

Well Name: VONI FED COM	Well Location: T26S / R31E / SEC 21 / NENE / 32.034751 / -103.7789271	County or Parish/State: EDDY / NM
Well Number: 134H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138866	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001547077	Well Status: Approved Application for Permit to Drill	Operator: MATADOR PRODUCTION COMPANY

Notice of Intent

Type of Submission: Notice of Intent

Type of Action Other

Date Sundry Submitted: 03/10/2021

Time Sundry Submitted: 05:07

Date proposed operation will begin: 09/01/2021

Procedure Description: BLM Bond No.: NMB001079 Surety Bond No.: RLB0015172 Matador requests the option to amend the casing and cement design to the attached plan. Add option to slim down 9-5/8" casing to 7-5/8" casing and deepen. Please see the supporting documentation attached and contact Blake Hermes at 972-371-5485 or bhermes@matadorresources.com for any questions. Matador requests to move the SHL of the Voni Fed Com 134H well from 260' FNL and 1316' FEL of Sec. 21-26S-31E to 290' FNL and 1208' FEL of Sec. 21-26S-31E. Also, Matador requests the BHL be revised from 100' FSL and 660' FEL to 100' FSL and 990' FEL of Sec. 33-26S-31E. Please see attached C102.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Voni_Fed_Com_134H_Directional_AC_Report_v3_20210310170526.pdf
- Voni_Fed_Com_134H_Directional_Well_Plan_v3_20210310170455.pdf
- Voni_Fed_Com_134H_Directional_Wall_Plot_v3_20210310170449.pdf
- Voni_Fed_Com_134H_Drill_Plan_20210310170436.pdf
- Voni_Fed_Com_134H_Casing_Table_Spec_20210310170434.pdf
- LO_VONI_FED_COM_134H_REV3_C_102_S_20210310170248.pdf

County or Parish/State: EDDY / NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: MATADOR
PRODUCTION COMPANY

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-47077	² Pool Code 97860	³ Pool Name JENNINGS; BONE SPRING, WEST
⁴ Property Code 328098	⁵ Property Name VONI FED COM	⁶ Well Number 134H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3192'

¹⁰Surface Location

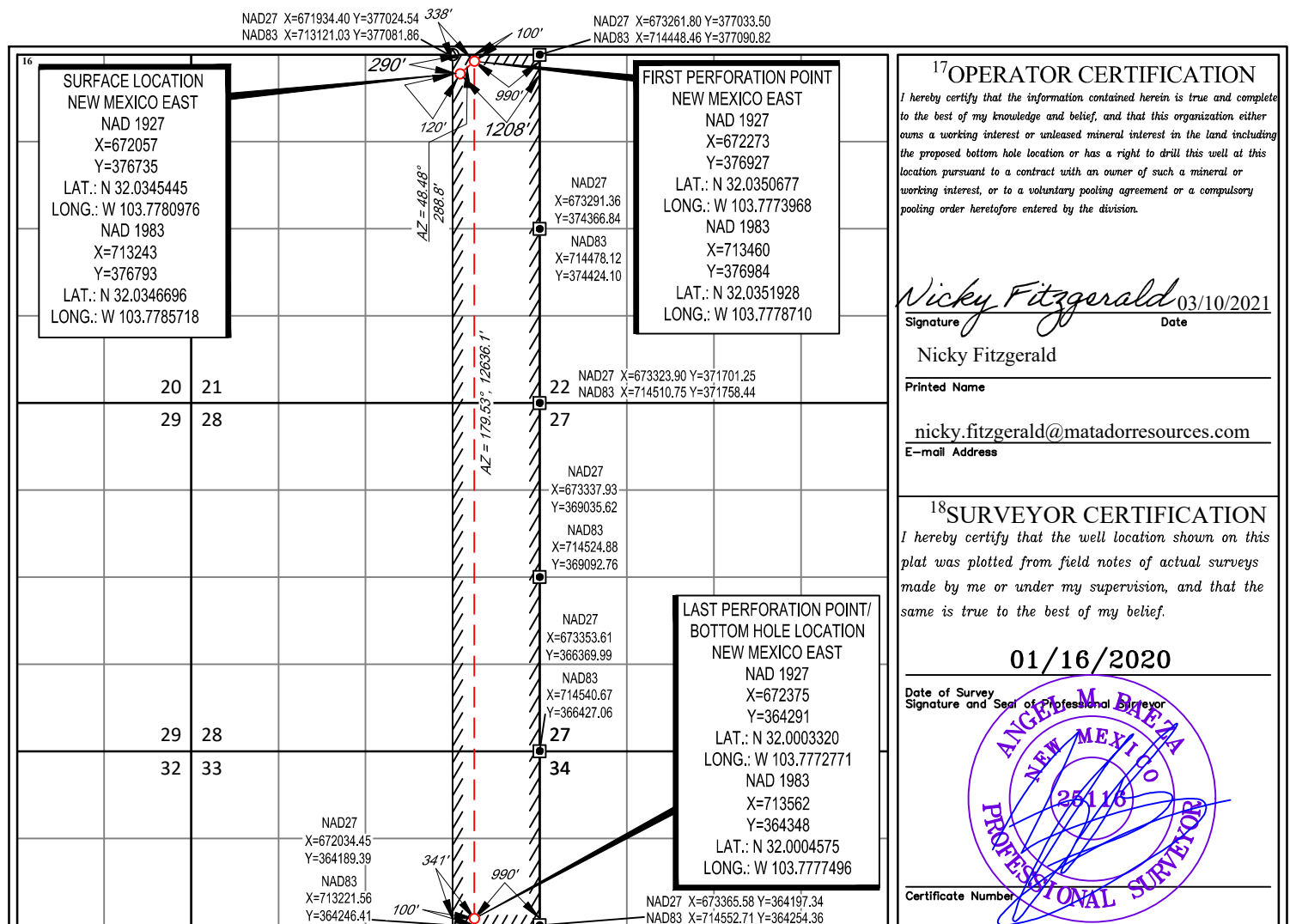
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	21	26-S	31-E	-	290'	NORTH	1208'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	33	26-S	31-E	-	100'	SOUTH	990'	EAST	EDDY

¹² Dedicated Acres 385.22	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Matador
LEASE NO.:	NMNM138866
LOCATION:	Section 21, T.26 S., R.31 E., NMPM
COUNTY:	Lea County, New Mexico

WELL NAME & NO.:	Voni Fed Com 134H
SURFACE HOLE FOOTAGE:	290'/N & 1208'/E
BOTTOM HOLE FOOTAGE:	100'/S & 990'/E

COA

ALL PREVIOUS COAs STILL APPLY

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☐ Low	☐ Medium	☒ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☒ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☒ COM	☐ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The 13-3/8 inch surface casing shall be set at approximately **1092** feet (a minimum of **70 feet (Eddy County)** into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Intermediate casing must be kept 1/3rd fluid filled to meet BLM minimum collapse requirement.

- 2. The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.

Additional cement maybe required. Excess calculates to 16%.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:

- Cement to surface. If cement does not circulate, contact the appropriate BLM office.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.

- ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

Operator has proposed to pump down 7-5/8" X 13-3/8" annulus. Operator must run a CBL from TD of the 7-5/8" casing to surface. Submit results to BLM.

- 3. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. **Additional cement maybe required. Excess calculates to 8%.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. 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 **5000 (5M)** 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. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, 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.

GENERAL REQUIREMENTS

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

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

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a

digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

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

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after

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

- b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
- c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore

Order No. 2.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

ZS042721

Casing Table Specification Sheet

Voni Fed Com 134H

SHL: 290' FNL & 1208' FEL Section 21

BHL: 100' FSL & 990' FEL Section 33

Township/Range: 26S 31E

Elevation Above Sea Level: 3192

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1092	0 - 1092	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9920	0 - 9886	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 23112	0 - 10609	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8



Matador Production Company

Rustler Breaks

Voni

Voni Fed Com #134H

Wellbore #1

BLM Plan #2

Anticollision Report

24 February, 2021



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	2/24/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	23,112.4	BLM Plan #2 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Voni						
Voni Fed Com #024H - Wellbore #1 - BLM Plan #1	1,841.3	1,850.2	46.1	33.1	3.532	CC
Voni Fed Com #024H - Wellbore #1 - BLM Plan #1	7,200.0	7,214.3	78.4	26.4	1.509	ES, SF
Voni Fed Com #104H - Wellbore #1 - BLM Plan #1	2,101.2	2,103.8	56.4	41.8	3.850	CC, ES
Voni Fed Com #104H - Wellbore #1 - BLM Plan #1	5,200.0	5,202.5	121.9	83.8	3.196	SF
Voni Fed Com #108H - Wellbore #1 - BLM Plan #1	1,369.9	1,374.0	48.2	38.7	5.074	CC, ES
Voni Fed Com #108H - Wellbore #1 - BLM Plan #1	1,400.0	1,403.6	48.5	38.8	4.983	SF
Voni Fed Com #114H - Wellbore #1 - BLM Plan #1	1,500.0	1,498.0	42.4	32.1	4.121	CC
Voni Fed Com #114H - Wellbore #1 - BLM Plan #1	1,600.0	1,597.7	42.8	31.8	3.889	ES
Voni Fed Com #114H - Wellbore #1 - BLM Plan #1	1,800.0	1,796.7	46.4	34.0	3.735	SF
Voni Fed Com #124H - Wellbore #1 - Wellbore #1	6,683.5	6,662.3	62.9	15.1	1.316	Level 3, CC
Voni Fed Com #124H - Wellbore #1 - Wellbore #1	6,700.0	6,678.8	62.9	15.0	1.313	Level 3, ES, SF
Voni Fed Com #204H - Wellbore #1 - Wellbore #1	750.4	748.4	79.1	74.5	16.868	CC
Voni Fed Com #204H - Wellbore #1 - Wellbore #1	1,300.0	1,298.0	80.3	71.7	9.317	ES
Voni Fed Com #204H - Wellbore #1 - Wellbore #1	22,973.5	23,637.8	614.8	415.7	3.088	SF
Voni Fed Com #218H - Wellbore #1 - Wellbore #1	0.0	0.0	110.0			
Voni Fed Com #218H - Wellbore #1 - Wellbore #1	100.0	97.3	110.3	110.0	389.990	ES
Voni Fed Com #218H - Wellbore #1 - Wellbore #1	10,150.0	10,162.1	225.4	154.0	3.156	SF
Voni Fed Com #224H - Wellbore #1 - BLM Plan #1	2,896.0	2,905.3	26.6	6.3	1.311	Level 3, CC, ES, SF
Voni Fed Com #228H - Wellbore #1 - BLM Plan #1	9,792.9	9,802.7	63.1	-8.2	0.884	Level 1, CC
Voni Fed Com #228H - Wellbore #1 - BLM Plan #1	9,800.0	9,804.3	63.1	-8.3	0.884	Level 1, ES, SF
Voni Fed Com #244H - Wellbore #1 - BLM Plan #1	2,500.0	2,501.0	143.2	125.8	8.200	CC
Voni Fed Com #244H - Wellbore #1 - BLM Plan #1	2,600.0	2,601.0	143.9	125.7	7.917	ES
Voni Fed Com #244H - Wellbore #1 - BLM Plan #1	10,600.0	10,545.0	320.1	245.7	4.300	SF

Offset Design		Voni - Voni Fed Com #024H - Wellbore #1 - BLM Plan #1										Offset Site Error:		0.0 usft	
Survey Program:		0-MWD										Offset Well Error:		0.0 usft	
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
0.0	0.0	1.0	1.0	0.0	0.0	-90.40	-1.0	-140.1	140.1						
100.0	100.0	101.0	101.0	0.1	0.1	-90.40	-1.0	-140.1	140.1	139.9	0.26	539.223			
200.0	200.0	201.0	201.0	0.5	0.5	-90.40	-1.0	-140.1	140.1	139.2	0.98	143.463			
300.0	300.0	301.0	301.0	0.8	0.8	-90.40	-1.0	-140.1	140.1	138.4	1.69	82.738			
400.0	400.0	401.0	401.0	1.2	1.2	-90.40	-1.0	-140.1	140.1	137.7	2.41	58.132			

