09	146.987	
6,500.00	6,452.38	5,757.48	5,725.82	22.74	20.89	178.15	100.47	4,991.66	5,769.91	5,730.73	39.18	147.259	
6,600.00	6,551.52	5,854.34	5,821.97	22.89	20.98	178.19	97.30	5,003.03	5,794.44	5,755.15	39.29	147.481	
6,700.00	6,650.66	5,951.21	5,918.12	23.06	21.07	178.23	94.13	5,014.40	5,818.97	5,779.57	39.41	147.653	
6,800.00	6,749.81	6,048.08	6,014.26	23.22	21.17	178.26	90.96	5,025.77	5,843.51	5,803.97	39.54	147.776	
6,900.00	6,848.95	6,144.95	6,110.41	23.40	21.28	178.30	87.79	5,037.14	5,868.05	5,828.36	39.69	147.850	
7,000.00	6,948.10	6,241.82	6,206.56	23.58	21.39	178.34	84.62	5,048.52	5,892.59	5,852.74	39.85	147.878	
7,100.00	7,047.24	6,338.69	6,302.70	23.77	21.51	178.38	81.45	5,059.89	5,917.14	5,877.12	40.02	147.858	
7,200.00	7,146.39	6,435.56	6,398.85	23.96	21.64	178.41	78.28	5,071.26	5,941.68	5,901.48	40.20	147.794	
7,300.00	7,245.53	6,532.43	6,495.00	24.16	21.77	178.45	75.11	5,082.63	5,966.23	5,925.83	40.40	147.686	
7,400.00	7,344.68	6,629.30	6,591.15	24.36	21.91	178.49	71.94	5,094.00	5,990.78	5,950.18	40.61	147.536	
7,500.00	7,443.82	6,726.17	6,687.29	24.57	22.06	178.52	68.77	5,105.37	6,015.34	5,974.51	40.83	147.344	
7,600.00	7,542.97	6,823.03	6,783.44	24.78	22.21	178.56	65.60	5,116.75	6,039.89	5,998.84	41.06	147.113	
7,700.00	7,642.11	6,919.90	6,879.59	25.00	22.36	178.60	62.43	5,128.12	6,064.45	6,023.15	41.30	146.844	
7,800.00	7,741.25	7,016.77	6,975.73	25.23	22.53	178.63	59.26	5,139.49	6,089.01	6,047.46	41.55	146.538	
7,900.00	7,840.40	7,113.64	7,071.88	25.45	22.70	178.67	56.09	5,150.86	6,113.57	6,071.75	41.82	146.198	
8,000.00	7,939.54	7,210.51	7,168.03	25.69	22.87	178.70	52.92	5,162.23	6,138.14	6,096.04	42.09	145.824	
8,100.00	8,038.69	7,307.38	7,264.17	25.93	23.05	178.73	49.75	5,173.60	6,162.70	6,120.32	42.38	145.418	
8,199.68	8,137.51	7,403.94	7,360.01	26.17	23.24	178.77	46.59	5,184.94	6,187.19	6,144.52	42.67	144.985	
8,300.00	8,237.14	7,501.43	7,456.78	26.40	23.43	178.81	43.40	5,196.38	6,210.56	6,167.58	42.98	144.494	
8,400.00	8,336.72	7,600.81	7,553.81	26.62	23.63	178.85	40.20	5,207.86	6,231.30	6,188.00	43.30	143.918	
8,500.00	8,436.50	7,697.46	7,651.35	26.82	23.83	178.89	36.98	5,219.40	6,249.48	6,205.86	43.62	143.279	
8,600.00	8,536.42	7,803.82	7,749.33	27.00	24.06	178.92	33.75	5,230.99	6,265.07	6,221.11	43.96	142.521	
8,699.68	8,636.09	7,905.05	7,847.36	27.16	24.28	89.54	30.52	5,242.58	6,278.04	6,233.75	44.29	141.733	
8,800.00	8,736.41	8,005.48	7,946.19	27.31	24.51	89.57	27.26	5,254.27	6,289.80	6,245.17	44.63	140.918	
8,900.00	8,836.41	8,834.63	8,783.41	27.46	26.15	89.71	12.00	5,309.00	6,301.08	6,254.60	46.48	135.558	
9,000.00	8,936.41	8,934.63	8,883.41	27.62	26.31	89.71	12.00	5,309.00	6,301.08	6,254.24	46.84	134.527	
9,100.00	9,036.41	9,034.63	8,983.41	27.78	26.47	89.71	12.00	5,309.00	6,301.08	6,253.88	47.20	133.487	
9,200.00	9,136.41	9,134.63	9,083.41	27.94	26.64	89.71	12.00	5,309.00	6,301.08	6,253.51	47.58	132.442	
9,300.00	9,236.41	9,234.63	9,183.41	28.11	26.81	89.71	12.00	5,309.00	6,301.08	6,253.12	47.96	131.391	
9,400.00	9,336.41	9,334.63	9,283.41	28.28	26.98	89.71	12.00	5,309.00	6,301.08	6,252.74	48.34	130.336	
9,500.00	9,436.41	9,434.63	9,383.41	28.45	27.16	89.71	12.00	5,309.00	6,301.08	6,252.34	48.74	129.278	
9,600.00	9,536.41	9,534.63	9,483.41	28.63	27.34	89.71	12.00	5,309.00	6,301.08	6,251.94	49.14	128.218	
9,700.00	9,636.41	9,634.63	9,583.41	28.81	27.53	89.71	12.00	5,309.00	6,301.08	6,251.53	49.55	127.157	
9,800.00	9,736.41	9,734.63	9,683.41	29.00	27.71	89.71	12.00	5,309.00	6,301.08	6,251.11	49.97	126.096	
9,900.00	9,836.41	9,834.63	9,783.41	29.18	27.90	89.71	12.00	5,309.00	6,301.08	6,250.69	50.39	125.036	
10,000.00	9,936.41	9,934.63	9,883.41	29.37	28.10	89.71	12.00	5,309.00	6,301.08	6,250.26	50.82	123.978	
10,100.00	10,036.41	10,034.63	9,983.41	29.57	28.30	89.71	12.00	5,309.00	6,301.08	6,249.82	51.26	122.922	
10,200.00	10,136.41	10,134.63	10,083.41	29.77	28.50	89.71	12.00	5,309.00	6,301.08	6,249.38	51.70	121.869	
10,300.00	10,236.41	10,234.63	10,183.41	29.97	28.70	89.71	12.00	5,309.00	6,301.08	6,248.93	52.15	120.820	

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

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,336.41	10,334.63	10,283.41	30.17	28.91	89.71	12.00	5,309.00	6,301.08	6,248.47	52.61	119.775	
10,500.00	10,436.41	10,434.63	10,383.41	30.37	29.12	89.71	12.00	5,309.00	6,301.08	6,248.01	53.07	118.735	
10,600.00	10,536.41	10,534.63	10,483.41	30.58	29.33	89.71	12.00	5,309.00	6,301.08	6,247.55	53.53	117.701	
10,700.00	10,636.41	10,634.63	10,583.41	30.79	29.54	89.71	12.00	5,309.00	6,301.08	6,247.07	54.01	116.672	
10,800.00	10,736.41	10,734.63	10,683.41	31.01	29.76	89.71	12.00	5,309.00	6,301.08	6,246.60	54.48	115.650	
10,900.00	10,836.41	10,834.63	10,783.41	31.22	29.98	89.71	12.00	5,309.00	6,301.08	6,246.12	54.97	114.635	
11,000.00	10,936.41	10,934.63	10,883.41	31.44	30.21	89.71	12.00	5,309.00	6,301.08	6,245.63	55.45	113.628	
11,100.00	11,036.41	11,034.63	10,983.41	31.67	30.43	89.71	12.00	5,309.00	6,301.08	6,245.14	55.95	112.627	
11,200.00	11,136.41	11,134.63	11,083.41	31.89	30.66	89.71	12.00	5,309.00	6,301.09	6,244.64	56.44	111.635	
11,300.00	11,236.41	11,234.63	11,183.41	32.12	30.89	89.71	12.00	5,309.00	6,301.08	6,244.14	56.95	110.651	
11,400.00	11,336.41	11,334.63	11,283.41	32.35	31.13	89.71	12.00	5,309.00	6,301.08	6,243.63	57.45	109.676	
11,500.00	11,436.41	11,434.63	11,383.41	32.58	31.36	89.71	12.00	5,309.00	6,301.08	6,243.12	57.96	108.709	
11,600.00	11,536.41	11,534.63	11,483.41	32.81	31.60	89.71	12.00	5,309.00	6,301.08	6,242.60	58.48	107.751	
11,700.00	11,636.41	11,634.63	11,583.41	33.05	31.84	89.71	12.00	5,309.00	6,301.08	6,242.08	59.00	106.803	
11,800.00	11,736.41	11,734.63	11,683.41	33.28	32.08	89.71	12.00	5,309.00	6,301.08	6,241.56	59.52	105.863	
11,900.00	11,836.41	11,834.63	11,783.41	33.53	32.33	89.71	12.00	5,309.00	6,301.08	6,241.03	60.05	104.933	
12,000.00	11,936.41	11,934.63	11,883.41	33.77	32.57	89.71	12.00	5,309.00	6,301.08	6,240.50	60.58	104.013	
12,038.00	11,974.41	11,972.65	11,921.41	33.86	32.67	89.70	12.92	5,309.00	6,301.08	6,240.30	60.78	103.669	
12,100.00	12,036.41	12,033.95	11,982.31	34.01	32.81	89.64	19.65	5,308.96	6,301.08	6,239.98	61.10	103.127	
12,198.59	12,135.00	12,126.68	12,072.19	34.25	33.00	89.44	42.07	5,308.84	6,301.16	6,239.58	61.58	102.328	
12,200.00	12,136.41	12,127.95	12,073.39	34.26	33.00	89.68	42.48	5,308.84	6,301.16	6,239.57	61.58	102.317	
12,250.00	12,186.34	12,172.38	12,114.85	34.38	33.08	89.54	58.39	5,308.76	6,301.25	6,239.44	61.81	101.941	
12,300.00	12,235.88	12,215.86	12,154.12	34.51	33.16	89.41	77.03	5,308.66	6,301.38	6,239.35	62.03	101.581	
12,350.00	12,284.65	12,258.48	12,191.15	34.63	33.22	89.28	98.14	5,308.55	6,301.53	6,239.28	62.25	101.234	
12,400.00	12,332.29	12,300.35	12,225.88	34.75	33.28	89.16	121.50	5,308.43	6,301.71	6,239.25	62.46	100.898	
12,450.00	12,378.42	12,341.53	12,258.30	34.87	33.33	89.04	146.89	5,308.29	6,301.89	6,239.23	62.66	100.571	
12,500.00	12,422.70	12,382.11	12,288.37	34.98	33.37	88.93	174.12	5,308.15	6,302.09	6,239.23	62.87	100.247	
12,550.00	12,464.79	12,422.15	12,316.08	35.09	33.41	88.82	203.01	5,308.00	6,302.30	6,239.23	63.07	99.924	
12,600.00	12,504.37	12,461.72	12,341.42	35.20	33.45	88.72	233.39	5,307.84	6,302.50	6,239.22	63.28	99.598	
12,650.00	12,541.14	12,500.00	12,363.88	35.30	33.49	88.63	264.38	5,307.68	6,302.70	6,239.21	63.49	99.268	
12,700.00	12,574.82	12,539.64	12,384.90	35.41	33.52	88.55	297.97	5,307.50	6,302.89	6,239.17	63.72	98.922	
12,750.00	12,605.15	12,578.10	12,403.04	35.52	33.55	88.48	331.88	5,307.33	6,303.06	6,239.11	63.95	98.562	
12,800.00	12,631.90	12,616.28	12,418.75	35.63	33.58	88.41	366.67	5,307.14	6,303.21	6,239.02	64.19	98.190	
12,850.00	12,654.87	12,654.25	12,432.04	35.75	33.62	88.36	402.23	5,306.96	6,303.34	6,238.89	64.45	97.800	
12,900.00	12,673.88	12,692.02	12,442.90	35.87	33.66	88.32	438.40	5,306.77	6,303.44	6,238.72	64.72	97.388	
12,950.00	12,688.80	12,729.65	12,451.32	36.01	37.55	88.28	475.06	5,306.58	6,303.51	6,238.52	65.00	96.983	
12,998.59	12,699.25	12,774.17	12,459.11	36.15	38.99	88.26	518.89	5,306.35	6,303.53	6,238.26	65.27	96.571	
13,000.00	12,699.50	12,775.49	12,459.32	36.15	38.99	88.26	520.20	5,306.34	6,303.53	6,238.25	65.28	96.559	
13,023.59	12,703.59	12,797.72	12,462.69	41.04	39.01	88.26	542.17	5,306.21	6,303.51	6,238.10	65.41	96.367	
13,050.00	12,707.82	12,822.57	12,465.85	41.08	39.03	88.26	566.82	5,306.06	6,303.50	6,237.95	65.55	96.156	
13,100.00	12,713.84	12,869.57	12,470.07	41.16	39.08	88.26	613.62	5,305.73	6,303.48	6,237.63	65.85	95.723	
13,150.00	12,717.26	12,916.51	12,471.98	41.25	39.13	88.25	660.52	5,305.35	6,303.48	6,237.29	66.18	95.240	
13,190.34	12,718.11	12,955.82	12,472.10	41.33	39.18	88.25	699.83	5,305.01	6,303.48	6,236.99	66.49	94.801	
13,200.00	12,718.11	12,965.48	12,472.10	41.35	39.19	88.25	709.49	5,304.92	6,303.48	6,236.91	66.57	94.691	
13,300.00	12,718.10	13,065.48	12,472.10	41.56	39.32	88.25	809.49	5,304.04	6,303.47	6,236.01	67.46	93.443	
13,400.00	12,718.10	13,165.48	12,472.10	41.82	39.48	88.25	909.48	5,303.15	6,303.46	6,234.97	68.49	92.033	
13,500.00	12,718.10	13,265.48	12,472.10	42.11	39.67	88.25	1,009.48	5,302.26	6,303.45	6,233.78	69.67	90.479	
13,600.00	12,718.10	13,365.48	12,472.09	42.44	39.90	88.25	1,109.47	5,301.38	6,303.44	6,232.46	70.98	88.807	
13,700.00	12,718.09	13,465.48	12,472.09	42.83	40.17	88.25	1,209.47	5,300.49	6,303.43	6,231.01	72.42	87.041	
13,800.00	12,718.09	13,565.48	12,472.09	43.28	40.50	88.25	1,309.47	5,299.60	6,303.42	6,229.44	73.98	85.204	
13,900.00	12,718.09	13,665.48	12,472.09	43.79	40.89	88.25	1,409.46	5,298.72	6,303.41	6,227.76	75.66	83.318	
14,000.00	12,718.09	13,765.48	12,472.09	44.37	41.35	88.25	1,509.46	5,297.83	6,303.40	6,225.97	77.44	81.401	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,718.08	13,865.48	12,472.08	45.02	41.90	88.25	1,609.45	5,296.94	6,303.39	6,224.08	79.32	79.472	
14,200.00	12,718.08	13,965.48	12,472.08	45.74	42.53	88.25	1,709.45	5,296.06	6,303.38	6,222.10	81.29	77.544	
14,300.00	12,718.08	14,065.48	12,472.08	46.52	43.24	88.25	1,809.45	5,295.17	6,303.37	6,220.03	83.34	75.630	
14,400.00	12,718.08	14,165.48	12,472.08	47.37	44.04	88.25	1,909.44	5,294.28	6,303.37	6,217.88	85.48	73.739	
14,500.00	12,718.07	14,265.48	12,472.07	48.28	44.91	88.25	2,009.44	5,293.40	6,303.36	6,215.66	87.69	71.881	
14,600.00	12,718.07	14,365.48	12,472.07	49.25	45.85	88.25	2,109.44	5,292.51	6,303.35	6,213.38	89.97	70.060	
14,700.00	12,718.07	14,465.48	12,472.07	50.26	46.85	88.25	2,209.43	5,291.63	6,303.34	6,211.03	92.31	68.283	
14,800.00	12,718.07	14,565.48	12,472.07	51.32	47.90	88.25	2,309.43	5,290.74	6,303.33	6,208.62	94.71	66.553	
14,900.00	12,718.06	14,665.48	12,472.06	52.42	49.00	88.25	2,409.42	5,289.85	6,303.32	6,206.15	97.17	64.872	
15,000.00	12,718.06	14,765.48	12,472.06	53.56	50.13	88.25	2,509.42	5,288.97	6,303.31	6,203.64	99.67	63.242	
15,100.00	12,718.06	14,865.48	12,472.06	54.74	51.31	88.25	2,609.42	5,288.08	6,303.30	6,201.08	102.22	61.664	
15,200.00	12,718.06	14,965.48	12,472.06	55.94	52.52	88.25	2,709.41	5,287.19	6,303.29	6,198.48	104.81	60.138	
15,300.00	12,718.05	15,065.48	12,472.05	57.17	53.76	88.25	2,809.41	5,286.31	6,303.28	6,195.84	107.45	58.664	
15,400.00	12,718.05	15,165.48	12,472.05	58.43	55.02	88.25	2,909.40	5,285.42	6,303.27	6,193.16	110.12	57.241	
15,500.00	12,718.05	15,265.48	12,472.05	59.71	56.31	88.25	3,009.40	5,284.53	6,303.26	6,190.44	112.82	55.869	
15,600.00	12,718.05	15,365.48	12,472.05	61.02	57.62	88.25	3,109.40	5,283.65	6,303.25	6,187.70	115.56	54.546	
15,700.00	12,718.04	15,465.48	12,472.04	62.34	58.95	88.25	3,209.39	5,282.76	6,303.25	6,184.92	118.33	53.270	
15,800.00	12,718.04	15,565.48	12,472.04	63.68	60.30	88.25	3,309.39	5,281.87	6,303.24	6,182.12	121.12	52.041	
15,900.00	12,718.04	15,665.48	12,472.04	65.04	61.66	88.25	3,409.38	5,280.99	6,303.23	6,179.29	123.94	50.857	
16,000.00	12,718.04	15,765.48	12,472.04	66.41	63.04	88.25	3,509.38	5,280.10	6,303.22	6,176.43	126.78	49.716	
16,100.00	12,718.03	15,865.48	12,472.03	67.80	64.44	88.25	3,609.38	5,279.21	6,303.21	6,173.56	129.65	48.617	
16,200.00	12,718.03	15,965.48	12,472.03	69.20	65.85	88.25	3,709.37	5,278.33	6,303.20	6,170.66	132.54	47.558	
16,300.00	12,718.03	16,065.48	12,472.03	70.61	67.27	88.25	3,809.37	5,277.44	6,303.19	6,167.74	135.45	46.537	
16,400.00	12,718.03	16,165.48	12,472.03	72.04	68.70	88.25	3,909.36	5,276.55	6,303.18	6,164.81	138.37	45.553	
16,500.00	12,718.02	16,265.48	12,472.02	73.47	70.14	88.25	4,009.36	5,275.67	6,303.17	6,161.86	141.31	44.604	
16,600.00	12,718.02	16,365.48	12,472.02	74.92	71.60	88.25	4,109.36	5,274.78	6,303.16	6,158.89	144.27	43.689	
16,700.00	12,718.02	16,465.48	12,472.02	76.37	73.06	88.25	4,209.35	5,273.89	6,303.15	6,155.90	147.25	42.806	
16,800.00	12,718.02	16,565.48	12,472.02	77.83	74.53	88.25	4,309.35	5,273.01	6,303.14	6,152.91	150.24	41.954	
16,900.00	12,718.01	16,665.48	12,472.01	79.31	76.01	88.25	4,409.34	5,272.12	6,303.14	6,149.89	153.24	41.132	
17,000.00	12,718.01	16,765.48	12,472.01	80.79	77.50	88.25	4,509.34	5,271.23	6,303.13	6,146.87	156.26	40.339	
17,100.00	12,718.01	16,865.48	12,472.01	82.27	78.99	88.25	4,609.34	5,270.35	6,303.12	6,143.83	159.28	39.572	
17,200.00	12,718.01	16,965.48	12,472.01	83.77	80.49	88.25	4,709.33	5,269.46	6,303.11	6,140.79	162.32	38.831	
17,300.00	12,718.01	17,065.48	12,472.00	85.27	82.00	88.25	4,809.33	5,268.58	6,303.10	6,137.73	165.37	38.115	
17,400.00	12,718.00	17,165.48	12,472.00	86.77	83.51	88.25	4,909.33	5,267.69	6,303.09	6,134.66	168.43	37.423	
17,479.97	12,718.00	17,245.45	12,472.00	87.98	84.73	88.25	4,989.29	5,266.98	6,303.08	6,132.20	170.88	36.885	
17,491.53	12,718.00	17,243.16	12,472.00	88.16	84.69	88.25	4,987.00	5,267.00	6,303.10	6,132.07	171.02	36.856 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.48	340.00	6,014.00	6,025.88				
100.00	100.00	22.00	22.00	0.13	0.03	86.48	340.00	6,014.00	6,025.37	6,025.22	0.16	N/A	
200.00	200.00	122.00	122.00	0.49	0.21	86.48	340.00	6,014.00	6,025.37	6,024.68	0.69	8,709.066	
300.00	300.00	222.00	222.00	0.84	0.56	86.48	340.00	6,014.00	6,025.37	6,023.96	1.41	4,276.973	
400.00	400.00	322.00	322.00	1.20	0.92	86.48	340.00	6,014.00	6,025.37	6,023.25	2.13	2,834.486	
500.00	500.00	422.00	422.00	1.56	1.28	86.48	340.00	6,014.00	6,025.37	6,022.53	2.84	2,119.610	
600.00	600.00	522.00	522.00	1.92	1.64	86.48	340.00	6,014.00	6,025.37	6,021.81	3.56	1,692.699	CC, ES
700.00	699.99	621.99	621.99	2.27	2.00	175.90	340.00	6,014.00	6,026.68	6,022.41	4.27	1,411.946	
800.00	799.91	721.91	721.91	2.62	2.36	175.90	340.00	6,014.00	6,030.59	6,025.62	4.97	1,212.624	
900.00	899.69	821.69	821.69	2.97	2.71	175.90	340.00	6,014.00	6,037.12	6,031.43	5.68	1,062.621	
1,000.00	999.27	921.27	921.27	3.33	3.07	175.89	340.00	6,014.00	6,046.24	6,039.85	6.39	945.970	
1,100.00	1,098.57	1,020.57	1,020.57	3.70	3.43	175.89	340.00	6,014.00	6,057.97	6,050.86	7.10	852.855	
1,200.00	1,197.72	1,119.72	1,119.72	4.09	3.78	175.90	340.00	6,014.00	6,070.99	6,063.17	7.81	776.933	
1,300.00	1,296.86	1,218.86	1,218.86	4.48	4.14	175.91	340.00	6,014.00	6,084.01	6,075.48	8.52	713.678	
1,400.00	1,396.01	1,318.01	1,318.01	4.87	4.49	175.92	340.00	6,014.00	6,097.03	6,087.79	9.24	660.030	
1,500.00	1,495.15	1,417.15	1,417.15	5.27	4.85	175.92	340.00	6,014.00	6,110.05	6,100.09	9.95	613.977	
1,600.00	1,594.30	1,516.30	1,516.30	5.66	5.20	175.93	340.00	6,014.00	6,123.07	6,112.40	10.67	574.028	
1,700.00	1,693.44	1,615.44	1,615.44	6.07	5.56	175.94	340.00	6,014.00	6,136.09	6,124.70	11.38	539.056	
1,800.00	1,792.58	1,714.58	1,714.58	6.47	5.92	175.95	340.00	6,014.00	6,149.11	6,137.01	12.10	508.191	
1,900.00	1,891.73	1,813.73	1,813.73	6.87	6.27	175.96	340.00	6,014.00	6,162.13	6,149.31	12.82	480.754	
2,000.00	1,990.87	1,912.87	1,912.87	7.28	6.63	175.97	340.00	6,014.00	6,175.15	6,161.61	13.54	456.208	
2,100.00	2,090.02	2,012.02	2,012.02	7.69	6.98	175.98	340.00	6,014.00	6,188.17	6,173.91	14.25	434.122	
2,200.00	2,189.16	2,111.16	2,111.16	8.10	7.34	175.98	340.00	6,014.00	6,201.19	6,186.22	14.97	414.144	
2,300.00	2,288.31	2,210.31	2,210.31	8.51	7.69	175.99	340.00	6,014.00	6,214.21	6,198.52	15.69	395.988	
2,400.00	2,387.45	2,309.45	2,309.45	8.91	8.05	176.00	340.00	6,014.00	6,227.23	6,210.82	16.41	379.417	
2,500.00	2,486.60	2,408.60	2,408.60	9.32	8.40	176.01	340.00	6,014.00	6,240.25	6,223.12	17.13	364.232	
2,600.00	2,585.74	2,507.74	2,507.74	9.74	8.76	176.02	340.00	6,014.00	6,253.28	6,235.42	17.85	350.268	
2,700.00	2,684.89	2,606.89	2,606.89	10.15	9.11	176.03	340.00	6,014.00	6,266.30	6,247.72	18.57	337.383	
2,800.00	2,784.03	2,706.03	2,706.03	10.56	9.47	176.03	340.00	6,014.00	6,279.32	6,260.03	19.29	325.457	
2,900.00	2,883.17	2,805.17	2,805.17	10.97	9.82	176.04	340.00	6,014.00	6,292.34	6,272.33	20.01	314.387	
3,000.00	2,982.32	2,904.32	2,904.32	11.38	10.18	176.05	340.00	6,014.00	6,305.36	6,284.63	20.74	304.084	
3,100.00	3,081.46	3,003.46	3,003.46	11.79	10.54	176.06	340.00	6,014.00	6,318.39	6,296.93	21.46	294.472	
3,200.00	3,180.61	3,102.61	3,102.61	12.21	10.89	176.07	340.00	6,014.00	6,331.41	6,309.23	22.18	285.483	
3,300.00	3,279.75	3,201.75	3,201.75	12.62	11.25	176.07	340.00	6,014.00	6,344.43	6,321.53	22.90	277.059	
3,400.00	3,378.90	3,300.90	3,300.90	13.03	11.60	176.08	340.00	6,014.00	6,357.45	6,333.83	23.62	269.148	
3,500.00	3,478.04	3,400.04	3,400.04	13.45	11.96	176.09	340.00	6,014.00	6,370.48	6,346.13	24.34	261.705	