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #024H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
500.0	500.0	501.0	501.0	1.6	1.6	-90.40	-1.0	-140.1	140.1	137.0	3.13	44.806		
600.0	600.0	603.4	603.4	1.9	1.9	-90.27	-0.7	-139.3	139.3	135.4	3.85	36.189		
700.0	700.0	705.7	705.6	2.3	2.3	-89.89	0.3	-136.7	136.7	132.2	4.57	29.939		
800.0	800.0	807.8	807.7	2.6	2.6	-89.22	1.8	-132.3	132.5	127.2	5.29	25.067		
900.0	900.0	909.8	909.4	3.0	3.0	-88.21	3.9	-126.3	126.7	120.7	6.01	21.091		
1,000.0	1,000.0	1,011.5	1,010.8	3.4	3.4	-86.78	6.7	-118.6	119.2	112.5	6.73	17.729		
1,100.0	1,100.0	1,112.9	1,111.7	3.7	3.8	-84.76	10.0	-109.3	110.3	102.8	7.44	14.816		
1,200.0	1,200.0	1,213.9	1,212.0	4.1	4.1	-81.93	13.9	-98.3	99.9	91.7	8.16	12.241		
1,300.0	1,300.0	1,314.2	1,311.5	4.4	4.5	-77.89	18.4	-85.7	88.3	79.4	8.88	9.946		
1,400.0	1,400.0	1,413.2	1,409.5	4.8	4.9	-72.44	23.0	-72.8	76.8	67.2	9.61	7.989		
1,500.0	1,500.0	1,512.3	1,507.6	5.1	5.3	-65.17	27.7	-59.8	66.2	55.8	10.36	6.389		
1,600.0	1,600.0	1,611.3	1,605.7	5.5	5.7	-55.40	32.3	-46.8	57.0	45.9	11.13	5.124		
1,700.0	1,700.0	1,710.3	1,703.7	5.9	6.1	-42.50	36.9	-33.8	50.1	38.2	11.93	4.202		
1,800.0	1,800.0	1,809.4	1,801.8	6.2	6.5	-26.64	41.5	-20.8	46.5	33.7	12.73	3.650		
1,841.3	1,841.3	1,850.2	1,842.3	6.4	6.7	-19.61	43.4	-15.5	46.1	33.1	13.06	3.532 CC		
1,900.0	1,900.0	1,908.4	1,899.9	6.6	6.9	-9.66	46.2	-7.9	46.8	33.3	13.50	3.469		
2,000.0	2,000.0	2,007.4	1,997.9	6.9	7.3	5.77	50.8	5.1	51.1	36.9	14.21	3.599		
2,100.0	2,100.0	2,106.4	2,096.0	7.3	7.7	18.10	55.4	18.1	58.5	43.6	14.89	3.930		
2,200.0	2,200.0	2,205.5	2,194.1	7.7	8.1	27.38	60.0	31.1	68.0	52.4	15.56	4.369		
2,300.0	2,300.0	2,304.5	2,292.1	8.0	8.6	34.28	64.7	44.1	78.8	62.5	16.24	4.851		
2,400.0	2,400.0	2,403.5	2,390.2	8.4	9.0	39.47	69.3	57.1	90.4	73.5	16.92	5.343		
2,500.0	2,500.0	2,502.5	2,488.2	8.7	9.4	43.46	73.9	70.0	102.6	85.0	17.62	5.825		
2,600.0	2,600.0	2,601.7	2,586.4	9.1	9.8	-16.01	78.5	83.0	114.4	96.1	18.31	6.246		
2,700.0	2,700.0	2,701.0	2,684.8	9.4	10.2	-13.73	83.2	96.1	124.7	105.7	19.01	6.560		
2,800.0	2,799.9	2,800.6	2,783.4	9.8	10.6	-11.95	87.8	109.1	133.5	113.8	19.72	6.772		
2,900.0	2,899.7	2,900.3	2,882.1	10.1	11.0	-10.53	92.5	122.2	140.7	120.3	20.43	6.889		
3,000.0	2,999.4	3,000.1	2,980.9	10.5	11.4	-9.36	97.2	135.3	146.3	125.2	21.14	6.920		
3,100.0	3,098.9	3,100.1	3,079.8	10.8	11.9	-8.37	101.8	148.4	150.2	128.3	21.86	6.871		
3,200.0	3,198.3	3,200.1	3,178.8	11.2	12.3	-7.53	106.5	161.5	152.4	129.8	22.58	6.750		
3,300.0	3,297.4	3,300.1	3,277.8	11.6	12.7	-6.78	111.2	174.6	152.9	129.6	23.30	6.563		
3,400.0	3,396.4	3,399.9	3,376.8	11.9	13.1	-6.08	115.8	187.7	152.5	128.5	24.02	6.352		
3,500.0	3,495.5	3,500.2	3,475.8	12.3	13.5	-5.37	120.5	200.8	152.2	127.5	24.74	6.153		
3,600.0	3,594.5	3,600.2	3,574.8	12.7	13.9	-4.66	125.2	213.9	151.9	126.5	25.46	5.967		
3,700.0	3,693.5	3,700.2	3,673.8	13.1	14.4	-3.94	129.8	227.0	151.7	125.5	26.18	5.792		
3,800.0	3,792.5	3,799.8	3,772.9	13.4	14.8	-3.23	134.5	240.1	151.4	124.5	26.91	5.627		
3,900.0	3,891.6	3,900.2	3,871.9	13.8	15.2	-2.51	139.2	253.2	151.2	123.5	27.63	5.471		
4,000.0	3,990.6	4,000.3	3,970.9	14.2	15.6	-1.79	143.9	266.3	151.0	122.6	28.36	5.325		
4,100.0	4,089.6	4,099.7	4,069.9	14.6	16.0	-1.06	148.5	279.4	150.8	121.7	29.08	5.186		
4,200.0	4,188.6	4,200.3	4,168.9	15.0	16.4	-0.34	153.2	292.5	150.6	120.8	29.81	5.054		
4,300.0	4,287.7	4,300.3	4,267.9	15.4	16.9	0.38	157.9	305.6	150.5	120.0	30.53	4.930		
4,400.0	4,386.7	4,400.3	4,366.9	15.8	17.3	1.11	162.5	318.8	150.4	119.2	31.26	4.812		
4,500.0	4,485.7	4,500.3	4,465.9	16.2	17.7	1.84	167.2	331.9	150.3	118.3	31.98	4.700		
4,600.0	4,584.8	4,599.6	4,564.9	16.6	18.1	2.57	171.9	345.0	150.3	117.6	32.71	4.594		
4,700.0	4,683.8	4,700.4	4,663.9	17.0	18.5	3.29	176.6	358.1	150.2	116.8	33.44	4.493		
4,782.9	4,765.9	4,782.5	4,746.0	17.3	18.9	3.90	180.4	368.9	150.2	116.2	34.04	4.413		
4,800.0	4,782.8	4,800.4	4,762.9	17.3	19.0	4.02	181.2	371.2	150.2	116.1	34.17	4.397		
4,900.0	4,881.8	4,900.4	4,862.0	17.7	19.4	4.75	185.9	384.3	150.3	115.4	34.90	4.305		
5,000.0	4,980.9	5,000.4	4,961.0	18.1	19.8	5.48	190.6	397.4	150.3	114.7	35.63	4.218		
5,100.0	5,079.9	5,099.5	5,060.0	18.5	20.2	6.21	195.2	410.5	150.4	114.0	36.36	4.135		
5,200.0	5,178.9	5,200.5	5,159.0	18.9	20.6	6.93	199.9	423.6	150.4	113.3	37.10	4.055		
5,300.0	5,277.9	5,300.5	5,258.0	19.3	21.1	7.66	204.6	436.7	150.6	112.7	37.83	3.980		
5,400.0	5,377.0	5,399.5	5,357.0	19.7	21.5	8.39	209.2	449.8	150.7	112.1	38.56	3.908		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
5,500.0	5,476.0	5,499.5	5,456.0	20.1	21.9	9.11	213.9	462.9	150.9	111.6	39.30	3.839		
5,600.0	5,575.0	5,600.5	5,555.0	20.6	22.3	9.83	218.6	476.0	151.0	111.0	40.04	3.772		
5,700.0	5,674.0	5,700.6	5,654.0	21.0	22.7	10.55	223.3	489.1	151.3	110.5	40.78	3.709		
5,800.0	5,773.1	5,800.6	5,753.0	21.4	23.1	11.27	227.9	502.3	151.5	110.0	41.52	3.648		
5,900.0	5,872.1	5,900.7	5,853.3	21.8	23.6	12.00	232.6	515.4	151.6	109.3	42.28	3.586		
6,000.0	5,971.1	6,004.7	5,956.7	22.2	24.0	12.81	236.7	526.9	149.7	106.6	43.06	3.476		
6,100.0	6,070.2	6,108.6	6,060.1	22.6	24.4	13.77	239.9	535.7	145.1	101.3	43.81	3.312		
6,200.0	6,169.2	6,212.1	6,163.4	23.0	24.8	14.92	242.0	541.9	137.9	93.3	44.53	3.096		
6,300.0	6,268.2	6,315.1	6,266.3	23.4	25.1	16.38	243.3	545.4	128.0	82.8	45.22	2.831		
6,400.0	6,367.2	6,417.0	6,368.2	23.8	25.4	18.31	243.6	546.3	115.7	69.8	45.89	2.520		
6,425.1	6,392.0	6,441.8	6,393.0	23.9	25.5	18.86	243.6	546.3	112.3	66.3	46.08	2.438		
6,500.0	6,466.4	6,516.1	6,467.4	24.2	25.7	20.56	243.6	546.3	103.2	56.6	46.64	2.213		
6,600.0	6,565.8	6,615.6	6,566.8	24.6	26.1	22.80	243.6	546.3	93.3	45.9	47.41	1.968		
6,700.0	6,665.5	6,715.2	6,666.5	25.0	26.4	24.83	243.6	546.3	85.9	37.7	48.18	1.783		
6,800.0	6,765.3	6,815.1	6,766.3	25.3	26.7	26.42	243.6	546.3	81.0	32.0	48.93	1.655		
6,900.0	6,865.3	6,915.0	6,866.3	25.7	27.0	27.33	243.6	546.3	78.4	28.8	49.65	1.580		
6,958.4	6,923.6	6,973.4	6,924.6	25.9	27.2	89.99	243.6	546.3	78.1	28.0	50.06	1.559		
7,000.0	6,965.3	7,015.0	6,966.3	26.0	27.3	89.99	243.6	546.3	78.1	27.7	50.34	1.550		
7,100.0	7,065.3	7,115.0	7,066.3	26.4	27.6	89.99	243.6	546.3	78.1	27.0	51.03	1.530		
7,107.6	7,072.8	7,122.6	7,073.8	26.4	27.7	89.99	243.6	546.3	78.1	27.0	51.08	1.528		
7,200.0	7,165.3	7,214.3	7,165.2	26.7	27.9	94.98	236.8	546.4	78.4	26.4	51.93	1.509 ES, SF		
7,300.0	7,265.3	7,308.5	7,256.6	27.0	28.2	110.28	214.7	546.4	83.9	30.6	53.26	1.575		
7,400.0	7,365.3	7,393.6	7,335.1	27.4	28.3	128.12	182.2	546.5	104.2	51.3	52.97	1.968		
7,500.0	7,465.3	7,467.6	7,398.9	27.7	28.5	141.61	144.7	546.7	143.1	92.9	50.20	2.851		
7,600.0	7,565.3	7,530.6	7,449.0	28.1	28.6	150.20	106.5	546.8	196.8	150.3	46.54	4.228		
7,700.0	7,665.3	7,583.7	7,487.7	28.4	28.6	155.60	70.2	546.9	261.1	218.0	43.03	6.066		
7,800.0	7,765.3	7,628.3	7,517.5	28.7	28.7	159.13	37.0	547.0	332.8	292.9	39.94	8.332		
7,900.0	7,865.3	7,665.9	7,540.6	29.1	28.7	161.54	7.4	547.2	410.0	372.7	37.29	10.995		
8,000.0	7,965.3	7,700.0	7,559.8	29.4	28.8	163.37	-20.8	547.3	491.3	456.1	35.23	13.945		
8,100.0	8,065.3	7,724.9	7,572.7	29.8	28.8	164.53	-42.1	547.3	575.7	542.5	33.16	17.359		
8,200.0	8,165.3	7,750.0	7,584.9	30.1	28.8	165.58	-64.1	547.4	662.5	630.9	31.68	20.916		
8,300.0	8,265.3	7,768.5	7,593.1	30.4	28.8	166.27	-80.6	547.5	751.3	721.1	30.23	24.850		
8,400.0	8,365.3	7,786.1	7,600.5	30.8	28.8	166.89	-96.6	547.5	841.6	812.5	29.11	28.908		
8,500.0	8,465.3	7,800.0	7,606.0	31.1	28.9	167.34	-109.3	547.6	933.2	905.1	28.10	33.205		
8,600.0	8,565.3	7,815.3	7,611.7	31.5	28.9	167.81	-123.5	547.6	1,025.8	998.4	27.39	37.451		
8,700.0	8,665.3	7,827.5	7,616.0	31.8	28.9	168.16	-134.9	547.7	1,119.2	1,092.5	26.74	41.861		
8,800.0	8,765.3	7,850.0	7,623.2	32.2	28.9	168.76	-156.3	547.7	1,213.6	1,187.0	26.58	45.657		
8,900.0	8,865.3	7,850.0	7,623.2	32.5	28.9	168.76	-156.3	547.7	1,308.2	1,282.4	25.80	50.697		
9,000.0	8,965.3	7,850.0	7,623.2	32.8	28.9	168.76	-156.3	547.7	1,403.6	1,378.4	25.19	55.717		
9,100.0	9,065.3	7,850.0	7,623.2	33.2	28.9	168.76	-156.3	547.7	1,499.5	1,474.8	24.71	60.685		
9,200.0	9,165.3	7,872.4	7,629.5	33.5	29.0	169.31	-177.7	547.8	1,595.4	1,570.6	24.87	64.162		
9,300.0	9,265.3	7,879.1	7,631.3	33.9	29.0	169.47	-184.2	547.8	1,691.9	1,667.2	24.69	68.526		
9,400.0	9,365.3	7,900.0	7,636.2	34.2	29.0	169.93	-204.5	547.9	1,788.9	1,764.1	24.87	71.933		
9,500.0	9,465.3	7,900.0	7,636.2	34.6	29.0	169.93	-204.5	547.9	1,885.8	1,861.2	24.65	76.497		
9,600.0	9,565.3	7,900.0	7,636.2	34.9	29.0	169.93	-204.5	547.9	1,983.0	1,958.5	24.50	80.954		
9,700.0	9,665.3	7,900.0	7,636.2	35.3	29.0	169.93	-204.5	547.9	2,080.5	2,056.1	24.39	85.296		
9,800.0	9,765.3	7,900.0	7,636.2	35.6	29.0	169.93	-204.5	547.9	2,178.1	2,153.8	24.33	89.519		
9,900.0	9,865.3	7,900.0	7,636.2	36.0	29.0	169.93	-204.5	547.9	2,276.0	2,251.7	24.31	93.622		
10,000.0	9,965.3	7,900.0	7,636.2	36.3	29.0	169.93	-204.5	547.9	2,374.1	2,349.8	24.32	97.603		
10,070.7	10,036.0	7,900.0	7,636.2	36.5	29.0	169.93	-204.5	547.9	2,443.6	2,419.2	24.35	100.345		
10,100.0	10,065.2	7,900.0	7,636.2	36.6	29.0	-19.75	-204.5	547.9	2,472.2	2,447.8	24.36	101.489		
10,150.0	10,115.0	7,919.9	7,640.2	36.8	29.0	-14.49	-224.1	548.0	2,519.9	2,495.3	24.61	102.381		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #024H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,200.0	10,164.2	7,923.2	7,640.8	36.9	29.1	-11.50	-227.2	548.0	2,566.7	2,542.1	24.61	104.292		
10,250.0	10,212.3	7,927.0	7,641.5	37.1	29.1	-9.56	-231.0	548.0	2,612.0	2,587.4	24.59	106.206		
10,300.0	10,259.2	7,950.0	7,645.0	37.2	29.1	-8.33	-253.8	548.1	2,655.9	2,631.1	24.79	107.133		
10,350.0	10,304.3	7,950.0	7,645.0	37.3	29.1	-7.33	-253.8	548.1	2,697.1	2,672.4	24.69	109.255		
10,400.0	10,347.4	7,950.0	7,645.0	37.4	29.1	-6.58	-253.8	548.1	2,736.1	2,711.5	24.58	111.322		
10,450.0	10,388.2	7,950.0	7,645.0	37.4	29.1	-5.99	-253.8	548.1	2,772.7	2,748.2	24.47	113.298		
10,500.0	10,426.2	7,950.0	7,645.0	37.5	29.1	-5.52	-253.8	548.1	2,806.6	2,782.2	24.37	115.144		
10,550.0	10,461.3	7,950.0	7,645.0	37.6	29.1	-5.15	-253.8	548.1	2,837.8	2,813.5	24.29	116.818		
10,600.0	10,493.1	7,950.0	7,645.0	37.6	29.1	-4.85	-253.8	548.1	2,866.0	2,841.8	24.23	118.278		
10,650.0	10,521.5	7,973.8	7,647.6	37.6	29.2	-4.73	-277.4	548.1	2,890.6	2,866.2	24.38	118.544		
10,700.0	10,546.2	8,000.0	7,649.4	37.7	29.2	-4.67	-303.5	548.2	2,912.6	2,888.0	24.56	118.583		
10,750.0	10,567.0	8,000.0	7,649.4	37.7	29.2	-4.51	-303.5	548.2	2,930.6	2,906.0	24.56	119.314		
10,800.0	10,583.7	8,000.0	7,649.4	37.7	29.2	-4.39	-303.5	548.2	2,945.2	2,920.6	24.61	119.697		
10,850.0	10,596.3	8,000.0	7,649.4	37.7	29.2	-4.31	-303.5	548.2	2,956.5	2,931.8	24.70	119.709		
10,900.0	10,604.6	8,011.5	7,649.8	37.7	29.3	-4.30	-315.0	548.3	2,964.1	2,939.2	24.89	119.081		
10,950.0	10,608.6	8,025.8	7,650.0	37.8	29.3	-4.35	-329.3	548.3	2,968.2	2,943.1	25.13	118.103		
10,970.7	10,609.0	8,025.8	7,650.0	37.9	29.3	-4.34	-329.3	548.3	2,968.8	2,943.6	25.22	117.721		
11,000.0	10,609.0	8,033.4	7,650.0	37.9	29.3	-4.39	-337.0	548.4	2,969.3	2,943.9	25.38	116.985		
11,100.0	10,609.0	8,130.0	7,650.0	38.2	29.7	-4.87	-433.6	549.2	2,971.3	2,945.0	26.24	113.253		
11,200.0	10,609.0	8,227.9	7,650.0	38.6	30.2	-5.29	-531.5	550.0	2,973.1	2,946.0	27.14	109.534		
11,300.0	10,609.0	8,326.5	7,650.0	39.0	30.7	-5.64	-630.0	550.8	2,974.8	2,946.7	28.10	105.871		
11,400.0	10,609.0	8,425.5	7,650.0	39.5	31.4	-5.93	-729.1	551.6	2,976.1	2,947.1	29.09	102.306		
11,500.0	10,609.0	8,525.0	7,650.0	40.1	32.1	-6.14	-828.5	552.4	2,977.2	2,947.1	30.11	98.867		
11,600.0	10,609.0	8,624.8	7,650.0	40.7	32.9	-6.28	-928.3	553.2	2,977.9	2,946.8	31.16	95.572		
11,700.0	10,609.0	8,724.7	7,650.0	41.3	33.7	-6.35	-1,028.3	554.1	2,978.3	2,946.1	32.22	92.432		
11,739.3	10,609.0	8,764.1	7,650.0	41.6	34.1	-6.36	-1,067.6	554.4	2,978.3	2,945.7	32.64	91.241		
11,800.0	10,609.0	8,824.7	7,650.0	42.0	34.7	-6.36	-1,128.3	554.9	2,978.3	2,945.0	33.30	89.438		
11,900.0	10,609.0	8,924.7	7,650.0	42.8	35.6	-6.36	-1,228.3	555.7	2,978.3	2,943.9	34.42	86.538		
12,000.0	10,609.0	9,024.7	7,650.0	43.6	36.6	-6.36	-1,328.2	556.5	2,978.3	2,942.7	35.57	83.735		
12,100.0	10,609.0	9,124.7	7,650.0	44.5	37.7	-6.36	-1,428.2	557.4	2,978.3	2,941.6	36.75	81.037		
12,200.0	10,609.0	9,224.7	7,650.0	45.4	38.8	-6.36	-1,528.2	558.2	2,978.3	2,940.3	37.97	78.445		
12,300.0	10,609.0	9,324.7	7,650.0	46.3	39.9	-6.36	-1,628.2	559.0	2,978.3	2,939.1	39.21	75.963		
12,400.0	10,609.0	9,424.7	7,650.0	47.3	41.1	-6.36	-1,728.2	559.8	2,978.3	2,937.8	40.47	73.588		
12,500.0	10,609.0	9,524.7	7,650.0	48.3	42.3	-6.36	-1,828.2	560.7	2,978.3	2,936.5	41.76	71.320		
12,600.0	10,609.0	9,624.7	7,650.0	49.4	43.5	-6.36	-1,928.2	561.5	2,978.3	2,935.2	43.07	69.154		
12,700.0	10,609.0	9,724.7	7,650.0	50.4	44.8	-6.36	-2,028.2	562.3	2,978.3	2,933.9	44.39	67.088		
12,800.0	10,609.0	9,824.7	7,650.0	51.6	46.1	-6.36	-2,128.2	563.1	2,978.3	2,932.6	45.74	65.117		
12,900.0	10,609.0	9,924.7	7,650.0	52.7	47.4	-6.36	-2,228.2	564.0	2,978.3	2,931.2	47.10	63.238		
13,000.0	10,609.0	10,024.7	7,650.0	53.9	48.7	-6.36	-2,328.2	564.8	2,978.3	2,929.8	48.47	61.446		
13,100.0	10,609.0	10,124.7	7,650.0	55.1	50.1	-6.36	-2,428.2	565.6	2,978.3	2,928.4	49.86	59.737		
13,200.0	10,609.0	10,224.7	7,650.0	56.3	51.4	-6.36	-2,528.2	566.4	2,978.3	2,927.1	51.26	58.106		
13,300.0	10,609.0	10,324.7	7,650.0	57.5	52.8	-6.36	-2,628.2	567.3	2,978.3	2,925.6	52.67	56.551		
13,400.0	10,609.0	10,424.7	7,650.0	58.8	54.2	-6.36	-2,728.2	568.1	2,978.3	2,924.2	54.09	55.065		
13,500.0	10,609.0	10,524.7	7,650.0	60.1	55.6	-6.36	-2,828.2	568.9	2,978.3	2,922.8	55.52	53.647		
13,600.0	10,609.0	10,624.7	7,650.0	61.4	57.0	-6.36	-2,928.2	569.8	2,978.3	2,921.4	56.96	52.291		
13,700.0	10,609.0	10,724.7	7,650.0	62.7	58.5	-6.36	-3,028.2	570.6	2,978.3	2,919.9	58.40	50.995		
13,800.0	10,609.0	10,824.7	7,650.0	64.0	59.9	-6.36	-3,128.2	571.4	2,978.3	2,918.5	59.86	49.756		
13,900.0	10,609.0	10,924.7	7,650.0	65.4	61.4	-6.36	-3,228.2	572.2	2,978.3	2,917.0	61.32	48.569		
14,000.0	10,609.0	11,024.7	7,650.0	66.7	62.8	-6.36	-3,328.2	573.1	2,978.3	2,915.5	62.79	47.433		
14,100.0	10,609.0	11,124.7	7,650.0	68.1	64.3	-6.36	-3,428.2	573.9	2,978.3	2,914.0	64.27	46.344		
14,200.0	10,609.0	11,224.7	7,650.0	69.5	65.8	-6.36	-3,528.2	574.7	2,978.3	2,912.6	65.75	45.300		
14,300.0	10,609.0	11,324.7	7,650.0	70.9	67.3	-6.36	-3,628.2	575.5	2,978.3	2,911.1	67.23	44.298		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #024H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
14,400.0	10,609.0	11,424.7	7,650.0	72.3	68.8	-6.36	-3,728.2	576.4	2,978.3	2,909.6	68.72	43.337		
14,500.0	10,609.0	11,524.7	7,650.0	73.7	70.3	-6.36	-3,828.2	577.2	2,978.3	2,908.1	70.22	42.413		
14,600.0	10,609.0	11,624.7	7,650.0	75.1	71.8	-6.36	-3,928.2	578.0	2,978.3	2,906.6	71.72	41.526		
14,700.0	10,609.0	11,724.7	7,650.0	76.5	73.3	-6.36	-4,028.2	578.8	2,978.3	2,905.1	73.23	40.672		
14,800.0	10,609.0	11,824.7	7,650.0	78.0	74.8	-6.36	-4,128.2	579.7	2,978.3	2,903.6	74.74	39.851		
14,900.0	10,609.0	11,924.7	7,650.0	79.4	76.4	-6.36	-4,228.1	580.5	2,978.3	2,902.1	76.25	39.060		
15,000.0	10,609.0	12,024.7	7,650.0	80.9	77.9	-6.36	-4,328.1	581.3	2,978.3	2,900.5	77.77	38.298		
15,100.0	10,609.0	12,124.7	7,650.0	82.4	79.4	-6.36	-4,428.1	582.1	2,978.3	2,899.0	79.29	37.564		
15,200.0	10,609.0	12,224.7	7,650.0	83.8	81.0	-6.36	-4,528.1	583.0	2,978.3	2,897.5	80.81	36.856		
15,300.0	10,609.0	12,324.7	7,650.0	85.3	82.5	-6.36	-4,628.1	583.8	2,978.3	2,896.0	82.33	36.173		
15,400.0	10,609.0	12,424.7	7,650.0	86.8	84.1	-6.36	-4,728.1	584.6	2,978.3	2,894.5	83.86	35.514		
15,500.0	10,609.0	12,524.7	7,650.0	88.3	85.6	-6.36	-4,828.1	585.4	2,978.3	2,892.9	85.39	34.877		
15,600.0	10,609.0	12,624.7	7,650.0	89.8	87.2	-6.36	-4,928.1	586.3	2,978.3	2,891.4	86.93	34.262		
15,700.0	10,609.0	12,724.7	7,650.0	91.3	88.8	-6.36	-5,028.1	587.1	2,978.3	2,889.9	88.47	33.667		
15,800.0	10,609.0	12,824.7	7,650.0	92.8	90.3	-6.36	-5,128.1	587.9	2,978.3	2,888.3	90.00	33.091		
15,900.0	10,609.0	12,924.7	7,650.0	94.3	91.9	-6.36	-5,228.1	588.7	2,978.3	2,886.8	91.54	32.534		
16,000.0	10,609.0	13,024.7	7,650.0	95.8	93.5	-6.36	-5,328.1	589.6	2,978.3	2,885.2	93.09	31.995		
16,100.0	10,609.0	13,124.7	7,650.0	97.4	95.0	-6.36	-5,428.1	590.4	2,978.3	2,883.7	94.63	31.472		
16,200.0	10,609.0	13,224.7	7,650.0	98.9	96.6	-6.36	-5,528.1	591.2	2,978.3	2,882.1	96.18	30.966		
16,300.0	10,609.0	13,324.7	7,650.0	100.4	98.2	-6.36	-5,628.1	592.0	2,978.3	2,880.6	97.73	30.476		
16,400.0	10,609.0	13,424.7	7,650.0	101.9	99.8	-6.36	-5,728.1	592.9	2,978.3	2,879.0	99.28	30.000		
16,500.0	10,609.0	13,524.7	7,650.0	103.5	101.4	-6.36	-5,828.1	593.7	2,978.3	2,877.5	100.83	29.538		
16,600.0	10,609.0	13,624.7	7,650.0	105.0	103.0	-6.36	-5,928.1	594.5	2,978.3	2,875.9	102.38	29.090		
16,700.0	10,609.0	13,724.7	7,650.0	106.6	104.5	-6.36	-6,028.1	595.3	2,978.3	2,874.4	103.94	28.655		
16,800.0	10,609.0	13,824.7	7,650.0	108.1	106.1	-6.36	-6,128.1	596.2	2,978.3	2,872.8	105.49	28.232		
16,900.0	10,609.0	13,924.7	7,650.0	109.7	107.7	-6.36	-6,228.1	597.0	2,978.3	2,871.3	107.05	27.821		
17,000.0	10,609.0	14,024.7	7,650.0	111.2	109.3	-6.36	-6,328.1	597.8	2,978.3	2,869.7	108.61	27.422		
17,100.0	10,609.0	14,124.7	7,650.0	112.8	110.9	-6.36	-6,428.1	598.6	2,978.3	2,868.1	110.17	27.033		
17,200.0	10,609.0	14,224.7	7,650.0	114.3	112.5	-6.36	-6,528.1	599.5	2,978.3	2,866.6	111.73	26.656		
17,300.0	10,609.0	14,324.7	7,650.0	115.9	114.1	-6.36	-6,628.1	600.3	2,978.3	2,865.0	113.30	26.288		
17,400.0	10,609.0	14,424.7	7,650.0	117.5	115.7	-6.36	-6,728.1	601.1	2,978.3	2,863.5	114.86	25.930		
17,500.0	10,609.0	14,524.7	7,650.0	119.0	117.3	-6.36	-6,828.1	601.9	2,978.3	2,861.9	116.42	25.582		
17,600.0	10,609.0	14,624.7	7,650.0	120.6	118.9	-6.36	-6,928.1	602.8	2,978.3	2,860.3	117.99	25.242		
17,700.0	10,609.0	14,724.7	7,650.0	122.2	120.5	-6.36	-7,028.1	603.6	2,978.3	2,858.8	119.56	24.911		
17,800.0	10,609.0	14,824.7	7,650.0	123.7	122.1	-6.36	-7,128.1	604.4	2,978.3	2,857.2	121.12	24.589		
17,900.0	10,609.0	14,924.7	7,650.0	125.3	123.7	-6.36	-7,228.0	605.2	2,978.3	2,855.6	122.69	24.275		
18,000.0	10,609.0	15,024.7	7,650.0	126.9	125.3	-6.36	-7,328.0	606.1	2,978.3	2,854.1	124.26	23.968		
18,100.0	10,609.0	15,124.7	7,650.0	128.5	126.9	-6.36	-7,428.0	606.9	2,978.3	2,852.5	125.83	23.669		
18,200.0	10,609.0	15,224.7	7,650.0	130.1	128.6	-6.36	-7,528.0	607.7	2,978.3	2,850.9	127.40	23.377		
18,300.0	10,609.0	15,324.7	7,650.0	131.6	130.2	-6.36	-7,628.0	608.6	2,978.3	2,849.3	128.98	23.092		
18,400.0	10,609.0	15,424.7	7,650.0	133.2	131.8	-6.36	-7,728.0	609.4	2,978.3	2,847.8	130.55	22.814		
18,500.0	10,609.0	15,524.7	7,650.0	134.8	133.4	-6.36	-7,828.0	610.2	2,978.3	2,846.2	132.12	22.542		
18,600.0	10,609.0	15,624.7	7,650.0	136.4	135.0	-6.36	-7,928.0	611.0	2,978.3	2,844.6	133.70	22.277		
18,700.0	10,609.0	15,724.7	7,650.0	138.0	136.6	-6.36	-8,028.0	611.9	2,978.3	2,843.1	135.27	22.018		
18,800.0	10,609.0	15,824.7	7,650.0	139.6	138.2	-6.36	-8,128.0	612.7	2,978.3	2,841.5	136.85	21.764		
18,900.0	10,609.0	15,924.7	7,650.0	141.2	139.9	-6.36	-8,228.0	613.5	2,978.3	2,839.9	138.42	21.516		
19,000.0	10,609.0	16,024.7	7,650.0	142.8	141.5	-6.36	-8,328.0	614.3	2,978.3	2,838.3	140.00	21.274		
19,100.0	10,609.0	16,124.7	7,650.0	144.4	143.1	-6.36	-8,428.0	615.2	2,978.3	2,836.8	141.57	21.037		
19,200.0	10,609.0	16,224.7	7,650.0	146.0	144.7	-6.36	-8,528.0	616.0	2,978.3	2,835.2	143.15	20.805		
19,300.0	10,609.0	16,324.7	7,650.0	147.6	146.3	-6.36	-8,628.0	616.8	2,978.3	2,833.6	144.73	20.578		
19,400.0	10,609.0	16,424.7	7,650.0	149.2	148.0	-6.36	-8,728.0	617.6	2,978.3	2,832.0	146.31	20.356		
19,500.0	10,609.0	16,524.7	7,650.0	150.8	149.6	-6.36	-8,828.0	618.5	2,978.3	2,830.4	147.89	20.139		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #024H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
19,600.0	10,609.0	16,624.7	7,650.0	152.4	151.2	-6.36	-8,928.0	619.3	2,978.3	2,828.9	149.47	19.926		
19,700.0	10,609.0	16,724.7	7,650.0	154.0	152.8	-6.36	-9,028.0	620.1	2,978.3	2,827.3	151.05	19.718		
19,800.0	10,609.0	16,824.7	7,650.0	155.6	154.4	-6.36	-9,128.0	620.9	2,978.3	2,825.7	152.63	19.513		
19,900.0	10,609.0	16,924.7	7,650.0	157.2	156.1	-6.36	-9,228.0	621.8	2,978.3	2,824.1	154.21	19.313		
20,000.0	10,609.0	17,024.7	7,650.0	158.8	157.7	-6.36	-9,328.0	622.6	2,978.3	2,822.5	155.79	19.117		
20,100.0	10,609.0	17,124.7	7,650.0	160.4	159.3	-6.36	-9,428.0	623.4	2,978.3	2,821.0	157.37	18.925		
20,200.0	10,609.0	17,224.7	7,650.0	162.0	160.9	-6.36	-9,528.0	624.2	2,978.3	2,819.4	158.96	18.737		
20,300.0	10,609.0	17,324.7	7,650.0	163.6	162.6	-6.36	-9,628.0	625.1	2,978.3	2,817.8	160.54	18.552		
20,400.0	10,609.0	17,424.7	7,650.0	165.2	164.2	-6.36	-9,728.0	625.9	2,978.3	2,816.2	162.12	18.371		
20,500.0	10,609.0	17,524.7	7,650.0	166.8	165.8	-6.36	-9,828.0	626.7	2,978.3	2,814.6	163.71	18.193		
20,600.0	10,609.0	17,624.7	7,650.0	168.4	167.5	-6.36	-9,928.0	627.5	2,978.3	2,813.0	165.29	18.019		
20,700.0	10,609.0	17,724.7	7,650.0	170.0	169.1	-6.36	-10,028.0	628.4	2,978.3	2,811.5	166.88	17.848		
20,800.0	10,609.0	17,824.7	7,650.0	171.7	170.7	-6.36	-10,127.9	629.2	2,978.3	2,809.9	168.46	17.680		
20,900.0	10,609.0	17,924.7	7,650.0	173.3	172.3	-6.36	-10,227.9	630.0	2,978.3	2,808.3	170.05	17.515		
21,000.0	10,609.0	18,024.7	7,650.0	174.9	174.0	-6.36	-10,327.9	630.8	2,978.3	2,806.7	171.63	17.353		
21,100.0	10,609.0	18,124.7	7,650.0	176.5	175.6	-6.36	-10,427.9	631.7	2,978.3	2,805.1	173.22	17.194		
21,200.0	10,609.0	18,224.7	7,650.0	178.1	177.2	-6.36	-10,527.9	632.5	2,978.3	2,803.5	174.80	17.038		
21,300.0	10,609.0	18,324.7	7,650.0	179.7	178.9	-6.36	-10,627.9	633.3	2,978.3	2,801.9	176.39	16.885		
21,400.0	10,609.0	18,424.7	7,650.0	181.3	180.5	-6.36	-10,727.9	634.1	2,978.3	2,800.4	177.98	16.735		
21,500.0	10,609.0	18,524.7	7,650.0	183.0	182.1	-6.36	-10,827.9	635.0	2,978.3	2,798.8	179.56	16.587		
21,600.0	10,609.0	18,624.7	7,650.0	184.6	183.8	-6.36	-10,927.9	635.8	2,978.3	2,797.2	181.15	16.441		
21,700.0	10,609.0	18,724.7	7,650.0	186.2	185.4	-6.36	-11,027.9	636.6	2,978.3	2,795.6	182.74	16.298		
21,800.0	10,609.0	18,824.7	7,650.0	187.8	187.0	-6.36	-11,127.9	637.4	2,978.3	2,794.0	184.32	16.158		
21,900.0	10,609.0	18,924.7	7,650.0	189.4	188.7	-6.36	-11,227.9	638.3	2,978.3	2,792.4	185.91	16.020		
22,000.0	10,609.0	19,024.7	7,650.0	191.1	190.3	-6.36	-11,327.9	639.1	2,978.3	2,790.8	187.50	15.884		
22,100.0	10,609.0	19,124.7	7,650.0	192.7	191.9	-6.36	-11,427.9	639.9	2,978.3	2,789.2	189.09	15.751		
22,200.0	10,609.0	19,224.7	7,650.0	194.3	193.6	-6.36	-11,527.9	640.7	2,978.3	2,787.7	190.68	15.620		
22,300.0	10,609.0	19,324.7	7,650.0	195.9	195.2	-6.36	-11,627.9	641.6	2,978.3	2,786.1	192.27	15.491		
22,400.0	10,609.0	19,424.7	7,650.0	197.5	196.8	-6.36	-11,727.9	642.4	2,978.3	2,784.5	193.86	15.364		
22,500.0	10,609.0	19,524.7	7,650.0	199.2	198.5	-6.36	-11,827.9	643.2	2,978.3	2,782.9	195.45	15.239		
22,600.0	10,609.0	19,624.7	7,650.0	200.8	200.1	-6.36	-11,927.9	644.0	2,978.3	2,781.3	197.04	15.116		
22,700.0	10,609.0	19,724.7	7,650.0	202.4	201.7	-6.36	-12,027.9	644.9	2,978.3	2,779.7	198.63	14.995		
22,800.0	10,609.0	19,824.7	7,650.0	204.0	203.4	-6.36	-12,127.9	645.7	2,978.3	2,778.1	200.22	14.876		
22,900.0	10,609.0	19,924.7	7,650.0	205.7	205.0	-6.36	-12,227.9	646.5	2,978.3	2,776.5	201.81	14.758		
23,000.0	10,609.0	20,024.7	7,650.0	207.3	206.6	-6.36	-12,327.9	647.4	2,978.3	2,774.9	203.40	14.643		
23,100.0	10,609.0	20,124.7	7,650.0	208.9	208.3	-6.36	-12,427.9	648.2	2,978.3	2,773.4	204.99	14.529		
23,112.4	10,609.0	20,137.2	7,650.0	209.1	208.5	-6.36	-12,440.3	648.3	2,978.3	2,773.2	205.18	14.515		
23,112.9	10,609.0	20,137.6	7,650.0	209.1	208.5	-6.36	-12,440.7	648.3	2,978.3	2,773.2	205.19	14.515		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #104H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.0	-1.0	0.0	0.0	-90.50	-0.8	-90.1	90.1					
100.0	100.0	101.0	99.0	0.1	0.1	-90.50	-0.8	-90.1	90.1	89.8	0.26	346.526		
200.0	200.0	201.0	199.0	0.5	0.5	-90.50	-0.8	-90.1	90.1	89.1	0.98	92.195		
300.0	300.0	301.0	299.0	0.8	0.8	-90.50	-0.8	-90.1	90.1	88.4	1.69	53.171		
400.0	400.0	401.0	399.0	1.2	1.2	-90.50	-0.8	-90.1	90.1	87.6	2.41	37.358		
500.0	500.0	501.0	499.0	1.6	1.6	-90.50	-0.8	-90.1	90.1	86.9	3.13	28.794		
600.0	600.0	601.0	599.0	1.9	1.9	-90.50	-0.8	-90.1	90.1	86.2	3.84	23.425		
700.0	700.0	701.0	699.0	2.3	2.3	-90.50	-0.8	-90.1	90.1	85.5	4.56	19.743		
800.0	800.0	801.0	799.0	2.6	2.6	-90.50	-0.8	-90.1	90.1	84.8	5.28	17.062		
900.0	900.0	901.0	899.0	3.0	3.0	-90.50	-0.8	-90.1	90.1	84.1	6.00	15.021		
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-90.50	-0.8	-90.1	90.1	83.3	6.71	13.417		
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-90.50	-0.8	-90.1	90.1	82.6	7.43	12.122		
1,200.0	1,200.0	1,199.0	1,199.0	4.1	4.1	-90.50	-0.8	-90.1	90.1	81.9	8.14	11.065		
1,300.0	1,300.0	1,300.2	1,300.2	4.4	4.4	-90.15	-0.2	-89.4	89.4	80.5	8.86	10.093		
1,400.0	1,400.0	1,401.4	1,401.3	4.8	4.8	-89.05	1.5	-87.3	87.4	77.8	9.57	9.129		
1,500.0	1,500.0	1,502.4	1,502.3	5.1	5.1	-87.09	4.3	-83.9	84.1	73.8	10.28	8.175		
1,600.0	1,600.0	1,603.3	1,602.9	5.5	5.5	-84.08	8.2	-79.1	79.6	68.6	10.99	7.240		
1,700.0	1,700.0	1,703.9	1,703.2	5.9	5.9	-79.72	13.2	-72.9	74.2	62.5	11.71	6.341		