3,600.00	3,577.19	3,500.81	3,499.19	13.86	12.32	176.10	340.00	6,014.00	6,383.50	6,358.43	25.07	254.631	
3,700.00	3,676.33	3,601.67	3,598.33	14.27	12.68	176.11	340.00	6,014.00	6,396.52	6,370.72	25.80	247.952	
3,800.00	3,775.47	3,702.53	3,697.47	14.69	13.04	176.11	340.00	6,014.00	6,409.54	6,383.02	26.53	241.638	
3,900.00	3,874.62	3,803.38	3,796.62	15.10	13.40	176.12	340.00	6,014.00	6,422.57	6,395.31	27.25	235.661	
4,000.00	3,973.76	3,904.24	3,895.76	15.51	13.76	176.13	340.00	6,014.00	6,435.59	6,407.61	27.98	229.995	
4,100.00	4,072.91	4,005.09	3,994.91	15.93	14.13	176.14	340.00	6,014.00	6,448.61	6,419.90	28.71	224.616	
4,200.00	4,172.05	4,105.95	4,094.05	16.34	14.49	176.15	340.00	6,014.00	6,461.64	6,432.20	29.44	219.502	
4,300.00	4,271.20	4,206.80	4,193.20	16.76	14.85	176.15	340.00	6,014.00	6,474.66	6,444.50	30.17	214.635	
4,400.00	4,370.34	4,307.66	4,292.34	17.17	15.21	176.16	340.00	6,014.00	6,487.69	6,456.79	30.89	209.996	
4,500.00	4,469.49	4,408.51	4,391.49	17.59	15.57	176.17	340.00	6,014.00	6,500.71	6,469.09	31.62	205.571	
4,600.00	4,568.63	4,509.37	4,490.63	18.00	15.93	176.18	340.00	6,014.00	6,513.73	6,481.38	32.35	201.345	
4,700.00	4,667.77	4,589.77	4,589.77	18.41	16.22	176.18	340.00	6,014.00	6,526.76	6,493.75	33.01	197.743	
4,800.00	4,766.92	4,688.92	4,688.92	18.83	16.58	176.19	340.00	6,014.00	6,539.78	6,506.05	33.73	193.894	
4,900.00	4,866.06	4,788.06	4,788.06	19.24	16.93	176.20	340.00	6,014.00	6,552.81	6,518.36	34.45	190.207	
5,000.00	4,965.21	4,887.21	4,887.21	19.66	17.29	176.21	340.00	6,014.00	6,565.83	6,530.66	35.17	186.670	
5,100.00	5,064.35	4,942.34	4,942.34	20.07	17.48	176.21	339.82	6,014.15	6,579.14	6,543.42	35.72	184.191	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,000.00	4,999.99	20.49	17.68	176.23	339.00	6,014.85	6,593.22	6,556.95	36.27	181.780	
5,300.00	5,262.64	5,039.21	5,039.18	20.90	17.80	176.24	338.07	6,015.64	6,608.04	6,571.29	36.74	179.840	
5,400.00	5,361.79	5,100.00	5,099.91	21.32	18.00	176.26	336.01	6,017.39	6,623.64	6,586.35	37.29	177.608	
5,500.00	5,460.93	5,135.48	5,135.33	21.57	18.12	176.28	334.47	6,018.69	6,639.96	6,602.38	37.57	176.717	
5,600.00	5,560.08	5,200.00	5,199.69	21.65	18.33	176.31	331.02	6,021.61	6,657.09	6,619.31	37.78	176.212	
5,700.00	5,659.22	5,238.09	5,238.17	21.74	18.46	176.33	329.23	6,023.13	6,674.89	6,637.00	37.89	176.183	
5,800.00	5,758.36	5,326.60	5,325.82	21.84	18.75	176.40	322.71	6,028.66	6,693.14	6,654.94	38.20	175.211	
5,900.00	5,857.51	5,424.62	5,423.47	21.95	19.04	176.46	316.20	6,034.18	6,711.41	6,672.90	38.51	174.261	
6,000.00	5,956.65	5,522.65	5,521.12	22.06	19.17	176.53	309.68	6,039.71	6,729.68	6,691.00	38.68	173.987	
6,100.00	6,055.80	5,620.67	5,618.77	22.18	19.18	176.59	303.16	6,045.23	6,747.97	6,709.23	38.73	174.215	
6,200.00	6,154.94	5,718.69	5,716.42	22.31	19.20	176.66	296.65	6,050.76	6,766.26	6,727.46	38.80	174.380	
6,300.00	6,254.09	5,816.72	5,814.07	22.45	19.23	176.72	290.13	6,056.28	6,784.56	6,745.67	38.88	174.482	
6,400.00	6,353.23	5,914.74	5,911.72	22.59	19.26	176.79	283.61	6,061.81	6,802.86	6,763.88	38.98	174.523	
6,500.00	6,452.38	6,012.76	6,009.37	22.74	19.30	176.85	277.10	6,067.33	6,821.18	6,782.09	39.09	174.502	
6,600.00	6,551.52	6,110.78	6,107.02	22.89	19.35	176.92	270.58	6,072.86	6,839.50	6,800.29	39.21	174.421	
6,700.00	6,650.66	6,208.81	6,204.67	23.06	19.41	176.98	264.07	6,078.38	6,857.84	6,818.49	39.35	174.282	
6,800.00	6,749.81	6,306.83	6,302.32	23.22	19.47	177.04	257.55	6,083.90	6,876.18	6,836.68	39.50	174.085	
6,900.00	6,848.95	6,404.85	6,399.97	23.40	19.54	177.10	251.03	6,089.43	6,894.53	6,854.86	39.66	173.832	
7,000.00	6,948.10	6,502.88	6,497.62	23.58	19.62	177.17	244.52	6,094.95	6,912.88	6,873.04	39.84	173.525	
7,100.00	7,047.24	6,600.90	6,595.27	23.77	19.70	177.23	238.00	6,100.48	6,931.25	6,891.22	40.03	173.166	
7,200.00	7,146.39	6,701.08	6,692.92	23.96	19.80	177.29	231.48	6,106.00	6,949.62	6,909.39	40.23	172.745	
7,300.00	7,245.53	6,803.06	6,790.57	24.16	19.90	177.35	224.97	6,111.53	6,968.00	6,927.55	40.45	172.269	
7,400.00	7,344.68	6,894.97	6,888.22	24.36	20.00	177.41	218.45	6,117.05	6,986.39	6,945.72	40.67	171.789	
7,500.00	7,443.82	7,007.01	6,985.87	24.57	20.13	177.47	211.93	6,122.58	7,004.78	6,963.86	40.92	171.171	
7,600.00	7,542.97	7,108.99	7,083.52	24.78	20.25	177.53	205.42	6,128.10	7,023.18	6,982.00	41.18	170.555	
7,700.00	7,642.11	7,189.04	7,181.17	25.00	20.35	177.59	198.90	6,133.63	7,041.59	7,000.17	41.42	170.009	
7,800.00	7,741.25	7,287.06	7,278.82	25.23	20.49	177.65	192.38	6,139.15	7,060.01	7,018.32	41.69	169.337	
7,900.00	7,840.40	7,385.08	7,376.47	25.45	20.62	177.71	185.87	6,144.68	7,078.44	7,036.46	41.98	168.628	
8,000.00	7,939.54	7,483.10	7,474.12	25.69	20.77	177.77	179.35	6,150.20	7,096.87	7,054.60	42.27	167.886	
8,100.00	8,038.69	7,581.13	7,571.77	25.93	20.91	177.83	172.84	6,155.73	7,115.31	7,072.73	42.58	167.111	
8,199.68	8,137.51	7,678.83	7,669.11	26.17	21.07	177.89	166.34	6,161.23	7,133.69	7,090.80	42.89	166.310	
8,300.00	8,237.14	7,777.41	7,767.30	26.40	21.23	177.96	159.79	6,166.79	7,150.91	7,107.69	43.22	165.451	
8,400.00	8,336.72	7,876.09	7,865.61	26.62	21.40	178.02	153.23	6,172.35	7,165.49	7,121.94	43.55	164.518	
8,500.00	8,436.50	7,975.12	7,964.26	26.82	21.57	178.08	146.64	6,177.93	7,177.49	7,133.59	43.90	163.510	
8,600.00	8,536.42	8,074.43	8,063.20	27.00	21.75	178.14	140.04	6,183.53	7,186.89	7,142.65	44.25	162.433	
8,699.68	8,636.09	8,173.65	8,162.04	27.16	21.93	88.78	133.45	6,189.12	7,193.67	7,149.08	44.60	161.309	
8,800.00	8,736.41	8,273.59	8,261.59	27.31	22.12	88.83	126.80	6,194.76	7,199.20	7,154.25	44.95	160.154	
8,900.00	8,836.41	8,771.15	8,758.41	27.46	23.04	88.97	110.00	6,209.00	7,202.17	7,156.02	46.15	156.049	
9,000.00	8,936.41	8,871.15	8,858.41	27.62	23.22	88.97	110.00	6,209.00	7,202.17	7,155.67	46.50	154.869	
9,100.00	9,036.41	8,971.15	8,958.41	27.78	23.39	88.97	110.00	6,209.00	7,202.17	7,155.31	46.86	153.680	
9,200.00	9,136.41	9,071.15	9,058.41	27.94	23.57	88.97	110.00	6,209.00	7,202.17	7,154.94	47.23	152.482	
9,300.00	9,236.41	9,171.15	9,158.41	28.11	23.75	88.97	110.00	6,209.00	7,202.17	7,154.56	47.61	151.278	
9,400.00	9,336.41	9,271.15	9,258.41	28.28	23.94	88.97	110.00	6,209.00	7,202.17	7,154.18	47.99	150.068	
9,500.00	9,436.41	9,371.15	9,358.41	28.45	24.13	88.97	110.00	6,209.00	7,202.17	7,153.79	48.38	148.854	
9,600.00	9,536.41	9,471.15	9,458.41	28.63	24.32	88.97	110.00	6,209.00	7,202.17	7,153.39	48.78	147.637	
9,700.00	9,636.41	9,571.15	9,558.41	28.81	24.52	88.97	110.00	6,209.00	7,202.17	7,152.98	49.19	146.418	
9,800.00	9,736.41	9,671.15	9,658.41	29.00	24.72	88.97	110.00	6,209.00	7,202.17	7,152.57	49.60	145.199	
9,900.00	9,836.41	9,771.15	9,758.41	29.18	24.93	88.97	110.00	6,209.00	7,202.17	7,152.15	50.02	143.980	
10,000.00	9,936.41	9,871.15	9,858.41	29.37	25.14	88.97	110.00	6,209.00	7,202.17	7,151.72	50.45	142.762	
10,100.00	10,036.41	9,971.15	9,958.41	29.57	25.35	88.97	110.00	6,209.00	7,202.17	7,151.29	50.88	141.547	
10,200.00	10,136.41	10,071.15	10,058.41	29.77	25.57	88.97	110.00	6,209.00	7,202.17	7,150.85	51.32	140.334	
10,300.00	10,236.41	10,171.15	10,158.41	29.97	25.78	88.97	110.00	6,209.00	7,202.17	7,150.41	51.77	139.126	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,336.41	10,271.15	10,258.41	30.17	26.01	88.97	110.00	6,209.00	7,202.17	7,149.95	52.22	137.922	
10,500.00	10,436.41	10,371.15	10,358.41	30.37	26.23	88.97	110.00	6,209.00	7,202.17	7,149.50	52.68	136.724	
10,600.00	10,536.41	10,471.15	10,458.41	30.58	26.46	88.97	110.00	6,209.00	7,202.17	7,149.03	53.14	135.532	
10,700.00	10,636.41	10,571.15	10,558.41	30.79	26.69	88.97	110.00	6,209.00	7,202.17	7,148.56	53.61	134.346	
10,800.00	10,736.41	10,671.15	10,658.41	31.01	26.92	88.97	110.00	6,209.00	7,202.17	7,148.09	54.08	133.168	
10,900.00	10,836.41	10,771.15	10,758.41	31.22	27.16	88.97	110.00	6,209.00	7,202.17	7,147.61	54.56	131.997	
11,000.00	10,936.41	10,871.15	10,858.41	31.44	27.40	88.97	110.00	6,209.00	7,202.17	7,147.13	55.05	130.835	
11,100.00	11,036.41	10,971.15	10,958.41	31.67	27.64	88.97	110.00	6,209.00	7,202.17	7,146.64	55.54	129.680	
11,200.00	11,136.41	11,071.15	11,058.41	31.89	27.88	88.97	110.00	6,209.00	7,202.17	7,146.14	56.03	128.535	
11,300.00	11,236.41	11,171.15	11,158.41	32.12	28.13	88.97	110.00	6,209.00	7,202.17	7,145.64	56.53	127.400	
11,400.00	11,336.41	11,271.15	11,258.41	32.35	28.38	88.97	110.00	6,209.00	7,202.17	7,145.14	57.04	126.273	
11,500.00	11,436.41	11,371.15	11,358.41	32.58	28.63	88.97	110.00	6,209.00	7,202.17	7,144.63	57.55	125.157	
11,600.00	11,536.41	11,471.15	11,458.41	32.81	28.88	88.97	110.00	6,209.00	7,202.17	7,144.12	58.06	124.051	
11,700.00	11,636.41	11,571.15	11,558.41	33.05	29.14	88.97	110.00	6,209.00	7,202.17	7,143.60	58.58	122.955	
11,800.00	11,736.41	11,671.15	11,658.41	33.28	29.39	88.97	110.00	6,209.00	7,202.17	7,143.08	59.10	121.870	
11,900.00	11,836.41	11,771.15	11,758.41	33.53	29.65	88.97	110.00	6,209.00	7,202.17	7,142.55	59.62	120.796	
12,000.00	11,936.41	11,871.15	11,858.41	33.77	29.92	88.97	110.00	6,209.00	7,202.17	7,142.02	60.15	119.733	
12,100.00	12,036.41	11,971.15	11,958.41	34.01	30.18	88.97	110.00	6,209.00	7,202.17	7,141.49	60.69	118.680	
12,198.59	12,135.00	12,058.25	12,045.27	34.25	30.40	88.92	115.37	6,208.96	7,202.24	7,141.07	61.17	117.735	
12,200.00	12,136.41	12,059.47	12,046.47	34.26	30.40	89.17	115.54	6,208.96	7,202.25	7,141.07	61.18	117.722	
12,250.00	12,186.34	12,102.35	12,088.67	34.38	30.51	89.12	123.07	6,208.91	7,202.32	7,140.90	61.42	117.268	
12,300.00	12,235.88	12,144.90	12,129.88	34.51	30.60	89.07	133.64	6,208.84	7,202.38	7,140.73	61.65	116.830	
12,350.00	12,284.65	12,187.17	12,169.93	34.63	30.69	89.03	147.14	6,208.74	7,202.43	7,140.55	61.87	116.407	
12,400.00	12,332.29	12,229.19	12,208.64	34.75	30.78	89.00	163.45	6,208.63	7,202.45	7,140.36	62.09	115.996	
12,450.00	12,378.42	12,271.00	12,245.87	34.87	30.86	88.97	182.45	6,208.49	7,202.46	7,140.15	62.31	115.594	
12,500.00	12,422.70	12,312.64	12,281.48	34.98	30.93	88.96	204.02	6,208.34	7,202.45	7,139.93	62.52	115.199	
12,550.00	12,464.79	12,354.15	12,315.32	35.09	31.00	88.94	228.03	6,208.18	7,202.42	7,139.68	62.73	114.807	
12,600.00	12,504.37	12,395.56	12,347.27	35.20	31.06	88.94	254.38	6,207.99	7,202.37	7,139.42	62.95	114.414	
12,650.00	12,541.14	12,436.91	12,377.18	35.30	31.12	88.94	282.91	6,207.79	7,202.29	7,139.12	63.17	114.015	
12,700.00	12,574.82	12,478.24	12,404.95	35.41	31.17	88.95	313.51	6,207.58	7,202.20	7,138.80	63.40	113.605	
12,750.00	12,605.15	12,519.58	12,430.44	35.52	31.23	88.96	346.05	6,207.35	7,202.08	7,138.45	63.63	113.181	
12,800.00	12,631.90	12,560.97	12,453.55	35.63	31.29	88.99	380.37	6,207.11	7,201.95	7,138.07	63.88	112.740	
12,850.00	12,654.87	12,602.45	12,474.16	35.75	31.37	89.01	416.35	6,206.86	7,201.80	7,137.65	64.14	112.277	
12,900.00	12,673.88	12,644.04	12,492.16	35.87	31.46	89.05	453.84	6,206.60	7,201.63	7,137.21	64.42	111.790	
12,950.00	12,688.80	12,685.79	12,507.44	36.01	31.56	89.09	492.68	6,206.33	7,201.45	7,136.73	64.72	111.277	
12,998.59	12,699.25	12,726.55	12,519.60	36.15	31.67	89.14	531.57	6,206.06	7,201.26	7,136.24	65.02	110.754	
13,000.00	12,699.50	12,727.73	12,519.91	36.15	31.68	89.14	532.72	6,206.05	7,201.26	7,136.23	65.03	110.738	
13,023.59	12,703.59	12,747.64	12,524.80	41.04	31.73	89.15	552.01	6,205.91	7,201.17	7,136.00	65.17	110.495	
13,050.00	12,707.82	12,770.00	12,529.48	41.08	35.18	89.17	573.87	6,205.76	7,201.09	7,135.79	65.31	110.262	
13,100.00	12,713.84	12,817.86	12,537.78	41.16	37.10	89.21	621.01	6,205.43	7,200.99	7,135.41	65.58	109.804	
13,150.00	12,717.26	12,866.64	12,544.36	41.25	37.13	89.24	669.33	6,205.07	7,200.93	7,135.05	65.89	109.293	
13,190.34	12,718.11	12,906.11	12,547.87	41.33	37.15	89.27	708.64	6,204.76	7,200.91	7,134.75	66.16	108.839	
13,200.00	12,718.11	12,915.59	12,548.47	41.35	37.15	89.27	718.10	6,204.69	7,200.91	7,134.68	66.23	108.722	
13,300.00	12,718.10	13,014.64	12,550.10	41.56	37.21	89.28	817.12	6,203.83	7,200.90	7,133.85	67.05	107.401	
13,400.00	12,718.10	13,114.64	12,550.10	41.82	37.27	89.28	917.12	6,202.95	7,200.90	7,132.88	68.01	105.874	
13,500.00	12,718.10	13,214.64	12,550.10	42.11	37.33	89.28	1,017.11	6,202.07	7,200.89	7,131.77	69.13	104.170	
13,600.00	12,718.10	13,314.64	12,550.09	42.44	37.40	89.28	1,117.11	6,201.19	7,200.89	7,130.51	70.38	102.317	
13,700.00	12,718.09	13,414.64	12,550.09	42.83	37.48	89.28	1,217.11	6,200.30	7,200.88	7,129.12	71.76	100.345	
13,800.00	12,718.09	13,514.64	12,550.09	43.28	37.58	89.28	1,317.10	6,199.42	7,200.88	7,127.61	73.27	98.279	
13,900.00	12,718.09	13,614.64	12,550.09	43.79	37.71	89.28	1,417.10	6,198.54	7,200.87	7,125.98	74.89	96.147	
14,000.00	12,718.09	13,714.64	12,550.08	44.37	37.91	89.28	1,517.09	6,197.66	7,200.87	7,124.24	76.63	93.971	
14,100.00	12,718.08	13,814.64	12,550.08	45.02	38.28	89.28	1,617.09	6,196.78	7,200.87	7,122.40	78.47	91.771	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	12,718.08	13,914.64	12,550.08	45.74	38.92	89.28	1,717.09	6,195.90	7,200.86	7,120.46	80.40	89.566	
14,300.00	12,718.08	14,014.64	12,550.08	46.52	39.75	89.28	1,817.08	6,195.01	7,200.86	7,118.44	82.42	87.370	
14,400.00	12,718.08	14,114.64	12,550.08	47.37	40.70	89.28	1,917.08	6,194.13	7,200.85	7,116.33	84.52	85.196	
14,500.00	12,718.07	14,214.64	12,550.07	48.28	41.71	89.28	2,017.07	6,193.25	7,200.85	7,114.15	86.70	83.055	