1,800.0	1,800.0	1,804.2	1,803.1	6.2	6.2	-73.51	19.4	-65.4	68.3	55.9	12.42	5.501		
1,900.0	1,900.0	1,904.1	1,902.3	6.6	6.6	-64.86	26.6	-56.6	62.6	49.5	13.15	4.761		
2,000.0	2,000.0	2,003.6	2,001.0	6.9	7.0	-53.17	34.8	-46.5	58.1	44.2	13.90	4.184		
2,100.0	2,100.0	2,102.6	2,099.0	7.3	7.3	-39.45	43.6	-35.8	56.4	41.8	14.64	3.853		
2,101.2	2,101.2	2,103.8	2,100.2	7.3	7.4	-39.29	43.7	-35.7	56.4	41.8	14.65	3.850 CC, ES		
2,200.0	2,200.0	2,201.6	2,197.1	7.7	7.7	-25.71	52.3	-25.2	58.1	42.7	15.38	3.776		
2,300.0	2,300.0	2,300.7	2,295.1	8.0	8.1	-13.38	61.0	-14.5	62.8	46.7	16.09	3.905		
2,400.0	2,400.0	2,400.3	2,393.2	8.4	8.5	-3.15	69.7	-3.8	70.1	53.3	16.80	4.173		
2,500.0	2,500.0	2,501.3	2,491.3	8.7	8.9	4.97	78.5	6.8	79.1	61.6	17.50	4.522		
2,600.0	2,600.0	2,602.1	2,589.5	9.1	9.3	-51.52	87.2	17.5	88.9	70.7	18.20	4.884		
2,700.0	2,700.0	2,702.8	2,687.8	9.4	9.7	-47.46	96.0	28.2	98.3	79.4	18.91	5.197		
2,800.0	2,799.9	2,803.3	2,786.4	9.8	10.1	-44.76	104.7	38.9	106.8	87.1	19.62	5.442		
2,900.0	2,899.7	2,903.6	2,885.1	10.1	10.5	-43.06	113.5	49.7	114.2	93.8	20.34	5.615		
3,000.0	2,999.4	2,996.2	2,983.9	10.5	10.9	-42.12	122.3	60.4	120.4	99.4	21.03	5.724		
3,100.0	3,098.9	3,103.9	3,082.8	10.8	11.3	-41.80	131.1	71.2	125.3	103.5	21.79	5.751		
3,200.0	3,198.3	3,204.0	3,181.8	11.2	11.7	-42.03	139.9	81.9	129.0	106.4	22.53	5.724		
3,300.0	3,297.4	3,304.0	3,280.8	11.6	12.1	-42.77	148.7	92.7	131.3	108.0	23.27	5.642		
3,400.0	3,396.4	3,404.1	3,379.7	11.9	12.5	-43.76	157.5	103.5	133.0	109.0	24.03	5.537		
3,500.0	3,495.5	3,495.9	3,478.7	12.3	12.9	-44.71	166.3	114.2	134.8	110.1	24.75	5.447		
3,600.0	3,594.5	3,604.2	3,577.7	12.7	13.3	-45.65	175.1	125.0	136.6	111.1	25.54	5.349		
3,700.0	3,693.5	3,704.2	3,676.7	13.1	13.7	-46.56	184.0	135.8	138.5	112.2	26.31	5.264		
3,800.0	3,792.5	3,804.2	3,775.7	13.4	14.2	-47.44	192.8	146.5	140.4	113.3	27.08	5.184		
3,900.0	3,891.6	3,904.3	3,874.7	13.8	14.6	-48.30	201.6	157.3	142.3	114.4	27.85	5.109		
4,000.0	3,990.6	4,004.3	3,973.7	14.2	15.0	-49.14	210.4	168.1	144.2	115.6	28.63	5.038		
4,100.0	4,089.6	4,096.0	4,073.0	14.6	15.3	-49.97	219.2	178.9	146.2	116.8	29.38	4.976		
4,200.0	4,188.6	4,199.1	4,175.3	15.0	15.8	-51.21	227.2	188.6	146.9	116.7	30.20	4.864		
4,300.0	4,287.7	4,301.9	4,277.7	15.4	16.2	-53.15	233.4	196.3	145.6	114.6	31.02	4.695		
4,400.0	4,386.7	4,404.5	4,380.0	15.8	16.5	-55.88	237.9	201.7	142.6	110.7	31.83	4.479		
4,500.0	4,485.7	4,506.6	4,482.0	16.2	16.9	-59.54	240.6	205.1	138.0	105.4	32.65	4.228		
4,600.0	4,584.8	4,608.2	4,583.6	16.6	17.3	-64.33	241.6	206.3	132.4	99.0	33.46	3.958		
4,700.0	4,683.8	4,707.4	4,682.8	17.0	17.6	-69.95	241.6	206.3	127.0	92.7	34.29	3.703		
4,800.0	4,782.8	4,806.4	4,781.8	17.3	17.9	-76.00	241.6	206.3	122.9	87.8	35.12	3.499		
4,900.0	4,881.8	4,905.4	4,880.8	17.7	18.2	-82.39	241.6	206.3	120.2	84.3	35.92	3.347		
5,000.0	4,980.9	5,004.5	4,979.9	18.1	18.6	-88.97	241.6	206.3	119.2	82.5	36.69	3.248		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,015.5	4,996.2	5,019.8	4,995.2	18.2	18.6	-90.00	241.6	206.3	119.2	82.3	36.81	3.237		
5,100.0	5,079.9	5,103.5	5,078.9	18.5	18.9	-95.58	241.6	206.3	119.7	82.3	37.43	3.199		
5,200.0	5,178.9	5,202.5	5,177.9	18.9	19.2	-102.05	241.6	206.3	121.9	83.8	38.13	3.196 SF		
5,300.0	5,277.9	5,301.5	5,276.9	19.3	19.6	-108.21	241.6	206.3	125.6	86.8	38.80	3.236		
5,400.0	5,377.0	5,400.6	5,376.0	19.7	19.9	-113.98	241.6	206.3	130.6	91.2	39.45	3.311		
5,500.0	5,476.0	5,500.4	5,475.0	20.1	20.3	-119.27	241.6	206.3	136.9	96.8	40.08	3.416		
5,600.0	5,575.0	5,601.4	5,574.0	20.6	20.6	-124.06	241.6	206.3	144.3	103.6	40.70	3.545		
5,700.0	5,674.0	5,702.4	5,673.0	21.0	20.9	-128.37	241.6	206.3	152.6	111.2	41.33	3.691		
5,800.0	5,773.1	5,803.3	5,772.1	21.4	21.3	-132.22	241.6	206.3	161.6	119.7	41.96	3.852		
5,900.0	5,872.1	5,904.3	5,871.1	21.8	21.6	-135.65	241.6	206.3	171.3	128.7	42.59	4.023		
6,000.0	5,971.1	6,005.3	5,970.1	22.2	22.0	-138.71	241.6	206.3	181.6	138.3	43.23	4.200		
6,100.0	6,070.2	6,106.2	6,069.2	22.6	22.3	-141.44	241.6	206.3	192.3	148.4	43.88	4.382		
6,200.0	6,169.2	6,207.2	6,168.2	23.0	22.7	-143.87	241.6	206.3	203.4	158.9	44.54	4.567		
6,300.0	6,268.2	6,308.2	6,267.2	23.4	23.0	-146.06	241.6	206.3	214.8	169.6	45.20	4.753		
6,400.0	6,367.2	6,409.2	6,366.2	23.8	23.4	-148.02	241.6	206.3	226.6	180.7	45.88	4.938		
6,425.1	6,392.0	6,415.6	6,391.0	23.9	23.4	-148.48	241.6	206.3	229.5	183.5	45.98	4.992		
6,500.0	6,466.4	6,490.0	6,465.4	24.2	23.6	-149.76	241.6	206.3	237.9	191.4	46.48	5.117		
6,600.0	6,565.8	6,589.4	6,564.8	24.6	24.0	-151.07	241.6	206.3	247.2	200.0	47.16	5.241		
6,700.0	6,665.5	6,689.1	6,664.5	25.0	24.3	-152.00	241.6	206.3	254.3	206.4	47.85	5.314		
6,800.0	6,765.3	6,788.9	6,764.3	25.3	24.7	-152.60	241.6	206.3	259.1	210.5	48.54	5.337		
6,900.0	6,865.3	6,888.9	6,864.3	25.7	25.0	-152.90	241.6	206.3	261.6	212.4	49.24	5.313		
6,958.4	6,923.6	6,947.2	6,922.6	25.9	25.2	-90.43	241.6	206.3	262.0	212.4	49.65	5.277		
7,000.0	6,965.3	6,988.9	6,964.3	26.0	25.4	-90.43	241.6	206.3	262.0	212.1	49.94	5.247		
7,100.0	7,065.3	7,088.9	7,064.3	26.4	25.7	-90.43	241.6	206.3	262.0	211.4	50.64	5.174		
7,200.0	7,165.3	7,188.9	7,164.3	26.7	26.1	-90.43	241.6	206.3	262.0	210.7	51.33	5.104		
7,300.0	7,265.3	7,288.9	7,264.3	27.0	26.4	-90.43	241.6	206.3	262.0	210.0	52.03	5.036		
7,400.0	7,365.3	7,388.9	7,364.3	27.4	26.8	-90.43	241.6	206.3	262.0	209.3	52.73	4.969		
7,500.0	7,465.3	7,488.9	7,464.3	27.7	27.1	-90.43	241.6	206.3	262.0	208.6	53.43	4.904		
7,600.0	7,565.3	7,589.0	7,564.4	28.1	27.4	-90.49	241.4	206.3	262.0	207.9	54.13	4.841		
7,650.0	7,615.2	7,639.0	7,614.2	28.2	27.6	-91.30	237.7	206.4	262.0	207.5	54.44	4.813		
7,700.0	7,665.3	7,688.0	7,662.6	28.4	27.7	-93.01	229.8	206.5	262.1	207.4	54.70	4.792		
7,800.0	7,765.3	7,780.6	7,751.4	28.7	28.0	-98.64	203.9	207.1	264.5	209.4	55.01	4.808		
7,900.0	7,865.3	7,863.0	7,826.0	29.1	28.2	-105.97	169.1	207.9	273.5	218.7	54.76	4.994		
8,000.0	7,965.3	7,934.1	7,885.8	29.4	28.3	-113.51	130.7	208.8	293.6	240.1	53.51	5.487		
8,100.0	8,065.3	7,994.3	7,932.4	29.8	28.4	-120.27	92.7	209.7	327.2	276.1	51.13	6.399		
8,200.0	8,165.3	8,044.9	7,968.3	30.1	28.5	-125.89	57.1	210.5	373.7	325.7	48.02	7.782		
8,300.0	8,265.3	8,087.4	7,995.9	30.4	28.5	-130.40	24.8	211.2	431.3	386.5	44.73	9.642		
8,400.0	8,365.3	8,123.1	8,017.2	30.8	28.5	-133.99	-3.9	211.8	497.4	455.8	41.61	11.954		
8,500.0	8,465.3	8,150.0	8,032.0	31.1	28.6	-136.52	-26.3	212.4	570.2	531.6	38.64	14.756		
8,600.0	8,565.3	8,179.4	8,047.0	31.5	28.6	-139.14	-51.6	212.9	647.9	611.5	36.48	17.760		
8,700.0	8,665.3	8,200.0	8,056.8	31.8	28.6	-140.87	-69.7	213.3	729.5	695.1	34.39	21.215		
8,800.0	8,765.3	8,221.1	8,066.0	32.2	28.6	-142.55	-88.6	213.8	814.0	781.2	32.79	24.823		
8,900.0	8,865.3	8,250.0	8,077.6	32.5	28.7	-144.71	-115.1	214.4	901.1	869.2	31.91	28.239		
9,000.0	8,965.3	8,250.0	8,077.6	32.8	28.7	-144.71	-115.1	214.4	989.6	959.5	30.12	32.854		
9,100.0	9,065.3	8,266.0	8,083.5	33.2	28.7	-145.84	-130.0	214.7	1,079.7	1,050.5	29.27	36.894		
9,200.0	9,165.3	8,277.8	8,087.5	33.5	28.8	-146.64	-141.1	215.0	1,171.2	1,142.7	28.47	41.137		
9,300.0	9,265.3	8,300.0	8,094.5	33.9	28.8	-148.07	-162.2	215.4	1,263.7	1,235.6	28.17	44.860		
9,400.0	9,365.3	8,300.0	8,094.5	34.2	28.8	-148.07	-162.2	215.4	1,356.8	1,329.5	27.34	49.623		
9,500.0	9,465.3	8,300.0	8,094.5	34.6	28.8	-148.07	-162.2	215.4	1,450.9	1,424.2	26.69	54.369		
9,600.0	9,565.3	8,300.0	8,094.5	34.9	28.8	-148.07	-162.2	215.4	1,545.6	1,519.4	26.17	59.064		
9,700.0	9,665.3	8,321.2	8,100.3	35.3	28.9	-149.36	-182.5	215.9	1,640.5	1,614.2	26.23	62.533		
9,800.0	9,765.3	8,327.7	8,102.0	35.6	28.9	-149.74	-188.8	216.0	1,736.0	1,710.0	26.03	66.696		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #104H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.0	9,865.3	8,350.0	8,107.1	36.0	29.0	-151.00	-210.5	216.5	1,832.3	1,806.1	26.20	69.932		
10,000.0	9,965.3	8,350.0	8,107.1	36.3	29.0	-151.00	-210.5	216.5	1,928.4	1,902.4	25.98	74.227		
10,070.7	10,036.0	8,350.0	8,107.1	36.5	29.0	-151.00	-210.5	216.5	1,996.6	1,970.7	25.86	77.201		
10,100.0	10,065.2	8,350.0	8,107.1	36.6	29.0	11.87	-210.5	216.5	2,024.7	1,998.9	25.81	78.447		
10,150.0	10,115.0	8,350.0	8,107.1	36.8	29.0	9.33	-210.5	216.5	2,071.7	2,046.0	25.68	80.672		
10,200.0	10,164.2	8,350.0	8,107.1	36.9	29.0	7.69	-210.5	216.5	2,117.2	2,091.7	25.51	82.993		
10,250.0	10,212.3	8,350.0	8,107.1	37.1	29.0	6.56	-210.5	216.5	2,161.1	2,135.8	25.31	85.385		
10,300.0	10,259.2	8,350.0	8,107.1	37.2	29.0	5.73	-210.5	216.5	2,203.0	2,177.9	25.08	87.824		
10,350.0	10,304.3	8,350.0	8,107.1	37.3	29.0	5.11	-210.5	216.5	2,242.8	2,218.0	24.84	90.281		
10,400.0	10,347.4	8,374.2	8,111.7	37.4	29.1	4.34	-234.3	217.1	2,279.7	2,254.8	24.91	91.531		
10,450.0	10,388.2	8,400.0	8,115.5	37.4	29.2	3.72	-259.8	217.7	2,314.7	2,289.8	24.96	92.737		
10,500.0	10,426.2	8,400.0	8,115.5	37.5	29.2	3.46	-259.8	217.7	2,346.4	2,321.7	24.67	95.105		
10,550.0	10,461.3	8,400.0	8,115.5	37.6	29.2	3.25	-259.8	217.7	2,375.2	2,350.8	24.40	97.356		
10,600.0	10,493.1	8,400.0	8,115.5	37.6	29.2	3.09	-259.8	217.7	2,401.2	2,377.0	24.15	99.441		
10,650.0	10,521.5	8,400.0	8,115.5	37.6	29.2	2.95	-259.8	217.7	2,424.1	2,400.2	23.93	101.305		
10,700.0	10,546.2	8,420.3	8,117.7	37.7	29.2	2.69	-280.0	218.1	2,443.5	2,419.6	23.92	102.156		
10,750.0	10,567.0	8,428.9	8,118.4	37.7	29.3	2.55	-288.5	218.3	2,459.8	2,435.9	23.83	103.207		
10,800.0	10,583.7	8,450.0	8,119.6	37.7	29.3	2.35	-309.6	218.8	2,472.8	2,448.9	23.87	103.598		
10,850.0	10,596.3	8,450.0	8,119.6	37.7	29.3	2.31	-309.6	218.8	2,482.0	2,458.2	23.80	104.284		
10,900.0	10,604.6	8,450.0	8,119.6	37.7	29.3	2.29	-309.6	218.8	2,487.9	2,464.1	23.80	104.541		
10,950.0	10,608.6	8,471.6	8,120.0	37.8	29.4	2.14	-331.2	219.3	2,490.3	2,466.3	23.94	104.003		
10,970.7	10,609.0	8,471.6	8,120.0	37.9	29.4	2.14	-331.2	219.3	2,490.2	2,466.2	23.98	103.836		
11,000.0	10,609.0	8,480.7	8,120.0	37.9	29.5	2.09	-340.2	219.5	2,489.8	2,465.7	24.08	103.384		
11,100.0	10,609.0	8,576.7	8,120.0	38.2	29.9	1.57	-436.3	220.4	2,489.0	2,464.3	24.70	100.763		
11,200.0	10,609.0	8,674.6	8,120.0	38.6	30.4	1.12	-534.2	221.2	2,488.5	2,463.1	25.42	97.902		
11,300.0	10,609.0	8,773.1	8,120.0	39.0	30.9	0.74	-632.7	222.0	2,488.2	2,462.0	26.22	94.908		
11,400.0	10,609.0	8,872.2	8,120.0	39.5	31.6	0.44	-731.8	222.8	2,488.1	2,461.0	27.09	91.858		
11,500.0	10,609.0	8,971.7	8,120.0	40.1	32.3	0.21	-831.3	223.7	2,488.0	2,460.0	28.01	88.815		
11,600.0	10,609.0	9,071.5	8,120.0	40.7	33.1	0.06	-931.0	224.5	2,488.0	2,459.0	28.99	85.824		
11,669.0	10,609.0	9,140.4	8,120.0	41.1	33.6	0.00	-1,000.0	225.0	2,488.0	2,458.3	29.69	83.799		
11,700.0	10,609.0	9,171.4	8,120.0	41.3	33.9	-0.01	-1,031.0	225.3	2,488.0	2,458.0	30.01	82.916		
11,739.3	10,609.0	9,210.7	8,120.0	41.6	34.3	-0.02	-1,070.3	225.6	2,488.0	2,457.6	30.41	81.804		
11,800.0	10,609.0	9,271.4	8,120.0	42.0	34.8	-0.02	-1,131.0	226.1	2,488.0	2,456.9	31.06	80.106		
11,900.0	10,609.0	9,371.4	8,120.0	42.8	35.8	-0.02	-1,231.0	226.9	2,488.0	2,455.8	32.15	77.383		
12,000.0	10,609.0	9,471.4	8,120.0	43.6	36.8	-0.02	-1,331.0	227.7	2,488.0	2,454.7	33.28	74.757		
12,100.0	10,609.0	9,571.4	8,120.0	44.5	37.8	-0.02	-1,431.0	228.5	2,488.0	2,453.6	34.44	72.233		
12,200.0	10,609.0	9,671.4	8,120.0	45.4	38.9	-0.02	-1,531.0	229.4	2,488.0	2,452.4	35.64	69.814		
12,300.0	10,609.0	9,771.4	8,120.0	46.3	40.0	-0.02	-1,631.0	230.2	2,488.0	2,451.1	36.86	67.503		
12,400.0	10,609.0	9,871.4	8,120.0	47.3	41.2	-0.02	-1,730.9	231.0	2,488.0	2,449.9	38.10	65.298		
12,500.0	10,609.0	9,971.4	8,120.0	48.3	42.4	-0.02	-1,830.9	231.8	2,488.0	2,448.6	39.37	63.196		
12,600.0	10,609.0	10,071.4	8,120.0	49.4	43.6	-0.02	-1,930.9	232.6	2,488.0	2,447.3	40.66	61.195		
12,700.0	10,609.0	10,171.4	8,120.0	50.4	44.9	-0.02	-2,030.9	233.4	2,488.0	2,446.0	41.96	59.291		
12,800.0	10,609.0	10,271.4	8,120.0	51.6	46.1	-0.02	-2,130.9	234.2	2,488.0	2,444.7	43.29	57.479		
12,900.0	10,609.0	10,371.4	8,120.0	52.7	47.4	-0.02	-2,230.9	235.1	2,488.0	2,443.4	44.62	55.755		
13,000.0	10,609.0	10,471.4	8,120.0	53.9	48.8	-0.02	-2,330.9	235.9	2,488.0	2,442.0	45.98	54.115		
13,100.0	10,609.0	10,571.4	8,120.0	55.1	50.1	-0.02	-2,430.9	236.7	2,488.0	2,440.7	47.34	52.555		
13,200.0	10,609.0	10,671.4	8,120.0	56.3	51.5	-0.02	-2,530.9	237.5	2,488.0	2,439.3	48.72	51.069		
13,300.0	10,609.0	10,771.4	8,120.0	57.5	52.8	-0.02	-2,630.9	238.3	2,488.0	2,437.9	50.11	49.655		
13,400.0	10,609.0	10,871.4	8,120.0	58.8	54.2	-0.02	-2,730.9	239.1	2,488.0	2,436.5	51.50	48.307		
13,500.0	10,609.0	10,971.4	8,120.0	60.1	55.6	-0.02	-2,830.9	240.0	2,488.0	2,435.1	52.91	47.022		
13,600.0	10,609.0	11,071.4	8,120.0	61.4	57.1	-0.02	-2,930.9	240.8	2,488.0	2,433.7	54.33	45.796		
13,700.0	10,609.0	11,171.4	8,120.0	62.7	58.5	-0.02	-3,030.9	241.6	2,488.0	2,432.2	55.75	44.626		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #104H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,800.0	10,609.0	11,271.4	8,120.0	64.0	59.9	-0.02	-3,130.9	242.4	2,488.0	2,430.8	57.18	43.509		
13,900.0	10,609.0	11,371.4	8,120.0	65.4	61.4	-0.02	-3,230.9	243.2	2,488.0	2,429.4	58.62	42.442		
14,000.0	10,609.0	11,471.4	8,120.0	66.7	62.8	-0.02	-3,330.9	244.0	2,488.0	2,427.9	60.07	41.421		
14,100.0	10,609.0	11,571.4	8,120.0	68.1	64.3	-0.02	-3,430.9	244.8	2,488.0	2,426.5	61.52	40.444		
14,200.0	10,609.0	11,671.4	8,120.0	69.5	65.8	-0.02	-3,530.9	245.7	2,488.0	2,425.0	62.97	39.509		
14,300.0	10,609.0	11,771.4	8,120.0	70.9	67.3	-0.02	-3,630.9	246.5	2,488.0	2,423.6	64.43	38.613		
14,400.0	10,609.0	11,871.4	8,120.0	72.3	68.8	-0.02	-3,730.9	247.3	2,488.0	2,422.1	65.90	37.754		
14,500.0	10,609.0	11,971.4	8,120.0	73.7	70.3	-0.02	-3,830.9	248.1	2,488.0	2,420.6	67.37	36.929		
14,600.0	10,609.0	12,071.4	8,120.0	75.1	71.8	-0.02	-3,930.9	248.9	2,488.0	2,419.2	68.85	36.138		
14,700.0	10,609.0	12,171.4	8,120.0	76.5	73.3	-0.02	-4,030.9	249.7	2,488.0	2,417.7	70.33	35.378		
14,800.0	10,609.0	12,271.4	8,120.0	78.0	74.8	-0.01	-4,130.9	250.5	2,488.0	2,416.2	71.81	34.648		
14,900.0	10,609.0	12,371.4	8,120.0	79.4	76.4	-0.01	-4,230.9	251.4	2,488.0	2,414.7	73.30	33.945		
15,000.0	10,609.0	12,471.4	8,120.0	80.9	77.9	-0.01	-4,330.9	252.2	2,488.0	2,413.2	74.78	33.269		
15,100.0	10,609.0	12,571.4	8,120.0	82.4	79.4	-0.01	-4,430.9	253.0	2,488.0	2,411.7	76.28	32.618		
15,200.0	10,609.0	12,671.4	8,120.0	83.8	81.0	-0.01	-4,530.9	253.8	2,488.0	2,410.2	77.77	31.990		
15,300.0	10,609.0	12,771.4	8,120.0	85.3	82.5	-0.01	-4,630.9	254.6	2,488.0	2,408.7	79.27	31.386		
15,400.0	10,609.0	12,871.4	8,120.0	86.8	84.1	-0.01	-4,730.8	255.4	2,488.0	2,407.2	80.77	30.802		
15,500.0	10,609.0	12,971.4	8,120.0	88.3	85.6	-0.01	-4,830.8	256.3	2,488.0	2,405.7	82.28	30.239		
15,600.0	10,609.0	13,071.4	8,120.0	89.8	87.2	-0.01	-4,930.8	257.1	2,488.0	2,404.2	83.78	29.696		
15,700.0	10,609.0	13,171.4	8,120.0	91.3	88.7	-0.01	-5,030.8	257.9	2,488.0	2,402.7	85.29	29.170		
15,800.0	10,609.0	13,271.4	8,120.0	92.8	90.3	-0.01	-5,130.8	258.7	2,488.0	2,401.2	86.80	28.663		
15,900.0	10,609.0	13,371.4	8,120.0	94.3	91.9	-0.01	-5,230.8	259.5	2,488.0	2,399.7	88.32	28.172		
16,000.0	10,609.0	13,471.4	8,120.0	95.8	93.4	-0.01	-5,330.8	260.3	2,488.0	2,398.2	89.83	27.697		
16,100.0	10,609.0	13,571.4	8,120.0	97.4	95.0	-0.01	-5,430.8	261.1	2,488.0	2,396.7	91.35	27.237		
16,200.0	10,609.0	13,671.4	8,120.0	98.9	96.6	-0.01	-5,530.8	262.0	2,488.0	2,395.1	92.86	26.792		
16,300.0	10,609.0	13,771.4	8,120.0	100.4	98.2	-0.01	-5,630.8	262.8	2,488.0	2,393.6	94.38	26.360		
16,400.0	10,609.0	13,871.4	8,120.0	101.9	99.8	-0.01	-5,730.8	263.6	2,488.0	2,392.1	95.91	25.942		
16,500.0	10,609.0	13,971.4	8,120.0	103.5	101.3	-0.01	-5,830.8	264.4	2,488.0	2,390.6	97.43	25.537		
16,600.0	10,609.0	14,071.4	8,120.0	105.0	102.9	-0.01	-5,930.8	265.2	2,488.0	2,389.0	98.95	25.143		
16,700.0	10,609.0	14,171.4	8,120.0	106.6	104.5	-0.01	-6,030.8	266.0	2,488.0	2,387.5	100.48	24.762		
16,800.0	10,609.0	14,271.4	8,120.0	108.1	106.1	-0.01	-6,130.8	266.8	2,488.0	2,386.0	102.00	24.391		
16,900.0	10,609.0	14,371.4	8,120.0	109.7	107.7	-0.01	-6,230.8	267.7	2,488.0	2,384.5	103.53	24.031		
17,000.0	10,609.0	14,471.4	8,120.0	111.2	109.3	-0.01	-6,330.8	268.5	2,488.0	2,382.9	105.06	23.681		
17,100.0	10,609.0	14,571.4	8,120.0	112.8	110.9	-0.01	-6,430.8	269.3	2,488.0	2,381.4	106.59	23.341		
17,200.0	10,609.0	14,671.4	8,120.0	114.3	112.5	-0.01	-6,530.8	270.1	2,488.0	2,379.9	108.12	23.010		
17,300.0	10,609.0	14,771.4	8,120.0	115.9	114.1	-0.01	-6,630.8	270.9	2,488.0	2,378.3	109.66	22.689		
17,400.0	10,609.0	14,871.4	8,120.0	117.5	115.7	-0.01	-6,730.8	271.7	2,488.0	2,376.8	111.19	22.376		
17,500.0	10,609.0	14,971.4	8,120.0	119.0	117.3	-0.01	-6,830.8	272.5	2,488.0	2,375.3	112.73	22.071		
17,600.0	10,609.0	15,071.4	8,120.0	120.6	118.9	-0.01	-6,930.8	273.4	2,488.0	2,373.7	114.26	21.775		
17,700.0	10,609.0	15,171.4	8,120.0	122.2	120.5	-0.01	-7,030.8	274.2	2,488.0	2,372.2	115.80	21.486		
17,800.0	10,609.0	15,271.4	8,120.0	123.7	122.1	-0.01	-7,130.8	275.0	2,488.0	2,370.7	117.34	21.204		
17,900.0	10,609.0	15,371.4	8,120.0	125.3	123.7	-0.01	-7,230.8	275.8	2,488.0	2,369.1	118.87	20.930		
18,000.0	10,609.0	15,471.4	8,120.0	126.9	125.3	-0.01	-7,330.8	276.6	2,488.0	2,367.6	120.41	20.662		
18,100.0	10,609.0	15,571.4	8,120.0	128.5	126.9	-0.01	-7,430.8	277.4	2,488.0	2,366.0	121.95	20.401		
18,200.0	10,609.0	15,671.4	8,120.0	130.1	128.5	-0.01	-7,530.8	278.3	2,488.0	2,364.5	123.49	20.147		
18,300.0	10,609.0	15,771.4	8,120.0	131.6	130.1	-0.01	-7,630.8	279.1	2,488.0	2,363.0	125.03	19.898		
18,400.0	10,609.0	15,871.4	8,120.0	133.2	131.7	-0.01	-7,730.7	279.9	2,488.0	2,361.4	126.58	19.656		
18,500.0	10,609.0	15,971.4	8,120.0	134.8	133.4	-0.01	-7,830.7	280.7	2,488.0	2,359.9	128.12	19.419		
18,600.0	10,609.0	16,071.4	8,120.0	136.4	135.0	-0.01	-7,930.7	281.5	2,488.0	2,358.3	129.66	19.188		
18,700.0	10,609.0	16,171.4	8,120.0	138.0	136.6	-0.01	-8,030.7	282.3	2,488.0	2,356.8	131.21	18.962		
18,800.0	10,609.0	16,271.4	8,120.0	139.6	138.2	-0.01	-8,130.7	283.1	2,488.0	2,355.2	132.75	18.742		
18,900.0	10,609.0	16,371.4	8,120.0	141.2	139.8	-0.01	-8,230.7	284.0	2,488.0	2,353.7	134.30	18.526		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #104H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,000.0	10,609.0	16,471.4	8,120.0	142.8	141.4	-0.01	-8,330.7	284.8	2,488.0	2,352.2	135.84	18.315		
19,100.0	10,609.0	16,571.4	8,120.0	144.4	143.0	-0.01	-8,430.7	285.6	2,488.0	2,350.6	137.39	18.109		
19,200.0	10,609.0	16,671.4	8,120.0	146.0	144.7	-0.01	-8,530.7	286.4	2,488.0	2,349.1	138.94	17.908		
19,300.0	10,609.0	16,771.4	8,120.0	147.6	146.3	-0.01	-8,630.7	287.2	2,488.0	2,347.5	140.48	17.710		
19,400.0	10,609.0	16,871.4	8,120.0	149.2	147.9	-0.01	-8,730.7	288.0	2,488.0	2,346.0	142.03	17.517		
19,500.0	10,609.0	16,971.4	8,120.0	150.8	149.5	-0.01	-8,830.7	288.8	2,488.0	2,344.4	143.58	17.329		
19,600.0	10,609.0	17,071.4	8,120.0	152.4	151.2	-0.01	-8,930.7	289.7	2,488.0	2,342.9	145.13	17.144		
19,700.0	10,609.0	17,171.4	8,120.0	154.0	152.8	-0.01	-9,030.7	290.5	2,488.0	2,341.3	146.68	16.963		
19,800.0	10,609.0	17,271.4	8,120.0	155.6	154.4	-0.01	-9,130.7	291.3	2,488.0	2,339.8	148.23	16.785		
19,900.0	10,609.0	17,371.4	8,120.0	157.2	156.0	-0.01	-9,230.7	292.1	2,488.0	2,338.2	149.78	16.612		
20,000.0	10,609.0	17,471.4	8,120.0	158.8	157.6	-0.01	-9,330.7	292.9	2,488.0	2,336.7	151.33	16.441		
20,100.0	10,609.0	17,571.4	8,120.0	160.4	159.3	-0.01	-9,430.7	293.7	2,488.0	2,335.1	152.88	16.275		
20,200.0	10,609.0	17,671.4	8,120.0	162.0	160.9	-0.01	-9,530.7	294.6	2,488.0	2,333.6	154.43	16.111		
20,300.0	10,609.0	17,771.4	8,120.0	163.6	162.5	-0.01	-9,630.7	295.4	2,488.0	2,332.0	155.98	15.951		
20,400.0	10,609.0	17,871.4	8,120.0	165.2	164.1	-0.01	-9,730.7	296.2	2,488.0	2,330.5	157.53	15.794		
20,500.0	10,609.0	17,971.4	8,120.0	166.8	165.8	0.00	-9,830.7	297.0	2,488.0	2,328.9	159.08	15.640		
20,600.0	10,609.0	18,071.4	8,120.0	168.4	167.4	0.00	-9,930.7	297.8	2,488.0	2,327.4	160.64	15.489		
20,700.0	10,609.0	18,171.4	8,120.0	170.0	169.0	0.00	-10,030.7	298.6	2,488.0	2,325.8	162.19	15.340		
20,800.0	10,609.0	18,271.4	8,120.0	171.7	170.7	0.00	-10,130.7	299.4	2,488.0	2,324.3	163.74	15.195		
20,900.0	10,609.0	18,371.4	8,120.0	173.3	172.3	0.00	-10,230.7	300.3	2,488.0	2,322.7	165.29	15.052		
21,000.0	10,609.0	18,471.4	8,120.0	174.9	173.9	0.00	-10,330.7	301.1	2,488.0	2,321.2	166.85	14.912		
21,100.0	10,609.0	18,571.4	8,120.0	176.5	175.5	0.00	-10,430.7	301.9	2,488.0	2,319.6	168.40	14.774		
21,200.0	10,609.0	18,671.4	8,120.0	178.1	177.2	0.00	-10,530.7	302.7	2,488.0	2,318.0	169.96	14.639		
21,300.0	10,609.0	18,771.4	8,120.0	179.7	178.8	0.00	-10,630.7	303.5	2,488.0	2,316.5	171.51	14.506		
21,400.0	10,609.0	18,871.4	8,120.0	181.3	180.4	0.00	-10,730.6	304.3	2,488.0	2,314.9	173.07	14.376		
21,500.0	10,609.0	18,971.4	8,120.0	183.0	182.1	0.00	-10,830.6	305.1	2,488.0	2,313.4	174.62	14.248		
21,600.0	10,609.0	19,071.4	8,120.0	184.6	183.7	0.00	-10,930.6	306.0	2,488.0	2,311.8	176.18	14.122		
21,700.0	10,609.0	19,171.4	8,120.0	186.2	185.3	0.00	-11,030.6	306.8	2,488.0	2,310.3	177.73	13.999		
21,800.0	10,609.0	19,271.4	8,120.0	187.8	187.0	0.00	-11,130.6	307.6	2,488.0	2,308.7	179.29	13.877		
21,900.0	10,609.0	19,371.4	8,120.0	189.4	188.6	0.00	-11,230.6	308.4	2,488.0	2,307.2	180.84	13.758		
22,000.0	10,609.0	19,471.4	8,120.0	191.1	190.2	0.00	-11,330.6	309.2	2,488.0	2,305.6	182.40	13.640		
22,100.0	10,609.0	19,571.4	8,120.0	192.7	191.9	0.00	-11,430.6	310.0	2,488.0	2,304.0	183.96	13.525		
22,200.0	10,609.0	19,671.4	8,120.0	194.3	193.5	0.00	-11,530.6	310.9	2,488.0	2,302.5	185.51	13.411		
22,300.0	10,609.0	19,771.4	8,120.0	195.9	195.1	0.00	-11,630.6	311.7	2,488.0	2,300.9	187.07	13.300		
22,400.0	10,609.0	19,871.4	8,120.0	197.5	196.8	0.00	-11,730.6	312.5	2,488.0	2,299.4	188.63	13.190		
22,500.0	10,609.0	19,971.4	8,120.0	199.2	198.4	0.00	-11,830.6	313.3	2,488.0	2,297.8	190.19	13.082		
22,600.0	10,609.0	20,071.4	8,120.0	200.8	200.0	0.00	-11,930.6	314.1	2,488.0	2,296.3	191.74	12.976		
22,700.0	10,609.0	20,171.4	8,120.0	202.4	201.7	0.00	-12,030.6	314.9	2,488.0	2,294.7	193.30	12.871		
22,800.0	10,609.0	20,271.4	8,120.0	204.0	203.3	0.00	-12,130.6	315.7	2,488.0	2,293.1	194.86	12.768		
22,900.0	10,609.0	20,371.4	8,120.0	205.7	204.9	0.00	-12,230.6	316.6	2,488.0	2,291.6	196.42	12.667		
23,000.0	10,609.0	20,471.4	8,120.0	207.3	206.6	0.00	-12,330.6	317.4	2,488.0	2,290.0	197.98	12.567		
23,100.0	10,609.0	20,571.4	8,120.0	208.9	208.2	0.00	-12,430.6	318.2	2,488.0	2,288.5	199.53	12.469		
23,112.4	10,609.0	20,583.8	8,120.0	209.1	208.4	0.00	-12,443.0	318.3	2,488.0	2,288.3	199.73	12.457		
23,112.9	10,609.0	20,584.3	8,120.0	209.1	208.4	0.00	-12,443.4	318.3	2,488.0	2,288.3	199.73	12.457		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #108H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.0	-1.0	0.0	0.0	-72.06	29.2	-90.3	94.9					
100.0	100.0	101.0	99.0	0.1	0.1	-72.06	29.2	-90.3	94.9	94.6	0.26	365.090		
200.0	200.0	201.0	199.0	0.5	0.5	-72.06	29.2	-90.3	94.9	93.9	0.98	97.134		
300.0	300.0	301.0	299.0	0.8	0.8	-72.06	29.2	-90.3	94.9	93.2	1.69	56.019		
400.0	400.0	401.0	399.0	1.2	1.2	-72.06	29.2	-90.3	94.9	92.5	2.41	39.359		
500.0	500.0	499.0	499.0	1.6	1.6	-72.06	29.2	-90.3	94.9	91.8	3.12	30.407		
600.0	600.0	600.8	600.7	1.9	1.9	-71.72	29.5	-89.2	94.0	90.1	3.84	24.477		
700.0	700.0	702.4	702.4	2.3	2.3	-70.65	30.2	-86.0	91.2	86.6	4.55	20.021		
800.0	800.0	803.9	803.7	2.6	2.6	-68.72	31.4	-80.6	86.6	81.3	5.27	16.430		
900.0	900.0	905.1	904.6	3.0	3.0	-65.64	33.1	-73.1	80.4	74.4	5.99	13.422		
1,000.0	1,000.0	1,005.9	1,004.9	3.4	3.4	-60.95	35.2	-63.4	72.8	66.1	6.71	10.851		
1,100.0	1,100.0	1,106.3	1,104.5	3.7	3.8	-53.82	37.8	-51.8	64.4	56.9	7.44	8.655		
1,200.0	1,200.0	1,206.0	1,203.3	4.1	4.1	-42.93	40.9	-38.1	56.0	47.9	8.18	6.850		
1,300.0	1,300.0	1,305.1	1,301.1	4.4	4.5	-26.77	44.4	-22.4	49.8	40.8	8.96	5.559		
1,369.9	1,369.9	1,374.0	1,368.9	4.7	4.8	-12.62	47.1	-10.5	48.2	38.7	9.51	5.074 CC, ES		
1,400.0	1,400.0	1,403.6	1,398.1	4.8	5.0	-6.40	48.2	-5.4	48.5	38.8	9.74	4.983 SF		
1,500.0	1,500.0	1,502.0	1,494.9	5.1	5.4	12.61	52.0	11.6	53.5	43.0	10.47	5.107		
1,600.0	1,600.0	1,600.4	1,591.7	5.5	5.8	27.19	55.9	28.7	63.2	52.0	11.16	5.662		
1,700.0	1,700.0	1,701.1	1,688.6	5.9	6.2	37.47	59.7	45.7	75.9	64.1	11.85	6.403		
1,800.0	1,800.0	1,797.3	1,785.4	6.2	6.6	44.69	63.5	62.8	90.3	77.8	12.53	7.207		
1,900.0	1,900.0	1,904.3	1,882.3	6.6	7.1	49.87	67.3	79.9	105.8	92.5	13.26	7.976		
2,000.0	2,000.0	2,005.9	1,979.1	6.9	7.6	53.72	71.1	96.9	121.8	107.9	13.97	8.720		
2,100.0	2,100.0	2,092.5	2,076.0	7.3	7.9	56.67	74.9	114.0	138.3	123.7	14.63	9.453		
2,200.0	2,200.0	2,209.1	2,172.8	7.7	8.5	58.99	78.8	131.0	155.1	139.7	15.41	10.063		
2,300.0	2,300.0	2,289.3	2,269.7	8.0	8.8	60.85	82.6	148.1	172.0	156.0	16.05	10.718		
2,400.0	2,400.0	2,387.7	2,366.5	8.4	9.3	62.38	86.4	165.1	189.2	172.4	16.77	11.282		
2,500.0	2,500.0	2,486.1	2,463.4	8.7	9.7	63.65	90.2	182.2	206.4	188.9	17.48	11.805		
2,600.0	2,600.0	2,584.7	2,560.4	9.1	10.1	2.22	94.0	199.2	222.8	204.6	18.19	12.246		
2,700.0	2,700.0	2,683.5	2,657.6	9.4	10.6	3.17	97.9	216.4	237.6	218.7	18.90	12.569		
2,800.0	2,799.9	2,782.6	2,755.1	9.8	11.0	4.04	101.7	233.5	250.7	231.1	19.62	12.781		
2,900.0	2,899.7	2,881.9	2,852.8	10.1	11.5	4.86	105.6	250.7	262.2	241.8	20.33	12.894		
3,000.0	2,999.4	2,981.3	2,950.7	10.5	11.9	5.64	109.4	268.0	272.0	250.9	21.05	12.918		
3,100.0	3,098.9	3,080.9	3,048.7	10.8	12.4	6.40	113.3	285.2	280.0	258.3	21.77	12.863		
3,200.0	3,198.3	3,180.6	3,146.8	11.2	12.8	7.17	117.2	302.5	286.5	264.0	22.49	12.735		
3,300.0	3,297.4	3,280.4	3,245.1	11.6	13.3	7.95	121.0	319.8	291.2	268.0	23.22	12.543		
3,400.0	3,396.4	3,380.3	3,343.3	11.9	13.7	8.73	124.9	337.1	295.1	271.2	23.94	12.327		
3,500.0	3,495.5	3,480.1	3,441.6	12.3	14.2	9.50	128.8	354.4	299.1	274.4	24.67	12.125		
3,600.0	3,594.5	3,580.0	3,539.8	12.7	14.6	10.24	132.6	371.7	303.1	277.7	25.40	11.937		
3,700.0	3,693.5	3,679.8	3,638.1	13.1	15.1	10.97	136.5	389.0	307.2	281.1	26.12	11.760		
3,800.0	3,792.5	3,779.7	3,736.3	13.4	15.5	11.68	140.4	406.3	311.4	284.5	26.86	11.594		
3,900.0	3,891.6	3,879.5	3,834.6	13.8	16.0	12.37	144.3	423.6	315.5	287.9	27.59	11.437		
4,000.0	3,990.6	3,979.3	3,932.8	14.2	16.5	13.04	148.1	440.9	319.8	291.4	28.32	11.290		
4,100.0	4,089.6	4,079.2	4,031.1	14.6	16.9	13.69	152.0	458.2	324.0	295.0	29.06	11.151		
4,200.0	4,188.6	4,179.0	4,129.3	15.0	17.4	14.32	155.9	475.5	328.3	298.5	29.79	11.020		
4,300.0	4,287.7	4,278.9	4,227.6	15.4	17.8	14.94	159.8	492.8	332.7	302.1	30.53	10.896		
4,400.0	4,386.7	4,378.7	4,325.9	15.8	18.3	15.55	163.6	510.1	337.1	305.8	31.27	10.778		
4,500.0	4,485.7	4,478.5	4,424.1	16.2	18.7	16.13	167.5	527.4	341.5	309.5	32.01	10.667		
4,600.0	4,584.8	4,578.4	4,522.4	16.6	19.2	16.71	171.4	544.7	345.9	313.2	32.76	10.561		
4,700.0	4,683.8	4,678.2	4,620.6	17.0	19.6	17.27	175.2	562.0	350.4	316.9	33.50	10.460		
4,800.0	4,782.8	4,778.1	4,718.9	17.3	20.1	17.81	179.1	579.3	354.9	320.7	34.25	10.364		
4,900.0	4,881.8	4,878.7	4,817.9	17.7	20.5	18.34	183.0	596.7	359.4	324.4	35.00	10.269		
5,000.0	4,980.9	4,980.6	4,918.2	18.1	21.0	18.88	186.9	613.8	363.5	327.8	35.77	10.163		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #108H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,079.9	5,082.5	5,018.7	18.5	21.5	19.41	190.6	630.5	367.1	330.6	36.54	10.047		
5,200.0	5,178.9	5,184.4	5,119.3	18.9	21.9	19.93	194.2	646.6	370.1	332.8	37.31	9.922		
5,300.0	5,277.9	5,286.3	5,220.0	19.3	22.4	20.46	197.7	662.1	372.7	334.6	38.07	9.788		
5,400.0	5,377.0	5,388.3	5,320.8	19.7	22.8	20.99	201.0	677.1	374.7	335.8	38.84	9.647		
5,500.0	5,476.0	5,490.3	5,421.7	20.1	23.2	21.52	204.3	691.6	376.2	336.6	39.61	9.498		
5,600.0	5,575.0	5,592.3	5,522.7	20.6	23.7	22.06	207.4	705.5	377.2	336.8	40.37	9.342		
5,700.0	5,674.0	5,694.3	5,623.7	21.0	24.1	22.61	210.4	718.9	377.6	336.5	41.14	9.179		
5,800.0	5,773.1	5,796.3	5,724.9	21.4	24.5	23.17	213.3	731.8	377.6	335.7	41.90	9.011		
5,900.0	5,872.1	5,898.3	5,826.1	21.8	24.9	23.74	216.0	744.1	377.0	334.4	42.67	8.836		
6,000.0	5,971.1	6,000.2	5,927.4	22.2	25.3	24.33	218.6	755.8	376.0	332.5	43.43	8.656		
6,100.0	6,070.2	6,102.2	6,028.7	22.6	25.7	24.93	221.2	767.0	374.4	330.2	44.19	8.471		
6,200.0	6,169.2	6,204.1	6,130.0	23.0	26.1	25.56	223.5	777.7	372.3	327.4	44.96	8.281		
6,300.0	6,268.2	6,306.0	6,231.3	23.4	26.5	26.21	225.8	787.8	369.8	324.0	45.72	8.087		
6,400.0	6,367.2	6,407.8	6,332.7	23.8	26.9	26.89	227.9	797.4	366.7	320.2	46.49	7.888		
6,425.1	6,392.0	6,433.3	6,358.1	23.9	27.0	27.07	228.5	799.7	365.9	319.2	46.68	7.838		
6,500.0	6,466.4	6,509.7	6,434.1	24.2	27.3	27.53	230.0	806.4	363.8	316.6	47.25	7.700		
6,600.0	6,565.8	6,611.6	6,535.7	24.6	27.7	28.02	231.9	814.8	362.7	314.7	48.00	7.556		
6,613.5	6,579.2	6,625.3	6,549.4	24.6	27.7	28.07	232.1	815.9	362.7	314.6	48.10	7.540		
6,700.0	6,665.5	6,713.5	6,637.3	25.0	28.1	28.34	233.6	822.8	363.3	314.6	48.74	7.455		
6,800.0	6,765.3	6,815.4	6,738.9	25.3	28.4	28.50	235.3	830.2	365.7	316.3	49.46	7.395		
6,900.0	6,865.3	6,917.3	6,840.5	25.7	28.8	28.48	236.8	837.0	369.9	319.8	50.17	7.374		
6,958.4	6,923.6	6,976.7	6,899.9	25.9	29.0	90.92	237.7	840.7	373.2	322.6	50.57	7.380		
7,000.0	6,965.3	7,019.1	6,942.2	26.0	29.2	90.82	238.2	843.3	375.7	324.8	50.86	7.387		
7,100.0	7,065.3	7,121.0	7,043.8	26.4	29.5	90.62	239.5	849.0	381.3	329.8	51.54	7.398		
7,200.0	7,165.3	7,222.9	7,145.6	26.7	29.9	90.44	240.7	854.2	386.4	334.2	52.23	7.398		
7,300.0	7,265.3	7,324.9	7,247.5	27.0	30.2	90.28	241.7	858.9	391.0	338.0	52.92	7.388		
7,400.0	7,365.3	7,426.9	7,349.4	27.4	30.6	90.14	242.6	863.0	395.0	341.4	53.60	7.369		
7,500.0	7,465.3	7,529.0	7,451.4	27.7	30.9	90.03	243.4	866.5	398.5	344.2	54.29	7.340		
7,600.0	7,565.3	7,631.1	7,553.5	28.1	31.2	89.93	244.1	869.5	401.4	346.4	54.97	7.302		
7,700.0	7,665.3	7,733.2	7,655.6	28.4	31.6	89.85	244.7	872.0	403.8	348.2	55.65	7.256		
7,800.0	7,765.3	7,835.4	7,757.8	28.7	31.9	89.79	245.1	873.9	405.7	349.4	56.33	7.202		
7,900.0	7,865.3	7,937.6	7,859.9	29.1	32.2	89.75	245.4	875.3	407.0	350.0	57.01	7.140		
8,000.0	7,965.3	8,039.8	7,962.1	29.4	32.5	89.73	245.6	876.1	407.8	350.1	57.69	7.070		
8,100.0	8,065.3	8,142.0	8,064.3	29.8	32.9	89.72	245.6	876.3	408.1	349.7	58.36	6.992		
8,122.6	8,087.9	8,164.5	8,086.9	29.8	32.9	89.80	245.0	876.3	408.1	349.6	58.51	6.974		
8,200.0	8,165.3	8,240.9	8,162.7	30.1	33.1	91.00	236.5	876.4	408.2	349.1	59.08	6.909		
8,300.0	8,265.3	8,334.1	8,252.7	30.4	33.4	94.35	212.6	876.5	409.5	349.6	59.90	6.836		
8,400.0	8,365.3	8,417.8	8,329.2	30.8	33.6	99.00	179.0	876.6	414.9	354.1	60.73	6.831		
8,500.0	8,465.3	8,490.3	8,391.0	31.1	33.7	104.10	141.1	876.7	427.4	366.2	61.21	6.983		
8,600.0	8,565.3	8,550.0	8,437.9	31.5	33.8	108.84	104.2	876.8	449.8	388.9	60.90	7.386		
8,700.0	8,665.3	8,600.0	8,474.1	31.8	33.9	113.05	69.7	877.0	483.1	423.5	59.64	8.101		
8,800.0	8,765.3	8,650.0	8,507.1	32.2	33.9	117.35	32.2	877.1	527.2	469.3	57.90	9.105		
8,900.0	8,865.3	8,683.9	8,527.6	32.5	34.0	120.25	5.2	877.2	580.9	525.5	55.38	10.488		
9,000.0	8,965.3	8,715.0	8,545.0	32.8	34.0	122.87	-20.7	877.3	642.6	589.8	52.78	12.176		
9,100.0	9,065.3	8,750.0	8,562.8	33.2	34.0	125.74	-50.7	877.4	711.0	660.4	50.54	14.067		
9,200.0	9,165.3	8,764.4	8,569.6	33.5	34.1	126.89	-63.5	877.4	784.4	736.6	47.84	16.396		
9,300.0	9,265.3	8,784.2	8,578.4	33.9	34.1	128.44	-81.2	877.5	862.2	816.5	45.69	18.869		
9,400.0	9,365.3	8,800.0	8,585.0	34.2	34.1	129.65	-95.5	877.5	943.3	899.6	43.73	21.569		
9,500.0	9,465.3	8,816.7	8,591.5	34.6	34.1	130.90	-110.9	877.6	1,027.1	985.0	42.11	24.389		
9,600.0	9,565.3	8,830.2	8,596.5	34.9	34.1	131.88	-123.5	877.6	1,113.1	1,072.4	40.66	27.376		
9,700.0	9,665.3	8,850.0	8,603.2	35.3	34.2	133.29	-142.1	877.7	1,200.9	1,161.3	39.61	30.320		
9,800.0	9,765.3	8,850.0	8,603.2	35.6	34.2	133.29	-142.1	877.7	1,290.1	1,251.9	38.24	33.740		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #108H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.0	9,865.3	8,850.0	8,603.2	36.0	34.2	133.29	-142.1	877.7	1,380.8	1,343.7	37.08	37.238		
10,000.0	9,965.3	8,871.3	8,609.7	36.3	34.2	134.75	-162.3	877.8	1,472.2	1,435.6	36.58	40.247		
10,070.7	10,036.0	8,876.9	8,611.3	36.5	34.2	135.13	-167.8	877.8	1,537.5	1,501.4	36.08	42.608		
10,100.0	10,065.2	8,879.4	8,612.0	36.6	34.2	-53.80	-170.1	877.8	1,564.5	1,528.6	35.89	43.591		
10,150.0	10,115.0	8,900.0	8,617.3	36.8	34.2	-44.75	-190.0	877.9	1,610.2	1,574.3	35.87	44.883		
10,200.0	10,164.2	8,900.0	8,617.3	36.9	34.2	-38.51	-190.0	877.9	1,654.3	1,618.9	35.43	46.697		
10,250.0	10,212.3	8,900.0	8,617.3	37.1	34.2	-33.63	-190.0	877.9	1,697.1	1,662.1	34.98	48.513		
10,300.0	10,259.2	8,900.0	8,617.3	37.2	34.2	-29.78	-190.0	877.9	1,738.4	1,703.9	34.55	50.310		
10,350.0	10,304.3	8,900.0	8,617.3	37.3	34.2	-26.72	-190.0	877.9	1,778.0	1,743.8	34.15	52.066		
10,400.0	10,347.4	8,919.2	8,621.5	37.4	34.3	-24.22	-208.7	877.9	1,815.2	1,781.2	34.07	53.275		
10,450.0	10,388.2	8,927.8	8,623.3	37.4	34.3	-22.26	-217.2	878.0	1,850.4	1,816.5	33.84	54.673		
10,500.0	10,426.2	8,950.0	8,627.1	37.5	34.3	-20.70	-239.0	878.0	1,883.3	1,849.5	33.83	55.669		
10,550.0	10,461.3	8,950.0	8,627.1	37.6	34.3	-19.41	-239.0	878.0	1,913.3	1,879.7	33.55	57.034		
10,600.0	10,493.1	8,950.0	8,627.1	37.6	34.3	-18.34	-239.0	878.0	1,940.8	1,907.5	33.33	58.232		
10,650.0	10,521.5	8,950.0	8,627.1	37.6	34.3	-17.46	-239.0	878.0	1,965.7	1,932.5	33.18	59.235		
10,700.0	10,546.2	8,976.4	8,630.6	37.7	34.4	-16.86	-265.2	878.1	1,987.2	1,953.8	33.36	59.565		
10,750.0	10,567.0	9,000.0	8,632.7	37.7	34.4	-16.40	-288.7	878.2	2,006.1	1,972.6	33.54	59.806		
10,800.0	10,583.7	9,000.0	8,632.7	37.7	34.4	-15.95	-288.7	878.2	2,021.6	1,988.0	33.60	60.171		
10,850.0	10,596.3	9,000.0	8,632.7	37.7	34.4	-15.59	-288.7	878.2	2,034.2	2,000.5	33.75	60.277		
10,900.0	10,604.6	9,019.0	8,633.6	37.7	34.5	-15.46	-307.7	878.3	2,043.5	2,009.4	34.08	59.957		
10,950.0	10,608.6	9,038.6	8,634.0	37.8	34.5	-15.42	-327.3	878.3	2,049.7	2,015.2	34.48	59.454		
10,970.7	10,609.0	9,038.6	8,634.0	37.9	34.5	-15.38	-327.3	878.3	2,051.3	2,016.6	34.63	59.238		
11,000.0	10,609.0	9,046.2	8,634.0	37.9	34.5	-15.47	-334.9	878.4	2,053.2	2,018.3	34.88	58.857		
11,100.0	10,609.0	9,142.2	8,634.0	38.2	34.8	-16.21	-430.8	879.2	2,059.9	2,023.9	35.99	57.231		
11,200.0	10,609.0	9,240.0	8,634.0	38.6	35.2	-16.86	-528.7	880.0	2,065.8	2,028.7	37.11	55.667		
11,300.0	10,609.0	9,338.6	8,634.0	39.0	35.7	-17.40	-627.3	880.8	2,070.9	2,032.7	38.24	54.162		
11,400.0	10,609.0	9,437.7	8,634.0	39.5	36.2	-17.84	-726.3	881.6	2,075.0	2,035.7	39.36	52.719		
11,500.0	10,609.0	9,537.1	8,634.0	40.1	36.9	-18.16	-825.8	882.4	2,078.2	2,037.7	40.48	51.335		
11,600.0	10,609.0	9,636.9	8,634.0	40.7	37.6	-18.37	-925.6	883.2	2,080.2	2,038.6	41.59	50.013		
11,700.0	10,609.0	9,736.9	8,634.0	41.3	38.3	-18.47	-1,025.5	884.1	2,081.2	2,038.5	42.69	48.751		
11,739.3	10,609.0	9,776.2	8,634.0	41.6	38.6	-18.48	-1,064.8	884.4	2,081.3	2,038.2	43.12	48.272		
11,800.0	10,609.0	9,836.9	8,634.0	42.0	39.1	-18.48	-1,125.5	884.9	2,081.3	2,037.5	43.78	47.540		
11,900.0	10,609.0	9,936.9	8,634.0	42.8	40.0	-18.48	-1,225.5	885.7	2,081.3	2,036.4	44.91	46.343		
12,000.0	10,609.0	10,036.9	8,634.0	43.6	40.9	-18.48	-1,325.5	886.5	2,081.3	2,035.2	46.09	45.162		
12,100.0	10,609.0	10,136.9	8,634.0	44.5	41.9	-18.48	-1,425.5	887.4	2,081.3	2,034.0	47.30	44.002		
12,200.0	10,609.0	10,236.9	8,634.0	45.4	42.9	-18.48	-1,525.5	888.2	2,081.3	2,032.8	48.55	42.867		
12,300.0	10,609.0	10,336.9	8,634.0	46.3	43.9	-18.48	-1,625.5	889.0	2,081.3	2,031.5	49.84	41.759		
12,400.0	10,609.0	10,436.9	8,634.0	47.3	45.0	-18.48	-1,725.5	889.8	2,081.3	2,030.2	51.16	40.682		
12,500.0	10,609.0	10,536.9	8,634.0	48.3	46.1	-18.48	-1,825.5	890.7	2,081.3	2,028.8	52.51	39.636		
12,600.0	10,609.0	10,636.9	8,634.0	49.4	47.3	-18.48	-1,925.5	891.5	2,081.3	2,027.4	53.89	38.623		
12,700.0	10,609.0	10,736.9	8,634.0	50.4	48.4	-18.48	-2,025.5	892.3	2,081.3	2,026.0	55.29	37.643		
12,800.0	10,609.0	10,836.9	8,634.0	51.6	49.6	-18.48	-2,125.5	893.1	2,081.3	2,024.6	56.72	36.697		
12,900.0	10,609.0	10,936.9	8,634.0	52.7	50.9	-18.48	-2,225.5	894.0	2,081.3	2,023.2	58.17	35.783		
13,000.0	10,609.0	11,036.9	8,634.0	53.9	52.1	-18.48	-2,325.5	894.8	2,081.3	2,021.7	59.63	34.902		
13,100.0	10,609.0	11,136.9	8,634.0	55.1	53.4	-18.48	-2,425.5	895.6	2,081.3	2,020.2	61.12	34.052		
13,200.0	10,609.0	11,236.9	8,634.0	56.3	54.7	-18.48	-2,525.5	896.4	2,081.3	2,018.7	62.63	33.234		
13,300.0	10,609.0	11,336.9	8,634.0	57.5	56.0	-18.48	-2,625.5	897.3	2,081.3	2,017.2	64.15	32.446		
13,400.0	10,609.0	11,436.9	8,634.0	58.8	57.3	-18.48	-2,725.5	898.1	2,081.3	2,015.6	65.68	31.687		
13,500.0	10,609.0	11,536.9	8,634.0	60.1	58.7	-18.48	-2,825.5	898.9	2,081.3	2,014.1	67.24	30.956		
13,600.0	10,609.0	11,636.9	8,634.0	61.4	60.0	-18.48	-2,925.5	899.7	2,081.3	2,012.5	68.80	30.252		
13,700.0	10,609.0	11,736.9	8,634.0	62.7	61.4	-18.48	-3,025.5	900.6	2,081.3	2,011.0	70.38	29.575		
13,800.0	10,609.0	11,836.9	8,634.0	64.0	62.8	-18.48	-3,125.5	901.4	2,081.3	2,009.4	71.96	28.922		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #108H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.0	10,609.0	11,936.9	8,634.0	65.4	64.2	-18.48	-3,225.5	902.2	2,081.3	2,007.8	73.56	28.294		
14,000.0	10,609.0	12,036.9	8,634.0	66.7	65.6	-18.48	-3,325.5	903.0	2,081.3	2,006.2	75.17	27.688		
14,100.0	10,609.0	12,136.9	8,634.0	68.1	67.0	-18.48	-3,425.5	903.9	2,081.3	2,004.5	76.79	27.105		
14,200.0	10,609.0	12,236.9	8,634.0	69.5	68.5	-18.48	-3,525.4	904.7	2,081.3	2,002.9	78.42	26.542		
14,300.0	10,609.0	12,336.9	8,634.0	70.9	69.9	-18.48	-3,625.4	905.5	2,081.3	2,001.3	80.05	26.000		
14,400.0	10,609.0	12,436.9	8,634.0	72.3	71.4	-18.48	-3,725.4	906.3	2,081.3	1,999.6	81.70	25.477		
14,500.0	10,609.0	12,536.9	8,634.0	73.7	72.8	-18.48	-3,825.4	907.2	2,081.3	1,998.0	83.35	24.972		
14,600.0	10,609.0	12,636.9	8,634.0	75.1	74.3	-18.48	-3,925.4	908.0	2,081.3	1,996.3	85.00	24.485		
14,700.0	10,609.0	12,736.9	8,634.0	76.5	75.8	-18.48	-4,025.4	908.8	2,081.3	1,994.7	86.67	24.015		
14,800.0	10,609.0	12,836.9	8,634.0	78.0	77.3	-18.48	-4,125.4	909.6	2,081.3	1,993.0	88.34	23.561		
14,900.0	10,609.0	12,936.9	8,634.0	79.4	78.7	-18.48	-4,225.4	910.5	2,081.3	1,991.3	90.01	23.122		
15,000.0	10,609.0	13,036.9	8,634.0	80.9	80.2	-18.48	-4,325.4	911.3	2,081.3	1,989.6	91.70	22.698		
15,100.0	10,609.0	13,136.9	8,634.0	82.4	81.7	-18.48	-4,425.4	912.1	2,081.3	1,988.0	93.38	22.288		
15,200.0	10,609.0	13,236.9	8,634.0	83.8	83.3	-18.48	-4,525.4	913.0	2,081.3	1,986.3	95.08	21.891		
15,300.0	10,609.0	13,336.9	8,634.0	85.3	84.8	-18.48	-4,625.4	913.8	2,081.3	1,984.6	96.77	21.508		
15,400.0	10,609.0	13,436.9	8,634.0	86.8	86.3	-18.48	-4,725.4	914.6	2,081.3	1,982.9	98.47	21.136		
15,500.0	10,609.0	13,536.9	8,634.0	88.3	87.8	-18.48	-4,825.4	915.4	2,081.3	1,981.2	100.18	20.776		
15,600.0	10,609.0	13,636.9	8,634.0	89.8	89.3	-18.48	-4,925.4	916.3	2,081.3	1,979.5	101.89	20.428		
15,700.0	10,609.0	13,736.9	8,634.0	91.3	90.9	-18.48	-5,025.4	917.1	2,081.3	1,977.7	103.60	20.090		
15,800.0	10,609.0	13,836.9	8,634.0	92.8	92.4	-18.48	-5,125.4	917.9	2,081.3	1,976.0	105.32	19.762		
15,900.0	10,609.0	13,936.9	8,634.0	94.3	93.9	-18.48	-5,225.4	918.7	2,081.3	1,974.3	107.04	19.445		
16,000.0	10,609.0	14,036.9	8,634.0	95.8	95.5	-18.48	-5,325.4	919.6	2,081.3	1,972.6	108.76	19.137		
16,100.0	10,609.0	14,136.9	8,634.0	97.4	97.0	-18.48	-5,425.4	920.4	2,081.4	1,970.9	110.49	18.838		
16,200.0	10,609.0	14,236.9	8,634.0	98.9	98.6	-18.48	-5,525.4	921.2	2,081.4	1,969.1	112.22	18.547		
16,300.0	10,609.0	14,336.9	8,634.0	100.4	100.1	-18.48	-5,625.4	922.0	2,081.4	1,967.4	113.95	18.265		
16,400.0	10,609.0	14,436.9	8,634.0	101.9	101.7	-18.48	-5,725.4	922.9	2,081.4	1,965.7	115.69	17.991		
16,500.0	10,609.0	14,536.9	8,634.0	103.5	103.3	-18.48	-5,825.4	923.7	2,081.4	1,963.9	117.43	17.725		
16,600.0	10,609.0	14,636.9	8,634.0	105.0	104.8	-18.48	-5,925.4	924.5	2,081.4	1,962.2	119.17	17.466		
16,700.0	10,609.0	14,736.9	8,634.0	106.6	106.4	-18.48	-6,025.4	925.3	2,081.4	1,960.4	120.91	17.214		
16,800.0	10,609.0	14,836.9	8,634.0	108.1	108.0	-18.48	-6,125.4	926.2	2,081.4	1,958.7	122.65	16.969		
16,900.0	10,609.0	14,936.9	8,634.0	109.7	109.5	-18.48	-6,225.4	927.0	2,081.4	1,957.0	124.40	16.731		
17,000.0	10,609.0	15,036.9	8,634.0	111.2	111.1	-18.48	-6,325.4	927.8	2,081.4	1,955.2	126.15	16.499		
17,100.0	10,609.0	15,136.9	8,634.0	112.8	112.7	-18.48	-6,425.3	928.6	2,081.4	1,953.5	127.90	16.273		
17,200.0	10,609.0	15,236.9	8,634.0	114.3	114.3	-18.48	-6,525.3	929.5	2,081.4	1,951.7	129.66	16.053		
17,300.0	10,609.0	15,336.9	8,634.0	115.9	115.8	-18.48	-6,625.3	930.3	2,081.4	1,949.9	131.41	15.839		
17,400.0	10,609.0	15,436.9	8,634.0	117.5	117.4	-18.48	-6,725.3	931.1	2,081.4	1,948.2	133.17	15.630		
17,500.0	10,609.0	15,536.9	8,634.0	119.0	119.0	-18.48	-6,825.3	931.9	2,081.4	1,946.4	134.93	15.426		
17,600.0	10,609.0	15,636.9	8,634.0	120.6	120.6	-18.48	-6,925.3	932.8	2,081.4	1,944.7	136.69	15.227		
17,700.0	10,609.0	15,736.9	8,634.0	122.2	122.2	-18.48	-7,025.3	933.6	2,081.4	1,942.9	138.45	15.033		
17,800.0	10,609.0	15,836.9	8,634.0	123.7	123.8	-18.48	-7,125.3	934.4	2,081.4	1,941.2	140.21	14.844		
17,900.0	10,609.0	15,936.9	8,634.0	125.3	125.4	-18.48	-7,225.3	935.2	2,081.4	1,939.4	141.98	14.660		
18,000.0	10,609.0	16,036.9	8,634.0	126.9	127.0	-18.48	-7,325.3	936.1	2,081.4	1,937.6	143.74	14.480		
18,100.0	10,609.0	16,136.9	8,634.0	128.5	128.5	-18.48	-7,425.3	936.9	2,081.4	1,935.9	145.51	14.304		
18,200.0	10,609.0	16,236.9	8,634.0	130.1	130.1	-18.48	-7,525.3	937.7	2,081.4	1,934.1	147.28	14.132		
18,300.0	10,609.0	16,336.9	8,634.0	131.6	131.7	-18.48	-7,625.3	938.5	2,081.4	1,932.3	149.05	13.964		
18,400.0	10,609.0	16,436.9	8,634.0	133.2	133.3	-18.48	-7,725.3	939.4	2,081.4	1,930.5	150.82	13.800		
18,500.0	10,609.0	16,536.9	8,634.0	134.8	134.9	-18.48	-7,825.3	940.2	2,081.4	1,928.8	152.60	13.640		
18,600.0	10,609.0	16,636.9	8,634.0	136.4	136.5	-18.48	-7,925.3	941.0	2,081.4	1,927.0	154.37	13.483		
18,700.0	10,609.0	16,736.9	8,634.0	138.0	138.1	-18.48	-8,025.3	941.8	2,081.4	1,925.2	156.15	13.330		
18,800.0	10,609.0	16,836.9	8,634.0	139.6	139.7	-18.48	-8,125.3	942.7	2,081.4	1,923.5	157.92	13.180		
18,900.0	10,609.0	16,936.9	8,634.0	141.2	141.4	-18.48	-8,225.3	943.5	2,081.4	1,921.7	159.70	13.033		
19,000.0	10,609.0	17,036.9	8,634.0	142.8	143.0	-18.48	-8,325.3	944.3	2,081.4	1,919.9	161.48	12.890		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #108H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,100.0	10,609.0	17,136.9	8,634.0	144.4	144.6	-18.48	-8,425.3	945.1	2,081.4	1,918.1	163.26	12.749		
19,200.0	10,609.0	17,236.9	8,634.0	146.0	146.2	-18.48	-8,525.3	946.0	2,081.4	1,916.3	165.04	12.612		
19,300.0	10,609.0	17,336.9	8,634.0	147.6	147.8	-18.48	-8,625.3	946.8	2,081.4	1,914.6	166.82	12.477		
19,400.0	10,609.0	17,436.9	8,634.0	149.2	149.4	-18.48	-8,725.3	947.6	2,081.4	1,912.8	168.60	12.345		
19,500.0	10,609.0	17,536.9	8,634.0	150.8	151.0	-18.48	-8,825.3	948.4	2,081.4	1,911.0	170.38	12.216		
19,600.0	10,609.0	17,636.9	8,634.0	152.4	152.6	-18.48	-8,925.3	949.3	2,081.4	1,909.2	172.16	12.089		
19,700.0	10,609.0	17,736.9	8,634.0	154.0	154.2	-18.48	-9,025.3	950.1	2,081.4	1,907.4	173.95	11.965		
19,800.0	10,609.0	17,836.9	8,634.0	155.6	155.8	-18.48	-9,125.3	950.9	2,081.4	1,905.6	175.73	11.844		
19,900.0	10,609.0	17,936.9	8,634.0	157.2	157.4	-18.48	-9,225.3	951.7	2,081.4	1,903.9	177.52	11.725		
20,000.0	10,609.0	18,036.9	8,634.0	158.8	159.1	-18.48	-9,325.2	952.6	2,081.4	1,902.1	179.31	11.608		
20,100.0	10,609.0	18,136.9	8,634.0	160.4	160.7	-18.48	-9,425.2	953.4	2,081.4	1,900.3	181.09	11.493		
20,200.0	10,609.0	18,236.9	8,634.0	162.0	162.3	-18.49	-9,525.2	954.2	2,081.4	1,898.5	182.88	11.381		
20,300.0	10,609.0	18,336.9	8,634.0	163.6	163.9	-18.49	-9,625.2	955.0	2,081.4	1,896.7	184.67	11.271		
20,400.0	10,609.0	18,436.9	8,634.0	165.2	165.5	-18.49	-9,725.2	955.9	2,081.4	1,894.9	186.46	11.163		
20,500.0	10,609.0	18,536.9	8,634.0	166.8	167.1	-18.49	-9,825.2	956.7	2,081.4	1,893.1	188.25	11.057		
20,600.0	10,609.0	18,636.9	8,634.0	168.4	168.8	-18.49	-9,925.2	957.5	2,081.4	1,891.4	190.04	10.952		
20,700.0	10,609.0	18,736.9	8,634.0	170.0	170.4	-18.49	-10,025.2	958.3	2,081.4	1,889.6	191.83	10.850		
20,800.0	10,609.0	18,836.9	8,634.0	171.7	172.0	-18.49	-10,125.2	959.2	2,081.4	1,887.8	193.62	10.750		
20,900.0	10,609.0	18,936.9	8,634.0	173.3	173.6	-18.49	-10,225.2	960.0	2,081.4	1,886.0	195.41	10.651		
21,000.0	10,609.0	19,036.9	8,634.0	174.9	175.2	-18.49	-10,325.2	960.8	2,081.4	1,884.2	197.21	10.554		
21,100.0	10,609.0	19,136.9	8,634.0	176.5	176.9	-18.49	-10,425.2	961.6	2,081.4	1,882.4	199.00	10.459		
21,200.0	10,609.0	19,236.9	8,634.0	178.1	178.5	-18.49	-10,525.2	962.5	2,081.4	1,880.6	200.79	10.366		
21,300.0	10,609.0	19,336.9	8,634.0	179.7	180.1	-18.49	-10,625.2	963.3	2,081.4	1,878.8	202.59	10.274		
21,400.0	10,609.0	19,436.9	8,634.0	181.3	181.7	-18.49	-10,725.2	964.1	2,081.4	1,877.0	204.38	10.184		
21,500.0	10,609.0	19,536.9	8,634.0	183.0	183.4	-18.49	-10,825.2	964.9	2,081.4	1,875.2	206.18	10.095		
21,600.0	10,609.0	19,636.9	8,634.0	184.6	185.0	-18.49	-10,925.2	965.8	2,081.4	1,873.4	207.97	10.008		
21,700.0	10,609.0	19,736.9	8,634.0	186.2	186.6	-18.49	-11,025.2	966.6	2,081.4	1,871.6	209.77	9.922		
21,800.0	10,609.0	19,836.9	8,634.0	187.8	188.2	-18.49	-11,125.2	967.4	2,081.4	1,869.8	211.57	9.838		
21,900.0	10,609.0	19,936.9	8,634.0	189.4	189.9	-18.49	-11,225.2	968.2	2,081.4	1,868.0	213.36	9.755		
22,000.0	10,609.0	20,036.9	8,634.0	191.1	191.5	-18.49	-11,325.2	969.1	2,081.4	1,866.2	215.16	9.674		
22,100.0	10,609.0	20,136.9	8,634.0	192.7	193.1	-18.49	-11,425.2	969.9	2,081.4	1,864.4	216.96	9.594		
22,200.0	10,609.0	20,236.9	8,634.0	194.3	194.7	-18.49	-11,525.2	970.7	2,081.4	1,862.6	218.76	9.515		
22,300.0	10,609.0	20,336.9	8,634.0	195.9	196.4	-18.49	-11,625.2	971.5	2,081.4	1,860.8	220.55	9.437		
22,400.0	10,609.0	20,436.9	8,634.0	197.5	198.0	-18.49	-11,725.2	972.4	2,081.4	1,859.1	222.35	9.361		
22,500.0	10,609.0	20,536.9	8,634.0	199.2	199.6	-18.49	-11,825.2	973.2	2,081.4	1,857.3	224.15	9.286		
22,600.0	10,609.0	20,636.9	8,634.0	200.8	201.3	-18.49	-11,925.2	974.0	2,081.4	1,855.5	225.95	9.212		
22,700.0	10,609.0	20,736.9	8,634.0	202.4	202.9	-18.49	-12,025.2	974.8	2,081.4	1,853.7	227.75	9.139		
22,800.0	10,609.0	20,836.9	8,634.0	204.0	204.5	-18.49	-12,125.2	975.7	2,081.4	1,851.9	229.55	9.067		
22,900.0	10,609.0	20,936.9	8,634.0	205.7	206.1	-18.49	-12,225.2	976.5	2,081.4	1,850.1	231.35	8.997		
23,000.0	10,609.0	21,036.9	8,634.0	207.3	207.8	-18.49	-12,325.1	977.3	2,081.4	1,848.3	233.16	8.927		
23,100.0	10,609.0	21,136.9	8,634.0	208.9	209.4	-18.49	-12,425.1	978.1	2,081.4	1,846.5	234.96	8.859		
23,112.4	10,609.0	21,149.3	8,634.0	209.1	209.6	-18.49	-12,437.6	978.2	2,081.4	1,846.2	235.18	8.850		
23,112.9	10,609.0	21,149.7	8,634.0	209.1	209.6	-18.49	-12,438.0	978.3	2,081.4	1,846.2	235.19	8.850		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #114H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	2.0	-2.0	0.0	0.0	-45.57	29.7	-30.3	42.4					
100.0	100.0	102.0	98.0	0.1	0.1	-45.57	29.7	-30.3	42.4	42.1	0.26	160.903		
200.0	200.0	202.0	198.0	0.5	0.5	-45.57	29.7	-30.3	42.4	41.4	0.98	43.241		
300.0	300.0	302.0	298.0	0.8	0.9	-45.57	29.7	-30.3	42.4	40.7	1.70	24.977		
400.0	400.0	402.0	398.0	1.2	1.2	-45.57	29.7	-30.3	42.4	40.0	2.41	17.560		
500.0	500.0	502.0	498.0	1.6	1.6	-45.57	29.7	-30.3	42.4	39.3	3.13	13.539		
600.0	600.0	602.0	598.0	1.9	1.9	-45.57	29.7	-30.3	42.4	38.5	3.85	11.017		
700.0	700.0	702.0	698.0	2.3	2.3	-45.57	29.7	-30.3	42.4	37.8	4.57	9.287		
800.0	800.0	802.0	798.0	2.6	2.6	-45.57	29.7	-30.3	42.4	37.1	5.28	8.026		
900.0	900.0	902.0	898.0	3.0	3.0	-45.57	29.7	-30.3	42.4	36.4	6.00	7.067		
1,000.0	1,000.0	1,002.0	998.0	3.4	3.4	-45.57	29.7	-30.3	42.4	35.7	6.72	6.312		
1,100.0	1,100.0	1,102.0	1,098.0	3.7	3.7	-45.57	29.7	-30.3	42.4	35.0	7.43	5.704		
1,200.0	1,200.0	1,202.0	1,198.0	4.1	4.1	-45.57	29.7	-30.3	42.4	34.2	8.15	5.202		
1,300.0	1,300.0	1,302.0	1,298.0	4.4	4.4	-45.57	29.7	-30.3	42.4	33.5	8.87	4.781		
1,400.0	1,400.0	1,402.0	1,398.0	4.8	4.8	-45.57	29.7	-30.3	42.4	32.8	9.58	4.424		
1,500.0	1,500.0	1,498.0	1,498.0	5.1	5.1	-45.57	29.7	-30.3	42.4	32.1	10.29	4.121 CC		
1,600.0	1,600.0	1,597.7	1,597.7	5.5	5.5	-44.58	30.5	-30.0	42.8	31.8	11.00	3.889 ES		
1,700.0	1,700.0	1,697.3	1,697.2	5.9	5.9	-41.63	32.9	-29.3	44.0	32.3	11.71	3.760		
1,800.0	1,800.0	1,796.7	1,796.6	6.2	6.2	-37.09	37.0	-28.0	46.4	34.0	12.43	3.735 SF		
1,900.0	1,900.0	1,896.0	1,895.7	6.6	6.6	-31.49	42.7	-26.2	50.2	37.0	13.13	3.819		
2,000.0	2,000.0	1,995.1	1,994.5	6.9	6.9	-25.49	50.1	-23.9	55.6	41.7	13.84	4.017		
2,100.0	2,100.0	2,093.9	2,092.8	7.3	7.3	-19.65	59.0	-21.1	62.9	48.3	14.53	4.326		
2,200.0	2,200.0	2,192.3	2,190.6	7.7	7.6	-14.33	69.5	-17.8	72.1	56.9	15.22	4.739		
2,300.0	2,300.0	2,309.8	2,287.7	8.0	8.1	-9.73	81.6	-14.0	83.4	67.4	15.97	5.222		
2,400.0	2,400.0	2,389.2	2,385.7	8.4	8.4	-5.94	94.7	-9.9	96.0	79.4	16.61	5.782		
2,500.0	2,500.0	2,488.2	2,483.8	8.7	8.7	-3.04	107.9	-5.7	109.0	91.6	17.32	6.292		
2,600.0	2,600.0	2,587.3	2,581.9	9.1	9.1	-63.53	121.0	-1.6	121.7	103.7	18.02	6.753		
2,700.0	2,700.0	2,686.6	2,680.2	9.4	9.5	-62.53	134.2	2.5	133.8	115.0	18.73	7.142		
2,800.0	2,799.9	2,785.9	2,778.6	9.8	9.9	-62.31	147.4	6.7	145.1	125.6	19.44	7.461		
2,900.0	2,899.7	2,885.4	2,877.1	10.1	10.3	-62.68	160.6	10.8	155.5	135.4	20.16	7.716		
3,000.0	2,999.4	2,984.9	2,975.6	10.5	10.7	-63.53	173.8	15.0	165.3	144.4	20.88	7.914		
3,100.0	3,098.9	3,084.4	3,074.1	10.8	11.1	-64.81	187.0	19.1	174.3	152.6	21.61	8.065		
3,200.0	3,198.3	3,183.9	3,172.7	11.2	11.5	-66.46	200.2	23.3	182.7	160.3	22.34	8.175		
3,300.0	3,297.4	3,285.9	3,273.8	11.6	11.9	-68.56	213.4	27.4	190.2	167.1	23.12	8.225		
3,400.0	3,396.4	3,390.2	3,377.4	11.9	12.3	-71.17	224.4	30.9	195.5	171.5	23.93	8.169		
3,500.0	3,495.5	3,494.5	3,481.3	12.3	12.7	-74.03	232.7	33.5	198.7	174.0	24.72	8.039		
3,600.0	3,594.5	3,598.6	3,585.3	12.7	13.0	-77.21	238.3	35.2	200.1	174.6	25.50	7.848		
3,700.0	3,693.5	3,702.3	3,689.0	13.1	13.4	-80.80	241.2	36.1	199.9	173.6	26.26	7.610		
3,800.0	3,792.5	3,803.9	3,790.5	13.4	13.8	-84.75	241.6	36.3	198.5	171.4	27.02	7.346		
3,900.0	3,891.6	3,902.9	3,889.6	13.8	14.1	-88.73	241.6	36.3	197.7	169.9	27.77	7.118		
3,931.7	3,923.0	3,934.4	3,921.0	14.0	14.2	-90.00	241.6	36.3	197.6	169.6	28.01	7.055		
4,000.0	3,990.6	4,002.0	3,988.6	14.2	14.4	-92.73	241.6	36.3	197.8	169.3	28.52	6.936		