14,600.00	12,718.07	14,314.64	12,550.07	49.25	42.78	89.28	2,117.07	6,192.37	7,200.84	7,111.89	88.95	80.954	
14,700.00	12,718.07	14,414.64	12,550.07	50.26	43.89	89.28	2,217.07	6,191.49	7,200.84	7,109.57	91.26	78.901	
14,800.00	12,718.07	14,514.64	12,550.07	51.32	45.04	89.28	2,317.06	6,190.60	7,200.83	7,107.19	93.64	76.899	
14,900.00	12,718.06	14,614.64	12,550.06	52.42	46.22	89.28	2,417.06	6,189.72	7,200.83	7,104.76	96.07	74.952	
15,000.00	12,718.06	14,714.64	12,550.06	53.56	47.43	89.28	2,517.05	6,188.84	7,200.83	7,102.27	98.56	73.063	
15,100.00	12,718.06	14,814.64	12,550.06	54.74	48.67	89.28	2,617.05	6,187.96	7,200.82	7,099.73	101.09	71.234	
15,200.00	12,718.06	14,914.64	12,550.06	55.94	49.94	89.28	2,717.05	6,187.08	7,200.82	7,097.15	103.66	69.463	
15,300.00	12,718.05	15,014.64	12,550.05	57.17	51.22	89.28	2,817.04	6,186.20	7,200.81	7,094.53	106.28	67.752	
15,400.00	12,718.05	15,114.64	12,550.05	58.43	52.53	89.28	2,917.04	6,185.31	7,200.81	7,091.87	108.94	66.101	
15,500.00	12,718.05	15,214.64	12,550.05	59.71	53.86	89.28	3,017.04	6,184.43	7,200.80	7,089.17	111.63	64.507	
15,600.00	12,718.05	15,314.64	12,550.05	61.02	55.21	89.28	3,117.03	6,183.55	7,200.80	7,086.45	114.35	62.970	
15,700.00	12,718.04	15,414.64	12,550.04	62.34	56.57	89.28	3,217.03	6,182.67	7,200.79	7,083.69	117.11	61.489	
15,800.00	12,718.04	15,514.64	12,550.04	63.68	57.95	89.28	3,317.02	6,181.79	7,200.79	7,080.90	119.89	60.061	
15,900.00	12,718.04	15,614.64	12,550.04	65.04	59.34	89.28	3,417.02	6,180.91	7,200.79	7,078.08	122.70	58.685	
16,000.00	12,718.04	15,714.64	12,550.04	66.41	60.75	89.28	3,517.02	6,180.02	7,200.78	7,075.24	125.54	57.360	
16,100.00	12,718.03	15,814.64	12,550.03	67.80	62.17	89.28	3,617.01	6,179.14	7,200.78	7,072.38	128.40	56.083	
16,200.00	12,718.03	15,914.64	12,550.03	69.20	63.60	89.28	3,717.01	6,178.26	7,200.77	7,069.50	131.28	54.852	
16,300.00	12,718.03	16,014.64	12,550.03	70.61	65.04	89.28	3,817.00	6,177.38	7,200.77	7,066.59	134.18	53.667	
16,400.00	12,718.03	16,114.64	12,550.03	72.04	66.50	89.28	3,917.00	6,176.50	7,200.76	7,063.67	137.10	52.524	
16,500.00	12,718.02	16,214.64	12,550.02	73.47	67.96	89.28	4,017.00	6,175.62	7,200.76	7,060.73	140.03	51.422	
16,600.00	12,718.02	16,314.64	12,550.02	74.92	69.43	89.28	4,116.99	6,174.73	7,200.75	7,057.77	142.99	50.360	
16,700.00	12,718.02	16,414.64	12,550.02	76.37	70.91	89.28	4,216.99	6,173.85	7,200.75	7,054.79	145.96	49.335	
16,800.00	12,718.02	16,514.64	12,550.02	77.83	72.40	89.28	4,316.98	6,172.97	7,200.75	7,051.81	148.94	48.347	
16,900.00	12,718.01	16,614.64	12,550.01	79.31	73.89	89.28	4,416.98	6,172.09	7,200.74	7,048.80	151.94	47.392	
17,000.00	12,718.01	16,714.64	12,550.01	80.79	75.39	89.28	4,516.98	6,171.21	7,200.74	7,045.79	154.95	46.471	
17,100.00	12,718.01	16,814.64	12,550.01	82.27	76.90	89.28	4,616.97	6,170.32	7,200.73	7,042.76	157.97	45.582	
17,200.00	12,718.01	16,914.64	12,550.01	83.77	78.41	89.28	4,716.97	6,169.44	7,200.73	7,039.72	161.01	44.723	
17,300.00	12,718.01	17,014.64	12,550.00	85.27	79.93	89.28	4,816.97	6,168.56	7,200.72	7,036.67	164.05	43.892	
17,400.00	12,718.00	17,114.64	12,550.00	86.77	81.46	89.28	4,916.96	6,167.68	7,200.72	7,033.61	167.11	43.089	
17,484.40	12,718.00	17,199.04	12,550.00	88.05	82.75	89.28	5,001.36	6,166.94	7,200.72	7,031.02	169.70	42.432	SF
17,491.53	12,718.00	17,191.68	12,550.00	88.16	82.64	89.28	4,994.00	6,167.00	7,200.73	7,031.05	169.68	42.438	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	84.21	222.00	2,486.00	2,498.83				
100.00	100.00	79.00	79.00	0.13	0.10	84.21	222.00	2,486.00	2,498.74	2,498.51	0.23	N/A	
200.00	200.00	179.00	179.00	0.49	0.41	84.21	222.00	2,486.00	2,498.74	2,497.84	0.90	2,788.214	
300.00	300.00	279.00	279.00	0.84	0.77	84.21	222.00	2,486.00	2,498.74	2,497.13	1.61	1,549.008	
400.00	400.00	379.00	379.00	1.20	1.13	84.21	222.00	2,486.00	2,498.74	2,496.41	2.33	1,072.390	
500.00	500.00	479.00	479.00	1.56	1.49	84.21	222.00	2,486.00	2,498.74	2,495.69	3.05	820.063	
600.00	600.00	579.00	579.00	1.92	1.84	84.21	222.00	2,486.00	2,498.74	2,494.98	3.76	663.861	CC, ES
700.00	699.99	678.99	678.99	2.27	2.20	173.64	222.00	2,486.00	2,500.04	2,495.57	4.47	558.958	
800.00	799.91	778.91	778.91	2.62	2.56	173.64	222.00	2,486.00	2,503.94	2,498.76	5.18	483.620	
900.00	899.69	878.69	878.69	2.97	2.92	173.64	222.00	2,486.00	2,510.44	2,504.56	5.89	426.535	
1,000.00	999.27	978.27	978.27	3.33	3.28	173.65	222.00	2,486.00	2,519.54	2,512.94	6.60	381.985	
1,100.00	1,098.57	1,077.57	1,077.57	3.70	3.63	173.66	222.00	2,486.00	2,531.22	2,523.91	7.31	346.385	
1,200.00	1,197.72	1,176.72	1,176.72	4.09	3.99	173.69	222.00	2,486.00	2,544.19	2,536.18	8.02	317.290	
1,300.00	1,296.86	1,275.86	1,275.86	4.48	4.34	173.73	222.00	2,486.00	2,557.17	2,548.44	8.73	292.936	
1,400.00	1,396.01	1,375.01	1,375.01	4.87	4.70	173.76	222.00	2,486.00	2,570.15	2,560.70	9.44	272.197	
1,500.00	1,495.15	1,474.15	1,474.15	5.27	5.05	173.79	222.00	2,486.00	2,583.12	2,572.97	10.16	254.333	
1,600.00	1,594.30	1,573.30	1,573.30	5.66	5.41	173.82	222.00	2,486.00	2,596.10	2,585.23	10.87	238.792	
1,700.00	1,693.44	1,672.44	1,672.44	6.07	5.76	173.85	222.00	2,486.00	2,609.08	2,597.49	11.59	225.151	
1,800.00	1,792.58	1,771.58	1,771.58	6.47	6.12	173.88	222.00	2,486.00	2,622.06	2,609.75	12.31	213.084	
1,900.00	1,891.73	1,870.73	1,870.73	6.87	6.47	173.91	222.00	2,486.00	2,635.04	2,622.01	13.02	202.337	
2,000.00	1,990.87	1,969.87	1,969.87	7.28	6.83	173.94	222.00	2,486.00	2,648.02	2,634.28	13.74	192.705	
2,100.00	2,090.02	2,069.02	2,069.02	7.69	7.19	173.97	222.00	2,486.00	2,661.00	2,646.54	14.46	184.024	
2,200.00	2,189.16	2,168.16	2,168.16	8.10	7.54	174.00	222.00	2,486.00	2,673.98	2,658.80	15.18	176.160	
2,300.00	2,288.31	2,267.31	2,267.31	8.51	7.90	174.03	222.00	2,486.00	2,686.96	2,671.07	15.90	169.004	
2,400.00	2,387.45	2,366.45	2,366.45	8.91	8.25	174.06	222.00	2,486.00	2,699.95	2,683.33	16.62	162.465	
2,500.00	2,486.60	2,465.60	2,465.60	9.32	8.61	174.09	222.00	2,486.00	2,712.93	2,695.59	17.34	156.467	
2,600.00	2,585.74	2,564.74	2,564.74	9.74	8.96	174.12	222.00	2,486.00	2,725.92	2,707.86	18.06	150.945	
2,700.00	2,684.89	2,663.89	2,663.89	10.15	9.32	174.14	222.00	2,486.00	2,738.90	2,720.12	18.78	145.845	
2,800.00	2,784.03	2,763.03	2,763.03	10.56	9.67	174.17	222.00	2,486.00	2,751.89	2,732.39	19.50	141.120	
2,900.00	2,883.17	2,862.17	2,862.17	10.97	10.03	174.20	222.00	2,486.00	2,764.87	2,744.65	20.22	136.731	
3,000.00	2,982.32	2,961.32	2,961.32	11.38	10.38	174.23	222.00	2,486.00	2,777.86	2,756.92	20.94	132.644	
3,100.00	3,081.46	3,060.46	3,060.46	11.79	10.74	174.25	222.00	2,486.00	2,790.85	2,769.19	21.66	128.828	
3,200.00	3,180.61	3,159.61	3,159.61	12.21	11.10	174.28	222.00	2,486.00	2,803.84	2,781.45	22.38	125.257	
3,300.00	3,279.75	3,258.75	3,258.75	12.62	11.45	174.31	222.00	2,486.00	2,816.83	2,793.72	23.11	121.908	
3,400.00	3,378.90	3,357.90	3,357.90	13.03	11.81	174.33	222.00	2,486.00	2,829.82	2,805.99	23.83	118.762	
3,500.00	3,478.04	3,457.04	3,457.04	13.45	12.16	174.36	222.00	2,486.00	2,842.81	2,818.26	24.55	115.800	
3,600.00	3,577.19	3,556.19	3,556.19	13.86	12.52	174.39	222.00	2,486.00	2,855.80	2,830.53	25.27	113.007	
3,700.00	3,676.33	3,655.33	3,655.33	14.27	12.87	174.41	222.00	2,486.00	2,868.79	2,842.80	25.99	110.369	
3,800.00	3,775.47	3,754.47	3,754.47	14.69	13.23	174.44	222.00	2,486.00	2,881.78	2,855.07	26.71	107.873	
3,900.00	3,874.62	3,853.62	3,853.62	15.10	13.58	174.46	222.00	2,486.00	2,894.77	2,867.34	27.44	105.508	
4,000.00	3,973.76	3,952.76	3,952.76	15.51	13.94	174.49	222.00	2,486.00	2,907.77	2,879.61	28.16	103.264	
4,100.00	4,072.91	4,051.91	4,051.91	15.93	14.29	174.51	222.00	2,486.00	2,920.76	2,891.88	28.88	101.132	
4,200.00	4,172.05	4,151.05	4,151.05	16.34	14.65	174.53	222.00	2,486.00	2,933.75	2,904.15	29.60	99.104	
4,300.00	4,271.20	4,250.20	4,250.20	16.76	15.00	174.56	222.00	2,486.00	2,946.75	2,916.42	30.32	97.173	
4,400.00	4,370.34	4,349.34	4,349.34	17.17	15.36	174.58	222.00	2,486.00	2,959.74	2,928.70	31.05	95.331	
4,500.00	4,469.49	4,448.49	4,448.49	17.59	15.72	174.61	222.00	2,486.00	2,972.74	2,940.97	31.77	93.573	
4,600.00	4,568.63	4,547.63	4,547.63	18.00	16.07	174.63	222.00	2,486.00	2,985.73	2,953.24	32.49	91.892	
4,700.00	4,667.77	4,646.77	4,646.77	18.41	16.43	174.65	222.00	2,486.00	2,998.73	2,965.52	33.21	90.285	
4,800.00	4,766.92	4,745.92	4,745.92	18.83	16.78	174.68	222.00	2,486.00	3,011.73	2,977.79	33.94	88.746	
4,900.00	4,866.06	4,845.06	4,845.06	19.24	17.14	174.70	222.00	2,486.00	3,024.73	2,990.07	34.66	87.271	
5,000.00	4,965.21	4,944.21	4,944.21	19.66	17.49	174.72	222.00	2,486.00	3,037.72	3,002.34	35.38	85.857	
5,100.00	5,064.35	5,043.35	5,043.35	20.07	17.85	174.74	222.00	2,486.00	3,050.72	3,014.62	36.10	84.498	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,142.50	5,142.50	20.49	18.20	174.77	222.00	2,486.00	3,063.72	3,026.89	36.83	83.194	
5,300.00	5,262.64	5,241.64	5,241.64	20.90	18.56	174.79	222.00	2,486.00	3,076.72	3,039.17	37.55	81.939	
5,400.00	5,361.79	5,340.79	5,340.79	21.32	18.91	174.81	222.00	2,486.00	3,089.72	3,051.45	38.27	80.731	
5,500.00	5,460.93	5,439.93	5,439.93	21.57	19.20	174.83	222.00	2,486.00	3,102.72	3,063.97	38.75	80.078	
5,600.00	5,560.08	5,529.30	5,529.30	21.65	19.31	174.85	221.90	2,486.05	3,115.78	3,076.92	38.86	80.181	
5,700.00	5,659.22	5,600.00	5,599.99	21.74	19.31	174.89	220.85	2,486.63	3,129.49	3,090.63	38.86	80.530	
5,800.00	5,758.36	5,677.42	5,677.35	21.84	19.32	174.95	218.39	2,487.98	3,143.99	3,105.11	38.88	80.867	
5,900.00	5,857.51	5,751.03	5,750.85	21.95	19.34	175.04	214.78	2,489.96	3,159.28	3,120.38	38.90	81.212	
6,000.00	5,956.65	5,824.27	5,823.88	22.06	19.35	175.15	209.93	2,492.60	3,175.37	3,136.43	38.93	81.562	
6,100.00	6,055.80	5,919.35	5,918.60	22.18	19.38	175.30	202.67	2,496.57	3,191.96	3,152.96	39.00	81.845	
6,200.00	6,154.94	6,017.56	6,016.44	22.31	19.42	175.46	195.16	2,500.67	3,208.58	3,169.49	39.09	82.092	
6,300.00	6,254.09	6,115.77	6,114.28	22.45	19.46	175.62	187.65	2,504.78	3,225.23	3,186.04	39.18	82.310	
6,400.00	6,353.23	6,213.98	6,212.11	22.59	19.51	175.78	180.14	2,508.89	3,241.90	3,202.60	39.30	82.498	
6,500.00	6,452.38	6,312.20	6,309.95	22.74	19.57	175.93	172.63	2,512.99	3,258.59	3,219.17	39.42	82.657	
6,600.00	6,551.52	6,410.41	6,407.79	22.89	19.63	176.08	165.11	2,517.10	3,275.31	3,235.75	39.56	82.787	
6,700.00	6,650.66	6,508.62	6,505.63	23.06	19.71	176.24	157.60	2,521.20	3,292.05	3,252.33	39.72	82.889	
6,800.00	6,749.81	6,606.83	6,603.46	23.22	19.79	176.39	150.09	2,525.31	3,308.81	3,268.93	39.88	82.964	
6,900.00	6,848.95	6,705.04	6,701.30	23.40	19.87	176.54	142.58	2,529.41	3,325.60	3,285.53	40.06	83.009	
7,000.00	6,948.10	6,803.25	6,799.14	23.58	19.96	176.68	135.07	2,533.52	3,342.40	3,302.15	40.26	83.030	
7,100.00	7,047.24	6,901.47	6,896.98	23.77	20.06	176.83	127.56	2,537.63	3,359.23	3,318.77	40.46	83.024	
7,200.00	7,146.39	7,000.32	6,994.82	23.96	20.17	176.97	120.05	2,541.73	3,376.08	3,335.40	40.68	82.992	
7,300.00	7,245.53	7,102.11	7,092.65	24.16	20.29	177.12	112.54	2,545.84	3,392.95	3,352.04	40.91	82.929	
7,400.00	7,344.68	7,203.90	7,190.49	24.36	20.41	177.26	105.03	2,549.94	3,409.84	3,368.68	41.16	82.841	
7,500.00	7,443.82	7,305.69	7,288.33	24.57	20.54	177.40	97.52	2,554.05	3,426.75	3,385.33	41.42	82.731	
7,600.00	7,542.97	7,407.48	7,386.17	24.78	20.68	177.54	90.01	2,558.16	3,443.68	3,401.99	41.69	82.598	
7,700.00	7,642.11	7,509.27	7,484.00	25.00	20.83	177.68	82.50	2,562.26	3,460.63	3,418.66	41.98	82.443	
7,800.00	7,741.25	7,588.95	7,581.84	25.23	20.94	177.81	74.99	2,566.37	3,477.60	3,435.36	42.24	82.333	
7,900.00	7,840.40	7,687.16	7,679.68	25.45	21.09	177.95	67.48	2,570.47	3,494.59	3,452.05	42.54	82.152	
8,000.00	7,939.54	7,785.37	7,777.52	25.69	21.25	178.08	59.96	2,574.58	3,511.60	3,468.75	42.85	81.953	
8,100.00	8,038.69	7,883.58	7,875.36	25.93	21.41	178.21	52.45	2,578.69	3,528.62	3,485.45	43.17	81.738	
8,199.58	8,137.51	7,981.48	7,972.88	26.17	21.58	178.34	44.97	2,582.78	3,545.61	3,502.11	43.50	81.507	
8,300.00	8,237.14	8,080.22	8,071.25	26.40	21.75	178.48	37.42	2,586.91	3,561.43	3,517.59	43.84	81.233	
8,400.00	8,336.72	8,179.03	8,169.68	26.62	21.93	178.61	29.86	2,591.04	3,574.62	3,530.43	44.19	80.891	
8,500.00	8,436.50	8,278.15	8,268.43	26.82	22.11	178.74	22.28	2,595.18	3,585.23	3,540.68	44.55	80.483	
8,600.00	8,536.42	8,377.53	8,367.42	27.00	22.30	178.87	14.68	2,599.34	3,593.25	3,548.34	44.91	80.011	
8,699.68	8,636.09	8,504.90	8,494.35	27.16	22.55	89.60	5.39	2,604.41	3,598.53	3,553.18	45.34	79.359	
8,800.00	8,736.41	8,686.30	8,675.54	27.31	22.90	89.72	-2.09	2,608.50	3,600.77	3,554.86	45.91	78.437	
8,900.00	8,836.41	8,826.18	8,815.41	27.46	23.14	89.73	-3.00	2,609.00	3,601.04	3,554.69	46.35	77.700	
9,000.00	8,936.41	8,926.18	8,915.41	27.62	23.31	89.73	-3.00	2,609.00	3,601.04	3,554.34	46.70	77.114	
9,100.00	9,036.41	9,026.18	9,015.41	27.78	23.49	89.73	-3.00	2,609.00	3,601.04	3,553.98	47.06	76.523	
9,200.00	9,136.41	9,126.18	9,115.41	27.94	23.67	89.73	-3.00	2,609.00	3,601.04	3,553.61	47.43	75.929	
9,300.00	9,236.41	9,226.18	9,215.41	28.11	23.85	89.73	-3.00	2,609.00	3,601.04	3,553.24	47.80	75.331	
9,400.00	9,336.41	9,326.18	9,315.41	28.28	24.04	89.73	-3.00	2,609.00	3,601.04	3,552.85	48.19	74.730	
9,500.00	9,436.41	9,426.18	9,415.41	28.45	24.23	89.73	-3.00	2,609.00	3,601.04	3,552.46	48.58	74.127	
9,600.00	9,536.41	9,526.18	9,515.41	28.63	24.43	89.73	-3.00	2,609.00	3,601.04	3,552.06	48.98	73.523	
9,700.00	9,636.41	9,626.18	9,615.41	28.81	24.63	89.73	-3.00	2,609.00	3,601.04	3,551.66	49.38	72.918	
9,800.00	9,736.41	9,726.18	9,715.41	29.00	24.83	89.73	-3.00	2,609.00	3,601.04	3,551.24	49.80	72.313	
9,900.00	9,836.41	9,826.18	9,815.41	29.18	25.03	89.73	-3.00	2,609.00	3,601.04	3,550.82	50.22	71.708	
10,000.00	9,936.41	9,926.18	9,915.41	29.37	25.24	89.73	-3.00	2,609.00	3,601.04	3,550.40	50.64	71.104	
10,100.00	10,036.41	10,026.18	10,015.41	29.57	25.46	89.73	-3.00	2,609.00	3,601.04	3,549.96	51.08	70.500	
10,200.00	10,136.41	10,126.18	10,115.41	29.77	25.67	89.73	-3.00	2,609.00	3,601.04	3,549.52	51.52	69.899	
10,300.00	10,236.41	10,226.18	10,215.41	29.97	25.89	89.73	-3.00	2,609.00	3,601.04	3,549.08	51.95	69.299	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,400.00	10,336.41	10,326.18	10,315.41	30.17	26.11	89.73	-3.00	2,609.00	3,601.04	3,548.62	52.42	68.702	
10,500.00	10,436.41	10,426.18	10,415.41	30.37	26.34	89.73	-3.00	2,609.00	3,601.04	3,548.17	52.87	68.107	
10,600.00	10,536.41	10,526.18	10,515.41	30.58	26.57	89.73	-3.00	2,609.00	3,601.04	3,547.70	53.34	67.515	
10,700.00	10,636.41	10,626.18	10,615.41	30.79	26.80	89.73	-3.00	2,609.00	3,601.04	3,547.23	53.81	66.927	
10,800.00	10,736.41	10,726.18	10,715.41	31.01	27.03	89.73	-3.00	2,609.00	3,601.04	3,546.76	54.28	66.342	
10,900.00	10,836.41	10,826.18	10,815.41	31.22	27.27	89.73	-3.00	2,609.00	3,601.04	3,546.28	54.76	65.761	
11,000.00	10,936.41	10,926.18	10,915.41	31.44	27.51	89.73	-3.00	2,609.00	3,601.04	3,545.80	55.24	65.184	
11,100.00	11,036.41	11,026.18	11,015.41	31.67	27.75	89.73	-3.00	2,609.00	3,601.04	3,545.31	55.73	64.611	
11,200.00	11,136.41	11,126.18	11,115.41	31.89	27.99	89.73	-3.00	2,609.00	3,601.04	3,544.81	56.23	64.042	
11,300.00	11,236.41	11,226.18	11,215.41	32.12	28.24	89.73	-3.00	2,609.00	3,601.04	3,544.31	56.73	63.478	
11,400.00	11,336.41	11,326.18	11,315.41	32.35	28.49	89.73	-3.00	2,609.00	3,601.04	3,543.81	57.23	62.919	
11,500.00	11,436.41	11,426.18	11,415.41	32.58	28.74	89.73	-3.00	2,609.00	3,601.04	3,543.30	57.74	62.365	
11,600.00	11,536.41	11,526.18	11,515.41	32.81	28.99	89.73	-3.00	2,609.00	3,601.04	3,542.79	58.25	61.816	
11,700.00	11,636.41	11,626.18	11,615.41	33.05	29.25	89.73	-3.00	2,609.00	3,601.04	3,542.27	58.77	61.272	
11,800.00	11,736.41	11,726.18	11,715.41	33.28	29.51	89.73	-3.00	2,609.00	3,601.04	3,541.75	59.29	60.733	
11,900.00	11,836.41	11,826.18	11,815.41	33.53	29.77	89.73	-3.00	2,609.00	3,601.04	3,541.22	59.82	60.200	
12,000.00	11,936.41	11,926.18	11,915.41	33.77	30.03	89.73	-3.00	2,609.00	3,601.04	3,540.69	60.35	59.672	
12,100.00	12,036.41	12,026.23	12,015.45	34.01	30.29	89.73	-2.79	2,609.00	3,601.04	3,540.16	60.88	59.150	
12,131.03	12,067.44	12,057.26	12,046.43	34.09	30.37	89.70	-1.12	2,608.99	3,601.04	3,540.00	61.04	58.991	
12,198.59	12,135.00	12,123.66	12,112.16	34.25	30.53	89.55	8.08	2,608.94	3,601.05	3,539.66	61.39	58.660	
12,200.00	12,136.41	12,125.02	12,113.49	34.26	30.54	89.80	8.35	2,608.94	3,601.05	3,539.66	61.40	58.653	
12,250.00	12,186.34	12,172.85	12,159.93	34.38	30.65	89.65	19.77	2,608.88	3,601.09	3,539.45	61.64	58.421	
12,300.00	12,235.88	12,219.96	12,204.57	34.51	30.75	89.50	34.77	2,608.80	3,601.15	3,539.27	61.88	58.198	
12,350.00	12,284.65	12,266.40	12,247.23	34.63	30.84	89.36	53.08	2,608.71	3,601.22	3,539.12	62.11	57.983	
12,400.00	12,332.29	12,312.20	12,287.72	34.75	30.93	89.22	74.48	2,608.59	3,601.31	3,538.98	62.33	57.776	
12,450.00	12,378.42	12,357.44	12,325.90	34.87	31.01	89.09	98.71	2,608.47	3,601.42	3,538.87	62.55	57.574	
12,500.00	12,422.70	12,402.14	12,361.64	34.98	31.09	88.96	125.55	2,608.33	3,601.53	3,538.76	62.77	57.375	
12,550.00	12,464.79	12,446.37	12,394.83	35.09	31.17	88.84	154.76	2,608.17	3,601.65	3,538.66	62.99	57.177	
12,600.00	12,504.37	12,490.17	12,425.39	35.20	31.24	88.73	186.12	2,608.01	3,601.77	3,538.55	63.21	56.978	
12,650.00	12,541.14	12,533.58	12,453.22	35.30	31.32	88.63	219.42	2,607.84	3,601.89	3,538.44	63.44	56.774	
12,700.00	12,574.82	12,576.64	12,478.26	35.41	31.41	88.54	254.44	2,607.65	3,602.00	3,538.32	63.68	56.564	
12,750.00	12,605.15	12,619.40	12,500.45	35.52	31.50	88.45	290.98	2,607.46	3,602.10	3,538.17	63.93	56.347	
12,800.00	12,631.90	12,661.90	12,519.75	35.63	31.59	88.38	328.83	2,607.26	3,602.19	3,538.00	64.19	56.120	
12,850.00	12,654.87	12,704.17	12,536.11	35.75	31.70	88.32	367.80	2,607.06	3,602.27	3,537.80	64.46	55.882	
12,900.00	12,673.88	12,746.26	12,549.50	35.87	31.81	88.27	407.69	2,606.85	3,602.32	3,537.57	64.75	55.632	
12,950.00	12,688.80	12,788.20	12,559.90	36.01	31.93	88.23	448.32	2,606.64	3,602.36	3,537.30	65.06	55.370	
12,998.59	12,699.25	12,832.40	12,568.01	36.15	37.04	88.21	491.75	2,606.41	3,602.37	3,537.02	65.35	55.125	
13,000.00	12,699.50	12,833.80	12,568.25	36.15	37.05	88.21	493.14	2,606.40	3,602.37	3,537.01	65.36	55.117	
13,023.59	12,703.59	12,856.60	12,571.99	41.04	37.06	88.21	515.62	2,606.28	3,602.35	3,536.86	65.49	55.007	
13,050.00	12,707.82	12,882.01	12,575.52	41.08	37.07	88.21	540.79	2,606.13	3,602.33	3,536.70	65.63	54.888	
13,100.00	12,713.84	12,930.10	12,580.36	41.16	37.09	88.20	588.63	2,605.80	3,602.31	3,536.38	65.93	54.641	
13,150.00	12,717.26	12,978.14	12,582.80	41.25	37.12	88.19	636.60	2,605.43	3,602.30	3,536.04	66.26	54.365	
13,190.34	12,718.11	13,017.47	12,583.11	41.33	37.14	88.19	675.93	2,605.09	3,602.30	3,535.73	66.56	54.118	
13,200.00	12,718.11	13,027.14	12,583.10	41.35	37.15	88.19	685.59	2,605.00	3,602.30	3,535.65	66.64	54.053	
13,300.00	12,718.10	13,127.14	12,583.10	41.56	37.20	88.19	785.59	2,604.11	3,602.29	3,534.76	67.52	53.348	
13,400.00	12,718.10	13,227.14	12,583.10	41.82	37.25	88.19	885.58	2,603.23	3,602.28	3,533.72	68.55	52.547	
13,500.00	12,718.10	13,327.14	12,583.10	42.11	37.31	88.19	985.58	2,602.34	3,602.27	3,532.54	69.73	51.663	
13,600.00	12,718.10	13,427.14	12,583.10	42.44	37.37	88.19	1,085.58	2,601.45	3,602.26	3,531.22	71.03	50.712	
13,700.00	12,718.09	13,527.14	12,583.09	42.83	37.44	88.19	1,185.57	2,600.56	3,602.25	3,529.78	72.47	49.707	
13,800.00	12,718.09	13,627.14	12,583.09	43.28	37.52	88.19	1,285.57	2,599.68	3,602.24	3,528.21	74.03	48.661	
13,900.00	12,718.09	13,727.14	12,583.09	43.79	37.65	88.19	1,385.56	2,598.79	3,602.23	3,526.53	75.70	47.587	
14,000.00	12,718.09	13,827.14	12,583.09	44.37	37.95	88.19	1,485.56	2,597.90	3,602.22	3,524.74	77.48	46.495	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.00	12,718.08	13,927.14	12,583.08	45.02	38.65	88.19	1,585.56	2,597.01	3,602.21	3,522.85	79.35	45.396	
14,200.00	12,718.08	14,027.14	12,583.08	45.74	39.55	88.19	1,685.55	2,596.13	3,602.20	3,520.88	81.32	44.297	
14,300.00	12,718.08	14,127.14	12,583.08	46.52	40.53	88.19	1,785.55	2,595.24	3,602.18	3,518.81	83.37	43.205	
14,400.00	12,718.08	14,227.14	12,583.08	47.37	41.56	88.19	1,885.54	2,594.35	3,602.17	3,516.67	85.51	42.127	
14,500.00	12,718.07	14,327.14	12,583.07	48.28	42.63	88.19	1,985.54	2,593.46	3,602.16	3,514.45	87.71	41.067	
14,600.00	12,718.07	14,427.14	12,583.07	49.25	43.75	88.19	2,085.54	2,592.58	3,602.15	3,512.16	89.99	40.028	
14,700.00	12,718.07	14,527.14	12,583.07	50.26	44.90	88.19	2,185.53	2,591.69	3,602.14	3,509.82	92.33	39.014	
14,800.00	12,718.07	14,627.14	12,583.07	51.32	46.08	88.19	2,285.53	2,590.80	3,602.13	3,507.41	94.73	38.027	
14,900.00	12,718.06	14,727.14	12,583.06	52.42	47.29	88.19	2,385.52	2,589.91	3,602.12	3,504.95	97.18	37.068	
15,000.00	12,718.06	14,827.14	12,583.06	53.56	48.52	88.19	2,485.52	2,589.03	3,602.11	3,502.43	99.68	36.137	
15,100.00	12,718.06	14,927.14	12,583.06	54.74	49.78	88.19	2,585.52	2,588.14	3,602.10	3,499.88	102.23	35.236	
15,200.00	12,718.06	15,027.14	12,583.06	55.94	51.07	88.19	2,685.51	2,587.25	3,602.09	3,497.27	104.82	34.365	
15,300.00	12,718.05	15,127.14	12,583.05	57.17	52.38	88.19	2,785.51	2,586.36	3,602.08	3,494.63	107.45	33.523	
15,400.00	12,718.05	15,227.14	12,583.05	58.43	53.70	88.19	2,885.51	2,585.47	3,602.07	3,491.95	110.12	32.711	
15,500.00	12,718.05	15,327.14	12,583.05	59.71	55.04	88.19	2,985.50	2,584.59	3,602.06	3,489.24	112.82	31.927	
15,600.00	12,718.05	15,427.14	12,583.05	61.02	56.40	88.19	3,085.50	2,583.70	3,602.05	3,486.50	115.56	31.172	
15,700.00	12,718.04	15,527.14	12,583.04	62.34	57.78	88.19	3,185.49	2,582.81	3,602.04	3,483.72	118.32	30.443	
15,800.00	12,718.04	15,627.14	12,583.04	63.68	59.17	88.19	3,285.49	2,581.92	3,602.03	3,480.92	121.11	29.741	
15,900.00	12,718.04	15,727.14	12,583.04	65.04	60.58	88.19	3,385.49	2,581.04	3,602.02	3,478.09	123.93	29.065	
16,000.00	12,718.04	15,827.14	12,583.04	66.41	61.99	88.19	3,485.48	2,580.15	3,602.01	3,475.24	126.77	28.413	
16,100.00	12,718.03	15,927.14	12,583.03	67.80	63.42	88.19	3,585.48	2,579.26	3,602.00	3,472.36	129.64	27.785	
16,200.00	12,718.03	16,027.14	12,583.03	69.20	64.86	88.19	3,685.47	2,578.37	3,601.99	3,469.47	132.53	27.180	
16,300.00	12,718.03	16,127.14	12,583.03	70.61	66.31	88.19	3,785.47	2,577.49	3,601.98	3,466.55	135.43	26.596	
16,400.00	12,718.03	16,227.14	12,583.03	72.04	67.77	88.19	3,885.47	2,576.60	3,601.97	3,463.61	138.36	26.034	
16,500.00	12,718.02	16,327.14	12,583.02	73.47	69.24	88.19	3,985.46	2,575.71	3,601.96	3,460.66	141.30	25.492	
16,600.00	12,718.02	16,427.14	12,583.02	74.92	70.72	88.19	4,085.46	2,574.82	3,601.95	3,457.69	144.26	24.969	
16,700.00	12,718.02	16,527.14	12,583.02	76.37	72.20	88.19	4,185.45	2,573.94	3,601.94	3,454.71	147.23	24.465	
16,800.00	12,718.02	16,627.14	12,583.02	77.83	73.69	88.19	4,285.45	2,573.05	3,601.93	3,451.71	150.22	23.978	
16,900.00	12,718.01	16,727.14	12,583.01	79.31	75.19	88.19	4,385.45	2,572.16	3,601.92	3,448.70	153.22	23.508	
17,000.00	12,718.01	16,827.14	12,583.01	80.79	76.70	88.19	4,485.44	2,571.27	3,601.91	3,445.68	156.23	23.055	
17,100.00	12,718.01	16,927.14	12,583.01	82.27	78.21	88.19	4,585.44	2,570.39	3,601.90	3,442.64	159.26	22.617	
17,200.00	12,718.01	17,027.14	12,583.01	83.77	79.73	88.19	4,685.43	2,569.50	3,601.89	3,439.59	162.30	22.193	
17,300.00	12,718.01	17,127.14	12,583.00	85.27	81.25	88.19	4,785.43	2,568.61	3,601.88	3,436.53	165.35	21.784	
17,400.00	12,718.00	17,227.14	12,583.00	86.77	82.78	88.19	4,885.43	2,567.72	3,601.87	3,433.46	168.40	21.388	
17,491.53	12,718.00	17,318.66	12,583.00	88.16	84.18	88.19	4,976.95	2,566.91	3,601.86	3,430.65	171.21	21.038 SF	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	86.52	241.00	4,454.00	4,462.55				
100.00	100.00	47.00	47.00	0.13	0.06	86.52	241.00	4,454.00	4,462.24	4,462.05	0.19	N/A	
200.00	200.00	147.00	147.00	0.49	0.30	86.52	241.00	4,454.00	4,462.24	4,461.46	0.78	5,710.068	
300.00	300.00	247.00	247.00	0.84	0.65	86.52	241.00	4,454.00	4,462.24	4,460.74	1.50	2,977.979	
400.00	400.00	347.00	347.00	1.20	1.01	86.52	241.00	4,454.00	4,462.24	4,460.02	2.22	2,014.232	
500.00	500.00	447.00	447.00	1.56	1.37	86.52	241.00	4,454.00	4,462.24	4,459.30	2.93	1,521.754	
600.00	600.00	547.00	547.00	1.92	1.73	86.52	241.00	4,454.00	4,462.24	4,458.59	3.65	1,222.785	CC, ES
700.00	699.99	646.99	646.99	2.27	2.09	175.94	241.00	4,454.00	4,463.54	4,459.18	4.36	1,024.226	
800.00	799.91	746.91	746.91	2.62	2.45	175.94	241.00	4,454.00	4,467.46	4,462.40	5.06	882.410	
900.00	899.69	846.69	846.69	2.97	2.80	175.94	241.00	4,454.00	4,473.98	4,468.21	5.77	775.258	
1,000.00	999.27	946.27	946.27	3.33	3.16	175.94	241.00	4,454.00	4,483.11	4,476.63	6.48	691.710	
1,100.00	1,098.57	1,045.57	1,045.57	3.70	3.52	175.94	241.00	4,454.00	4,494.83	4,487.64	7.19	624.909	
1,200.00	1,197.72	1,144.72	1,144.72	4.09	3.87	175.95	241.00	4,454.00	4,507.85	4,499.95	7.90	570.350	
1,300.00	1,296.86	1,243.86	1,243.86	4.48	4.23	175.96	241.00	4,454.00	4,520.87	4,512.26	8.61	524.800	
1,400.00	1,396.01	1,343.01	1,343.01	4.87	4.58	175.97	241.00	4,454.00	4,533.90	4,524.57	9.33	486.099	
1,500.00	1,495.15	1,442.15	1,442.15	5.27	4.94	175.98	241.00	4,454.00	4,546.92	4,536.88	10.04	452.826	
1,600.00	1,594.30	1,541.30	1,541.30	5.66	5.29	175.99	241.00	4,454.00	4,559.94	4,549.18	10.76	423.926	
1,700.00	1,693.44	1,640.44	1,640.44	6.07	5.65	176.00	241.00	4,454.00	4,572.96	4,561.49	11.47	398.597	
1,800.00	1,792.58	1,739.58	1,739.58	6.47	6.00	176.02	241.00	4,454.00	4,585.98	4,573.79	12.19	376.221	
1,900.00	1,891.73	1,838.73	1,838.73	6.87	6.36	176.03	241.00	4,454.00	4,599.00	4,586.10	12.91	356.312	
2,000.00	1,990.87	1,937.87	1,937.87	7.28	6.72	176.04	241.00	4,454.00	4,612.02	4,598.40	13.63	338.487	
2,100.00	2,090.02	2,037.02	2,037.02	7.69	7.07	176.05	241.00	4,454.00	4,625.05	4,610.70	14.34	322.437	
2,200.00	2,189.16	2,136.16	2,136.16	8.10	7.43	176.06	241.00	4,454.00	4,638.07	4,623.01	15.06	307.909	
2,300.00	2,288.31	2,235.31	2,235.31	8.51	7.78	176.07	241.00	4,454.00	4,651.09	4,635.31	15.78	294.699	
2,400.00	2,387.45	2,334.45	2,334.45	8.91	8.14	176.08	241.00	4,454.00	4,664.11	4,647.61	16.50	282.636	
2,500.00	2,486.60	2,433.60	2,433.60	9.32	8.49	176.09	241.00	4,454.00	4,677.14	4,659.91	17.22	271.576	
2,600.00	2,585.74	2,532.74	2,532.74	9.74	8.85	176.10	241.00	4,454.00	4,690.16	4,672.22	17.94	261.401	
2,700.00	2,684.89	2,631.89	2,631.89	10.15	9.20	176.12	241.00	4,454.00	4,703.18	4,684.52	18.66	252.008	
2,800.00	2,784.03	2,731.03	2,731.03	10.56	9.56	176.13	241.00	4,454.00	4,716.21	4,696.82	19.38	243.311	
2,900.00	2,883.17	2,830.17	2,830.17	10.97	9.91	176.14	241.00	4,454.00	4,729.23	4,709.12	20.10	235.236	
3,000.00	2,982.32	2,929.32	2,929.32	11.38	10.27	176.15	241.00	4,454.00	4,742.25	4,721.43	20.83	227.718	