4,100.0	4,089.6	4,101.0	4,087.6	14.6	14.8	-96.69	241.6	36.3	199.0	169.7	29.27	6.798		
4,200.0	4,188.6	4,200.0	4,186.6	15.0	15.1	-100.60	241.6	36.3	201.1	171.1	30.02	6.700		
4,300.0	4,287.7	4,301.0	4,285.7	15.4	15.5	-104.40	241.6	36.3	204.2	173.4	30.77	6.636		
4,400.0	4,386.7	4,401.9	4,384.7	15.8	15.8	-108.09	241.6	36.3	208.1	176.6	31.51	6.604		
4,500.0	4,485.7	4,502.9	4,483.7	16.2	16.2	-111.62	241.6	36.3	212.9	180.6	32.25	6.601		
4,600.0	4,584.8	4,603.9	4,582.8	16.6	16.5	-114.99	241.6	36.3	218.4	185.4	32.98	6.623		
4,700.0	4,683.8	4,704.9	4,681.8	17.0	16.9	-118.18	241.6	36.3	224.7	191.0	33.71	6.666		
4,800.0	4,782.8	4,805.8	4,780.8	17.3	17.3	-121.20	241.6	36.3	231.6	197.2	34.43	6.728		
4,900.0	4,881.8	4,906.8	4,879.8	17.7	17.6	-124.03	241.6	36.3	239.2	204.0	35.15	6.805		
5,000.0	4,980.9	5,007.8	4,978.9	18.1	18.0	-126.69	241.6	36.3	247.3	211.4	35.87	6.895		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #114H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,079.9	5,108.8	5,077.9	18.5	18.3	-129.17	241.6	36.3	255.9	219.3	36.58	6.995		
5,200.0	5,178.9	5,209.7	5,176.9	18.9	18.7	-131.49	241.6	36.3	265.0	227.7	37.30	7.105		
5,300.0	5,277.9	5,289.3	5,275.9	19.3	19.0	-133.66	241.6	36.3	274.4	236.5	37.93	7.235		
5,400.0	5,377.0	5,388.3	5,375.0	19.7	19.3	-135.68	241.6	36.3	284.3	245.6	38.64	7.358		
5,500.0	5,476.0	5,487.4	5,474.0	20.1	19.6	-137.56	241.6	36.3	294.4	255.1	39.34	7.484		
5,600.0	5,575.0	5,586.4	5,573.0	20.6	20.0	-139.32	241.6	36.3	304.9	264.9	40.04	7.614		
5,700.0	5,674.0	5,685.4	5,672.0	21.0	20.3	-140.96	241.6	36.3	315.6	274.9	40.74	7.746		
5,800.0	5,773.1	5,784.4	5,771.1	21.4	20.7	-142.49	241.6	36.3	326.6	285.1	41.45	7.879		
5,900.0	5,872.1	5,883.5	5,870.1	21.8	21.0	-143.93	241.6	36.3	337.8	295.6	42.15	8.013		
6,000.0	5,971.1	5,982.5	5,969.1	22.2	21.4	-145.27	241.6	36.3	349.2	306.3	42.85	8.147		
6,100.0	6,070.2	6,081.5	6,068.2	22.6	21.7	-146.52	241.6	36.3	360.7	317.2	43.56	8.281		
6,200.0	6,169.2	6,180.5	6,167.2	23.0	22.1	-147.70	241.6	36.3	372.4	328.2	44.26	8.414		
6,300.0	6,268.2	6,279.6	6,266.2	23.4	22.4	-148.81	241.6	36.3	384.3	339.3	44.97	8.546		
6,400.0	6,367.2	6,378.6	6,365.2	23.8	22.8	-149.85	241.6	36.3	396.3	350.6	45.67	8.677		
6,425.1	6,392.0	6,403.4	6,390.0	23.9	22.9	-150.10	241.6	36.3	399.3	353.5	45.85	8.709		
6,500.0	6,466.4	6,477.7	6,464.4	24.2	23.1	-150.84	241.6	36.3	407.8	361.4	46.38	8.792		
6,600.0	6,565.8	6,577.1	6,563.8	24.6	23.5	-151.62	241.6	36.3	417.2	370.1	47.09	8.859		
6,700.0	6,665.5	6,676.8	6,663.5	25.0	23.9	-152.19	241.6	36.3	424.3	376.5	47.79	8.877		
6,800.0	6,765.3	6,776.7	6,763.3	25.3	24.2	-152.56	241.6	36.3	429.1	380.6	48.50	8.847		
6,900.0	6,865.3	6,876.6	6,863.3	25.7	24.6	-152.75	241.6	36.3	431.6	382.4	49.21	8.772		
6,958.4	6,923.6	6,935.0	6,921.6	25.9	24.8	-90.26	241.6	36.3	432.0	382.4	49.62	8.707		
7,000.0	6,965.3	6,976.6	6,963.3	26.0	24.9	-90.26	241.6	36.3	432.0	382.1	49.91	8.656		
7,100.0	7,065.3	7,076.6	7,063.3	26.4	25.3	-90.26	241.6	36.3	432.0	381.4	50.61	8.536		
7,200.0	7,165.3	7,176.6	7,163.3	26.7	25.6	-90.26	241.6	36.3	432.0	380.7	51.31	8.420		
7,300.0	7,265.3	7,276.6	7,263.3	27.0	26.0	-90.26	241.6	36.3	432.0	380.0	52.01	8.306		
7,400.0	7,365.3	7,376.6	7,363.3	27.4	26.3	-90.26	241.6	36.3	432.0	379.3	52.72	8.195		
7,500.0	7,465.3	7,476.6	7,463.3	27.7	26.7	-90.26	241.6	36.3	432.0	378.6	53.42	8.087		
7,600.0	7,565.3	7,576.6	7,563.3	28.1	27.0	-90.26	241.6	36.3	432.0	377.9	54.12	7.982		
7,700.0	7,665.3	7,676.6	7,663.3	28.4	27.4	-90.26	241.6	36.3	432.0	377.2	54.83	7.880		
7,800.0	7,765.3	7,776.6	7,763.3	28.7	27.8	-90.26	241.6	36.3	432.0	376.5	55.53	7.780		
7,900.0	7,865.3	7,876.6	7,863.3	29.1	28.1	-90.26	241.6	36.3	432.0	375.8	56.23	7.683		
8,000.0	7,965.3	7,976.6	7,963.3	29.4	28.5	-90.26	241.6	36.3	432.0	375.1	56.94	7.587		
8,100.0	8,065.3	8,076.6	8,063.3	29.8	28.8	-90.26	241.6	36.3	432.0	374.4	57.64	7.495		
8,200.0	8,165.3	8,176.6	8,163.3	30.1	29.2	-90.26	241.6	36.3	432.0	373.7	58.35	7.404		
8,300.0	8,265.3	8,276.6	8,263.3	30.4	29.5	-90.26	241.6	36.3	432.0	373.0	59.06	7.316		
8,400.0	8,365.3	8,376.6	8,363.3	30.8	29.9	-90.26	241.6	36.3	432.0	372.3	59.76	7.229		
8,500.0	8,465.3	8,476.6	8,463.3	31.1	30.2	-90.26	241.6	36.3	432.0	371.6	60.47	7.145		
8,600.0	8,565.3	8,588.7	8,575.0	31.5	30.6	-90.98	236.3	37.4	431.1	369.9	61.20	7.044		
8,700.0	8,665.3	8,700.4	8,683.5	31.8	30.9	-94.41	210.8	43.0	427.0	365.2	61.82	6.908		
8,800.0	8,765.3	8,799.0	8,773.5	32.2	31.2	-99.80	171.6	51.5	423.1	360.7	62.36	6.784		
8,841.2	8,806.4	8,835.0	8,804.4	32.3	31.3	-102.30	153.6	55.5	422.5	360.0	62.54	6.756		
8,900.0	8,865.3	8,881.9	8,842.9	32.5	31.4	-105.93	127.4	61.2	423.9	361.2	62.67	6.763		
9,000.0	8,965.3	8,950.0	8,944.4	32.8	31.5	-111.86	84.1	70.6	434.0	371.7	62.28	6.968		
9,100.0	9,065.3	9,005.3	8,932.3	33.2	31.6	-117.08	44.7	79.2	456.2	395.4	60.82	7.501		
9,200.0	9,165.3	9,050.0	8,959.9	33.5	31.7	-121.44	10.4	86.7	491.3	433.0	58.31	8.425		
9,300.0	9,265.3	9,087.5	8,980.9	33.9	31.8	-125.11	-20.0	93.3	538.3	483.2	55.20	9.753		
9,400.0	9,365.3	9,118.3	8,996.6	34.2	31.9	-128.09	-45.9	98.9	595.5	543.7	51.87	11.481		
9,500.0	9,465.3	9,150.0	9,011.2	34.6	32.0	-131.10	-73.3	104.9	660.9	612.0	48.90	13.515		
9,600.0	9,565.3	9,165.9	9,018.0	34.9	32.0	-132.58	-87.4	108.0	732.6	686.8	45.76	16.008		
9,700.0	9,665.3	9,184.6	9,025.4	35.3	32.1	-134.28	-104.2	111.7	809.3	766.1	43.22	18.724		
9,800.0	9,765.3	9,200.0	9,031.1	35.6	32.1	-135.66	-118.1	114.7	889.9	848.9	41.02	21.695		
9,900.0	9,865.3	9,214.8	9,036.3	36.0	32.2	-136.95	-131.8	117.7	973.5	934.3	39.20	24.833		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #114H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,000.0	9,965.3	9,227.2	9,040.2	36.3	32.2	-138.01	-143.2	120.2	1,059.6	1,021.9	37.66	28.139		
10,070.7	10,036.0	9,235.1	9,042.6	36.5	32.3	-138.68	-150.5	121.8	1,121.7	1,085.0	36.72	30.547		
10,100.0	10,065.2	9,250.0	9,046.9	36.6	32.3	23.06	-164.5	124.8	1,147.5	1,110.8	36.67	31.294		
10,150.0	10,115.0	9,250.0	9,046.9	36.8	32.3	20.12	-164.5	124.8	1,189.9	1,154.0	35.82	33.221		
10,200.0	10,164.2	9,250.0	9,046.9	36.9	32.3	17.83	-164.5	124.8	1,230.6	1,195.7	34.93	35.232		
10,250.0	10,212.3	9,250.0	9,046.9	37.1	32.3	16.01	-164.5	124.8	1,269.6	1,235.6	34.02	37.321		
10,300.0	10,259.2	9,268.3	9,051.7	37.2	32.4	13.86	-181.7	128.6	1,306.3	1,272.8	33.51	38.979		
10,350.0	10,304.3	9,277.4	9,053.8	37.3	32.4	12.45	-190.4	130.5	1,340.9	1,308.2	32.77	40.926		
10,400.0	10,347.4	9,300.0	9,058.6	37.4	32.5	10.90	-212.0	135.2	1,373.4	1,341.1	32.29	42.540		
10,450.0	10,388.2	9,300.0	9,058.6	37.4	32.5	10.22	-212.0	135.2	1,403.0	1,371.7	31.33	44.788		
10,500.0	10,426.2	9,300.0	9,058.6	37.5	32.5	9.66	-212.0	135.2	1,430.3	1,399.9	30.40	47.042		
10,550.0	10,461.3	9,318.3	9,061.7	37.6	32.5	8.77	-229.6	139.0	1,454.8	1,424.9	29.84	48.759		
10,600.0	10,493.1	9,329.3	9,063.4	37.6	32.6	8.17	-240.2	141.3	1,476.6	1,447.4	29.17	50.623		
10,650.0	10,521.5	9,350.0	9,065.9	37.6	32.6	7.46	-260.3	145.7	1,495.6	1,467.0	28.68	52.154		
10,700.0	10,546.2	9,350.0	9,065.9	37.7	32.6	7.24	-260.3	145.7	1,511.6	1,483.6	27.96	54.062		
10,750.0	10,567.0	9,350.0	9,065.9	37.7	32.6	7.07	-260.3	145.7	1,524.9	1,497.6	27.36	55.735		
10,800.0	10,583.7	9,375.6	9,068.0	37.7	32.7	6.47	-285.3	151.1	1,534.9	1,507.8	27.09	56.660		
10,850.0	10,596.3	9,400.0	9,068.9	37.7	32.8	5.96	-309.0	156.3	1,542.1	1,515.3	26.86	57.420		
10,900.0	10,604.6	9,400.0	9,068.9	37.7	32.8	5.92	-309.0	156.3	1,546.0	1,519.5	26.56	58.206		
10,950.0	10,608.6	9,417.2	9,069.0	37.8	32.9	5.62	-325.8	160.0	1,547.0	1,520.5	26.47	58.445		
10,970.7	10,609.0	9,434.7	9,069.0	37.9	33.0	5.33	-342.9	163.6	1,546.4	1,519.9	26.49	58.385		
11,000.0	10,609.0	9,459.6	9,069.0	37.9	33.1	4.95	-367.4	168.6	1,545.1	1,518.6	26.52	58.254		
11,100.0	10,609.0	9,547.2	9,069.0	38.2	33.5	3.72	-453.5	184.4	1,541.8	1,514.9	26.81	57.505		
11,200.0	10,609.0	9,638.4	9,069.0	38.6	33.9	2.60	-543.6	198.1	1,539.8	1,512.4	27.31	56.381		
11,300.0	10,609.0	9,732.5	9,069.0	39.0	34.5	1.65	-637.1	209.2	1,538.7	1,510.7	27.97	55.007		
11,400.0	10,609.0	9,829.0	9,069.0	39.5	35.1	0.90	-733.3	217.4	1,538.2	1,509.4	28.75	53.498		
11,500.0	10,609.0	9,927.4	9,069.0	40.1	35.8	0.38	-831.5	222.4	1,538.0	1,508.4	29.61	51.939		
11,600.0	10,609.0	10,026.9	9,069.0	40.7	36.5	0.10	-931.0	224.2	1,538.0	1,507.5	30.52	50.388		
11,681.1	10,609.0	10,107.9	9,069.0	41.2	37.1	0.00	-1,012.0	224.9	1,538.0	1,506.7	31.29	49.149		
11,700.0	10,609.0	10,126.9	9,069.0	41.3	37.3	-0.01	-1,031.0	225.0	1,538.0	1,506.5	31.48	48.864		
11,739.3	10,609.0	10,166.2	9,069.0	41.6	37.6	-0.02	-1,070.3	225.3	1,538.0	1,506.1	31.86	48.274		
11,800.0	10,609.0	10,226.9	9,069.0	42.0	38.1	-0.02	-1,131.0	225.8	1,538.0	1,505.5	32.47	47.373		
11,900.0	10,609.0	10,326.9	9,069.0	42.8	39.0	-0.02	-1,231.0	226.6	1,538.0	1,504.5	33.50	45.912		
12,000.0	10,609.0	10,426.9	9,069.0	43.6	40.0	-0.02	-1,331.0	227.5	1,538.0	1,503.4	34.57	44.487		
12,100.0	10,609.0	10,526.9	9,069.0	44.5	41.0	-0.02	-1,431.0	228.3	1,538.0	1,502.3	35.68	43.104		
12,200.0	10,609.0	10,626.9	9,069.0	45.4	42.0	-0.02	-1,531.0	229.1	1,538.0	1,501.2	36.82	41.766		
12,300.0	10,609.0	10,726.9	9,069.0	46.3	43.1	-0.02	-1,631.0	229.9	1,538.0	1,500.0	38.00	40.477		
12,400.0	10,609.0	10,826.9	9,069.0	47.3	44.2	-0.02	-1,730.9	230.7	1,538.0	1,498.8	39.20	39.237		
12,500.0	10,609.0	10,926.9	9,069.0	48.3	45.3	-0.02	-1,830.9	231.5	1,538.0	1,497.6	40.42	38.048		
12,600.0	10,609.0	11,026.9	9,069.0	49.4	46.5	-0.02	-1,930.9	232.4	1,538.0	1,496.3	41.67	36.908		
12,700.0	10,609.0	11,126.9	9,069.0	50.4	47.7	-0.02	-2,030.9	233.2	1,538.0	1,495.1	42.94	35.818		
12,800.0	10,609.0	11,226.9	9,069.0	51.6	48.9	-0.02	-2,130.9	234.0	1,538.0	1,493.8	44.23	34.775		
12,900.0	10,609.0	11,326.9	9,069.0	52.7	50.2	-0.02	-2,230.9	234.8	1,538.0	1,492.5	45.53	33.778		
13,000.0	10,609.0	11,426.9	9,069.0	53.9	51.4	-0.02	-2,330.9	235.6	1,538.0	1,491.1	46.85	32.825		
13,100.0	10,609.0	11,526.9	9,069.0	55.1	52.7	-0.02	-2,430.9	236.5	1,538.0	1,489.8	48.19	31.915		
13,200.0	10,609.0	11,626.9	9,069.0	56.3	54.0	-0.02	-2,530.9	237.3	1,538.0	1,488.5	49.54	31.046		
13,300.0	10,609.0	11,726.9	9,069.0	57.5	55.4	-0.02	-2,630.9	238.1	1,538.0	1,487.1	50.90	30.215		
13,400.0	10,609.0	11,826.9	9,069.0	58.8	56.7	-0.02	-2,730.9	238.9	1,538.0	1,485.7	52.28	29.421		
13,500.0	10,609.0	11,926.9	9,069.0	60.1	58.1	-0.02	-2,830.9	239.7	1,538.0	1,484.3	53.66	28.662		
13,600.0	10,609.0	12,026.9	9,069.0	61.4	59.4	-0.02	-2,930.9	240.5	1,538.0	1,482.9	55.05	27.937		
13,700.0	10,609.0	12,126.9	9,069.0	62.7	60.8	-0.02	-3,030.9	241.4	1,538.0	1,481.5	56.46	27.242		
13,800.0	10,609.0	12,226.9	9,069.0	64.0	62.2	-0.02	-3,130.9	242.2	1,538.0	1,480.1	57.87	26.578		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #114H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
13,900.0	10,609.0	12,326.9	9,069.0	65.4	63.7	-0.02	-3,230.9	243.0	1,538.0	1,478.7	59.29	25.941		
14,000.0	10,609.0	12,426.9	9,069.0	66.7	65.1	-0.02	-3,330.9	243.8	1,538.0	1,477.3	60.71	25.332		
14,100.0	10,609.0	12,526.9	9,069.0	68.1	66.5	-0.02	-3,430.9	244.6	1,538.0	1,475.9	62.15	24.748		
14,200.0	10,609.0	12,626.9	9,069.0	69.5	68.0	-0.02	-3,530.9	245.4	1,538.0	1,474.4	63.59	24.187		
14,300.0	10,609.0	12,726.9	9,069.0	70.9	69.4	-0.02	-3,630.9	246.3	1,538.0	1,473.0	65.03	23.649		
14,400.0	10,609.0	12,826.9	9,069.0	72.3	70.9	-0.02	-3,730.9	247.1	1,538.0	1,471.5	66.48	23.133		
14,500.0	10,609.0	12,926.9	9,069.0	73.7	72.4	-0.02	-3,830.9	247.9	1,538.0	1,470.1	67.94	22.637		
14,600.0	10,609.0	13,026.9	9,069.0	75.1	73.9	-0.02	-3,930.9	248.7	1,538.0	1,468.6	69.40	22.161		
14,700.0	10,609.0	13,126.9	9,069.0	76.5	75.3	-0.02	-4,030.9	249.5	1,538.0	1,467.1	70.87	21.702		
14,800.0	10,609.0	13,226.9	9,069.0	78.0	76.8	-0.02	-4,130.9	250.3	1,538.0	1,465.7	72.34	21.261		
14,900.0	10,609.0	13,326.9	9,069.0	79.4	78.3	-0.02	-4,230.9	251.2	1,538.0	1,464.2	73.81	20.836		
15,000.0	10,609.0	13,426.9	9,069.0	80.9	79.8	-0.02	-4,330.9	252.0	1,538.0	1,462.7	75.29	20.427		
15,100.0	10,609.0	13,526.9	9,069.0	82.4	81.4	-0.02	-4,430.9	252.8	1,538.0	1,461.2	76.77	20.033		
15,200.0	10,609.0	13,626.9	9,069.0	83.8	82.9	-0.02	-4,530.9	253.6	1,538.0	1,459.7	78.26	19.653		
15,300.0	10,609.0	13,726.9	9,069.0	85.3	84.4	-0.02	-4,630.8	254.4	1,538.0	1,458.3	79.75	19.286		
15,400.0	10,609.0	13,826.9	9,069.0	86.8	85.9	-0.02	-4,730.8	255.2	1,538.0	1,456.8	81.24	18.932		
15,500.0	10,609.0	13,926.9	9,069.0	88.3	87.5	-0.02	-4,830.8	256.1	1,538.0	1,455.3	82.73	18.590		
15,600.0	10,609.0	14,026.9	9,069.0	89.8	89.0	-0.01	-4,930.8	256.9	1,538.0	1,453.8	84.23	18.260		
15,700.0	10,609.0	14,126.9	9,069.0	91.3	90.5	-0.01	-5,030.8	257.7	1,538.0	1,452.3	85.73	17.940		
15,800.0	10,609.0	14,226.9	9,069.0	92.8	92.1	-0.01	-5,130.8	258.5	1,538.0	1,450.8	87.23	17.631		
15,900.0	10,609.0	14,326.9	9,069.0	94.3	93.6	-0.01	-5,230.8	259.3	1,538.0	1,449.3	88.74	17.332		
16,000.0	10,609.0	14,426.9	9,069.0	95.8	95.2	-0.01	-5,330.8	260.1	1,538.0	1,447.8	90.24	17.043		
16,100.0	10,609.0	14,526.9	9,069.0	97.4	96.7	-0.01	-5,430.8	261.0	1,538.0	1,446.2	91.75	16.763		
16,200.0	10,609.0	14,626.9	9,069.0	98.9	98.3	-0.01	-5,530.8	261.8	1,538.0	1,444.7	93.26	16.491		
16,300.0	10,609.0	14,726.9	9,069.0	100.4	99.9	-0.01	-5,630.8	262.6	1,538.0	1,443.2	94.77	16.228		
16,400.0	10,609.0	14,826.9	9,069.0	101.9	101.4	-0.01	-5,730.8	263.4	1,538.0	1,441.7	96.29	15.973		
16,500.0	10,609.0	14,926.9	9,069.0	103.5	103.0	-0.01	-5,830.8	264.2	1,538.0	1,440.2	97.80	15.725		
16,600.0	10,609.0	15,026.9	9,069.0	105.0	104.6	-0.01	-5,930.8	265.1	1,538.0	1,438.7	99.32	15.485		
16,700.0	10,609.0	15,126.9	9,069.0	106.6	106.1	-0.01	-6,030.8	265.9	1,538.0	1,437.2	100.84	15.252		
16,800.0	10,609.0	15,226.9	9,069.0	108.1	107.7	-0.01	-6,130.8	266.7	1,538.0	1,435.6	102.36	15.025		
16,900.0	10,609.0	15,326.9	9,069.0	109.7	109.3	-0.01	-6,230.8	267.5	1,538.0	1,434.1	103.88	14.805		
17,000.0	10,609.0	15,426.9	9,069.0	111.2	110.9	-0.01	-6,330.8	268.3	1,538.0	1,432.6	105.41	14.591		
17,100.0	10,609.0	15,526.9	9,069.0	112.8	112.4	-0.01	-6,430.8	269.1	1,538.0	1,431.1	106.93	14.383		
17,200.0	10,609.0	15,626.9	9,069.0	114.3	114.0	-0.01	-6,530.8	270.0	1,538.0	1,429.5	108.46	14.180		
17,300.0	10,609.0	15,726.9	9,069.0	115.9	115.6	-0.01	-6,630.8	270.8	1,538.0	1,428.0	109.99	13.984		
17,400.0	10,609.0	15,826.9	9,069.0	117.5	117.2	-0.01	-6,730.8	271.6	1,538.0	1,426.5	111.52	13.792		
17,500.0	10,609.0	15,926.9	9,069.0	119.0	118.8	-0.01	-6,830.8	272.4	1,538.0	1,425.0	113.05	13.605		
17,600.0	10,609.0	16,026.9	9,069.0	120.6	120.4	-0.01	-6,930.8	273.2	1,538.0	1,423.4	114.58	13.423		
17,700.0	10,609.0	16,126.9	9,069.0	122.2	122.0	-0.01	-7,030.8	274.0	1,538.0	1,421.9	116.11	13.246		
17,800.0	10,609.0	16,226.9	9,069.0	123.7	123.6	-0.01	-7,130.8	274.9	1,538.0	1,420.4	117.64	13.074		
17,900.0	10,609.0	16,326.9	9,069.0	125.3	125.2	-0.01	-7,230.8	275.7	1,538.0	1,418.8	119.17	12.905		
18,000.0	10,609.0	16,426.9	9,069.0	126.9	126.8	-0.01	-7,330.8	276.5	1,538.0	1,417.3	120.71	12.741		
18,100.0	10,609.0	16,526.9	9,069.0	128.5	128.4	-0.01	-7,430.8	277.3	1,538.0	1,415.8	122.24	12.581		
18,200.0	10,609.0	16,626.9	9,069.0	130.1	130.0	-0.01	-7,530.8	278.1	1,538.0	1,414.2	123.78	12.425		
18,300.0	10,609.0	16,726.9	9,069.0	131.6	131.6	-0.01	-7,630.7	278.9	1,538.0	1,412.7	125.32	12.273		
18,400.0	10,609.0	16,826.9	9,069.0	133.2	133.2	-0.01	-7,730.7	279.8	1,538.0	1,411.1	126.86	12.124		
18,500.0	10,609.0	16,926.9	9,069.0	134.8	134.8	-0.01	-7,830.7	280.6	1,538.0	1,409.6	128.40	11.979		
18,600.0	10,609.0	17,026.9	9,069.0	136.4	136.4	-0.01	-7,930.7	281.4	1,538.0	1,408.1	129.93	11.837		
18,700.0	10,609.0	17,126.9	9,069.0	138.0	138.0	-0.01	-8,030.7	282.2	1,538.0	1,406.5	131.47	11.698		
18,800.0	10,609.0	17,226.9	9,069.0	139.6	139.6	-0.01	-8,130.7	283.0	1,538.0	1,405.0	133.02	11.563		
18,900.0	10,609.0	17,326.9	9,069.0	141.2	141.2	-0.01	-8,230.7	283.8	1,538.0	1,403.4	134.56	11.430		
19,000.0	10,609.0	17,426.9	9,069.0	142.8	142.8	-0.01	-8,330.7	284.7	1,538.0	1,401.9	136.10	11.301		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #114H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
19,100.0	10,609.0	17,526.9	9,069.0	144.4	144.4	-0.01	-8,430.7	285.5	1,538.0	1,400.4	137.64	11.174		
19,200.0	10,609.0	17,626.9	9,069.0	146.0	146.0	-0.01	-8,530.7	286.3	1,538.0	1,398.8	139.19	11.050		
19,300.0	10,609.0	17,726.9	9,069.0	147.6	147.6	-0.01	-8,630.7	287.1	1,538.0	1,397.3	140.73	10.929		
19,400.0	10,609.0	17,826.9	9,069.0	149.2	149.2	-0.01	-8,730.7	287.9	1,538.0	1,395.7	142.27	10.810		
19,500.0	10,609.0	17,926.9	9,069.0	150.8	150.9	-0.01	-8,830.7	288.8	1,538.0	1,394.2	143.82	10.694		
19,600.0	10,609.0	18,026.9	9,069.0	152.4	152.5	-0.01	-8,930.7	289.6	1,538.0	1,392.6	145.37	10.580		
19,700.0	10,609.0	18,126.9	9,069.0	154.0	154.1	-0.01	-9,030.7	290.4	1,538.0	1,391.1	146.91	10.469		
19,800.0	10,609.0	18,226.9	9,069.0	155.6	155.7	-0.01	-9,130.7	291.2	1,538.0	1,389.5	148.46	10.360		
19,900.0	10,609.0	18,326.9	9,069.0	157.2	157.3	-0.01	-9,230.7	292.0	1,538.0	1,388.0	150.00	10.253		
20,000.0	10,609.0	18,426.9	9,069.0	158.8	158.9	-0.01	-9,330.7	292.8	1,538.0	1,386.4	151.55	10.148		
20,100.0	10,609.0	18,526.9	9,069.0	160.4	160.6	-0.01	-9,430.7	293.7	1,538.0	1,384.9	153.10	10.046		
20,200.0	10,609.0	18,626.9	9,069.0	162.0	162.2	-0.01	-9,530.7	294.5	1,538.0	1,383.4	154.65	9.945		
20,300.0	10,609.0	18,726.9	9,069.0	163.6	163.8	-0.01	-9,630.7	295.3	1,538.0	1,381.8	156.20	9.846		
20,400.0	10,609.0	18,826.9	9,069.0	165.2	165.4	-0.01	-9,730.7	296.1	1,538.0	1,380.3	157.75	9.750		
20,500.0	10,609.0	18,926.9	9,069.0	166.8	167.0	-0.01	-9,830.7	296.9	1,538.0	1,378.7	159.30	9.655		
20,600.0	10,609.0	19,026.9	9,069.0	168.4	168.7	-0.01	-9,930.7	297.7	1,538.0	1,377.2	160.85	9.562		
20,700.0	10,609.0	19,126.9	9,069.0	170.0	170.3	0.00	-10,030.7	298.6	1,538.0	1,375.6	162.40	9.471		
20,800.0	10,609.0	19,226.9	9,069.0	171.7	171.9	0.00	-10,130.7	299.4	1,538.0	1,374.1	163.95	9.381		
20,900.0	10,609.0	19,326.9	9,069.0	173.3	173.5	0.00	-10,230.7	300.2	1,538.0	1,372.5	165.50	9.293		
21,000.0	10,609.0	19,426.9	9,069.0	174.9	175.1	0.00	-10,330.7	301.0	1,538.0	1,370.9	167.05	9.207		
21,100.0	10,609.0	19,526.9	9,069.0	176.5	176.8	0.00	-10,430.7	301.8	1,538.0	1,369.4	168.60	9.122		
21,200.0	10,609.0	19,626.9	9,069.0	178.1	178.4	0.00	-10,530.7	302.6	1,538.0	1,367.8	170.15	9.039		
21,300.0	10,609.0	19,726.9	9,069.0	179.7	180.0	0.00	-10,630.6	303.5	1,538.0	1,366.3	171.71	8.957		
21,400.0	10,609.0	19,826.9	9,069.0	181.3	181.6	0.00	-10,730.6	304.3	1,538.0	1,364.7	173.26	8.877		
21,500.0	10,609.0	19,926.9	9,069.0	183.0	183.3	0.00	-10,830.6	305.1	1,538.0	1,363.2	174.81	8.798		
21,600.0	10,609.0	20,026.9	9,069.0	184.6	184.9	0.00	-10,930.6	305.9	1,538.0	1,361.6	176.37	8.720		
21,700.0	10,609.0	20,126.9	9,069.0	186.2	186.5	0.00	-11,030.6	306.7	1,538.0	1,360.1	177.92	8.644		
21,800.0	10,609.0	20,226.9	9,069.0	187.8	188.2	0.00	-11,130.6	307.5	1,538.0	1,358.5	179.47	8.570		
21,900.0	10,609.0	20,326.9	9,069.0	189.4	189.8	0.00	-11,230.6	308.4	1,538.0	1,357.0	181.03	8.496		
22,000.0	10,609.0	20,426.9	9,069.0	191.1	191.4	0.00	-11,330.6	309.2	1,538.0	1,355.4	182.58	8.424		
22,100.0	10,609.0	20,526.9	9,069.0	192.7	193.0	0.00	-11,430.6	310.0	1,538.0	1,353.9	184.14	8.352		
22,200.0	10,609.0	20,626.9	9,069.0	194.3	194.7	0.00	-11,530.6	310.8	1,538.0	1,352.3	185.69	8.283		
22,300.0	10,609.0	20,726.9	9,069.0	195.9	196.3	0.00	-11,630.6	311.6	1,538.0	1,350.8	187.25	8.214		
22,400.0	10,609.0	20,826.9	9,069.0	197.5	197.9	0.00	-11,730.6	312.5	1,538.0	1,349.2	188.80	8.146		
22,500.0	10,609.0	20,926.9	9,069.0	199.2	199.6	0.00	-11,830.6	313.3	1,538.0	1,347.6	190.36	8.080		
22,600.0	10,609.0	21,026.9	9,069.0	200.8	201.2	0.00	-11,930.6	314.1	1,538.0	1,346.1	191.91	8.014		
22,700.0	10,609.0	21,126.9	9,069.0	202.4	202.8	0.00	-12,030.6	314.9	1,538.0	1,344.5	193.47	7.950		
22,800.0	10,609.0	21,226.9	9,069.0	204.0	204.5	0.00	-12,130.6	315.7	1,538.0	1,343.0	195.03	7.886		
22,900.0	10,609.0	21,326.9	9,069.0	205.7	206.1	0.00	-12,230.6	316.5	1,538.0	1,341.4	196.58	7.824		
23,000.0	10,609.0	21,426.9	9,069.0	207.3	207.7	0.00	-12,330.6	317.4	1,538.0	1,339.9	198.14	7.762		
23,100.0	10,609.0	21,526.9	9,069.0	208.9	209.4	0.00	-12,430.6	318.2	1,538.0	1,338.3	199.70	7.702		
23,112.4	10,609.0	21,539.3	9,069.0	209.1	209.6	0.00	-12,443.0	318.3	1,538.0	1,338.1	199.89	7.694		
23,112.9	10,609.0	21,539.7	9,069.0	209.1	209.6	0.00	-12,443.4	318.3	1,538.0	1,338.1	199.90	7.694		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design		Voni - Voni Fed Com #124H - Wellbore #1 - Wellbore #1											Offset Site Error:		0.0 usft
Survey Program:		216-MWD											Offset Well Error:		0.0 usft
Reference		Offset		Semi Major Axis		Distance								Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
							+N/-S (usft)	+E/-W (usft)							
0.0	0.0	0.0	0.0	0.0	0.0	74.40	30.7	109.8	114.0						
100.0	100.0	98.6	98.6	0.1	0.2	74.39	30.7	109.9	114.2	113.9	0.28	404.138			
200.0	200.0	198.3	198.3	0.5	0.3	74.35	30.9	110.4	114.6	113.8	0.80	144.037			
300.0	300.0	298.2	298.2	0.8	0.6	74.25	31.3	111.0	115.3	113.8	1.48	78.135			
400.0	400.0	398.3	398.3	1.2	1.0	74.02	31.9	111.4	115.9	113.7	2.19	52.910			
500.0	500.0	496.2	496.2	1.6	1.3	73.61	33.1	112.6	117.4	114.5	2.90	40.436			
600.0	600.0	594.1	594.0	1.9	1.7	73.00	35.3	115.4	120.7	117.1	3.62	33.378			
700.0	700.0	693.1	692.9	2.3	2.1	72.33	38.0	119.2	125.2	120.9	4.33	28.914			
800.0	800.0	792.1	791.8	2.6	2.4	71.71	40.9	123.7	130.5	125.4	5.04	25.859			
900.0	900.0	891.1	890.6	3.0	2.8	71.19	43.9	128.8	136.3	130.6	5.76	23.672			
1,000.0	1,000.0	990.3	989.6	3.4	3.1	70.76	46.9	134.5	142.7	136.3	6.47	22.059			
1,100.0	1,100.0	1,089.9	1,089.0	3.7	3.5	70.40	50.0	140.4	149.4	142.2	7.19	20.790			
1,200.0	1,200.0	1,188.1	1,186.9	4.1	3.9	70.17	52.9	146.7	156.4	148.5	7.90	19.809			
1,300.0	1,300.0	1,284.7	1,283.1	4.4	4.2	70.35	55.3	154.8	165.1	156.5	8.60	19.207			
1,400.0	1,400.0	1,383.6	1,381.5	4.8	4.6	70.87	57.1	164.7	175.2	165.9	9.31	18.824			
1,500.0	1,500.0	1,484.1	1,481.6	5.1	5.0	71.50	58.4	174.6	184.9	174.9	10.03	18.439			
1,600.0	1,600.0	1,582.5	1,579.4	5.5	5.4	71.99	59.9	184.0	194.5	183.8	10.74	18.119			
1,700.0	1,700.0	1,680.2	1,676.6	5.9	5.7	71.92	63.2	193.7	205.0	193.6	11.44	17.921			
1,800.0	1,800.0	1,780.3	1,776.1	6.2	6.1	71.59	67.8	203.7	215.9	203.7	12.16	17.750			
1,900.0	1,900.0	1,880.9	1,876.2	6.6	6.5	71.35	72.0	213.3	226.2	213.3	12.89	17.553			
2,000.0	2,000.0	1,981.4	1,976.2	6.9	6.9	70.93	76.8	222.1	236.1	222.5	13.61	17.343			
2,100.0	2,100.0	2,082.1	2,076.3	7.3	7.3	70.08	83.3	229.9	245.6	231.2	14.34	17.126			
2,200.0	2,200.0	2,184.5	2,178.3	7.7	7.7	69.07	90.5	236.7	254.3	239.2	15.07	16.867			
2,300.0	2,300.0	2,285.9	2,279.2	8.0	8.1	68.16	97.2	242.4	261.9	246.1	15.80	16.575			
2,400.0	2,400.0	2,382.9	2,376.0	8.4	8.4	67.57	102.6	248.6	270.0	253.5	16.50	16.357			
2,500.0	2,500.0	2,481.5	2,474.1	8.7	8.8	67.36	106.9	256.4	278.9	261.7	17.22	16.200			
2,600.0	2,600.0	2,584.1	2,576.4	9.1	9.2	4.81	110.4	264.3	286.4	268.5	17.95	15.959			
2,700.0	2,700.0	2,686.4	2,678.4	9.4	9.6	4.92	113.1	271.4	291.2	272.6	18.67	15.599			
2,800.0	2,799.9	2,788.0	2,779.7	9.8	10.0	5.07	115.3	277.9	293.7	274.3	19.39	15.146			
2,900.0	2,899.7	2,888.9	2,880.4	10.1	10.3	5.24	117.5	283.9	293.9	273.8	20.11	14.618			
3,000.0	2,999.4	2,989.1	2,980.5	10.5	10.7	5.35	119.9	289.6	292.3	271.4	20.82	14.039			
3,100.0	3,098.9	3,089.7	3,080.9	10.8	11.1	5.45	122.6	295.0	288.7	267.2	21.53	13.409			
3,200.0	3,198.3	3,190.3	3,181.3	11.2	11.5	5.65	124.9	300.4	283.2	261.0	22.25	12.730			
3,300.0	3,297.4	3,288.8	3,279.7	11.6	11.8	5.93	127.0	305.7	276.0	253.0	22.95	12.023			
3,400.0	3,396.4	3,386.8	3,377.5	11.9	12.2	6.27	129.1	311.6	268.5	244.8	23.66	11.349			
3,500.0	3,495.5	3,484.3	3,474.7	12.3	12.5	6.64	131.4	318.1	261.7	237.4	24.36	10.745			
3,600.0	3,594.5	3,581.8	3,571.9	12.7	12.9	7.07	133.9	325.5	255.9	230.8	25.06	10.211			
3,700.0	3,693.5	3,681.0	3,670.7	13.1	13.3	7.62	136.2	333.7	250.6	224.9	25.77	9.725			
3,800.0	3,792.5	3,780.4	3,769.7	13.4	13.7	8.39	137.8	342.4	245.6	219.1	26.49	9.272			
3,900.0	3,891.6	3,882.4	3,871.4	13.8	14.1	9.21	139.3	351.0	240.3	213.1	27.22	8.826			
4,000.0	3,990.6	3,984.4	3,973.1	14.2	14.4	9.85	141.4	358.4	234.0	206.1	27.96	8.371			
4,100.0	4,089.6	4,082.1	4,070.4	14.6	14.8	10.20	144.6	365.2	227.9	199.2	28.67	7.951			
4,200.0	4,188.6	4,180.6	4,168.6	15.0	15.2	10.22	149.3	372.3	222.5	193.1	29.38	7.574			
4,300.0	4,287.7	4,281.3	4,268.9	15.4	15.6	10.14	154.4	379.5	217.2	187.1	30.11	7.213			
4,400.0	4,386.7	4,381.8	4,369.1	15.8	15.9	10.09	159.4	386.5	211.5	180.6	30.84	6.858			
4,500.0	4,485.7	4,482.4	4,469.3	16.2	16.3	10.08	164.0	393.1	205.4	173.9	31.56	6.508			
4,600.0	4,584.8	4,582.6	4,569.2	16.6	16.7	10.11	168.5	399.4	199.1	166.8	32.29	6.165			
4,700.0	4,683.8	4,682.3	4,668.6	17.0	17.1	10.08	173.1	405.7	192.7	159.6	33.01	5.836			
4,800.0	4,782.8	4,782.5	4,768.5	17.3	17.5	10.00	177.9	411.8	186.2	152.5	33.74	5.519			
4,900.0	4,881.8	4,883.0	4,868.7	17.7	17.8	9.90	182.6	417.7	179.5	145.0	34.47	5.206			
5,000.0	4,980.9	4,983.3	4,968.7	18.1	18.2	9.84	187.1	423.2	172.3	137.1	35.20	4.896			
5,100.0	5,079.9	5,083.5	5,068.7	18.5	18.6	9.98	190.9	428.6	164.9	129.0	35.92	4.590			