3,100.00	3,081.46	3,028.46	3,028.46	11.79	10.62	176.16	241.00	4,454.00	4,755.28	4,733.73	21.55	220.701	
3,200.00	3,180.61	3,127.61	3,127.61	12.21	10.98	176.17	241.00	4,454.00	4,768.30	4,746.03	22.27	214.138	
3,300.00	3,279.75	3,226.75	3,226.75	12.62	11.34	176.18	241.00	4,454.00	4,781.32	4,758.34	22.99	207.985	
3,400.00	3,378.90	3,325.90	3,325.90	13.03	11.69	176.19	241.00	4,454.00	4,794.35	4,770.64	23.71	202.206	
3,500.00	3,478.04	3,425.04	3,425.04	13.45	12.05	176.20	241.00	4,454.00	4,807.37	4,782.94	24.43	196.768	
3,600.00	3,577.19	3,524.19	3,524.19	13.86	12.40	176.21	241.00	4,454.00	4,820.40	4,795.24	25.15	191.641	
3,700.00	3,676.33	3,623.33	3,623.33	14.27	12.76	176.22	241.00	4,454.00	4,833.42	4,807.55	25.87	186.799	
3,800.00	3,775.47	3,722.47	3,722.47	14.69	13.11	176.23	241.00	4,454.00	4,846.45	4,819.85	26.60	182.219	
3,900.00	3,874.62	3,821.62	3,821.62	15.10	13.47	176.24	241.00	4,454.00	4,859.47	4,832.15	27.32	177.881	
4,000.00	3,973.76	3,920.76	3,920.76	15.51	13.82	176.25	241.00	4,454.00	4,872.50	4,844.46	28.04	173.766	
4,100.00	4,072.91	4,019.91	4,019.91	15.93	14.18	176.26	241.00	4,454.00	4,885.52	4,856.76	28.76	169.857	
4,200.00	4,172.05	4,119.05	4,119.05	16.34	14.53	176.27	241.00	4,454.00	4,898.55	4,869.06	29.48	166.139	
4,300.00	4,271.20	4,218.20	4,218.20	16.76	14.89	176.28	241.00	4,454.00	4,911.57	4,881.37	30.21	162.599	
4,400.00	4,370.34	4,317.34	4,317.34	17.17	15.25	176.29	241.00	4,454.00	4,924.60	4,893.67	30.93	159.224	
4,500.00	4,469.49	4,416.49	4,416.49	17.59	15.60	176.30	241.00	4,454.00	4,937.62	4,905.97	31.65	156.002	
4,600.00	4,568.63	4,515.63	4,515.63	18.00	15.96	176.31	241.00	4,454.00	4,950.65	4,918.28	32.37	152.924	
4,700.00	4,667.77	4,614.77	4,614.77	18.41	16.31	176.32	241.00	4,454.00	4,963.68	4,930.58	33.10	149.980	
4,800.00	4,766.92	4,713.92	4,713.92	18.83	16.67	176.33	241.00	4,454.00	4,976.70	4,942.88	33.82	147.161	
4,900.00	4,866.06	4,813.06	4,813.06	19.24	17.02	176.34	241.00	4,454.00	4,989.73	4,955.19	34.54	144.461	
5,000.00	4,965.21	4,912.21	4,912.21	19.66	17.38	176.35	241.00	4,454.00	5,002.76	4,967.49	35.26	141.870	
5,100.00	5,064.35	5,011.35	5,011.35	20.07	17.73	176.36	241.00	4,454.00	5,015.78	4,979.80	35.99	139.384	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.00	5,163.50	5,110.50	5,110.50	20.49	18.09	176.37	241.00	4,454.00	5,028.81	4,992.10	36.71	136.995	
5,300.00	5,262.64	5,209.64	5,209.64	20.90	18.44	176.38	241.00	4,454.00	5,041.84	5,004.41	37.43	134.699	
5,400.00	5,361.79	5,308.79	5,308.79	21.32	18.80	176.39	241.00	4,454.00	5,054.86	5,016.71	38.15	132.489	
5,500.00	5,460.93	5,407.93	5,407.93	21.57	19.14	176.40	241.00	4,454.00	5,067.89	5,029.21	38.68	131.005	
5,600.00	5,560.08	5,507.08	5,507.08	21.65	19.31	176.40	241.00	4,454.00	5,080.92	5,042.06	38.86	130.752	
5,700.00	5,659.22	5,606.22	5,606.22	21.74	19.31	176.41	241.00	4,454.00	5,093.94	5,055.06	38.88	131.011	
5,800.00	5,758.36	5,705.36	5,705.36	21.84	19.33	176.42	241.00	4,454.00	5,106.97	5,068.05	38.92	131.225	
5,900.00	5,857.51	5,806.73	5,806.73	21.95	19.35	176.43	240.99	4,454.00	5,120.00	5,081.03	38.97	131.390	
6,000.00	5,956.65	5,954.86	5,954.82	22.06	19.39	176.48	237.92	4,453.38	5,132.51	5,093.45	39.06	131.404	
6,100.00	6,055.80	6,102.80	6,102.48	22.18	19.44	176.59	229.24	4,451.65	5,144.08	5,104.92	39.17	131.342	
6,200.00	6,154.94	6,211.84	6,211.12	22.31	19.49	176.70	220.04	4,449.81	5,155.02	5,115.76	39.27	131.282	
6,300.00	6,254.09	6,310.82	6,309.72	22.45	19.54	176.80	211.58	4,448.12	5,165.96	5,126.58	39.38	131.198	
6,400.00	6,353.23	6,409.80	6,408.33	22.59	19.60	176.90	203.12	4,446.42	5,176.91	5,137.41	39.50	131.068	
6,500.00	6,452.38	6,508.78	6,506.93	22.74	19.67	177.00	194.66	4,444.73	5,187.88	5,148.25	39.63	130.894	
6,600.00	6,551.52	6,607.76	6,605.53	22.89	19.75	177.11	186.20	4,443.04	5,198.86	5,159.08	39.78	130.676	
6,700.00	6,650.66	6,706.74	6,704.13	23.06	19.83	177.21	177.74	4,441.35	5,209.87	5,169.92	39.95	130.416	
6,800.00	6,749.81	6,805.72	6,802.73	23.22	19.92	177.30	169.28	4,439.66	5,220.88	5,180.76	40.13	130.115	
6,900.00	6,848.95	6,904.70	6,901.34	23.40	20.01	177.40	160.82	4,437.96	5,231.91	5,191.60	40.32	129.775	
7,000.00	6,948.10	7,003.67	6,999.94	23.58	20.12	177.50	152.36	4,436.27	5,242.96	5,202.44	40.52	129.397	
7,100.00	7,047.24	7,102.65	7,098.54	23.77	20.23	177.60	143.91	4,434.58	5,254.02	5,213.29	40.73	128.982	
7,200.00	7,146.39	7,201.63	7,197.14	23.96	20.34	177.70	135.45	4,432.89	5,265.10	5,224.14	40.96	128.532	
7,300.00	7,245.53	7,300.61	7,295.75	24.16	20.46	177.80	126.99	4,431.20	5,276.20	5,234.99	41.20	128.049	
7,400.00	7,344.68	7,400.41	7,394.35	24.36	20.59	177.89	118.53	4,429.51	5,287.30	5,245.85	41.46	127.531	
7,500.00	7,443.82	7,501.43	7,492.95	24.57	20.73	177.99	110.07	4,427.81	5,298.43	5,256.70	41.73	126.977	
7,600.00	7,542.97	7,602.45	7,591.55	24.78	20.88	178.09	101.61	4,426.12	5,309.57	5,267.56	42.01	126.395	
7,700.00	7,642.11	7,703.47	7,690.16	25.00	21.03	178.18	93.15	4,424.43	5,320.72	5,278.42	42.30	125.785	
7,800.00	7,741.25	7,804.49	7,788.76	25.23	21.18	178.28	84.69	4,422.74	5,331.89	5,289.28	42.60	125.151	
7,900.00	7,840.40	7,905.51	7,887.36	25.45	21.35	178.37	76.23	4,421.05	5,343.07	5,300.15	42.92	124.492	
8,000.00	7,939.54	8,006.54	7,985.96	25.69	21.52	178.47	67.77	4,419.35	5,354.27	5,311.02	43.24	123.812	
8,100.00	8,038.69	8,107.56	8,084.57	25.93	21.69	178.56	59.32	4,417.66	5,365.48	5,321.90	43.58	123.113	
8,199.68	8,137.51	8,208.90	8,182.85	26.17	21.87	178.66	50.88	4,415.98	5,376.67	5,332.74	43.93	122.393	
8,300.00	8,237.14	8,309.46	8,281.91	26.40	22.06	178.75	42.39	4,414.28	5,386.64	5,342.35	44.29	121.634	
8,400.00	8,336.72	8,389.89	8,380.88	26.62	22.21	178.85	33.89	4,412.58	5,393.98	5,349.37	44.61	120.913	
8,500.00	8,436.50	8,476.61	8,467.29	26.82	22.37	178.93	26.73	4,411.15	5,398.78	5,353.83	44.95	120.108	
8,600.00	8,536.42	8,553.98	8,544.50	27.00	22.52	178.98	21.76	4,410.15	5,401.36	5,356.09	45.27	119.316	
8,699.68	8,636.09	8,631.30	8,621.73	27.16	22.67	89.59	18.32	4,409.46	5,401.74	5,356.15	45.58	118.500	
8,800.00	8,736.41	8,709.23	8,699.64	27.31	22.81	89.61	16.41	4,409.08	5,401.23	5,355.33	45.90	117.681	
8,900.00	8,836.41	8,807.00	8,783.41	27.46	22.98	89.62	16.00	4,409.00	5,401.12	5,354.88	46.24	116.808	
9,000.00	8,936.41	8,907.00	8,883.41	27.62	23.15	89.62	16.00	4,409.00	5,401.12	5,354.53	46.59	115.923	
9,100.00	9,036.41	9,007.00	8,983.41	27.78	23.33	89.62	16.00	4,409.00	5,401.12	5,354.17	46.95	115.032	
9,200.00	9,136.41	9,107.00	9,083.41	27.94	23.51	89.62	16.00	4,409.00	5,401.12	5,353.80	47.32	114.135	
9,300.00	9,236.41	9,207.00	9,183.41	28.11	23.69	89.62	16.00	4,409.00	5,401.12	5,353.42	47.70	113.233	
9,400.00	9,336.41	9,307.00	9,283.41	28.28	23.88	89.62	16.00	4,409.00	5,401.12	5,353.04	48.08	112.327	
9,500.00	9,436.41	9,407.00	9,383.41	28.45	24.07	89.62	16.00	4,409.00	5,401.12	5,352.64	48.48	111.417	
9,600.00	9,536.41	9,507.00	9,483.41	28.63	24.27	89.62	16.00	4,409.00	5,401.12	5,352.24	48.88	110.506	
9,700.00	9,636.41	9,607.00	9,583.41	28.81	24.47	89.62	16.00	4,409.00	5,401.12	5,351.84	49.28	109.594	
9,800.00	9,736.41	9,707.00	9,683.41	29.00	24.67	89.62	16.00	4,409.00	5,401.12	5,351.42	49.70	108.681	
9,900.00	9,836.41	9,807.00	9,783.41	29.18	24.88	89.62	16.00	4,409.00	5,401.12	5,351.00	50.12	107.769	
10,000.00	9,936.41	9,907.00	9,883.41	29.37	25.09	89.62	16.00	4,409.00	5,401.12	5,350.58	50.54	106.858	
10,100.00	10,036.41	10,007.00	9,983.41	29.57	25.30	89.62	16.00	4,409.00	5,401.12	5,350.14	50.98	105.948	
10,200.00	10,136.41	10,107.00	10,083.41	29.77	25.52	89.62	16.00	4,409.00	5,401.12	5,349.70	51.42	105.041	
10,300.00	10,236.41	10,207.00	10,183.41	29.97	25.74	89.62	16.00	4,409.00	5,401.12	5,349.25	51.87	104.137	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 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
10,400.00	10,336.41	10,307.00	10,283.41	30.17	25.96	89.62	16.00	4,409.00	5,401.12	5,348.80	52.32	103.237	
10,500.00	10,436.41	10,407.00	10,383.41	30.37	26.19	89.62	16.00	4,409.00	5,401.12	5,348.34	52.78	102.340	
10,600.00	10,536.41	10,507.00	10,483.41	30.58	26.42	89.62	16.00	4,409.00	5,401.12	5,347.88	53.24	101.448	
10,700.00	10,636.41	10,607.00	10,583.41	30.79	26.65	89.62	16.00	4,409.00	5,401.12	5,347.41	53.71	100.561	
10,800.00	10,736.41	10,707.00	10,683.41	31.01	26.88	89.62	16.00	4,409.00	5,401.12	5,346.94	54.18	99.680	
10,900.00	10,836.41	10,807.00	10,783.41	31.22	27.12	89.62	16.00	4,409.00	5,401.12	5,346.46	54.66	98.804	
11,000.00	10,936.41	10,907.00	10,883.41	31.44	27.36	89.62	16.00	4,409.00	5,401.12	5,345.97	55.15	97.934	
11,100.00	11,036.41	11,007.00	10,983.41	31.67	27.60	89.62	16.00	4,409.00	5,401.12	5,345.48	55.64	97.071	
11,200.00	11,136.41	11,107.00	11,083.41	31.89	27.85	89.62	16.00	4,409.00	5,401.12	5,344.98	56.14	96.215	
11,300.00	11,236.41	11,207.00	11,183.41	32.12	28.09	89.62	16.00	4,409.00	5,401.12	5,344.48	56.64	95.365	
11,400.00	11,336.41	11,307.00	11,283.41	32.35	28.34	89.62	16.00	4,409.00	5,401.12	5,343.98	57.14	94.523	
11,500.00	11,436.41	11,407.00	11,383.41	32.58	28.60	89.62	16.00	4,409.00	5,401.12	5,343.47	57.65	93.688	
11,600.00	11,536.41	11,507.00	11,483.41	32.81	28.85	89.62	16.00	4,409.00	5,401.12	5,342.96	58.16	92.861	
11,700.00	11,636.41	11,607.00	11,583.41	33.05	29.11	89.62	16.00	4,409.00	5,401.12	5,342.44	58.68	92.042	
11,800.00	11,736.41	11,707.00	11,683.41	33.28	29.36	89.62	16.00	4,409.00	5,401.12	5,341.92	59.20	91.230	
11,900.00	11,836.41	11,807.00	11,783.41	33.53	29.63	89.62	16.00	4,409.00	5,401.12	5,341.39	59.73	90.427	
12,000.00	11,936.41	11,907.00	11,883.41	33.77	29.89	89.62	16.00	4,409.00	5,401.12	5,340.86	60.26	89.632	
12,100.00	12,036.41	11,993.00	11,983.41	34.01	30.12	89.62	16.00	4,409.00	5,401.12	5,340.36	60.76	88.899	
12,198.59	12,135.00	12,089.47	12,079.46	34.25	30.36	89.54	23.67	4,408.96	5,401.14	5,339.87	61.27	88.159	
12,200.00	12,136.41	12,090.82	12,080.79	34.26	30.36	89.78	23.90	4,408.96	5,401.14	5,339.86	61.27	88.148	
12,250.00	12,186.34	12,138.51	12,127.44	34.38	30.47	89.70	33.73	4,408.91	5,401.17	5,339.65	61.52	87.795	
12,300.00	12,235.88	12,185.61	12,172.55	34.51	30.58	89.62	47.22	4,408.84	5,401.20	5,339.44	61.76	87.456	
12,350.00	12,284.65	12,232.15	12,215.89	34.63	30.68	89.54	64.14	4,408.75	5,401.24	5,339.25	61.99	87.129	
12,400.00	12,332.29	12,278.18	12,257.27	34.75	30.77	89.46	84.28	4,408.64	5,401.28	5,339.07	62.22	86.813	
12,450.00	12,378.42	12,323.73	12,296.49	34.87	30.86	89.39	107.42	4,408.52	5,401.33	5,338.89	62.44	86.504	
12,500.00	12,422.70	12,368.85	12,333.41	34.98	30.94	89.33	133.34	4,408.39	5,401.38	5,338.72	62.66	86.201	
12,550.00	12,464.79	12,413.58	12,367.88	35.09	31.03	89.27	161.82	4,408.24	5,401.43	5,338.54	62.88	85.899	
12,600.00	12,504.37	12,457.95	12,399.78	35.20	31.11	89.21	192.64	4,408.08	5,401.47	5,338.36	63.10	85.596	
12,650.00	12,541.14	12,502.00	12,429.00	35.30	31.20	89.16	225.59	4,407.90	5,401.51	5,338.18	63.33	85.287	
12,700.00	12,574.82	12,545.78	12,455.44	35.41	31.29	89.11	260.47	4,407.72	5,401.54	5,337.97	63.57	84.968	
12,750.00	12,605.15	12,589.31	12,479.02	35.52	31.38	89.07	297.05	4,407.53	5,401.57	5,337.75	63.82	84.637	
12,800.00	12,631.90	12,632.63	12,499.67	35.63	31.48	89.04	335.13	4,407.33	5,401.59	5,337.50	64.08	84.291	
12,850.00	12,654.87	12,675.79	12,517.31	35.75	31.59	89.01	374.50	4,407.12	5,401.59	5,337.23	64.36	83.928	
12,900.00	12,673.88	12,718.81	12,531.90	35.87	31.70	88.99	414.96	4,406.91	5,401.59	5,336.94	64.65	83.547	
12,950.00	12,688.80	12,761.72	12,543.39	36.01	32.65	88.98	456.29	4,406.69	5,401.58	5,336.62	64.96	83.158	
12,998.59	12,699.25	12,804.66	12,551.83	36.15	36.85	88.97	498.39	4,406.47	5,401.55	5,336.31	65.24	82.792	
13,000.00	12,699.50	12,806.07	12,552.07	36.15	36.85	88.97	499.77	4,406.47	5,401.55	5,336.30	65.25	82.781	
13,023.59	12,703.59	12,829.94	12,556.14	41.04	36.86	88.97	523.29	4,406.34	5,401.53	5,336.15	65.38	82.613	
13,050.00	12,707.82	12,857.11	12,559.79	41.08	36.88	88.97	550.22	4,406.18	5,401.51	5,335.98	65.53	82.431	
13,100.00	12,713.84	12,908.36	12,563.17	41.16	36.91	88.96	601.34	4,405.80	5,401.47	5,335.64	65.83	82.049	
13,150.00	12,717.26	12,958.52	12,563.30	41.25	36.93	88.93	651.50	4,405.35	5,401.44	5,335.26	66.18	81.615	
13,190.34	12,718.11	13,001.15	12,563.30	41.33	36.95	88.92	691.82	4,405.00	5,401.43	5,334.94	66.49	81.237	
13,200.00	12,718.11	13,008.51	12,563.30	41.35	36.96	88.92	701.48	4,404.91	5,401.43	5,334.87	66.56	81.149	
13,300.00	12,718.10	13,108.51	12,563.29	41.56	37.01	88.92	801.48	4,404.02	5,401.42	5,333.98	67.45	80.086	
13,400.00	12,718.10	13,208.51	12,563.28	41.82	37.06	88.92	901.47	4,403.14	5,401.42	5,332.94	68.48	78.878	
13,500.00	12,718.10	13,308.51	12,563.27	42.11	37.11	88.92	1,001.47	4,402.25	5,401.41	5,331.75	69.65	77.546	
13,600.00	12,718.10	13,408.51	12,563.27	42.44	37.17	88.92	1,101.47	4,401.37	5,401.40	5,330.43	70.97	76.113	
13,700.00	12,718.09	13,508.51	12,563.26	42.83	37.23	88.92	1,201.46	4,400.48	5,401.39	5,328.98	72.41	74.599	
13,800.00	12,718.09	13,608.51	12,563.25	43.28	37.29	88.92	1,301.46	4,399.59	5,401.38	5,327.41	73.97	73.024	
13,900.00	12,718.09	13,708.51	12,563.25	43.79	37.37	88.92	1,401.45	4,398.71	5,401.37	5,325.74	75.64	71.412	
14,000.00	12,718.09	13,808.51	12,563.24	44.37	37.63	88.92	1,501.45	4,397.82	5,401.36	5,323.94	77.42	69.765	
14,100.00	12,718.08	13,908.51	12,563.23	45.02	38.46	88.92	1,601.45	4,396.94	5,401.35	5,322.05	79.30	68.111	