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #124H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.0	5,178.9	5,182.9	5,167.9	18.9	18.9	10.35	194.0	434.1	157.3	120.7	36.65	4.294		
5,300.0	5,277.9	5,282.0	5,266.9	19.3	19.3	10.98	196.8	440.1	150.2	112.8	37.37	4.018		
5,400.0	5,377.0	5,382.2	5,366.8	19.7	19.7	11.82	199.2	446.2	143.1	105.0	38.10	3.755		
5,500.0	5,476.0	5,482.6	5,467.0	20.1	20.1	12.69	201.6	452.0	135.6	96.8	38.84	3.491		
5,600.0	5,575.0	5,581.1	5,565.3	20.6	20.4	13.46	204.5	457.6	128.3	88.7	39.56	3.242		
5,700.0	5,674.0	5,679.7	5,663.6	21.0	20.8	13.92	208.4	464.0	122.0	81.7	40.29	3.027		
5,800.0	5,773.1	5,780.2	5,763.8	21.4	21.2	14.29	212.7	470.7	115.9	74.8	41.03	2.824		
5,900.0	5,872.1	5,880.6	5,864.0	21.8	21.6	14.87	216.5	476.8	109.2	67.4	41.76	2.614		
6,000.0	5,971.1	5,980.6	5,963.7	22.2	21.9	15.65	220.1	482.6	102.2	59.7	42.50	2.404		
6,100.0	6,070.2	6,080.4	6,063.3	22.6	22.3	16.71	223.3	488.3	95.0	51.7	43.24	2.196		
6,200.0	6,169.2	6,180.1	6,162.8	23.0	22.7	18.29	226.0	494.0	87.8	43.8	43.99	1.995		
6,300.0	6,268.2	6,279.8	6,262.3	23.4	23.0	20.62	228.1	499.9	80.8	36.0	44.76	1.804		
6,400.0	6,367.2	6,379.7	6,362.0	23.8	23.4	23.55	229.9	505.7	73.7	28.2	45.55	1.619		
6,425.1	6,392.0	6,404.7	6,387.0	23.9	23.5	24.38	230.4	507.1	72.0	26.2	45.75	1.573		
6,500.0	6,466.4	6,479.4	6,461.5	24.2	23.8	26.78	231.8	511.2	67.4	21.1	46.35	1.454 Level 3		
6,600.0	6,565.8	6,579.0	6,561.0	24.6	24.1	29.13	234.0	517.0	63.8	16.6	47.14	1.353 Level 3		
6,683.5	6,649.0	6,662.3	6,644.1	24.9	24.5	30.04	236.2	522.2	62.9	15.1	47.77	1.316 Level 3, CC		
6,700.0	6,665.5	6,678.8	6,660.5	25.0	24.5	30.12	236.6	523.2	62.9	15.0	47.89	1.313 Level 3, ES, SF		
6,800.0	6,765.3	6,778.5	6,760.0	25.3	24.9	29.96	239.2	529.8	64.6	16.0	48.61	1.330 Level 3		
6,900.0	6,865.3	6,878.6	6,859.8	25.7	25.3	28.83	241.8	536.5	68.8	19.5	49.30	1.396 Level 3		
6,958.4	6,923.6	6,937.2	6,918.2	25.9	25.5	90.36	243.2	540.2	72.1	22.4	49.68	1.451 Level 3		
7,000.0	6,965.3	6,978.9	6,959.9	26.0	25.6	89.60	244.1	542.7	74.6	24.6	49.96	1.493 Level 3		
7,100.0	7,065.3	7,079.0	7,059.8	26.4	26.0	88.07	246.3	548.4	80.3	29.6	50.63	1.585		
7,200.0	7,165.3	7,179.0	7,159.6	26.7	26.4	86.85	248.3	553.8	85.8	34.5	51.31	1.671		
7,300.0	7,265.3	7,279.1	7,259.6	27.0	26.7	85.89	250.1	558.9	91.0	39.0	51.99	1.751		
7,400.0	7,365.3	7,379.3	7,359.7	27.4	27.1	85.12	251.8	563.8	96.0	43.3	52.68	1.821		
7,500.0	7,465.3	7,479.9	7,460.1	27.7	27.5	84.83	252.6	568.2	100.4	47.0	53.37	1.881		
7,600.0	7,565.3	7,580.5	7,560.7	28.1	27.8	85.38	252.0	572.1	104.2	50.1	54.08	1.927		
7,700.0	7,665.3	7,681.4	7,661.5	28.4	28.2	86.23	250.7	575.2	107.2	52.4	54.78	1.957		
7,800.0	7,765.3	7,782.3	7,762.4	28.7	28.5	86.97	249.4	577.4	109.3	53.8	55.48	1.970		
7,900.0	7,865.3	7,882.8	7,862.9	29.1	28.9	87.67	248.1	578.9	110.8	54.6	56.18	1.972		
8,000.0	7,965.3	7,983.3	7,963.3	29.4	29.2	88.35	246.8	580.0	111.7	54.9	56.87	1.965		
8,100.0	8,065.3	8,083.4	8,063.5	29.8	29.5	89.01	245.6	580.8	112.5	54.9	57.57	1.954		
8,200.0	8,165.3	8,183.7	8,163.8	30.1	29.8	89.65	244.3	581.4	113.1	54.8	58.27	1.941		
8,300.0	8,265.3	8,284.2	8,264.3	30.4	30.2	90.27	243.1	581.6	113.3	54.4	58.95	1.922		
8,400.0	8,365.3	8,384.9	8,364.9	30.8	30.5	90.89	241.9	581.3	113.0	53.4	59.63	1.896		
8,500.0	8,465.3	8,485.7	8,465.7	31.1	30.8	91.57	240.5	580.3	112.1	51.8	60.29	1.859		
8,600.0	8,565.3	8,586.1	8,566.1	31.5	31.1	92.31	239.2	578.7	110.6	49.6	60.97	1.813		
8,700.0	8,665.3	8,686.4	8,666.4	31.8	31.4	93.03	237.9	576.8	108.7	47.1	61.65	1.764		
8,800.0	8,765.3	8,787.0	8,767.0	32.2	31.7	93.78	236.6	574.5	106.5	44.2	62.31	1.709		
8,900.0	8,865.3	8,886.1	8,866.0	32.5	32.0	94.54	235.4	571.9	104.0	40.9	63.04	1.650		
9,000.0	8,965.3	8,984.4	8,964.3	32.8	32.4	94.70	235.1	571.3	103.4	39.6	63.77	1.621		
9,004.5	8,969.7	8,988.8	8,968.7	32.9	32.4	94.70	235.1	571.3	103.4	39.6	63.80	1.621		
9,100.0	9,065.3	9,084.1	9,064.0	33.2	32.7	94.49	235.5	571.5	103.6	39.1	64.47	1.607		
9,200.0	9,165.3	9,184.4	9,164.3	33.5	33.0	94.25	235.9	571.7	103.7	38.6	65.15	1.592		
9,300.0	9,265.3	9,284.9	9,264.8	33.9	33.4	94.11	236.2	571.5	103.4	37.6	65.82	1.572		
9,400.0	9,365.3	9,385.7	9,365.6	34.2	33.7	94.35	235.8	570.5	102.6	36.1	66.49	1.543		
9,500.0	9,465.3	9,486.0	9,465.7	34.6	34.0	98.30	229.1	567.4	100.3	33.1	67.18	1.492 Level 3		
9,560.4	9,525.6	9,546.4	9,524.6	34.8	34.2	105.12	217.8	563.8	98.9	31.1	67.86	1.458 Level 3		
9,600.0	9,565.3	9,582.4	9,558.9	34.9	34.3	111.44	207.1	561.1	99.9	31.6	68.31	1.463 Level 3		
9,700.0	9,665.3	9,686.0	9,646.6	35.3	34.4	129.83	172.4	553.6	115.0	47.4	67.59	1.701		
9,800.0	9,765.3	9,785.3	9,692.0	35.6	34.6	144.59	134.6	545.8	152.0	89.0	63.02	2.412		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.0	9,865.3	9,754.0	9,706.5	36.0	34.6	148.02	123.0	543.6	212.4	161.4	51.01	4.163		
10,000.0	9,965.3	9,754.0	9,706.5	36.3	34.6	148.02	123.0	543.6	294.4	253.3	41.08	7.166		
10,070.7	10,036.0	9,754.0	9,706.5	36.5	34.6	148.02	123.0	543.6	358.0	321.0	36.99	9.679		
10,100.0	10,065.2	9,754.0	9,706.5	36.6	34.6	-42.17	123.0	543.6	384.8	349.1	35.70	10.778		
10,150.0	10,115.0	9,754.0	9,706.5	36.8	34.6	-35.22	123.0	543.6	430.4	396.6	33.80	12.733		
10,200.0	10,164.2	9,754.0	9,706.5	36.9	34.6	-29.59	123.0	543.6	475.6	443.3	32.25	14.748		
10,250.0	10,212.3	9,754.0	9,706.5	37.1	34.6	-25.11	123.0	543.6	520.1	489.1	31.02	16.768		
10,300.0	10,259.2	9,754.0	9,706.5	37.2	34.6	-21.55	123.0	543.6	563.8	533.7	30.11	18.722		
10,350.0	10,304.3	9,754.0	9,706.5	37.3	34.6	-18.71	123.0	543.6	606.6	577.0	29.54	20.535		
10,400.0	10,347.4	9,754.0	9,706.5	37.4	34.6	-16.42	123.0	543.6	648.3	619.0	29.29	22.133		
10,450.0	10,388.2	9,754.0	9,706.5	37.4	34.6	-14.56	123.0	543.6	689.0	659.6	29.37	23.458		
10,500.0	10,426.2	9,754.0	9,706.5	37.5	34.6	-13.03	123.0	543.6	728.4	698.6	29.76	24.476		
10,550.0	10,461.3	9,754.0	9,706.5	37.6	34.6	-11.77	123.0	543.6	766.5	736.0	30.43	25.184		
10,600.0	10,493.1	9,754.0	9,706.5	37.6	34.6	-10.72	123.0	543.6	803.1	771.8	31.37	25.602		
10,650.0	10,521.5	9,754.0	9,706.5	37.6	34.6	-9.83	123.0	543.6	838.4	805.8	32.54	25.767		
10,700.0	10,546.2	9,754.0	9,706.5	37.7	34.6	-9.09	123.0	543.6	872.0	838.1	33.90	25.726		
10,750.0	10,567.0	9,754.0	9,706.5	37.7	34.6	-8.45	123.0	543.6	904.1	868.6	35.42	25.525		
10,800.0	10,583.7	9,754.0	9,706.5	37.7	34.6	-7.91	123.0	543.6	934.4	897.4	37.08	25.204		
10,850.0	10,596.3	9,754.0	9,706.5	37.7	34.6	-7.44	123.0	543.6	963.0	924.2	38.84	24.798		
10,900.0	10,604.6	9,754.0	9,706.5	37.7	34.6	-7.04	123.0	543.6	989.9	949.2	40.68	24.335		
10,950.0	10,608.6	9,754.0	9,706.5	37.8	34.6	-6.69	123.0	543.6	1,014.8	972.2	42.57	23.836		
10,970.7	10,609.0	9,754.0	9,706.5	37.9	34.6	-6.57	123.0	543.6	1,024.6	981.2	43.37	23.624		
11,000.0	10,609.0	9,754.0	9,706.5	37.9	34.6	-6.88	123.0	543.6	1,038.5	994.0	44.49	23.341		
11,100.0	10,609.0	9,754.0	9,706.5	38.2	34.6	-8.08	123.0	543.6	1,090.4	1,042.3	48.10	22.670		
11,200.0	10,609.0	9,754.0	9,706.5	38.6	34.6	-9.49	123.0	543.6	1,148.2	1,096.9	51.30	22.384		
11,300.0	10,609.0	9,754.0	9,706.5	39.0	34.6	-11.08	123.0	543.6	1,211.1	1,157.0	54.09	22.392		
11,400.0	10,609.0	9,754.0	9,706.5	39.5	34.6	-12.86	123.0	543.6	1,278.3	1,221.8	56.50	22.627		
11,500.0	10,609.0	9,754.0	9,706.5	40.1	34.6	-14.80	123.0	543.6	1,349.0	1,290.4	58.56	23.035		
11,600.0	10,609.0	9,754.0	9,706.5	40.7	34.6	-16.89	123.0	543.6	1,422.6	1,362.3	60.33	23.579		
11,700.0	10,609.0	9,754.0	9,706.5	41.3	34.6	-19.12	123.0	543.6	1,498.7	1,436.8	61.85	24.229		
11,739.3	10,609.0	9,754.0	9,706.5	41.6	34.6	-20.03	123.0	543.6	1,529.2	1,466.8	62.39	24.509		
11,800.0	10,609.0	9,754.0	9,706.5	42.0	34.6	-20.03	123.0	543.6	1,576.9	1,513.7	63.16	24.965		
11,900.0	10,609.0	9,754.0	9,706.5	42.8	34.6	-20.03	123.0	543.6	1,657.3	1,593.0	64.30	25.774		
12,000.0	10,609.0	9,754.0	9,706.5	43.6	34.6	-20.03	123.0	543.6	1,739.8	1,674.6	65.30	26.646		
12,100.0	10,609.0	9,754.0	9,706.5	44.5	34.6	-20.03	123.0	543.6	1,824.1	1,757.9	66.16	27.570		
12,200.0	10,609.0	9,754.0	9,706.5	45.4	34.6	-20.03	123.0	543.6	1,909.9	1,842.9	66.92	28.538		
12,300.0	10,609.0	9,754.0	9,706.5	46.3	34.6	-20.03	123.0	543.6	1,997.0	1,929.4	67.59	29.543		
12,400.0	10,609.0	9,754.0	9,706.5	47.3	34.6	-20.03	123.0	543.6	2,085.2	2,017.0	68.19	30.581		
12,500.0	10,609.0	9,754.0	9,706.5	48.3	34.6	-20.03	123.0	543.6	2,174.5	2,105.8	68.71	31.646		
12,600.0	10,609.0	9,754.0	9,706.5	49.4	34.6	-20.03	123.0	543.6	2,264.7	2,195.5	69.18	32.735		
12,700.0	10,609.0	9,754.0	9,706.5	50.4	34.6	-20.03	123.0	543.6	2,355.6	2,286.0	69.60	33.845		
12,800.0	10,609.0	9,754.0	9,706.5	51.6	34.6	-20.03	123.0	543.6	2,447.3	2,377.3	69.98	34.972		
12,900.0	10,609.0	9,754.0	9,706.5	52.7	34.6	-20.03	123.0	543.6	2,539.6	2,469.3	70.32	36.115		
13,000.0	10,609.0	9,754.0	9,706.5	53.9	34.6	-20.03	123.0	543.6	2,632.4	2,561.8	70.63	37.272		
13,100.0	10,609.0	9,754.0	9,706.5	55.1	34.6	-20.03	123.0	543.6	2,725.8	2,654.9	70.91	38.441		
13,200.0	10,609.0	9,754.0	9,706.5	56.3	34.6	-20.03	123.0	543.6	2,819.6	2,748.5	71.17	39.620		
13,300.0	10,609.0	9,754.0	9,706.5	57.5	34.6	-20.03	123.0	543.6	2,913.9	2,842.5	71.40	40.808		
13,400.0	10,609.0	9,754.0	9,706.5	58.8	34.6	-20.03	123.0	543.6	3,008.5	2,936.8	71.62	42.005		
13,500.0	10,609.0	9,754.0	9,706.5	60.1	34.6	-20.03	123.0	543.6	3,103.4	3,031.6	71.82	43.209		
13,600.0	10,609.0	9,754.0	9,706.5	61.4	34.6	-20.03	123.0	543.6	3,198.6	3,126.6	72.01	44.419		
13,700.0	10,609.0	9,754.0	9,706.5	62.7	34.6	-20.03	123.0	543.6	3,294.2	3,222.0	72.19	45.634		
13,800.0	10,609.0	9,754.0	9,706.5	64.0	34.6	-20.03	123.0	543.6	3,390.0	3,317.6	72.35	46.855		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.0	10,609.0	9,754.0	9,706.5	65.4	34.6	-20.03	123.0	543.6	3,486.0	3,413.5	72.50	48.080		
14,000.0	10,609.0	9,754.0	9,706.5	66.7	34.6	-20.03	123.0	543.6	3,582.2	3,509.6	72.65	49.308		
14,100.0	10,609.0	9,754.0	9,706.5	68.1	34.6	-20.03	123.0	543.6	3,678.7	3,605.9	72.79	50.540		
14,200.0	10,609.0	9,754.0	9,706.5	69.5	34.6	-20.03	123.0	543.6	3,775.3	3,702.4	72.92	51.774		
14,300.0	10,609.0	9,754.0	9,706.5	70.9	34.6	-20.03	123.0	543.6	3,872.1	3,799.1	73.04	53.011		
14,400.0	10,609.0	9,754.0	9,706.5	72.3	34.6	-20.03	123.0	543.6	3,969.1	3,895.9	73.16	54.250		
14,500.0	10,609.0	9,754.0	9,706.5	73.7	34.6	-20.03	123.0	543.6	4,066.2	3,992.9	73.28	55.491		
14,600.0	10,609.0	9,754.0	9,706.5	75.1	34.6	-20.03	123.0	543.6	4,163.4	4,090.0	73.39	56.733		
14,700.0	10,609.0	9,754.0	9,706.5	76.5	34.6	-20.03	123.0	543.6	4,260.8	4,187.3	73.49	57.976		
14,800.0	10,609.0	9,754.0	9,706.5	78.0	34.6	-20.03	123.0	543.6	4,358.3	4,284.7	73.59	59.220		
14,900.0	10,609.0	9,754.0	9,706.5	79.4	34.6	-20.03	123.0	543.6	4,455.9	4,382.2	73.69	60.465		
15,000.0	10,609.0	9,754.0	9,706.5	80.9	34.6	-20.03	123.0	543.6	4,553.6	4,479.8	73.79	61.709		
15,100.0	10,609.0	9,754.0	9,706.5	82.4	34.6	-20.03	123.0	543.6	4,651.4	4,577.5	73.88	62.955		
15,200.0	10,609.0	9,754.0	9,706.5	83.8	34.6	-20.03	123.0	543.6	4,749.3	4,675.3	73.98	64.200		
15,300.0	10,609.0	9,754.0	9,706.5	85.3	34.6	-20.03	123.0	543.6	4,847.3	4,773.2	74.07	65.445		
15,400.0	10,609.0	9,754.0	9,706.5	86.8	34.6	-20.03	123.0	543.6	4,945.3	4,871.2	74.15	66.689		
15,500.0	10,609.0	9,754.0	9,706.5	88.3	34.6	-20.03	123.0	543.6	5,043.5	4,969.2	74.24	67.933		
15,600.0	10,609.0	9,754.0	9,706.5	89.8	34.6	-20.03	123.0	543.6	5,141.7	5,067.3	74.33	69.176		
15,700.0	10,609.0	9,754.0	9,706.5	91.3	34.6	-20.03	123.0	543.6	5,239.9	5,165.5	74.41	70.419		
15,800.0	10,609.0	9,754.0	9,706.5	92.8	34.6	-20.03	123.0	543.6	5,338.3	5,263.8	74.49	71.661		
15,900.0	10,609.0	9,754.0	9,706.5	94.3	34.6	-20.03	123.0	543.6	5,436.7	5,362.1	74.58	72.901		
16,000.0	10,609.0	9,754.0	9,706.5	95.8	34.6	-20.03	123.0	543.6	5,535.1	5,460.5	74.66	74.141		
16,100.0	10,609.0	9,754.0	9,706.5	97.4	34.6	-20.03	123.0	543.6	5,633.7	5,558.9	74.74	75.379		
16,200.0	10,609.0	9,754.0	9,706.5	98.9	34.6	-20.03	123.0	543.6	5,732.2	5,657.4	74.82	76.615		
16,300.0	10,609.0	9,754.0	9,706.5	100.4	34.6	-20.03	123.0	543.6	5,830.8	5,755.9	74.90	77.851		
16,400.0	10,609.0	9,754.0	9,706.5	101.9	34.6	-20.03	123.0	543.6	5,929.5	5,854.5	74.98	79.084		
16,500.0	10,609.0	9,754.0	9,706.5	103.5	34.6	-20.03	123.0	543.6	6,028.2	5,953.1	75.06	80.316		
16,600.0	10,609.0	9,754.0	9,706.5	105.0	34.6	-20.03	123.0	543.6	6,126.9	6,051.8	75.13	81.546		
16,700.0	10,609.0	9,754.0	9,706.5	106.6	34.6	-20.03	123.0	543.6	6,225.7	6,150.5	75.21	82.775		
16,800.0	10,609.0	9,754.0	9,706.5	108.1	34.6	-20.03	123.0	543.6	6,324.5	6,249.3	75.29	84.001		
16,900.0	10,609.0	9,754.0	9,706.5	109.7	34.6	-20.03	123.0	543.6	6,423.4	6,348.0	75.37	85.226		
17,000.0	10,609.0	9,754.0	9,706.5	111.2	34.6	-20.03	123.0	543.6	6,522.3	6,446.9	75.45	86.448		
17,100.0	10,609.0	9,754.0	9,706.5	112.8	34.6	-20.03	123.0	543.6	6,621.2	6,545.7	75.53	87.668		
17,200.0	10,609.0	9,754.0	9,706.5	114.3	34.6	-20.03	123.0	543.6	6,720.2	6,644.6	75.60	88.887		
17,300.0	10,609.0	9,754.0	9,706.5	115.9	34.6	-20.03	123.0	543.6	6,819.2	6,743.5	75.68	90.102		
17,400.0	10,609.0	9,754.0	9,706.5	117.5	34.6	-20.03	123.0	543.6	6,918.2	6,842.4	75.76	91.316		
17,500.0	10,609.0	9,754.0	9,706.5	119.0	34.6	-20.03	123.0	543.6	7,017.2	6,941.4	75.84	92.527		
17,600.0	10,609.0	9,754.0	9,706.5	120.6	34.6	-20.03	123.0	543.6	7,116.3	7,040.4	75.92	93.736		
17,700.0	10,609.0	9,754.0	9,706.5	122.2	34.6	-20.03	123.0	543.6	7,215.4	7,139.4	76.00	94.942		
17,800.0	10,609.0	9,754.0	9,706.5	123.7	34.6	-20.03	123.0	543.6	7,314.5	7,238.5	76.08	96.146		
17,900.0	10,609.0	9,754.0	9,706.5	125.3	34.6	-20.03	123.0	543.6	7,413.7	7,337.5	76.16	97.347		
18,000.0	10,609.0	9,754.0	9,706.5	126.9	34.6	-20.03	123.0	543.6	7,512.9	7,436.6	76.24	98.545		
18,100.0	10,609.0	9,754.0	9,706.5	128.5	34.6	-20.03	123.0	543.6	7,612.1	7,535.7	76.32	99.741		
18,200.0	10,609.0	9,754.0	9,706.5	130.1	34.6	-20.03	123.0	543.6	7,711.3	7,634.9	76.40	100.934		
18,300.0	10,609.0	9,754.0	9,706.5	131.6	34.6	-20.03	123.0	543.6	7,810.5	7,734.0	76.48	102.124		
18,400.0	10,609.0	9,754.0	9,706.5	133.2	34.6	-20.03	123.0	543.6	7,909.8	7,833.2	76.56	103.312		
18,500.0	10,609.0	9,754.0	9,706.5	134.8	34.6	-20.03	123.0	543.6	8,009.0	7,932.4	76.64	104.496		
18,600.0	10,609.0	9,754.0	9,706.5	136.4	34.6	-20.03	123.0	543.6	8,108.3	8,031.6	76.73	105.678		
18,700.0	10,609.0	9,754.0	9,706.5	138.0	34.6	-20.03	123.0	543.6	8,207.6	8,130.8	76.81	106.857		
18,800.0	10,609.0	9,754.0	9,706.5	139.6	34.6	-20.03	123.0	543.6	8,306.9	8,230.0	76.89	108.033		
18,900.0	10,609.0	9,754.0	9,706.5	141.2	34.6	-20.03	123.0	543.6	8,406.3	8,329.3	76.98	109.206		
19,000.0	10,609.0	9,754.0	9,706.5	142.8	34.6	-20.03	123.0	543.6	8,505.6	8,428.6	77.06	110.375		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #124H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,100.0	10,609.0	9,754.0	9,706.5	144.4	34.6	-20.03	123.0	543.6	8,605.0	8,527.9	77.15	111.542		
19,200.0	10,609.0	9,754.0	9,706.5	146.0	34.6	-20.03	123.0	543.6	8,704.4	8,627.2	77.23	112.706		
19,300.0	10,609.0	9,754.0	9,706.5	147.6	34.6	-20.03	123.0	543.6	8,803.8	8,726.5	77.32	113.866		
19,400.0	10,609.0	9,754.0	9,706.5	149.2	34.6	-20.03	123.0	543.6	8,903.2	8,825.8	77.40	115.024		
19,500.0	10,609.0	9,754.0	9,706.5	150.8	34.6	-20.03	123.0	543.6	9,002.6	8,925.1	77.49	116.178		
19,600.0	10,609.0	9,754.0	9,706.5	152.4	34.6	-20.03	123.0	543.6	9,102.1	9,024.5	77.58	117.329		
19,700.0	10,609.0	9,754.0	9,706.5	154.0	34.6	-20.03	123.0	543.6	9,201.5	9,123.8	77.67	118.477		
19,800.0	10,609.0	9,754.0	9,706.5	155.6	34.6	-20.03	123.0	543.6	9,301.0	9,223.2	77.75	119.621		
19,900.0	10,609.0	9,754.0	9,706.5	157.2	34.6	-20.03	123.0	543.6	9,400.4	9,322.6	77.84	120.762		
20,000.0	10,609.0	9,754.0	9,706.5	158.8	34.6	-20.03	123.0	543.6	9,499.9	9,422.0	77.93	121.900		
20,100.0	10,609.0	9,754.0	9,706.5	160.4	34.6	-20.03	123.0	543.6	9,599.4	9,521.4	78.02	123.035		
20,200.0	10,609.0	9,754.0	9,706.5	162.0	34.6	-20.03	123.0	543.6	9,698.9	9,620.8	78.11	124.166		
20,300.0	10,609.0	9,754.0	9,706.5	163.6	34.6	-20.03	123.0	543.6	9,798.4	9,720.2	78.20	125.294		
20,400.0	10,609.0	9,754.0	9,706.5	165.2	34.6	-20.03	123.0	543.6	9,898.0	9,819.7	78.30	126.418		
20,500.0	10,609.0	9,754.0	9,706.5	166.8	34.6	-20.03	123.0	543.6	9,997.5	9,919.1	78.39	127.540		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #204H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	69.07	30.5	79.7	85.4					
100.0	100.0	98.4	98.4	0.1	0.2	69.05	30.4	79.5	85.1	84.9	0.28	300.667		
200.0	200.0	198.8	198.8	0.5	0.3	69.00	30.2	78.8	84.4	83.6	0.80	105.849		
300.0	300.0	299.1	299.1	0.8	0.6	68.84	30.1	77.7	83.3	81.8	1.48	56.250		
400.0	400.0	399.3	399.3	1.2	1.0	68.43	30.1	76.1	81.9	79.7	2.20	37.255		
500.0	500.0	498.9	498.9	1.6	1.3	67.77	30.5	74.5	80.5	77.6	2.91	27.672		
600.0	600.0	598.6	598.5	1.9	1.7	66.86	31.3	73.2	79.6	76.0	3.62	21.984		
700.0	700.0	698.2	698.2	2.3	2.1	65.72	32.6	72.2	79.2	74.9	4.33	18.274		
750.4	750.4	748.4	748.4	2.5	2.2	65.07	33.4	71.8	79.1	74.5	4.69	16.868	CC	
800.0	800.0	798.0	797.9	2.6	2.4	64.38	34.2	71.4	79.2	74.1	5.05	15.694		
900.0	900.0	897.9	897.8	3.0	2.8	62.95	36.1	70.7	79.4	73.6	5.76	13.784		
1,000.0	1,000.0	997.9	997.8	3.4	3.1	61.43	38.1	69.9	79.6	73.2	6.47	12.305		
1,100.0	1,100.0	1,098.0	1,097.8	3.7	3.5	59.54	40.5	68.8	79.9	72.7	7.19	11.111		
1,200.0	1,200.0	1,198.0	1,197.8	4.1	3.8	57.35	43.2	67.4	80.1	72.2	7.90	10.129		
1,300.0	1,300.0	1,298.0	1,297.8	4.4	4.2	55.27	45.8	66.0	80.3	71.7	8.62	9.317	ES	
1,400.0	1,400.0	1,396.5	1,396.2	4.8	4.5	53.48	48.4	65.4	81.4	72.1	9.33	8.727		
1,500.0	1,500.0	1,494.5	1,494.2	5.1	4.9	52.28	51.8	67.0	84.8	74.8	10.03	8.456		
1,600.0	1,600.0	1,593.6	1,593.1	5.5	5.2	51.36	56.0	70.1	89.8	79.1	10.73	8.374		
1,700.0	1,700.0	1,692.7	1,692.1	5.9	5.6	50.32	60.9	73.5	95.6	84.2	11.43	8.371		
1,800.0	1,800.0	1,791.4	1,790.5	6.2	5.9	49.10	66.9	77.2	102.4	90.3	12.12	8.448		
1,900.0	1,900.0	1,890.1	1,888.8	6.6	6.3	47.68	74.1	81.3	110.4	97.6	12.82	8.608		
2,000.0	2,000.0	1,990.8	1,989.2	6.9	6.6	46.44	81.3	85.5	118.3	104.7	13.54	8.734		
2,100.0	2,100.0	2,091.5	2,089.7	7.3	7.0	45.57	87.5	89.3	125.3	111.1	14.26	8.786		
2,200.0	2,200.0	2,192.1	2,190.0	7.7	7.4	44.62	93.6	92.3	131.7	116.7	14.98	8.790		
2,300.0	2,300.0	2,292.5	2,290.2	8.0	7.7	43.45	99.7	94.5	137.6	121.9	15.70	8.761		
2,400.0	2,400.0	2,392.7	2,390.2	8.4	8.1	42.62	105.2	96.8	143.1	126.7	16.42	8.718		
2,500.0	2,500.0	2,492.5	2,489.9	8.7	8.5	42.23	109.8	99.7	148.5	131.4	17.13	8.671		
2,600.0	2,600.0	2,591.9	2,589.1	9.1	8.8	-20.31	113.8	103.6	153.4	135.5	17.83	8.600		
2,700.0	2,700.0	2,691.7	2,688.7	9.4	9.2	-20.20	117.4	108.4	156.8	138.3	18.53	8.462		
2,800.0	2,799.9	2,791.7	2,788.6	9.8	9.5	-20.33	121.0	113.2	158.6	139.4	19.24	8.246		
2,900.0	2,899.7	2,892.7	2,889.4	10.1	9.9	-20.76	124.6	117.8	158.6	138.6	19.95	7.949		
3,000.0	2,999.4	2,994.2	2,990.8	10.5	10.3	-21.56	127.7	121.5	156.0	135.3	20.67	7.547		
3,100.0	3,098.9	3,093.4	3,089.8	10.8	10.6	-22.84	130.9	124.4	151.4	130.0	21.37	7.083		
3,200.0	3,198.3	3,191.6	3,187.9	11.2	11.0	-24.93	135.4	126.9	146.2	124.1	22.07	6.624		
3,300.0	3,297.4	3,290.5	3,286.6	11.6	11.3	-27.63	140.7	129.6	140.5	117.7	22.77	6.168		
3,400.0	3,396.4	3,389.7	3,385.6	11.9	11.7	-30.12	145.6	133.8	134.7	111.2	23.49	5.733		
3,500.0	3,495.5	3,488.2	3,483.8	12.3	12.1	-32.36	150.5	139.0	129.7	105.5	24.19	5.359		
3,600.0	3,594.5	3,586.7	3,582.0	12.7	12.4	-34.61	156.0	145.0	125.9	101.0	24.90	5.056		
3,700.0	3,693.5	3,687.6	3,682.5	13.1	12.8	-36.49	161.2	152.3	122.4	96.8	25.65	4.774		
3,800.0	3,792.5	3,788.7	3,783.2	13.4	13.2	-37.49	164.7	161.0	118.1	91.7	26.39	4.475		
3,900.0	3,891.6	3,887.3	3,881.3	13.8	13.5	-38.55	168.2	169.5	113.9	86.8	27.11	4.202		
4,000.0	3,990.6	3,986.3	3,979.9	14.2	13.9	-40.42	173.1	177.2	110.7	82.9	27.84	3.978		
4,100.0	4,089.6	4,086.3	4,079.5	14.6	14.3	-42.95	178.7	184.1	108.0	79.4	28.59	3.777		
4,200.0	4,188.6	4,186.0	4,178.9	15.0	14.7	-46.05	184.4	190.1	105.4	76.0	29.35	3.590		
4,300.0	4,287.7	4,284.8	4,277.4	15.4	15.0	-49.74	190.9	195.4	103.7	73.6	30.11	3.444		
4,366.0	4,353.0	4,350.0	4,342.3	15.6	15.3	-52.48	195.7	198.5	103.4	72.8	30.61	3.377		
4,400.0	4,386.7	4,384.0	4,376.1	15.8	15.4	-53.99	198.4	200.1	103.4	72.5	30.88	3.348		
4,500.0	4,485.7	4,484.0	4,475.8	16.2	15.8	-58.65	206.0	204.1	103.7	72.0	31.68	3.272		
4,600.0	4,584.8	4,583.6	4,575.1	16.6	16.1	-63.60	213.3	207.4	104.4	71.9	32.48	3.215		
4,700.0	4,683.8	4,682.9	4,674.0	17.0	16.5	-68.57	220.8	210.5	106.1	72.9	33.27	3.190		
4,800.0	4,782.8	4,782.5	4,773.3	17.3	16.9	-73.44	228.6	213.4	108.9	74.8	34.07	3.195		
4,900.0	4,881.8	4,882.6	4,873.1	17.7	17.3	-78.20	235.9	216.1	111.9	77.1	34.88	3.210		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,980.9	4,983.0	4,973.2	18.1	17.6	-83.02	242.5	218.5	115.2	79.5	35.68	3.229		
5,100.0	5,079.9	5,083.3	5,073.4	18.5	18.0	-88.54	247.5	219.2	118.5	82.0	36.47	3.249		
5,200.0	5,178.9	5,182.2	5,172.2	18.9	18.3	-94.67	251.1	218.2	122.6	85.4	37.22	3.295		
5,300.0	5,277.9	5,280.1	5,270.0	19.3	18.7	-101.18	254.0	215.2	128.8	90.9	37.93	3.396		
5,400.0	5,377.0	5,380.6	5,370.4	19.7	19.0	-107.46	256.5	211.7	136.5	97.9	38.65	3.532		
5,500.0	5,476.0	5,482.3	5,472.1	20.1	19.4	-112.45	259.0	210.6	143.7	104.3	39.38	3.649		
5,600.0	5,575.0	5,581.3	5,571.1	20.6	19.7	-116.62	261.2	210.8	150.8	110.7	40.08	3.763		
5,700.0	5,674.0	5,680.0	5,669.8	21.0	20.1	-120.56	263.2	210.5	158.9	118.1	40.76	3.898		
5,800.0	5,773.1	5,778.8	5,768.5	21.4	20.4	-124.28	264.8	209.7	167.9	126.5	41.44	4.052		
5,900.0	5,872.1	5,877.7	5,867.4	21.8	20.8	-127.76	266.1	208.6	177.7	135.6	42.11	4.221		
6,000.0	5,971.1	5,978.5	5,968.2	22.2	21.1	-131.11	266.7	207.8	187.6	144.9	42.78	4.386		
6,100.0	6,070.2	6,078.9	6,068.6	22.6	21.4	-134.31	266.3	207.6	197.2	153.7	43.45	4.538		
6,200.0	6,169.2	6,177.6	6,167.3	23.0	21.8	-137.23	265.6	207.5	207.0	162.9	44.09	4.696		
6,300.0	6,268.2	6,276.2	6,265.9	23.4	22.1	-139.88	265.0	207.4	217.5	172.8	44.73	4.863		
6,400.0	6,367.2	6,374.6	6,364.3	23.8	22.4	-142.25	264.5	207.0	228.7	183.3	45.38	5.039		
6,425.1	6,392.0	6,399.3	6,389.0	23.9	22.5	-142.80	264.4	206.9	231.6	186.0	45.54	5.085		
6,500.0	6,466.4	6,473.3	6,463.0	24.2	22.7	-144.35	264.1	206.4	239.8	193.8	46.03	5.209		
6,600.0	6,565.8	6,572.5	6,562.2	24.6	23.1	-145.96	263.7	205.7	249.2	202.5	46.70	5.336		
6,700.0	6,665.5	6,672.0	6,661.6	25.0	23.4	-147.15	263.2	205.0	256.6	209.2	47.37	5.418		
6,800.0	6,765.3	6,771.7	6,761.4	25.3	23.7	-147.98	262.7	204.2	261.9	213.9	48.04	5.452		
6,900.0	6,865.3	6,871.5	6,861.1	25.7	24.1	-148.50	262.0	203.4	265.1	216.4	48.71	5.442		
6,958.4	6,923.6	6,929.7	6,919.4	25.9	24.2	-86.16	261.4	202.9	266.0	216.9	49.10	5.416		
7,000.0	6,965.3	6,971.2	6,960.9	26.0	24.4	-86.26	261.0	202.5	266.3	216.9	49.38	5.393		
7,100.0	7,065.3	7,070.7	7,060.4	26.4	24.7	-86.52	259.8	201.5	267.3	217.3	50.05	5.341		
7,200.0	7,165.3	7,170.1	7,159.7	26.7	25.0	-86.77	258.8	200.2	268.5	217.8	50.72	5.294		
7,300.0	7,265.3	7,269.2	7,258.8	27.0	25.4	-86.96	257.9	198.7	270.0	218.6	51.39	5.254		
7,400.0	7,365.3	7,368.1	7,357.7	27.4	25.7	-87.04	257.6	196.9	271.8	219.8	52.06	5.222		
7,500.0	7,465.3	7,468.2	7,457.8	27.7	26.1	-87.07	257.6	194.8	273.9	221.1	52.75	5.192		
7,600.0	7,565.3	7,568.5	7,558.1	28.1	26.4	-87.14	257.4	192.9	275.8	222.4	53.44	5.161		
7,700.0	7,665.3	7,671.4	7,661.0	28.4	26.7	-87.25	256.9	191.4	277.2	223.0	54.16	5.117		
7,800.0	7,765.3	7,774.5	7,764.0	28.7	27.1	-87.38	256.3	191.1	277.5	222.6	54.88	5.056		
7,885.1	7,850.4	7,858.8	7,848.4	29.0	27.4	-87.51	255.7	191.1	277.4	222.0	55.45	5.003		
7,900.0	7,865.3	7,873.6	7,863.2	29.1	27.4	-87.54	255.5	191.1	277.4	221.9	55.55	4.994		
8,000.0	7,965.3	7,973.2	7,962.7	29.4	27.8	-87.71	254.7	191.0	277.5	221.3	56.23	4.935		
8,100.0	8,065.3	8,072.4	8,061.9	29.8	28.1	-87.88	253.9	190.6	277.9	221.0	56.90	4.883		
8,200.0	8,165.3	8,172.1	8,161.6	30.1	28.4	-88.04	253.1	190.0	278.5	220.9	57.59	4.835		
8,300.0	8,265.3	8,273.1	8,262.7	30.4	28.8	-88.23	252.2	189.6	278.9	220.6	58.28	4.784		
8,400.0	8,365.3	8,373.4	8,363.0	30.8	29.1	-88.44	251.2	189.4	278.9	220.0	58.97	4.730		
8,500.0	8,465.3	8,472.8	8,462.4	31.1	29.5	-88.60	250.4	189.2	279.1	219.5	59.65	4.680		
8,600.0	8,565.3	8,571.9	8,561.4	31.5	29.8	-88.72	249.9	188.7	279.6	219.3	60.33	4.635		
8,700.0	8,665.3	8,670.7	8,660.2	31.8	30.1	-88.84	249.3	187.9	280.5	219.5	61.01	4.597		
8,800.0	8,765.3	8,769.8	8,759.3	32.2	30.5	-88.89	249.1	186.6	281.7	220.0	61.69	4.567		
8,900.0	8,865.3	8,869.0	8,858.5	32.5	30.8	-88.57	250.7	185.1	283.3	220.9	62.39	4.540		
9,000.0	8,965.3	8,969.9	8,959.4	32.8	31.2	-88.04	253.4	183.6	284.9	221.8	63.11	4.514		
9,100.0	9,065.3	9,071.7	9,061.1	33.2	31.5	-87.88	254.2	182.5	286.0	222.1	63.84	4.480		
9,200.0	9,165.3	9,170.5	9,160.0	33.5	31.9	-87.98	253.7	181.7	286.8	222.3	64.52	4.446		
9,300.0	9,265.3	9,268.7	9,258.1	33.9	32.2	-88.08	253.3	180.2	288.3	223.1	65.19	4.422		
9,400.0	9,365.3	9,375.2	9,364.5	34.2	32.6	-88.22	252.6	179.3	289.1	223.2	65.95	4.384		
9,500.0	9,465.3	9,482.8	9,472.1	34.6	32.9	-88.51	251.1	181.1	287.4	220.7	66.68	4.309		
9,600.0	9,565.3	9,585.0	9,574.2	34.9	33.3	-88.87	249.2	184.5	284.0	216.6	67.38	4.215		
9,700.0	9,665.3	9,685.9	9,675.0	35.3	33.6	-89.30	247.0	188.8	279.8	211.7	68.06	4.110		
9,800.0	9,765.3	9,782.7	9,771.8	35.6	34.0	-89.61	245.5	192.3	276.1	207.4	68.75	4.016		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.0	9,865.3	9,879.7	9,868.7	36.0	34.3	-89.77	244.7	194.8	273.6	204.1	69.43	3.941		
10,000.0	9,965.3	9,976.9	9,966.0	36.3	34.6	-89.90	244.1	196.2	272.1	202.0	70.10	3.881		
10,070.7	10,036.0	10,045.9	10,035.0	36.5	34.9	-89.99	243.7	196.7	271.6	201.0	70.58	3.849		
10,100.0	10,065.2	10,075.0	10,064.1	36.6	35.0	75.25	243.5	196.7	271.3	200.6	70.77	3.834		
10,150.0	10,115.0	10,124.5	10,113.6	36.8	35.1	76.26	243.1	196.9	270.0	198.9	71.11	3.798		
10,200.0	10,164.2	10,173.7	10,162.7	36.9	35.3	78.22	242.7	197.0	267.9	196.5	71.45	3.750		
10,250.0	10,212.3	10,221.9	10,210.9	37.1	35.5	81.11	242.3	197.0	265.3	193.5	71.79	3.696		
10,300.0	10,259.2	10,268.7	10,257.7	37.2	35.6	84.78	241.9	197.1	262.9	190.8	72.13	3.646		
10,350.0	10,304.3	10,313.8	10,302.8	37.3	35.8	89.08	241.5	197.1	261.6	189.1	72.47	3.610		
10,362.4	10,315.2	10,324.6	10,313.7	37.3	35.8	90.21	241.5	197.1	261.5	189.0	72.55	3.605		
10,400.0	10,347.4	10,356.2	10,345.3	37.4	35.9	93.66	241.3	197.0	262.3	189.5	72.79	3.603		
10,450.0	10,388.2	10,396.2	10,385.3	37.4	36.1	98.25	241.1	196.9	266.1	193.0	73.11	3.640		
10,500.0	10,426.2	10,433.8	10,422.9	37.5	36.2	102.58	241.0	196.6	274.1	200.7	73.40	3.734		
10,550.0	10,461.3	10,469.0	10,458.1	37.6	36.3	106.40	240.9	196.4	286.8	213.1	73.67	3.893		
10,600.0	10,493.1	10,501.1	10,490.1	37.6	36.4	109.43	240.8	196.1	304.6	230.7	73.89	4.122		
10,650.0	10,521.5	10,529.9	10,518.9	37.6	36.5	111.50	240.6	195.8	327.5	253.4	74.07	4.421		
10,700.0	10,546.2	10,555.4	10,544.4	37.7	36.6	112.53	240.4	195.5	355.2	281.0	74.21	4.786		
10,750.0	10,567.0	10,577.0	10,566.1	37.7	36.7	112.30	240.3	195.3	387.2	312.9	74.31	5.211		
10,800.0	10,583.7	10,594.2	10,583.2	37.7	36.8	110.57	240.2	195.2	422.9	348.5	74.37	5.687		
10,850.0	10,596.3	10,607.0	10,596.0	37.7	36.8	107.13	240.1	195.1	461.7	387.3	74.40	6.206		
10,900.0	10,604.6	10,615.6	10,604.7	37.7	36.8	101.77	240.0	195.1	503.0	428.6	74.41	6.760		
10,950.0	10,608.6	10,620.0	10,609.0	37.8	36.8	94.29	240.0	195.0	546.0	471.6	74.39	7.340		
10,970.7	10,609.0	10,620.5	10,609.5	37.9	36.8	90.56	240.0	195.0	564.3	489.9	74.38	7.586		
11,000.0	10,609.0	10,620.7	10,609.8	37.9	36.8	90.62	240.0	195.0	590.4	516.0	74.37	7.939		
11,100.0	10,609.0	10,621.5	10,610.6	38.2	36.8	90.87	240.0	195.0	682.4	608.1	74.32	9.181		
11,200.0	10,609.0	11,832.3	11,315.5	38.6	40.4	174.31	-516.1	202.3	712.1	678.0	34.16	20.849		
11,300.0	10,609.0	11,931.2	11,318.8	39.0	40.9	175.82	-615.0	204.7	713.8	679.6	34.25	20.842		
11,400.0	10,609.0	12,046.1	11,320.1	39.5	41.5	177.04	-729.8	205.1	714.1	679.4	34.66	20.603		
11,500.0	10,609.0	12,184.3	11,317.1	40.1	42.3	178.20	-868.0	207.6	711.5	675.9	35.59	19.992		
11,600.0	10,609.0	12,284.0	11,311.9	40.7	43.0	178.74	-967.5	210.0	706.1	669.9	36.22	19.496		
11,700.0	10,609.0	12,380.1	11,307.4	41.3	43.6	179.05	-1,063.4	212.8	701.2	664.4	36.89	19.009		
11,739.3	10,609.0	12,419.9	11,305.5	41.6	43.9	179.12	-1,103.1	214.2	699.4	662.2	37.21	18.797		
11,800.0	10,609.0	12,474.8	11,303.0	42.0	44.4	179.24	-1,158.0	216.3	696.6	659.0	37.62	18.519		
11,900.0	10,609.0	12,552.0	11,301.5	42.8	45.0	179.39	-1,235.1	218.7	694.6	656.4	38.19	18.188		
12,000.0	10,609.0	12,651.9	11,301.3	43.6	45.8	179.57	-1,335.0	221.7	694.3	655.2	39.10	17.759		
12,030.8	10,609.0	12,678.8	11,301.2	43.9	46.1	179.63	-1,361.8	222.6	694.3	654.9	39.35	17.643		
12,100.0	10,609.0	12,740.8	11,301.5	44.5	46.6	179.78	-1,423.8	224.9	694.6	654.7	39.93	17.394		
12,200.0	10,609.0	12,846.1	11,302.2	45.4	47.6	-179.97	-1,529.0	228.9	695.3	654.3	40.96	16.973		
12,300.0	10,609.0	12,932.1	11,303.5	46.3	48.4	-179.79	-1,615.0	231.8	696.7	654.8	41.86	16.644		
12,400.0	10,609.0	13,024.9	11,306.1	47.3	49.3	-179.61	-1,707.7	234.8	699.5	656.7	42.86	16.321		
12,500.0	10,609.0	13,107.5	11,309.8	48.3	50.2	-179.43	-1,790.1	237.6	704.1	660.2	43.85	16.057		
12,600.0	10,609.0	13,223.2	11,315.8	49.4	51.4	-179.30	-1,905.7	240.3	709.3	664.3	45.05	15.744		
12,700.0	10,609.0	13,363.2	11,315.0	50.4	52.9	-179.69	-2,045.6	236.6	708.2	661.6	46.68	15.173		
12,800.0	10,609.0	13,453.1	11,313.7	51.6	53.9	-179.97	-2,135.4	233.1	706.7	659.0	47.75	14.801		
12,900.0	10,609.0	13,579.1	11,311.7	52.7	55.4	-179.69	-2,261.3	230.8	705.4	656.0	49.37	14.287		
13,000.0	10,609.0	13,669.8	11,308.3	53.9	56.4	-179.55	-2,351.9	229.7	701.7	651.3	50.46	13.907		
13,100.0	10,609.0	13,750.0	11,307.1	55.1	57.4	-179.55	-2,432.2	230.4	700.1	648.7	51.41	13.619		
13,200.0	10,609.0	13,870.4	11,305.2	56.3	58.9	-179.73	-2,552.5	233.7	698.5	645.6	52.95	13.193		
13,300.0	10,609.0	13,958.9	11,303.5	57.5	60.0	-179.93	-2,640.9	236.8	696.6	642.6	54.02	12.896		
13,400.0	10,609.0	14,083.6	11,298.3	58.8	61.6	-179.91	-2,765.5	239.7	692.2	636.5	55.69	12.429		
13,500.0	10,609.0	14,176.2	11,294.3	60.1	62.7	-179.80	-2,857.9	241.8	687.9	631.1	56.85	12.100		
13,600.0	10,609.0	14,275.4	11,290.5	61.4	64.0	-179.61	-2,957.0	244.9	684.0	625.9	58.14	11.766		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #204H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,700.0	10,609.0	14,371.3	11,287.0	62.7	65.3	-179.43	-3,052.8	247.8	680.4	621.0	59.38	11.457		
13,800.0	10,609.0	14,457.6	11,284.8	64.0	66.5	-179.24	-3,139.0	250.7	677.9	617.4	60.49	11.207		
13,840.9	10,609.0	14,490.3	11,284.6	64.6	66.9	-179.14	-3,171.7	252.2	677.7	616.8	60.92	11.125		
13,900.0	10,609.0	14,540.2	11,284.9	65.4	67.6	-178.94	-3,221.5	255.0	678.2	616.6	61.58	11.013		
14,000.0	10,609.0	14,636.1	11,286.8	66.7	68.9	-178.60	-3,317.2	259.8	680.2	617.3	62.88	10.818		
14,100.0	10,609.0	14,755.3	11,287.6	68.1	70.5	-178.54	-3,436.4	261.5	680.8	616.3	64.53	10.551		
14,200.0	10,609.0	14,864.8	11,285.6	69.5	72.0	-178.79	-3,545.9	259.4	679.0	612.9	66.06	10.278		
14,300.0	10,609.0	14,960.6	11,283.7	70.9	73.3	-179.06	-3,641.7	256.9	676.9	609.5	67.39	10.045		
14,400.0	10,609.0	15,063.0	11,282.2	72.3	74.8	-179.43	-3,744.0	253.4	675.4	606.5	68.84	9.811		
14,500.0	10,609.0	15,160.4	11,280.4	73.7	76.1	-179.84	-3,841.3	249.4	673.5	603.3	70.23	9.590		
14,600.0	10,609.0	15,253.8	11,279.4	75.1	77.4	179.76	-3,934.6	245.4	672.4	600.8	71.57	9.395		
14,637.1	10,609.0	15,287.2	11,279.2	75.6	77.9	179.61	-3,968.0	244.0	672.3	600.2	72.05	9.330		
14,700.0	10,609.0	15,341.4	11,279.6	76.5	78.7	179.39	-4,022.1	241.9	672.7	599.9	72.84	9.236		
14,800.0	10,609.0	15,436.0	11,281.3	78.0	80.0	179.05	-4,116.7	238.6	674.6	600.4	74.23	9.089		
14,900.0	10,609.0	15,551.1	11,282.7	79.4	81.6	178.47	-4,231.6	232.7	676.0	600.0	76.01	8.893		
14,920.3	10,609.0	15,575.7	11,282.5	79.7	82.0	178.29	-4,256.1	230.8	675.9	599.5	76.41	8.845		
15,000.0	10,609.0	15,635.8	11,283.3	80.9	82.9	177.98	-4,316.1	227.6	676.9	599.6	77.31	8.755		
15,100.0	10,609.0	15,766.4	11,283.8	82.4	84.8	177.63	-4,446.6	224.5	677.6	598.2	79.35	8.539		
15,200.0	10,609.0	15,869.6	11,281.1	83.8	86.3	177.59	-4,549.8	224.9	675.0	594.2	80.86	8.348		
15,300.0	10,609.0	15,959.9	11,279.3	85.3	87.6	177.66	-4,640.1	226.7	672.9	590.8	82.13	8.193		
15,400.0	10,609.0	16,054.4	11,278.9	86.8	89.0	177.91	-4,734.5	230.3	672.4	589.0	83.43	8.060		
15,500.0	10,609.0	16,163.4	11,276.8	88.3	90.6	178.09	-4,843.4	233.4	670.4	585.4	84.98	7.888		
15,569.0	10,609.0	16,220.0	11,276.4	89.3	91.5	178.19	-4,900.0	235.1	669.7	584.0	85.76	7.809		
15,600.0	10,609.0	16,248.5	11,276.4	89.8	91.9	178.25	-4,928.5	236.0	669.8	583.6	86.16	7.774		
15,700.0	10,609.0	16,346.5	11,277.3	91.3	93.4	178.52	-5,026.4	239.9	670.6	583.0	87.52	7.662		
15,800.0	10,609.0	16,451.7	11,277.4	92.8	95.0	178.83	-5,131.5	244.5	670.5	581.5	89.01	7.533		
15,810.0	10,609.0	16,461.2	11,277.4	93.0	95.1	178.86	-5,141.0	244.9	670.5	581.4	89.14	7.522		
15,900.0	10,609.0	16,557.7	11,277.4	94.3	96.6	179.23	-5,237.4	250.0	670.5	580.0	90.51	7.408		
16,000.0	10,609.0	16,653.5	11,276.1	95.8	98.0	179.39	-5,333.2	252.7	669.1	577.2	91.89	7.282		
16,011.1	10,609.0	16,662.4	11,276.0	96.0	98.2	179.41	-5,342.0	253.0	669.1	577.1	92.01	7.272		
16,100.0	10,609.0	16,736.9	11,277.0	97.4	99.3	179.58	-5,416.4	255.5	670.2	577.1	93.06	7.202		
16,200.0	10,609.0	16,839.9	11,279.7	98.9	100.9	179.83	-5,519.3	259.3	672.8	578.3	94.56	7.115		
16,300.0	10,609.0	16,953.0	11,280.1	100.4	102.6	179.89	-5,632.4	261.0	673.1	576.8	96.26	6.992		
16,400.0	10,609.0	17,066.9	11,278.8	101.9	104.3	179.58	-5,746.3	258.3	672.1	574.0	98.01	6.857		
16,500.0	10,609.0	17,183.8	11,274.6	103.5	106.1	178.86	-5,862.9	250.9	668.5	568.6	99.88	6.693		
16,600.0	10,609.0	17,275.1	11,270.9	105.0	107.5	178.39	-5,954.0	246.2	664.5	563.2	101.35	6.557		
16,700.0	10,609.0	17,368.4	11,268.1	106.6	108.9	178.06	-6,047.2	243.3	661.7	558.8	102.83	6.434		
16,800.0	10,609.0	17,484.9	11,263.3	108.1	110.7	177.87	-6,163.5	242.2	657.6	553.0	104.64	6.284		
16,900.0	10,609.0	17,580.5	11,258.8	109.7	112.2	177.84	-6,259.1	242.9	652.9	546.8	106.08	6.154		
17,000.0	10,609.0	17,673.2	11,255.5	111.2	113.6	177.89	-6,351.7	244.3	649.3	541.8	107.46	6.042		
17,100.0	10,609.0	17,773.4	11,252.3	112.8	115.2	178.07	-6,451.8	247.2	646.1	537.1	108.91	5.932		
17,200.0	10,609.0	17,871.6	11,249.3	114.3	116.7	178.29	-6,549.8	250.7	642.9	532.6	110.32	5.828		
17,300.0	10,609.0	17,969.6	11,246.8	115.9	118.2	178.60	-6,647.7	255.0	640.3	528.6	111.71	5.732		
17,400.0	10,609.0	18,066.7	11,244.3	117.5	119.8	179.01	-6,744.7	260.3	637.5	524.4	113.07	5.638		
17,500.0	10,609.0	18,161.4	11,243.1	119.0	121.3	179.31	-6,839.3	264.5	636.2	521.8	114.44	5.559		
17,600.0	10,609.0	18,265.2	11,241.1	120.6	122.9	179.34	-6,943.1	265.7	634.3	518.3	116.01	5.468		
17,700.0	10,609.0	18,360.2	11,239.6	122.2	124.4	179.27	-7,038.0	265.8	632.7	515.3	117.44	5.387		
17,800.0	10,609.0	18,458.6	11,238.7	123.7	125.9	178.99	-7,136.4	263.5	631.9	512.9	118.99	5.310		
17,900.0	10,609.0	18,554.3	11,237.8	125.3	127.4	178.49	-7,232.0	258.8	631.1	510.5	120.55	5.235		
17,910.6	10,609.0	18,563.8	11,237.8	125.5	127.5	178.44	-7,241.5	258.3	631.1	510.4	120.70	5.228		
18,000.0	10,609.0	18,646.8	11,238.2	126.9	128.8	178.02	-7,324.3	254.3	631.7	509.6	122.07	5.175		
18,100.0	10,609.0	18,749.5	11,239.1	128.5	130.4	177.65	-7,427.0	251.1	632.6	508.9	123.77	5.111		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #204H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,200.0	10,609.0	18,848.9	11,239.3	130.1	132.0	177.46	-7,526.4	249.8	632.9	507.6	125.36	5.049		
18,300.0	10,609.0	18,942.9	11,240.7	131.6	133.5	177.50	-7,620.4	250.9	634.4	507.6	126.75	5.005		
18,400.0	10,609.0	19,050.8	11,242.0	133.2	135.2	177.61	-7,728.3	253.0	635.6	507.2	128.39	4.951		
18,500.0	10,609.0	19,163.0	11,241.5	134.8	137.0	177.70	-7,840.4	254.9	635.1	505.0	130.10	4.881		
18,600.0	10,609.0	19,262.9	11,239.8	136.4	138.5	177.81	-7,940.3	257.0	633.3	501.8	131.59	4.813		
18,700.0	10,609.0	19,356.4	11,239.0	138.0	140.0	178.07	-8,033.7	260.8	632.3	499.4	132.90	4.758		
18,800.0	10,609.0	19,467.6	11,238.0	139.6	141.8	178.55	-8,144.7	267.0	631.4	496.9	134.46	4.696		
18,900.0	10,609.0	19,571.1	11,235.5	141.2	143.5	179.10	-8,248.0	273.8	628.8	492.9	135.91	4.627		
18,955.6	10,609.0	19,609.6	11,235.0	142.1	144.1	179.33	-8,286.4	276.7	628.1	491.7	136.42	4.604		
19,000.0	10,609.0	19,640.4	11,235.4	142.8	144.6	179.51	-8,317.1	278.9	628.6	491.8	136.79	4.595		
19,100.0	10,609.0	19,743.1	11,238.4	144.4	146.2	-179.96	-8,419.5	285.6	631.5	493.2	138.31	4.566		
19,200.0	10,609.0	19,846.4	11,239.7	146.0	147.9	-179.49	-8,522.6	291.6	632.8	492.9	139.89	4.524		
19,300.0	10,609.0	19,944.1	11,241.0	147.6	149.4	-178.98	-8,620.1	298.2	634.2	492.9	141.38	4.486		
19,400.0	10,609.0	20,026.8	11,243.4	149.2	150.8	-178.63	-8,702.7	302.7	637.2	494.6	142.56	4.470		
19,500.0	10,609.0	20,111.3	11,248.1	150.8	152.1	-178.50	-8,787.0	305.0	642.8	499.1	143.70	4.473		
19,600.0	10,609.0	20,212.7	11,255.2	152.4	153.8	-178.28	-8,888.0	308.5	649.9	504.6	145.32	4.472		
19,700.0	10,609.0	20,346.7	11,261.1	154.0	155.9	-178.06	-9,021.9	312.2	654.5	506.8	147.70	4.432		
19,800.0	10,609.0	20,469.7	11,258.5	155.6	157.9	-178.33	-9,144.8	310.2	651.9	502.3	149.58	4.358		
19,900.0	10,609.0	20,568.8	11,257.7	157.2	159.4	-178.61	-9,243.8	307.7	651.1	500.0	151.06	4.310		
20,000.0	10,609.0	20,668.0	11,254.6	158.8	161.0	-178.87	-9,343.0	305.6	647.9	495.3	152.55	4.247		
20,100.0	10,609.0	20,766.9	11,253.8	160.4	162.6	-179.10	-9,441.9	303.7	647.0	493.0	154.06	4.200		
20,200.0	10,609.0	20,859.6	11,252.0	162.0	164.1	-179.37	-9,534.5	301.4	645.0	489.6	155.47	4.149		
20,217.6	10,609.0	20,873.2	11,251.9	162.3	164.3	-179.40	-9,548.1	301.2	645.0	489.3	155.67	4.143		
20,300.0	10,609.0	20,954.4	11,252.5	163.6	165.6	-179.59	-9,629.3	299.8	645.5	488.6	156.91	4.114		
20,381.8	10,609.0	21,037.5	11,252.3	164.9	166.9	-179.80	-9,712.4	298.1	645.3	487.1	158.20	4.079		
20,400.0	10,609.0	21,054.4	11,252.4	165.2	167.2	-179.84	-9,729.2	297.7	645.4	486.9	158.46	4.073		
20,500.0	10,609.0	21,158.5	11,252.6	166.8	168.8	179.78	-9,833.3	294.3	645.6	485.5	160.11	4.032		
20,590.5	10,609.0	21,246.6	11,252.1	168.3	170.2	179.24	-9,921.2	289.0	645.2	483.7	161.55	3.994		
20,600.0	10,609.0	21,255.4	11,252.1	168.4	170.4	179.20	-9,930.0	288.6	645.2	483.5	161.69	3.990		
20,700.0	10,609.0	21,359.2	11,252.1	170.0	172.0	178.84	-10,033.8	285.4	645.3	481.9	163.39	3.949		
20,724.7	10,609.0	21,385.8	11,251.9	170.4	172.5	178.77	-10,060.4	284.8	645.1	481.3	163.83	3.938		
20,800.0	10,609.0	21,433.7	11,252.8	171.7	173.2	178.62	-10,108.2	283.5	646.4	482.0	164.46	3.931		
20,900.0	10,609.0	21,536.7	11,257.4	173.3	174.9	178.34	-10,211.1	281.1	651.0	484.8	166.17	3.918		
21,000.0	10,609.0	21,692.6	11,254.4	174.9	177.4	178.23	-10,366.9	281.2	648.7	480.1	168.65	3.846		
21,100.0	10,609.0	21,785.2	11,249.4	176.5	178.9	178.17	-10,459.3	281.5	643.4	473.2	170.15	3.781		
21,200.0	10,609.0	21,863.3	11,247.1	178.1	180.1	178.27	-10,537.4	283.2	640.4	469.1	171.36	3.737		
21,220.4	10,609.0	21,877.1	11,247.1	178.4	180.4	178.30	-10,551.2	283.8	640.3	468.8	171.55	3.733		
21,300.0	10,609.0	21,930.9	11,248.2	179.7	181.2	178.51	-10,605.0	286.5	641.9	469.8	172.11	3.730		
21,400.0	10,609.0	22,066.2	11,249.9	181.3	183.4	178.88	-10,740.1	291.7	643.0	468.8	174.29	3.690		
21,500.0	10,609.0	22,180.5	11,248.1	183.0	185.3	179.00	-10,854.3	294.1	641.6	465.7	175.99	3.646		
21,600.0	10,609.0	22,293.2	11,241.7	184.6	187.1	179.04	-10,966.8	295.4	635.8	458.1	177.64	3.579		
21,700.0	10,609.0	22,377.0	11,237.8	186.2	188.4	179.12	-11,050.5	297.2	631.2	452.2	179.00	3.526		
21,800.0	10,609.0	22,472.4	11,235.8	187.8	190.0	179.28	-11,145.8	299.7	629.0	448.5	180.45	3.486		
21,900.0	10,609.0	22,570.6	11,233.2	189.4	191.6	179.38	-11,244.0	301.6	626.4	444.4	181.95	3.443		
21,987.1	10,609.0	22,644.4	11,232.3	190.8	192.8	179.50	-11,317.7	303.5	625.3	442.2	183.05	3.416		
22,000.0	10,609.0	22,654.6	11,232.3	191.1	192.9	179.52	-11,327.9	303.9	625.3	442.1	183.19	3.413		
22,100.0	10,609.0	22,752.0	11,233.8	192.7	194.5	179.93	-11,425.2	309.1	626.8	442.2	184.63	3.395		
22,200.0	10,609.0	22,872.9	11,232.7	194.3	196.5	-179.51	-11,545.9	316.2	625.9	439.4	186.51	3.356		
22,300.0	10,609.0	22,965.0	11,230.7	195.9	198.0	-179.25	-11,637.9	319.8	623.8	435.8	187.94	3.319		
22,400.0	10,609.0	23,080.7	11,228.4	197.5	199.9	-178.77	-11,753.4	325.9	621.9	432.2	189.75	3.278		
22,500.0	10,609.0	23,161.2	11,226.5	199.2	201.2	-178.42	-11,833.8	330.3	619.8	428.7	191.09	3.243		
22,600.0	10,609.0	23,281.6	11,224.5	200.8	203.1	-178.17	-11,954.0	334.0	618.3	425.3	192.98	3.204		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Voni - Voni Fed Com #204H - Wellbore #1 - Wellbore #1												Offset Well Error:	0.0 usft
Survey Program: 216-MWD													
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
22,700.0	10,609.0	23,365.7	11,222.6	202.4	204.5	-177.98	-12,038.1	336.6	616.0	421.6	194.38	3.169	
22,766.6	10,609.0	23,424.7	11,222.1	203.5	205.5	-177.77	-12,097.0	339.4	615.6	420.2	195.36	3.151	
22,800.0	10,609.0	23,454.2	11,222.2	204.0	206.0	-177.64	-12,126.5	341.0	615.7	419.8	195.85	3.144	
22,900.0	10,609.0	23,564.3	11,221.7	205.7	207.8	-177.15	-12,236.5	347.2	615.5	417.7	197.80	3.112	
22,973.5	10,609.0	23,637.8	11,220.8	206.9	209.0	-176.83	-12,309.8	351.1	614.8	415.7	199.11	3.088 SF	
23,000.0	10,609.0	23,630.0	11,220.9	207.3	208.8	-176.87	-12,302.0	350.7	615.5	416.8	198.71	3.097	
23,100.0	10,609.0	23,630.0	11,220.9	208.9	208.8	-176.87	-12,302.0	350.7	628.1	432.8	195.28	3.216	
23,112.4	10,609.0	23,630.0	11,220.9	209.1	208.8	-176.87	-12,302.0	350.7	630.7	436.1	194.60	3.241	
23,112.9	10,609.0	23,630.0	11,220.9	209.1	208.8	-176.87	-12,302.0	350.7	630.8	435.7	195.08	3.234	