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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Offset Design Leslie Fed Com - 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

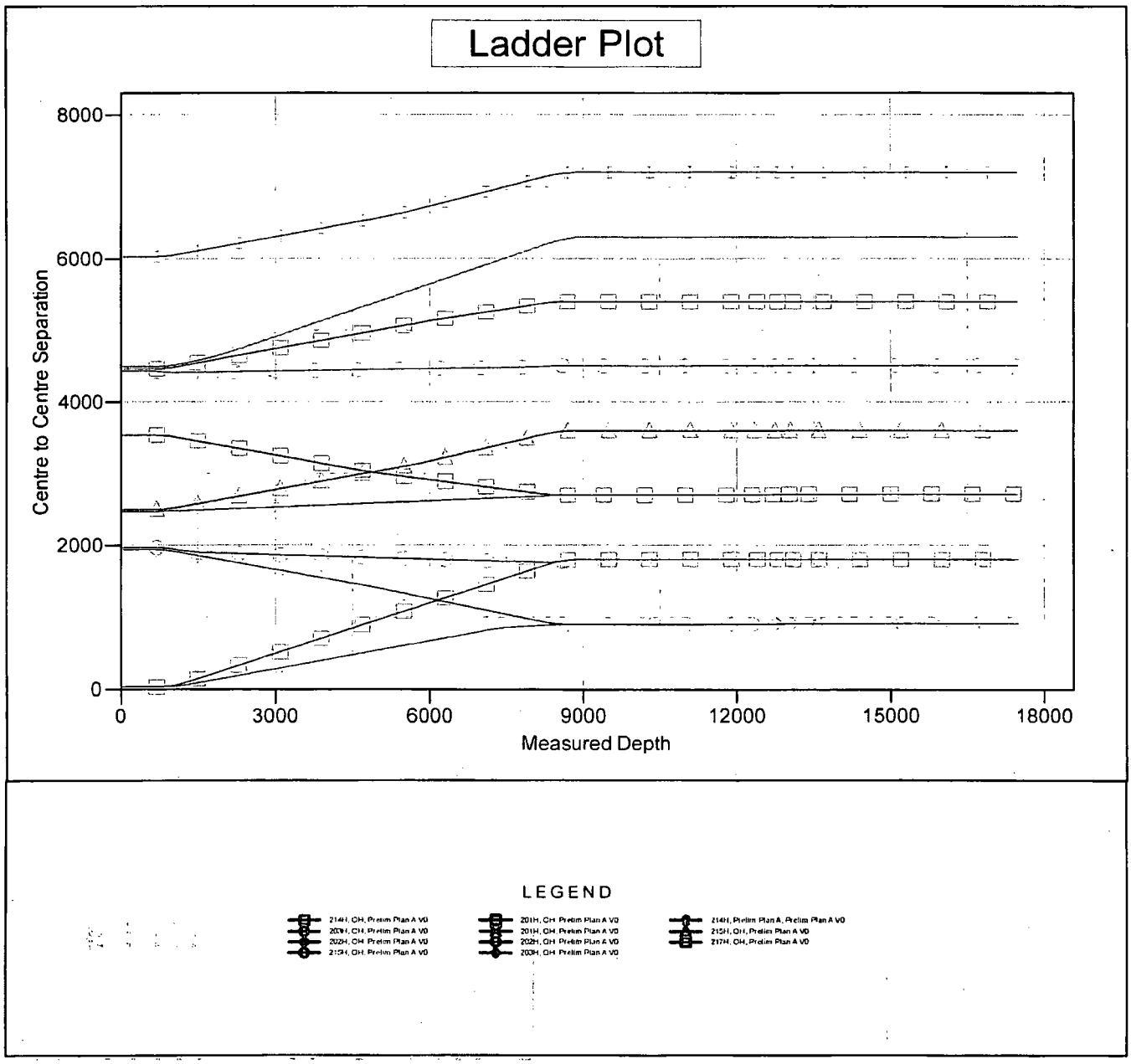
Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,200.00	12,718.08	14,008.51	12,563.23	45.74	39.41	88.92	1,701.44	4,396.05	5,401.35	5,320.07	81.27	66.458	
14,300.00	12,718.08	14,108.51	12,563.22	46.52	40.41	88.92	1,801.44	4,395.16	5,401.34	5,318.01	83.33	64.817	
14,400.00	12,718.08	14,208.51	12,563.21	47.37	41.45	88.92	1,901.43	4,394.28	5,401.33	5,315.86	85.47	63.196	
14,500.00	12,718.07	14,308.51	12,563.21	48.28	42.54	88.92	2,001.43	4,393.39	5,401.32	5,313.64	87.68	61.602	
14,600.00	12,718.07	14,408.51	12,563.20	49.25	43.66	88.92	2,101.43	4,392.51	5,401.31	5,311.35	89.96	60.042	
14,700.00	12,718.07	14,508.51	12,563.19	50.26	44.81	88.92	2,201.42	4,391.62	5,401.30	5,309.00	92.30	58.518	
14,800.00	12,718.07	14,608.51	12,563.18	51.32	46.00	88.92	2,301.42	4,390.73	5,401.29	5,306.59	94.70	57.035	
14,900.00	12,718.06	14,708.51	12,563.18	52.42	47.21	88.92	2,401.42	4,389.85	5,401.29	5,304.13	97.16	55.594	
15,000.00	12,718.06	14,808.51	12,563.17	53.56	48.45	88.92	2,501.41	4,388.96	5,401.28	5,301.62	99.66	54.196	
15,100.00	12,718.06	14,908.51	12,563.16	54.74	49.72	88.92	2,601.41	4,388.08	5,401.27	5,299.06	102.21	52.845	
15,200.00	12,718.06	15,008.51	12,563.16	55.94	51.01	88.92	2,701.40	4,387.19	5,401.26	5,296.45	104.81	51.535	
15,300.00	12,718.05	15,108.51	12,563.15	57.17	52.32	88.92	2,801.40	4,386.30	5,401.25	5,293.81	107.44	50.273	
15,400.00	12,718.05	15,208.51	12,563.14	58.43	53.65	88.92	2,901.40	4,385.42	5,401.24	5,291.13	110.11	49.052	
15,500.00	12,718.05	15,308.51	12,563.14	59.71	54.99	88.92	3,001.39	4,384.53	5,401.23	5,288.42	112.82	47.877	
15,600.00	12,718.05	15,408.51	12,563.13	61.02	56.35	88.92	3,101.39	4,383.65	5,401.23	5,285.67	115.55	46.742	
15,700.00	12,718.04	15,508.51	12,563.12	62.34	57.73	88.92	3,201.38	4,382.76	5,401.22	5,282.89	118.32	45.649	
15,800.00	12,718.04	15,608.51	12,563.12	63.68	59.13	88.92	3,301.38	4,381.87	5,401.21	5,280.09	121.12	44.595	
15,900.00	12,718.04	15,708.51	12,563.11	65.04	60.53	88.92	3,401.38	4,380.99	5,401.20	5,277.26	123.94	43.580	
16,000.00	12,718.04	15,808.51	12,563.10	66.41	61.95	88.92	3,501.37	4,380.10	5,401.19	5,274.41	126.78	42.602	
16,100.00	12,718.03	15,908.51	12,563.10	67.80	63.38	88.92	3,601.37	4,379.22	5,401.18	5,271.53	129.65	41.660	
16,200.00	12,718.03	16,008.51	12,563.09	69.20	64.82	88.92	3,701.36	4,378.33	5,401.17	5,268.64	132.54	40.752	
16,300.00	12,718.03	16,108.51	12,563.08	70.61	66.28	88.92	3,801.36	4,377.44	5,401.16	5,265.72	135.45	39.877	
16,400.00	12,718.03	16,208.51	12,563.07	72.04	67.74	88.92	3,901.36	4,376.56	5,401.16	5,262.78	138.37	39.033	
16,500.00	12,718.02	16,308.51	12,563.07	73.47	69.21	88.92	4,001.35	4,375.67	5,401.15	5,259.83	141.32	38.220	
16,600.00	12,718.02	16,408.51	12,563.06	74.92	70.69	88.92	4,101.35	4,374.79	5,401.14	5,256.86	144.28	37.436	
16,700.00	12,718.02	16,508.51	12,563.05	76.37	72.17	88.92	4,201.34	4,373.90	5,401.13	5,253.88	147.25	36.680	
16,800.00	12,718.02	16,608.51	12,563.05	77.83	73.67	88.92	4,301.34	4,373.01	5,401.12	5,250.88	150.24	35.950	
16,900.00	12,718.01	16,708.51	12,563.04	79.31	75.17	88.92	4,401.34	4,372.13	5,401.11	5,247.87	153.24	35.245	
17,000.00	12,718.01	16,808.51	12,563.03	80.79	76.67	88.92	4,501.33	4,371.24	5,401.10	5,244.84	156.26	34.565	
17,100.00	12,718.01	16,908.51	12,563.03	82.27	78.19	88.92	4,601.33	4,370.36	5,401.10	5,241.81	159.29	33.908	
17,200.00	12,718.01	17,008.51	12,563.02	83.77	79.71	88.92	4,701.32	4,369.47	5,401.09	5,238.76	162.33	33.273	
17,300.00	12,718.01	17,108.51	12,563.01	85.27	81.23	88.92	4,801.32	4,368.58	5,401.08	5,235.70	165.38	32.659	
17,400.00	12,718.00	17,208.51	12,563.01	86.77	82.76	88.92	4,901.32	4,367.70	5,401.07	5,232.63	168.44	32.066	
17,485.90	12,718.00	17,294.41	12,563.00	88.07	84.08	88.92	4,987.21	4,366.94	5,401.06	5,229.99	171.07	31.571 SF	
17,491.53	12,718.00	17,287.20	12,563.00	88.16	83.97	88.92	4,980.00	4,367.00	5,401.08	5,230.06	171.02	31.581	

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Rig @ 3361.00usft (GL:3332' + KB:29	Coordinates are relative to: Biggers Fed Com
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.50°



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

Pro Directional

Anticollision Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Site Biggers Fed Com
Project:	Lea County, NM	**TVD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Reference Site:	Biggers Fed Com	**MD Reference:**	Rig @ 3361.00usft (GL:3332' + KB:29')
Site Error:	0.00 usft	**North Reference:**	Grid
Reference Well:	217H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.00 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OH	**Database:**	WellPlanner1
Reference Design:	Prelim Plan A	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to Rig @ 3361.00usft (GL:3332' + KB:29

Offset Depths are relative to Offset Datum

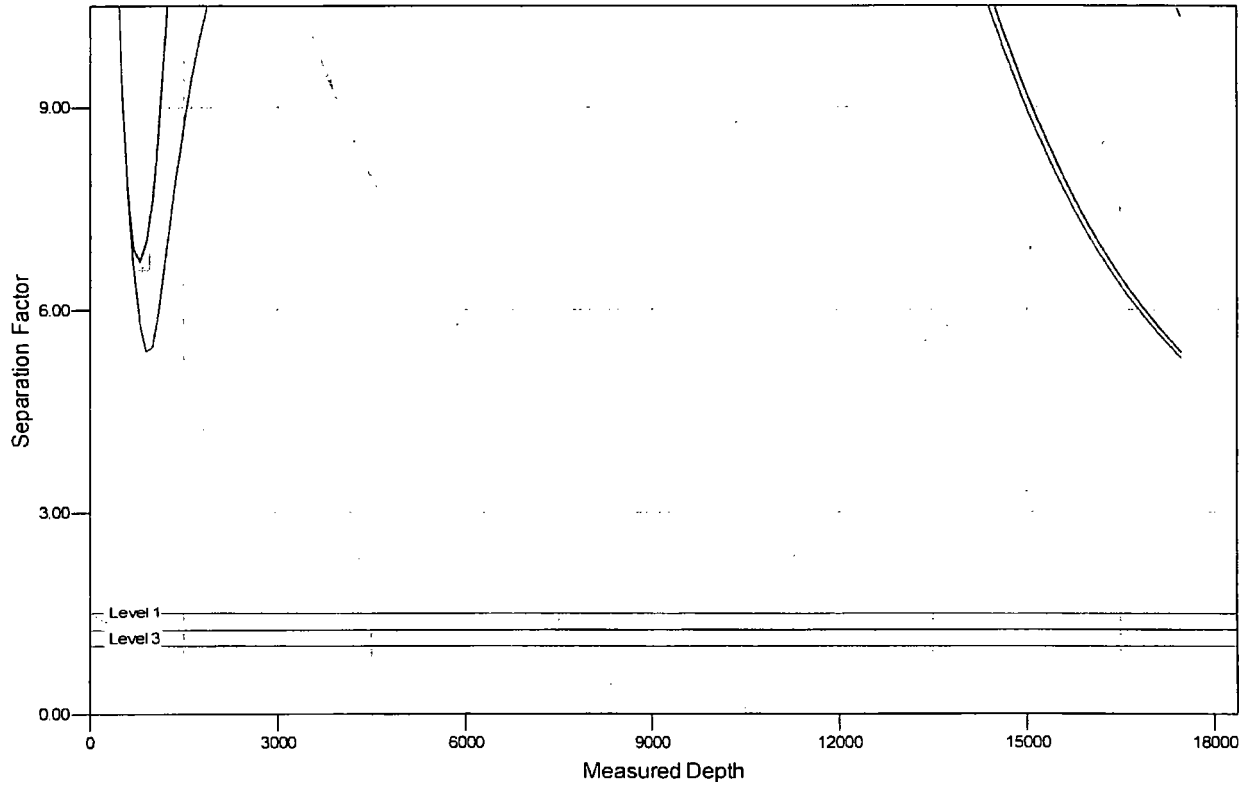
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Biggers Fed Com

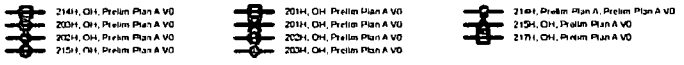
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.50°

Separation Factor Plot



LEGEND



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

Matador Production Company
Biggers Fed Com 217H
SHL 59' FSL & 1256' FEL
BHL 240' FNL & 2250' FEL
Sec. 18, 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	440	440	water
Rustler anhydrite	930	930	brine
Top salt	1447	1451	barren
Castile anhydrite	3737	3761	barren
Base salt	5448	5487	barren
Bell Canyon Sandstone	5488	5527	hydrocarbons
Cherry Canyon Sandstone	6492	6540	hydrocarbons
Brushy Canyon Sandstone	7962	8022	hydrocarbons
Bone Spring Limestone	9305	9368	hydrocarbons
1st Bone Spring Sand	10399	10462	hydrocarbons
1st Bone Spring Carbonate	10445	10508	hydrocarbons
2nd Bone Spring Carbonate	10636	10700	hydrocarbons
2nd Bone Spring Sand	11039	11102	hydrocarbons
3rd Bone Spring Carbonate	11466	11529	hydrocarbons
(KOP	12136	12200	hydrocarbons)
3rd Bone Spring Sand	12119	12182	hydrocarbons
Wolfcamp A Limestone	12488	12579	hydrocarbons
Wolfcamp A Fat Carbonate	12581	12704	hydrocarbons & goal
TD	12718	17492	hydrocarbons

2. NOTABLE ZONES

Wolfcamp A Fat 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 (C 02296) is 3712' north. Depth to water is 230' in this 300' deep well.

3. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

4. CASING & CEMENT

All casing will be API and new.

Hole O. D.	Set MD	Set TVD	Casing O. D.	Weight (lb/ft)	Grade	Joint	Collapse	Burst	Tension
17.5"	0' - 1000'	0' - 1000'	13.375"	54.5	J-55	BTC	1.125	1.125	1.8
12.25"	0' - 5600'	0' - 5560'	9.625"	40	J-55	BTC	1.125	1.125	1.8
8.75"	0' - 12999'	0' – 12699'	7"	29	P-110	BTC	1.125	1.125	1.8
6.125"	0' – 17492'	0' – 12718'	4.5"	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	560	2.36	1321	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 = 12400'		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' - 12999'	9.0	30-31	NC
OBM	12999' - 17492'	12.5	50-60	<10

6. CORES, TESTS, & LOGS

No core or drill stem test is planned. A 2-person mud-logging program will be used from ≈5600' to TD. No electric logs are planned at this time. GR will be collected through the MWD tools from intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to TOC.

7. DOWN HOLE CONDITIONS

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

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

8. OTHER INFORMATION

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

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

APD ID: 10400023191 **Submission Date:** 10/10/2017

Operator Name: MATADOR PRODUCTION COMPANY

Well Name: BIGGERS FED COM **Well Number:** 217H

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

Highlighted data reflects the most recent changes
Show Final Text

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:

Biggers_217H_Road_Map_20171010110144.pdf

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

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? YES

New Road Map:

Biggers_217H_New_Road_Map_20171010114448.pdf

New road type: RESOURCE

Length: 579.65 Feet **Width (ft.):** 30

Max slope (%): 0 **Max grade (%):** 1

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

New road access erosion control: Crowned and ditched

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Surface Use Plan

1. ROAD DIRECTIONS & DESCRIPTIONS (See MAPS 1 - 5)

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 2/3 mile on a caliche road
Then turn left and go Northeast 579.65' cross-country to the SW pad corner

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.

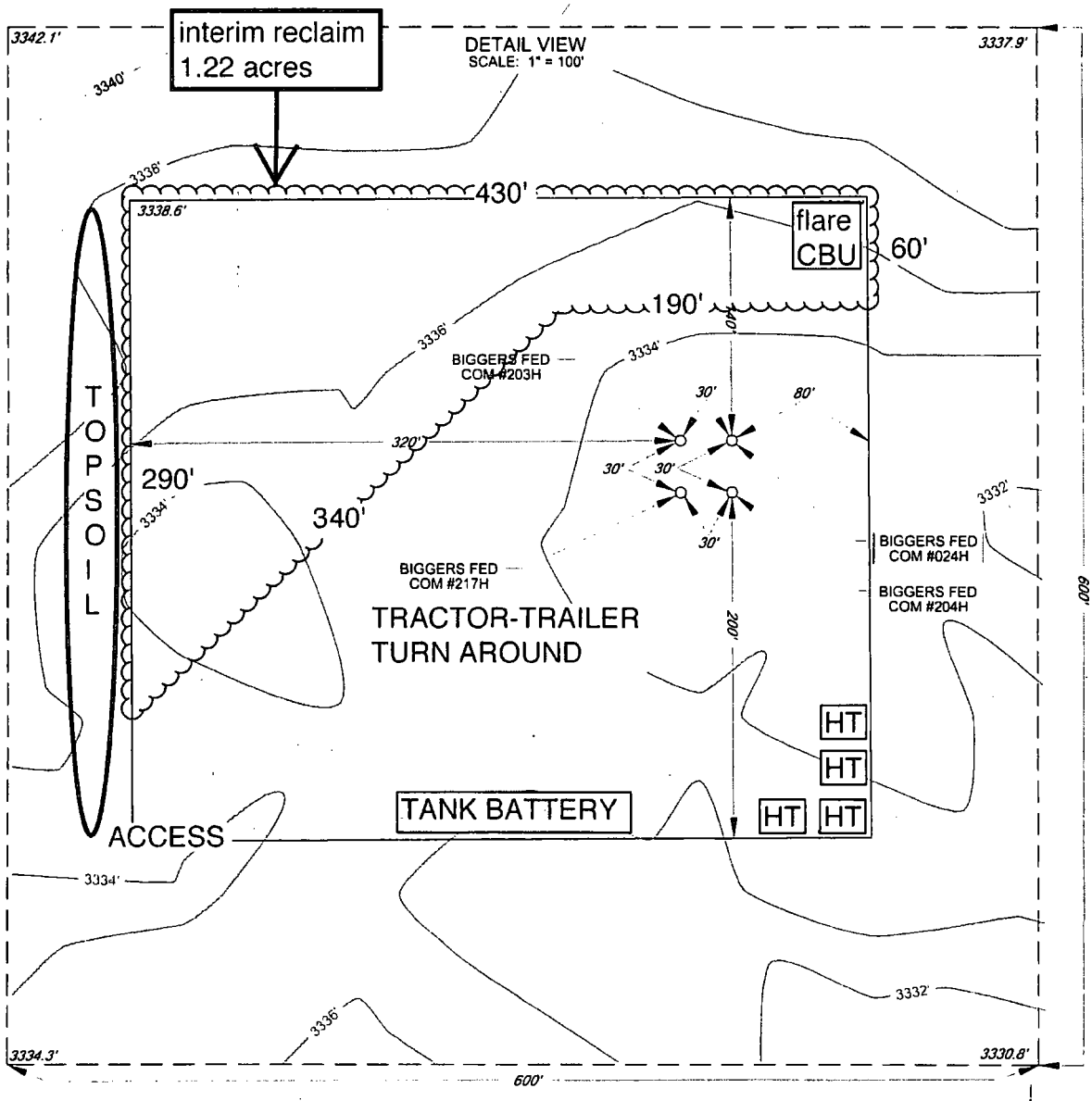
2. ROAD TO BE BUILT OR UPGRADED (See MAPS 4 & 5)

The 579.65' of new resource road will be crowned and ditched, have a 14' wide driving surface, and be surfaced with caliche. Maximum disturbed width = 30'. Maximum grade = 1%. Maximum cut or fill = 2'. No culvert, cattle guard, or vehicle turn out is needed. Upgrading will consist of patching potholes with caliche.

3. EXISTING WELLS (See MAP 3)

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

SECTION 18, TOWNSHIP 25-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEGEND

ARCH SITE

INTERIM RECLAMATION & PRODUCTION DIAGRAM

SCALE: 1" = 100'

0' 50' 100'

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

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

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
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ORIGINAL DOCUMENT SIZE: 8.5" X 11"

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4. PROPOSED PRODUCTION FACILITIES

Tank battery and related production equipment will be on the south and east sides 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 west of the pad. V-door will face south. Closed loop drilling system will be used. Caliche will be hauled from existing caliche pits on private land (Destiny pit in NENE 4-25s-35e and 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)

Also 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 ≈33% (1.22 acre) by removing caliche and reclaiming swaths on the west and north sides of the pad. This will leave 2.43 acres for the production equipment (e. g., tank battery, heater-treaters, flare), pump jacks, and tractor-trailer turn around. Disturbed areas will be contoured to match pre-construction grades. Soil and brush will be evenly spread over disturbed areas and harrowed on the contour. Disturbed areas will be seeded in accordance with BLM 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:

579.65' x 30' new road = 0.40 acre
+ 370' x 430' pad = 3.65 acres
4.05 acres short term
- 1.22 acre interim pad reclamation
2.83 acres long term

11. SURFACE OWNER

All construction will be on BLM.

12. OTHER INFORMATION

On site inspection was held with Vance Wolf on October 27, 2016 and with Vance Wolf, Kelly Reid, and Stan Allison (all BLM) on November 30, 2016.

Lone Mountain filed archaeology report NMCRIS-138616 on July 28, 2017.

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 21st day of September, 2017.

B. Wood

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PERMITS WEST, INC.
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