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #218H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	89.63	0.7	110.0	110.0					
100.0	100.0	97.3	97.3	0.1	0.2	89.59	0.8	110.2	110.3	110.0	0.28	389.990 ES		
200.0	200.0	196.6	196.6	0.5	0.3	89.46	1.1	111.2	111.2	110.4	0.80	139.799		
300.0	300.0	296.4	296.4	0.8	0.6	89.26	1.4	112.5	112.5	111.1	1.47	76.437		
400.0	400.0	396.3	396.3	1.2	1.0	89.05	1.9	114.0	114.0	111.8	2.19	52.106		
500.0	500.0	495.5	495.5	1.6	1.3	88.77	2.5	115.8	115.8	112.9	2.90	39.896		
600.0	600.0	594.7	594.6	1.9	1.7	88.39	3.3	118.3	118.3	114.7	3.62	32.714		
700.0	700.0	694.5	694.4	2.3	2.1	88.04	4.1	121.1	121.3	116.9	4.33	27.984		
800.0	800.0	794.3	794.2	2.6	2.4	87.81	4.7	124.2	124.3	119.3	5.05	24.623		
900.0	900.0	894.4	894.2	3.0	2.8	87.78	4.9	127.2	127.4	121.6	5.77	22.090		
1,000.0	1,000.0	994.8	994.5	3.4	3.1	87.97	4.6	130.1	130.3	123.8	6.48	20.094		
1,100.0	1,100.0	1,095.7	1,095.4	3.7	3.5	88.35	3.8	132.5	132.6	125.4	7.20	18.414		
1,200.0	1,200.0	1,194.4	1,194.1	4.1	3.9	88.72	3.0	134.6	134.7	126.8	7.91	17.029		
1,300.0	1,300.0	1,291.5	1,291.1	4.4	4.2	88.44	3.8	138.4	138.6	130.0	8.61	16.096		
1,400.0	1,400.0	1,388.6	1,388.0	4.8	4.6	87.56	6.1	144.1	144.6	135.3	9.31	15.524		
1,500.0	1,500.0	1,485.4	1,484.4	5.1	4.9	86.40	9.5	151.6	152.5	142.5	10.01	15.233		
1,600.0	1,600.0	1,581.6	1,580.1	5.5	5.3	85.11	13.8	160.8	162.4	151.7	10.70	15.181		
1,700.0	1,700.0	1,677.2	1,674.9	5.9	5.6	83.86	18.5	172.0	174.6	163.2	11.38	15.339		
1,800.0	1,800.0	1,775.0	1,771.7	6.2	6.0	82.69	23.7	184.9	188.3	176.2	12.08	15.582		
1,900.0	1,900.0	1,873.2	1,868.9	6.6	6.4	81.70	28.9	198.2	202.4	189.7	12.79	15.830		
2,000.0	2,000.0	1,973.4	1,968.0	6.9	6.8	80.81	34.3	211.8	216.6	203.1	13.52	16.026		
2,100.0	2,100.0	2,073.9	2,067.6	7.3	7.2	80.00	39.6	224.7	230.1	215.9	14.25	16.154		
2,200.0	2,200.0	2,173.7	2,166.5	7.7	7.6	79.15	45.4	236.9	243.2	228.3	14.97	16.248		
2,300.0	2,300.0	2,273.5	2,265.4	8.0	8.0	78.15	52.1	248.6	256.1	240.4	15.69	16.318		
2,400.0	2,400.0	2,366.6	2,357.4	8.4	8.4	77.33	58.6	260.5	270.1	253.8	16.36	16.516		
2,500.0	2,500.0	2,460.5	2,450.1	8.7	8.8	76.73	64.7	274.6	286.1	269.1	17.02	16.810		
2,600.0	2,600.0	2,561.9	2,550.1	9.1	9.2	13.76	70.8	290.1	301.6	283.8	17.76	16.980		
2,700.0	2,700.0	2,663.7	2,650.6	9.4	9.6	13.52	76.3	305.0	314.6	296.1	18.50	17.003		
2,800.0	2,799.9	2,765.5	2,751.3	9.8	10.1	13.42	81.3	319.1	325.0	305.8	19.24	16.897		
2,900.0	2,899.7	2,864.9	2,849.7	10.1	10.5	13.42	86.0	332.4	333.2	313.3	19.95	16.703		
3,000.0	2,999.4	2,959.5	2,943.3	10.5	10.9	13.54	90.4	346.1	340.8	320.2	20.62	16.527		
3,100.0	3,098.9	3,058.2	3,040.5	10.8	11.3	13.79	94.9	361.6	347.9	326.6	21.33	16.314		
3,200.0	3,198.3	3,164.5	3,145.7	11.2	11.7	14.12	99.4	377.3	352.3	330.2	22.11	15.930		
3,300.0	3,297.4	3,265.2	3,245.3	11.6	12.2	14.50	103.4	390.7	353.5	330.7	22.84	15.476		
3,400.0	3,396.4	3,361.1	3,340.2	11.9	12.6	14.89	107.6	404.3	354.8	331.3	23.53	15.079		
3,500.0	3,495.5	3,460.8	3,438.7	12.3	13.0	15.28	112.0	419.1	356.9	332.7	24.26	14.716		
3,600.0	3,594.5	3,563.3	3,540.0	12.7	13.4	15.76	116.0	434.0	358.5	333.5	25.01	14.336		
3,700.0	3,693.5	3,661.9	3,637.5	13.1	13.8	16.31	119.2	448.1	359.8	334.1	25.73	13.987		
3,800.0	3,792.5	3,758.9	3,733.4	13.4	14.3	16.93	122.0	462.8	361.9	335.5	26.43	13.694		
3,900.0	3,891.6	3,863.3	3,836.5	13.8	14.7	17.46	125.8	478.4	364.1	336.9	27.21	13.381		
4,000.0	3,990.6	3,970.2	3,942.3	14.2	15.1	17.35	133.4	491.9	364.4	336.4	28.00	13.016		
4,100.0	4,089.6	4,073.1	4,044.2	14.6	15.6	16.91	142.5	503.1	363.4	334.7	28.75	12.640		
4,200.0	4,188.6	4,176.0	4,146.2	15.0	16.0	16.53	151.2	513.5	361.7	332.2	29.50	12.259		
4,300.0	4,287.7	4,276.5	4,245.8	15.4	16.4	16.19	159.3	523.4	359.5	329.2	30.23	11.889		
4,400.0	4,386.7	4,377.1	4,345.6	15.8	16.8	15.88	167.2	533.1	357.1	326.1	30.97	11.530		
4,500.0	4,485.7	4,477.3	4,445.1	16.2	17.2	15.62	174.7	542.7	354.6	322.9	31.70	11.185		
4,600.0	4,584.8	4,576.3	4,543.4	16.6	17.6	15.45	181.6	552.3	352.1	319.6	32.43	10.857		
4,700.0	4,683.8	4,673.0	4,639.4	17.0	18.0	15.30	188.3	562.3	350.3	317.1	33.14	10.571		
4,800.0	4,782.8	4,770.3	4,735.8	17.3	18.4	15.19	195.1	573.3	349.4	315.5	33.85	10.322		
4,900.0	4,881.8	4,868.5	4,833.0	17.7	18.8	15.10	201.9	585.1	349.1	314.5	34.57	10.098		
4,905.4	4,887.2	4,873.8	4,838.3	17.8	18.8	15.09	202.2	585.7	349.1	314.5	34.61	10.087		
5,000.0	4,980.9	4,968.5	4,932.1	18.1	19.2	15.03	208.7	597.4	349.2	313.9	35.31	9.890		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #218H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,079.9	5,070.8	5,033.4	18.5	19.6	14.93	215.8	609.6	348.8	312.7	36.06	9.672		
5,200.0	5,178.9	5,171.5	5,133.2	18.9	20.0	14.81	222.8	621.0	347.9	311.1	36.81	9.453		
5,300.0	5,277.9	5,271.1	5,231.9	19.3	20.4	14.69	229.7	632.3	347.1	309.5	37.54	9.245		
5,390.9	5,368.0	5,359.3	5,319.3	19.7	20.8	14.57	236.0	642.6	346.6	308.4	38.19	9.077		
5,400.0	5,377.0	5,368.0	5,327.9	19.7	20.8	14.56	236.6	643.6	346.6	308.4	38.25	9.062		
5,500.0	5,476.0	5,463.8	5,422.7	20.1	21.2	14.38	244.0	655.9	347.3	308.4	38.95	8.918		
5,600.0	5,575.0	5,563.5	5,521.1	20.6	21.7	14.20	251.8	669.4	348.8	309.2	39.69	8.790		
5,700.0	5,674.0	5,664.5	5,620.9	21.0	22.1	14.13	259.0	683.0	350.1	309.7	40.44	8.658		
5,800.0	5,773.1	5,772.5	5,727.9	21.4	22.5	14.28	265.1	696.6	350.2	309.0	41.25	8.490		
5,900.0	5,872.1	5,881.8	5,836.5	21.8	23.0	14.80	268.4	708.3	347.8	305.7	42.05	8.271		
6,000.0	5,971.1	5,994.5	5,948.9	22.2	23.4	15.47	270.3	716.8	342.1	299.3	42.81	7.990		
6,100.0	6,070.2	6,102.5	6,056.8	22.6	23.8	16.14	271.4	721.4	333.0	289.5	43.53	7.649		
6,200.0	6,169.2	6,204.8	6,159.0	23.0	24.1	17.13	270.5	724.7	322.6	278.4	44.25	7.291		
6,300.0	6,268.2	6,306.5	6,260.6	23.4	24.4	18.51	267.7	727.4	311.5	266.5	44.97	6.927		
6,400.0	6,367.2	6,407.9	6,362.0	23.8	24.8	20.09	264.2	729.4	299.8	254.1	45.69	6.561		
6,425.1	6,392.0	6,433.3	6,387.3	23.9	24.8	20.52	263.3	729.7	296.7	250.9	45.87	6.469		
6,500.0	6,466.4	6,508.1	6,462.1	24.2	25.1	21.73	260.4	730.7	288.3	241.9	46.42	6.210		
6,600.0	6,565.8	6,608.2	6,562.0	24.6	25.4	23.28	256.7	731.7	279.1	232.0	47.16	5.920		
6,700.0	6,665.5	6,707.7	6,661.5	25.0	25.7	24.71	253.0	732.6	272.4	224.5	47.89	5.688		
6,800.0	6,765.3	6,807.2	6,760.9	25.3	26.0	25.96	249.3	733.6	268.3	219.7	48.63	5.518		
6,900.0	6,865.3	6,907.6	6,861.3	25.7	26.3	27.04	245.5	734.5	266.6	217.2	49.34	5.403		
6,928.6	6,893.9	6,936.4	6,890.1	25.8	26.4	27.31	244.4	734.7	266.5	217.0	49.54	5.379		
6,958.4	6,923.6	6,966.3	6,919.9	25.9	26.5	90.09	243.2	734.9	266.6	216.8	49.75	5.359		
7,000.0	6,965.3	7,008.2	6,961.8	26.0	26.6	90.44	241.6	735.1	266.8	216.8	50.04	5.333		
7,100.0	7,065.3	7,108.0	7,061.5	26.4	26.9	91.24	237.8	735.7	267.5	216.7	50.74	5.271		
7,200.0	7,165.3	7,208.4	7,161.9	26.7	27.2	91.94	234.6	736.3	268.1	216.7	51.44	5.213		
7,300.0	7,265.3	7,312.4	7,265.8	27.0	27.5	92.58	231.6	735.9	267.9	215.8	52.09	5.143		
7,400.0	7,365.3	7,415.7	7,369.0	27.4	27.8	93.18	228.9	734.1	266.3	213.5	52.74	5.049		
7,500.0	7,465.3	7,517.0	7,470.3	27.7	28.1	93.81	226.1	731.4	263.8	210.4	53.40	4.940		
7,600.0	7,565.3	7,617.2	7,570.4	28.1	28.4	94.49	223.2	728.4	261.0	206.9	54.09	4.826		
7,700.0	7,665.3	7,715.9	7,669.0	28.4	28.7	95.06	220.8	725.8	258.5	203.8	54.79	4.719		
7,800.0	7,765.3	7,815.6	7,768.6	28.7	29.0	95.52	218.9	723.5	256.5	201.0	55.48	4.623		
7,900.0	7,865.3	7,916.1	7,869.1	29.1	29.3	96.04	216.9	721.1	254.3	198.1	56.16	4.528		
8,000.0	7,965.3	8,016.1	7,969.1	29.4	29.6	96.61	214.6	718.5	251.9	195.1	56.85	4.431		
8,100.0	8,065.3	8,115.9	8,068.8	29.8	29.9	97.18	212.4	715.9	249.6	192.1	57.54	4.338		
8,200.0	8,165.3	8,214.4	8,167.3	30.1	30.2	97.71	210.4	713.6	247.6	189.4	58.26	4.251		
8,300.0	8,265.3	8,312.5	8,265.4	30.4	30.5	98.15	208.7	712.2	246.4	187.4	58.97	4.178		
8,400.0	8,365.3	8,412.3	8,365.1	30.8	30.8	98.39	207.8	711.3	245.7	186.0	59.66	4.117		
8,500.0	8,465.3	8,512.4	8,465.2	31.1	31.1	98.23	208.6	710.6	244.9	184.5	60.33	4.059		
8,600.0	8,565.3	8,613.0	8,565.8	31.5	31.5	97.84	210.4	709.9	244.0	183.0	61.00	4.000		
8,700.0	8,665.3	8,713.7	8,666.5	31.8	31.8	97.49	212.0	709.0	242.8	181.1	61.66	3.937		
8,800.0	8,765.3	8,814.6	8,767.3	32.2	32.1	97.04	214.0	707.7	241.2	178.9	62.32	3.871		
8,900.0	8,865.3	8,915.4	8,868.1	32.5	32.4	96.38	217.0	706.1	239.4	176.4	62.97	3.801		
9,000.0	8,965.3	9,015.2	8,967.8	32.8	32.8	95.75	219.8	704.5	237.4	173.8	63.64	3.731		
9,100.0	9,065.3	9,115.0	9,067.6	33.2	33.1	95.27	222.0	702.8	235.5	171.2	64.32	3.662		
9,200.0	9,165.3	9,214.4	9,167.0	33.5	33.4	94.91	223.6	701.2	233.8	168.8	65.00	3.597		
9,300.0	9,265.3	9,314.0	9,266.6	33.9	33.7	94.64	224.8	699.8	232.3	166.6	65.68	3.537		
9,400.0	9,365.3	9,413.7	9,366.3	34.2	34.1	94.33	226.2	698.5	230.9	164.6	66.36	3.480		
9,500.0	9,465.3	9,513.5	9,466.1	34.6	34.4	93.93	227.9	697.4	229.7	162.6	67.04	3.426		
9,600.0	9,565.3	9,613.4	9,565.9	34.9	34.7	93.55	229.5	696.3	228.5	160.8	67.72	3.374		
9,700.0	9,665.3	9,713.0	9,665.5	35.3	35.0	93.19	231.0	695.3	227.4	159.0	68.41	3.324		
9,800.0	9,765.3	9,812.3	9,764.8	35.6	35.4	92.66	233.1	694.6	226.6	157.5	69.10	3.279		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,900.0	9,865.3	9,912.3	9,864.7	36.0	35.7	92.01	235.7	694.1	226.0	156.2	69.78	3.238		
10,000.0	9,965.3	10,012.7	9,965.2	36.3	36.0	91.47	237.8	693.4	225.2	154.8	70.45	3.197		
10,070.7	10,036.0	10,083.4	10,035.8	36.5	36.3	91.18	239.0	692.8	224.6	153.7	70.94	3.166		
10,089.3	10,054.6	10,101.9	10,054.3	36.6	36.3	-103.87	239.3	692.7	224.5	153.5	71.06	3.160		
10,100.0	10,065.2	10,112.5	10,064.9	36.6	36.4	-104.01	239.4	692.6	224.6	153.4	71.13	3.157		
10,150.0	10,115.0	10,162.1	10,114.5	36.8	36.5	-105.23	240.0	692.3	225.4	154.0	71.42	3.156 SF		
10,200.0	10,164.2	10,211.0	10,163.4	36.9	36.7	-107.28	240.4	692.0	227.7	156.0	71.68	3.176		
10,250.0	10,212.3	10,259.0	10,211.4	37.1	36.9	-109.99	240.7	691.7	231.8	159.9	71.91	3.224		
10,300.0	10,259.2	10,305.7	10,258.1	37.2	37.0	-113.15	240.9	691.5	238.4	166.3	72.14	3.305		
10,350.0	10,304.3	10,350.8	10,303.2	37.3	37.2	-116.51	241.1	691.3	248.0	175.6	72.37	3.427		
10,400.0	10,347.4	10,393.9	10,346.3	37.4	37.3	-119.82	241.1	691.1	261.2	188.6	72.61	3.597		
10,450.0	10,388.2	10,434.8	10,387.2	37.4	37.4	-122.83	241.0	691.0	278.4	205.5	72.88	3.820		
10,500.0	10,426.2	10,473.0	10,425.4	37.5	37.6	-125.37	240.9	690.9	299.8	226.6	73.16	4.097		
10,550.0	10,461.3	10,508.4	10,460.8	37.6	37.7	-127.29	240.8	690.7	325.3	251.9	73.45	4.429		
10,600.0	10,493.1	10,540.6	10,492.9	37.6	37.8	-128.48	240.7	690.7	354.9	281.2	73.73	4.814		
10,650.0	10,521.5	10,569.3	10,521.7	37.6	37.9	-128.80	240.6	690.6	388.3	314.3	74.00	5.247		
10,700.0	10,546.2	10,594.4	10,546.8	37.7	38.0	-128.10	240.4	690.5	425.0	350.7	74.24	5.724		
10,750.0	10,567.0	10,615.7	10,568.1	37.7	38.0	-126.16	240.3	690.4	464.6	390.1	74.45	6.240		
10,800.0	10,583.7	10,632.9	10,585.3	37.7	38.1	-122.64	240.2	690.4	506.7	432.0	74.63	6.789		
10,850.0	10,596.3	10,646.0	10,598.4	37.7	38.1	-117.05	240.1	690.3	550.7	475.9	74.78	7.365		
10,900.0	10,604.6	10,654.8	10,607.2	37.7	38.2	-108.72	240.0	690.3	596.3	521.4	74.90	7.962		
10,950.0	10,608.6	10,659.2	10,611.6	37.8	38.2	-97.12	240.0	690.3	643.0	568.0	74.99	8.574		
10,970.7	10,609.0	10,659.7	10,612.1	37.9	38.2	-91.37	240.0	690.3	662.6	587.6	75.02	8.832		
11,000.0	10,609.0	10,660.0	10,612.4	37.9	38.2	-91.39	240.0	690.3	690.3	615.2	75.06	9.196		
11,100.0	10,609.0	10,660.7	10,613.1	38.2	38.2	-91.43	240.0	690.3	785.1	709.9	75.19	10.442		
11,200.0	10,609.0	10,661.5	10,613.9	38.6	38.2	-91.45	240.0	690.3	880.1	804.8	75.30	11.688		
11,300.0	10,609.0	10,662.3	10,614.6	39.0	38.2	-91.44	240.0	690.3	975.1	899.7	75.41	12.931		
11,400.0	10,609.0	10,663.0	10,615.4	39.5	38.2	-91.43	240.0	690.3	1,070.0	994.5	75.51	14.171		
11,500.0	10,609.0	10,663.7	10,616.1	40.1	38.2	-91.40	240.0	690.3	1,164.8	1,089.2	75.60	15.407		
11,600.0	10,609.0	12,498.5	11,630.2	40.7	44.7	-149.75	-922.7	824.5	1,185.0	1,135.1	49.91	23.741		
11,700.0	10,609.0	12,581.3	11,629.5	41.3	45.3	-149.43	-1,005.4	828.7	1,187.9	1,136.9	51.01	23.286		
11,739.3	10,609.0	12,616.6	11,629.0	41.6	45.5	-149.31	-1,040.5	831.2	1,188.8	1,137.3	51.48	23.095		
11,800.0	10,609.0	12,673.1	11,628.2	42.0	46.0	-149.13	-1,096.9	835.6	1,190.2	1,138.0	52.22	22.795		
11,900.0	10,609.0	12,803.6	11,626.4	42.8	47.0	-148.85	-1,227.1	842.2	1,191.1	1,137.6	53.58	22.232		
12,000.0	10,609.0	12,917.5	11,623.9	43.6	47.9	-148.68	-1,341.0	845.8	1,190.5	1,135.6	54.89	21.688		
12,098.8	10,609.0	13,001.3	11,621.6	44.5	48.6	-148.54	-1,424.7	848.5	1,189.5	1,133.3	56.13	21.193		
12,100.0	10,609.0	13,002.1	11,621.5	44.5	48.6	-148.54	-1,425.5	848.5	1,189.5	1,133.3	56.14	21.187		
12,200.0	10,609.0	13,093.3	11,620.4	45.4	49.5	-148.36	-1,516.6	852.9	1,190.4	1,132.9	57.51	20.700		
12,300.0	10,609.0	13,216.2	11,619.9	46.3	50.6	-148.33	-1,639.5	854.2	1,190.2	1,131.3	58.91	20.203		
12,329.2	10,609.0	13,251.8	11,619.3	46.6	50.9	-148.32	-1,675.1	854.4	1,189.8	1,130.4	59.34	20.051		
12,400.0	10,609.0	13,271.3	11,619.8	47.3	51.1	-148.32	-1,694.6	854.8	1,190.5	1,130.4	60.11	19.807		
12,500.0	10,609.0	12,500.0	11,623.7	48.3	43.9	-148.36	-1,785.9	857.2	1,195.0	1,139.5	55.47	21.542		
12,600.0	10,609.0	13,487.2	11,625.2	49.4	53.3	-148.36	-1,910.3	859.1	1,196.1	1,133.2	62.97	18.996		
12,700.0	10,609.0	13,625.0	11,624.1	50.4	54.8	-148.30	-2,048.0	860.9	1,195.7	1,131.0	64.67	18.489		
12,757.6	10,609.0	13,660.4	11,623.5	51.1	55.2	-148.27	-2,083.4	861.6	1,195.2	1,129.7	65.48	18.253		
12,800.0	10,609.0	13,694.0	11,623.3	51.6	55.5	-148.23	-2,117.0	862.8	1,195.5	1,129.4	66.13	18.079		
12,900.0	10,609.0	13,753.9	11,623.3	52.7	56.2	-148.09	-2,176.7	866.7	1,198.2	1,130.5	67.67	17.706		
13,000.0	10,609.0	13,840.5	11,623.1	53.9	57.2	-147.74	-2,262.9	875.9	1,203.2	1,133.7	69.58	17.292		
13,100.0	10,609.0	13,929.5	11,623.1	55.1	58.3	-147.38	-2,351.3	885.7	1,208.7	1,137.1	71.57	16.888		
13,200.0	10,609.0	14,000.5	11,623.6	56.3	59.2	-147.05	-2,421.8	894.7	1,215.8	1,142.4	73.49	16.545		
13,300.0	10,609.0	14,271.8	11,626.8	57.5	62.5	-146.79	-2,691.8	905.8	1,220.8	1,144.5	76.24	16.012		
13,400.0	10,609.0	13,400.0	11,626.7	58.8	52.4	-147.15	-2,805.0	897.5	1,216.5	1,147.2	69.26	17.563		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #218H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,500.0	10,609.0	14,549.3	11,618.5	60.1	65.8	-147.65	-2,967.8	881.0	1,205.8	1,126.7	79.10	15.244		
13,600.0	10,609.0	14,619.9	11,613.7	61.4	66.7	-147.79	-3,037.9	875.2	1,195.2	1,114.7	80.55	14.837		
13,700.0	10,609.0	14,691.8	11,609.4	62.7	67.6	-147.84	-3,109.6	871.7	1,187.0	1,104.9	82.13	14.452		
13,800.0	10,609.0	14,790.6	11,604.6	64.0	68.8	-147.91	-3,208.2	867.9	1,180.5	1,096.6	83.84	14.080		
13,900.0	10,609.0	14,856.5	11,602.0	65.4	69.7	-148.00	-3,274.0	864.7	1,174.4	1,089.0	85.39	13.752		
14,000.0	10,609.0	14,915.0	11,601.5	66.7	70.5	-148.02	-3,332.5	864.4	1,172.5	1,085.6	86.99	13.479		
14,006.7	10,609.0	14,915.0	11,601.5	66.8	70.5	-148.02	-3,332.5	864.4	1,172.5	1,085.4	87.08	13.465		
14,100.0	10,609.0	14,955.8	11,602.3	68.1	71.0	-148.00	-3,373.3	865.6	1,174.9	1,086.3	88.55	13.268		
14,200.0	10,609.0	15,011.0	11,604.8	69.5	71.8	-147.94	-3,428.3	869.0	1,181.4	1,091.2	90.21	13.096		
14,300.0	10,609.0	15,275.2	11,606.0	70.9	75.4	-148.03	-3,691.8	869.7	1,179.4	1,086.5	92.88	12.699		
14,400.0	10,609.0	15,335.2	11,603.5	72.3	76.2	-147.99	-3,751.8	869.7	1,175.5	1,080.8	94.65	12.419		
14,463.4	10,609.0	15,372.6	11,602.7	73.2	76.7	-147.95	-3,789.2	870.5	1,174.8	1,079.0	95.78	12.265		
14,500.0	10,609.0	15,390.0	11,602.6	73.7	76.9	-147.93	-3,806.6	871.0	1,175.0	1,078.6	96.40	12.189		
14,600.0	10,609.0	15,441.5	11,603.3	75.1	77.7	-147.86	-3,857.9	873.5	1,178.5	1,080.4	98.11	12.012		
14,700.0	10,609.0	15,492.9	11,605.8	76.5	78.4	-147.77	-3,909.1	877.8	1,186.5	1,086.7	99.81	11.888		
14,800.0	10,609.0	15,585.7	11,612.7	78.0	79.7	-147.67	-4,001.4	885.4	1,196.7	1,094.9	101.84	11.751		
14,900.0	10,609.0	15,927.0	11,613.5	79.4	84.6	-147.76	-4,341.8	886.5	1,195.7	1,090.7	104.98	11.390		
15,000.0	10,609.0	16,028.5	11,604.4	80.9	86.0	-147.69	-4,442.9	883.3	1,186.0	1,078.9	107.04	11.080		
15,100.0	10,609.0	16,108.4	11,597.8	82.4	87.2	-147.67	-4,522.4	880.3	1,176.7	1,067.7	108.99	10.796		
15,200.0	10,609.0	16,149.0	11,595.7	83.8	87.8	-147.71	-4,563.0	878.3	1,170.2	1,059.5	110.73	10.568		
15,296.2	10,609.0	16,208.1	11,595.3	85.3	88.6	-147.83	-4,622.0	875.6	1,167.6	1,055.3	112.28	10.399		
15,300.0	10,609.0	16,209.7	11,595.4	85.3	88.6	-147.84	-4,623.6	875.5	1,167.6	1,055.2	112.33	10.394		
15,400.0	10,609.0	16,272.2	11,599.2	86.8	89.5	-148.05	-4,685.9	873.3	1,170.1	1,056.3	113.75	10.286		
15,500.0	10,609.0	16,446.1	11,602.8	88.3	92.1	-148.35	-4,859.7	869.8	1,170.3	1,054.6	115.69	10.116		
15,600.0	10,609.0	16,523.6	11,602.1	89.8	93.2	-148.41	-4,937.2	868.6	1,168.4	1,050.9	117.49	9.944		
15,700.0	10,609.0	16,669.1	11,597.2	91.3	95.3	-148.39	-5,082.5	867.2	1,164.1	1,044.4	119.71	9.724		
15,800.0	10,609.0	16,833.1	11,586.4	92.8	97.8	-148.27	-5,246.1	864.7	1,157.8	1,035.8	121.99	9.491		
15,900.0	10,609.0	16,900.9	11,580.5	94.3	98.8	-148.21	-5,313.7	863.1	1,148.8	1,024.7	124.09	9.257		
16,000.0	10,609.0	16,992.4	11,574.4	95.8	100.1	-148.15	-5,404.9	861.4	1,141.6	1,015.4	126.20	9.046		
16,100.0	10,609.0	17,059.8	11,570.8	97.4	101.1	-148.12	-5,472.2	860.3	1,136.0	1,007.8	128.21	8.860		
16,200.0	10,609.0	17,123.6	11,569.3	98.9	102.1	-148.10	-5,536.0	860.4	1,133.5	1,003.4	130.14	8.710		
16,228.8	10,609.0	17,142.3	11,569.2	99.3	102.4	-148.10	-5,554.7	860.5	1,133.4	1,002.7	130.67	8.673		
16,300.0	10,609.0	17,195.0	11,569.9	100.4	103.2	-148.11	-5,607.4	861.1	1,134.2	1,002.2	131.99	8.593		
16,400.0	10,609.0	17,262.3	11,572.1	101.9	104.2	-148.14	-5,674.7	862.5	1,137.6	1,003.8	133.73	8.506		
16,500.0	10,609.0	17,421.8	11,574.8	103.5	106.6	-148.10	-5,834.0	866.3	1,140.0	1,003.7	136.30	8.364		
16,600.0	10,609.0	17,548.7	11,573.4	105.0	108.6	-148.15	-5,960.9	865.5	1,138.4	1,000.0	138.39	8.226		
16,700.0	10,609.0	17,636.0	11,571.1	106.6	109.9	-148.14	-6,048.2	864.9	1,135.4	995.0	140.41	8.086		
16,800.0	10,609.0	17,739.4	11,569.6	108.1	111.5	-148.12	-6,151.6	865.2	1,133.9	991.3	142.52	7.956		
16,900.0	10,609.0	17,829.1	11,566.2	109.7	112.8	-147.96	-6,241.2	867.5	1,131.7	986.8	144.87	7.812		
17,000.0	10,609.0	17,914.0	11,563.7	111.2	114.2	-147.76	-6,326.0	871.3	1,131.1	983.8	147.28	7.680		
17,001.2	10,609.0	17,915.0	11,563.7	111.2	114.2	-147.76	-6,327.0	871.4	1,131.1	983.8	147.31	7.678		
17,100.0	10,609.0	18,009.4	11,561.5	112.8	115.6	-147.52	-6,421.2	876.3	1,131.4	981.6	149.84	7.551		
17,200.0	10,609.0	18,098.5	11,560.0	114.3	117.0	-147.34	-6,510.1	880.4	1,132.1	979.8	152.26	7.435		
17,300.0	10,609.0	18,257.0	11,557.5	115.9	119.5	-147.10	-6,668.6	885.8	1,133.0	977.8	155.15	7.302		
17,400.0	10,609.0	18,329.6	11,555.8	117.5	120.6	-147.04	-6,741.2	886.5	1,130.9	973.6	157.29	7.190		
17,500.0	10,609.0	18,433.5	11,553.2	119.0	122.2	-146.92	-6,845.0	888.6	1,129.4	969.7	159.70	7.072		
17,541.1	10,609.0	18,455.4	11,552.7	119.7	122.6	-146.89	-6,866.8	889.2	1,129.1	968.5	160.56	7.032		
17,600.0	10,609.0	18,487.7	11,552.4	120.6	123.1	-146.83	-6,899.1	890.6	1,129.8	968.0	161.75	6.985		
17,700.0	10,609.0	18,558.0	11,553.6	122.2	124.2	-146.70	-6,969.3	895.0	1,133.9	970.0	163.89	6.919		
17,800.0	10,609.0	18,755.1	11,552.5	123.7	127.3	-146.58	-7,166.2	898.9	1,133.6	966.7	166.95	6.790		
17,900.0	10,609.0	18,820.9	11,551.4	125.3	128.3	-146.56	-7,232.0	899.2	1,131.9	962.8	169.02	6.696		
18,000.0	10,609.0	18,944.1	11,549.1	126.9	130.2	-146.57	-7,355.1	898.5	1,129.3	958.0	171.24	6.595		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #218H - Wellbore #1 - Wellbore #1													Offset Site Error:	0.0 usft
Survey Program: 216-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
18,100.0	10,609.0	19,078.2	11,545.2	128.5	132.3	-146.50	-7,489.1	898.5	1,126.9	953.3	173.57	6.492		
18,200.0	10,609.0	19,164.0	11,541.7	130.1	133.6	-146.55	-7,574.8	895.8	1,121.4	945.8	175.61	6.386		
18,300.0	10,609.0	19,242.1	11,539.8	131.6	134.8	-146.57	-7,652.9	894.6	1,118.0	940.4	177.67	6.293		
18,400.0	10,609.0	19,364.8	11,537.3	133.2	136.8	-146.59	-7,775.5	893.6	1,115.6	935.8	179.82	6.204		
18,500.0	10,609.0	19,449.8	11,535.0	134.8	138.1	-146.65	-7,860.5	891.3	1,111.5	929.7	181.79	6.114		
18,600.0	10,609.0	19,520.9	11,535.5	136.4	139.2	-146.80	-7,931.6	888.7	1,109.6	926.1	183.47	6.048		
18,618.2	10,609.0	19,533.3	11,535.8	136.7	139.4	-146.84	-7,944.0	888.2	1,109.5	925.8	183.74	6.038		
18,700.0	10,609.0	19,592.1	11,538.4	138.0	140.3	-147.03	-8,002.6	886.0	1,110.5	925.6	184.86	6.007		
18,800.0	10,609.0	19,675.5	11,543.4	139.6	141.6	-147.30	-8,085.8	883.6	1,113.5	927.3	186.14	5.982		
18,900.0	10,609.0	19,795.6	11,548.9	141.2	143.5	-147.60	-8,205.8	881.2	1,115.8	928.1	187.71	5.944		
19,000.0	10,609.0	19,884.5	11,552.5	142.8	144.9	-147.80	-8,294.5	879.7	1,117.9	928.6	189.23	5.907		
19,100.0	10,609.0	19,964.0	11,556.7	144.4	146.1	-147.94	-8,373.9	879.6	1,121.8	931.0	190.76	5.880		
19,200.0	10,609.0	20,086.1	11,561.3	146.0	148.1	-148.02	-8,496.0	881.7	1,125.5	932.5	192.94	5.833		
19,300.0	10,609.0	20,191.3	11,563.5	147.6	149.8	-148.06	-8,601.1	883.0	1,127.5	932.5	195.00	5.782		
19,400.0	10,609.0	20,302.7	11,566.5	149.2	151.5	-148.15	-8,712.5	883.7	1,129.7	932.7	196.99	5.735		
19,500.0	10,609.0	20,397.6	11,568.1	150.8	153.0	-148.22	-8,807.4	883.8	1,130.7	931.8	198.88	5.685		
19,600.0	10,609.0	20,521.6	11,570.0	152.4	155.0	-148.31	-8,931.3	884.1	1,131.8	930.9	200.95	5.632		
19,625.5	10,609.0	20,541.5	11,570.2	152.8	155.3	-148.32	-8,951.3	883.9	1,131.8	930.4	201.41	5.619		
19,700.0	10,609.0	20,601.9	11,571.0	154.0	156.3	-148.38	-9,011.7	883.7	1,132.2	929.5	202.74	5.585		
19,800.0	10,609.0	20,735.8	11,571.6	155.6	158.4	-148.45	-9,145.5	883.4	1,132.1	927.2	204.86	5.526		
19,900.0	10,609.0	20,836.2	11,570.1	157.2	160.0	-148.48	-9,246.0	882.6	1,130.0	923.1	206.90	5.462		
20,000.0	10,609.0	20,917.3	11,570.0	158.8	161.3	-148.54	-9,327.0	882.0	1,129.0	920.2	208.78	5.408		
20,004.9	10,609.0	20,921.0	11,570.0	158.9	161.3	-148.54	-9,330.8	882.0	1,129.0	920.1	208.87	5.405		
20,100.0	10,609.0	20,995.0	11,570.9	160.4	162.5	-148.56	-9,404.7	882.5	1,129.9	919.3	210.65	5.364		
20,200.0	10,609.0	21,139.6	11,572.0	162.0	164.8	-148.62	-9,549.3	883.2	1,130.7	917.8	212.90	5.311		
20,300.0	10,609.0	21,293.2	11,568.3	163.6	167.3	-148.87	-9,702.7	876.3	1,125.6	911.4	214.23	5.254		
20,400.0	10,609.0	21,351.0	11,567.1	165.2	168.2	-148.97	-9,760.4	873.9	1,121.0	904.9	216.13	5.187		
20,500.0	10,609.0	21,432.3	11,566.1	166.8	169.5	-149.01	-9,841.7	873.0	1,119.0	900.9	218.06	5.132		
20,600.0	10,609.0	21,520.2	11,565.2	168.4	170.9	-148.98	-9,929.5	873.8	1,118.1	897.9	220.19	5.078		
20,627.8	10,609.0	21,544.4	11,565.1	168.9	171.3	-148.98	-9,953.8	874.1	1,118.1	897.3	220.79	5.064		
20,700.0	10,609.0	21,586.0	11,565.3	170.0	171.9	-148.96	-9,995.4	874.8	1,118.9	896.8	222.09	5.038		
20,800.0	10,609.0	21,632.2	11,567.3	171.7	172.7	-148.96	-10,041.5	876.5	1,124.0	900.6	223.42	5.031		
20,900.0	10,609.0	21,753.1	11,575.8	173.3	174.6	-148.98	-10,161.9	882.2	1,132.3	906.5	225.85	5.014		
21,000.0	10,609.0	21,000.0	11,581.3	174.9	162.5	-148.96	-10,316.5	887.1	1,137.1	918.1	219.05	5.191		
21,100.0	10,609.0	22,036.0	11,576.1	176.5	179.2	-148.70	-10,444.3	891.1	1,134.4	902.6	231.80	4.894		
21,182.2	10,609.0	22,099.8	11,574.1	177.8	180.2	-148.53	-10,508.0	894.3	1,133.9	899.9	234.01	4.845		
21,200.0	10,609.0	22,114.8	11,573.7	178.1	180.5	-148.49	-10,522.9	895.2	1,133.9	899.4	234.52	4.835		
21,300.0	10,609.0	22,192.6	11,572.6	179.7	181.7	-148.31	-10,600.7	899.4	1,135.1	898.0	237.06	4.788		
21,400.0	10,609.0	22,292.7	11,574.6	181.3	183.3	-148.28	-10,700.7	902.0	1,137.8	898.5	239.28	4.755		
21,500.0	10,609.0	22,410.0	11,577.1	183.0	185.2	-148.38	-10,817.9	902.1	1,139.2	897.9	241.25	4.722		
21,600.0	10,609.0	22,581.0	11,573.9	184.6	188.0	-148.47	-10,988.8	899.5	1,136.1	892.9	243.22	4.671		
21,700.0	10,609.0	22,650.1	11,571.7	186.2	189.1	-148.54	-11,057.9	897.1	1,131.4	886.2	245.17	4.615		
21,761.8	10,609.0	22,683.5	11,571.8	187.2	189.6	-148.60	-11,091.2	896.1	1,130.4	884.2	246.21	4.591		
21,800.0	10,609.0	22,707.4	11,572.4	187.8	190.0	-148.65	-11,115.2	895.6	1,130.6	883.8	246.76	4.582		
21,900.0	10,609.0	22,805.0	11,574.5	189.4	191.5	-148.77	-11,212.8	894.9	1,131.6	883.1	248.46	4.554		
22,000.0	10,609.0	22,929.6	11,575.3	191.1	193.6	-148.74	-11,337.3	897.1	1,132.9	882.0	250.87	4.516		
22,100.0	10,609.0	23,045.4	11,570.7	192.7	195.4	-148.61	-11,453.0	898.2	1,129.3	875.8	253.50	4.455		
22,200.0	10,609.0	23,135.5	11,570.2	194.3	196.9	-148.66	-11,543.1	897.4	1,127.9	872.4	255.43	4.416		
22,300.0	10,609.0	23,333.0	11,560.9	195.9	200.0	-148.74	-11,740.1	891.6	1,121.7	864.9	256.76	4.369		
22,400.0	10,609.0	23,409.7	11,554.0	197.5	201.3	-148.71	-11,816.6	888.8	1,112.0	852.7	259.29	4.289		
22,500.0	10,609.0	23,471.8	11,550.0	199.2	202.3	-148.64	-11,878.5	888.3	1,105.6	843.7	261.90	4.221		
22,600.0	10,609.0	23,536.8	11,547.1	200.8	203.3	-148.53	-11,943.4	889.7	1,102.4	837.9	264.48	4.168		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #218H - Wellbore #1 - Wellbore #1												Offset Site Error:	0.0 usft
Survey Program: 216-MWD												Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
22,660.9	10,609.0	23,580.3	11,545.7	201.8	204.0	-148.41	-11,986.8	891.7	1,101.9	835.8	266.12	4.141	
22,700.0	10,609.0	23,609.6	11,544.9	202.4	204.5	-148.33	-12,016.0	893.4	1,102.1	834.9	267.19	4.125	
22,800.0	10,609.0	23,746.8	11,541.0	204.0	206.7	-147.91	-12,153.0	901.5	1,102.7	831.6	271.06	4.068	
22,845.4	10,609.0	23,765.1	11,540.4	204.8	207.0	-147.87	-12,171.2	902.3	1,102.2	830.1	272.13	4.050	
22,900.0	10,609.0	23,792.2	11,539.9	205.7	207.5	-147.80	-12,198.3	903.9	1,102.9	829.6	273.33	4.035	
23,000.0	10,609.0	23,847.7	11,540.9	207.3	208.4	-147.66	-12,253.6	908.0	1,107.6	832.4	275.28	4.024	
23,100.0	10,609.0	23,895.0	11,542.4	208.9	209.2	-147.56	-12,300.7	911.7	1,115.4	838.9	276.51	4.034	
23,112.4	10,609.0	23,895.0	11,542.4	209.1	209.2	-147.56	-12,300.7	911.7	1,116.9	840.5	276.38	4.041	
23,112.9	10,609.0	23,895.0	11,542.4	209.1	209.2	-147.56	-12,300.7	911.7	1,116.9	840.4	276.54	4.039	

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.0	-1.0	0.0	0.0	-0.29	29.9	-0.2	29.9					
100.0	100.0	101.0	99.0	0.1	0.1	-0.29	29.9	-0.2	29.9	29.7	0.26	115.202		
200.0	200.0	201.0	199.0	0.5	0.5	-0.29	29.9	-0.2	29.9	29.0	0.98	30.650		
300.0	300.0	301.0	299.0	0.8	0.8	-0.29	29.9	-0.2	29.9	28.2	1.69	17.676		
400.0	400.0	401.0	399.0	1.2	1.2	-0.29	29.9	-0.2	29.9	27.5	2.41	12.420		
500.0	500.0	501.0	499.0	1.6	1.6	-0.29	29.9	-0.2	29.9	26.8	3.13	9.573		
600.0	600.0	601.0	599.0	1.9	1.9	-0.29	29.9	-0.2	29.9	26.1	3.84	7.788		
700.0	700.0	701.0	699.0	2.3	2.3	-0.29	29.9	-0.2	29.9	25.4	4.56	6.564		
800.0	800.0	801.0	799.0	2.6	2.6	-0.29	29.9	-0.2	29.9	24.7	5.28	5.672		
900.0	900.0	901.0	899.0	3.0	3.0	-0.29	29.9	-0.2	29.9	23.9	6.00	4.994		
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-0.29	29.9	-0.2	29.9	23.2	6.71	4.460		
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-0.29	29.9	-0.2	29.9	22.5	7.43	4.030		
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-0.29	29.9	-0.2	29.9	21.8	8.15	3.675		
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-0.29	29.9	-0.2	29.9	21.1	8.86	3.378		
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-0.29	29.9	-0.2	29.9	20.4	9.58	3.125		
1,500.0	1,500.0	1,501.0	1,499.0	5.1	5.2	-0.29	29.9	-0.2	29.9	19.6	10.30	2.908		
1,600.0	1,600.0	1,601.0	1,599.0	5.5	5.5	-0.29	29.9	-0.2	29.9	18.9	11.01	2.718		
1,700.0	1,700.0	1,701.0	1,699.0	5.9	5.9	-0.29	29.9	-0.2	29.9	18.2	11.73	2.552		
1,800.0	1,800.0	1,801.0	1,799.0	6.2	6.2	-0.29	29.9	-0.2	29.9	17.5	12.45	2.405		
1,900.0	1,900.0	1,901.0	1,899.0	6.6	6.6	-0.29	29.9	-0.2	29.9	16.8	13.16	2.274		
2,000.0	2,000.0	2,001.0	1,999.0	6.9	6.9	-0.29	29.9	-0.2	29.9	16.1	13.88	2.157		
2,100.0	2,100.0	2,101.0	2,099.0	7.3	7.3	-0.29	29.9	-0.2	29.9	15.3	14.60	2.051		
2,200.0	2,200.0	2,201.0	2,199.0	7.7	7.7	-0.29	29.9	-0.2	29.9	14.6	15.32	1.955		
2,300.0	2,300.0	2,301.0	2,299.0	8.0	8.0	-0.29	29.9	-0.2	29.9	13.9	16.03	1.867		
2,400.0	2,400.0	2,401.0	2,399.0	8.4	8.4	-0.29	29.9	-0.2	29.9	13.2	16.75	1.788		
2,500.0	2,500.0	2,501.0	2,499.0	8.7	8.7	-0.29	29.9	-0.2	29.9	12.5	17.47	1.714		
2,600.0	2,600.0	2,601.0	2,599.0	9.1	9.1	-64.32	29.9	-0.2	29.6	11.4	18.18	1.626		
2,700.0	2,700.0	2,701.0	2,699.0	9.4	9.5	-69.07	29.9	-0.2	28.5	9.6	18.89	1.510		
2,800.0	2,799.9	2,801.1	2,798.9	9.8	9.8	-77.67	29.9	-0.2	27.3	7.7	19.60	1.391 Level 3		
2,896.0	2,895.7	2,905.3	2,894.7	10.1	10.2	-90.00	29.9	-0.2	26.6	6.3	20.31	1.311 Level 3, CC, ES, SF		
2,900.0	2,899.7	2,901.3	2,898.7	10.1	10.2	-90.59	29.9	-0.2	26.6	6.3	20.31	1.311 Level 3		
3,000.0	2,999.4	3,001.6	2,998.4	10.5	10.5	-106.90	29.9	-0.2	27.8	6.8	21.02	1.325 Level 3		
3,100.0	3,098.9	3,102.1	3,097.9	10.8	10.9	-123.47	29.9	-0.2	32.0	10.3	21.73	1.472 Level 3		
3,200.0	3,198.3	3,202.7	3,197.3	11.2	11.3	-137.25	29.9	-0.2	39.4	17.0	22.44	1.755		
3,300.0	3,297.4	3,303.6	3,296.4	11.6	11.6	-147.42	29.9	-0.2	49.8	26.6	23.15	2.151		
3,400.0	3,396.4	3,404.6	3,395.4	11.9	12.0	-154.35	29.9	-0.2	62.0	38.1	23.86	2.598		
3,500.0	3,495.5	3,505.5	3,494.5	12.3	12.3	-158.96	29.9	-0.2	74.8	50.2	24.58	3.044		
3,600.0	3,594.5	3,606.5	3,593.5	12.7	12.7	-162.21	29.9	-0.2	88.0	62.7	25.29	3.478		
3,700.0	3,693.5	3,707.5	3,692.5	13.1	13.1	-164.62	29.9	-0.2	101.3	75.3	26.00	3.896		
3,800.0	3,792.5	3,808.5	3,791.5	13.4	13.4	-166.46	29.9	-0.2	114.8	88.1	26.72	4.296		
3,900.0	3,891.6	3,909.4	3,890.6	13.8	13.8	-167.91	29.9	-0.2	128.4	100.9	27.44	4.679		
4,000.0	3,990.6	3,989.6	3,989.6	14.2	14.1	-169.09	29.9	-0.2	142.0	113.9	28.08	5.058		
4,100.0	4,089.6	4,090.4	4,090.4	14.6	14.4	-169.90	30.6	0.2	155.2	126.4	28.80	5.389		
4,200.0	4,188.6	4,191.8	4,191.8	15.0	14.8	-170.17	32.7	1.5	167.1	137.6	29.52	5.661		
4,300.0	4,287.7	4,293.5	4,293.4	15.4	15.2	-170.02	36.4	3.6	177.7	147.5	30.23	5.877		
4,400.0	4,386.7	4,395.5	4,395.2	15.8	15.5	-169.51	41.7	6.7	187.0	156.0	30.95	6.042		
4,500.0	4,485.7	4,497.6	4,497.0	16.2	15.9	-168.68	48.6	10.7	195.0	163.3	31.66	6.159		
4,600.0	4,584.8	4,599.9	4,598.8	16.6	16.2	-167.56	57.0	15.6	201.8	169.4	32.37	6.233		
4,700.0	4,683.8	4,702.2	4,700.4	17.0	16.6	-166.15	67.1	21.5	207.4	174.3	33.08	6.268		
4,800.0	4,782.8	4,804.4	4,801.8	17.3	17.0	-164.46	78.6	28.2	211.9	178.1	33.80	6.269		
4,900.0	4,881.8	4,904.0	4,900.4	17.7	17.3	-162.71	90.6	35.2	216.0	181.5	34.53	6.256		
5,000.0	4,980.9	5,003.7	4,999.2	18.1	17.7	-161.04	102.6	42.2	220.4	185.1	35.27	6.248		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,100.0	5,079.9	5,103.4	5,097.9	18.5	18.1	-159.43	114.6	49.2	224.9	188.9	36.01	6.245		
5,200.0	5,178.9	5,203.1	5,196.6	18.9	18.4	-157.88	126.6	56.2	229.6	192.8	36.76	6.246		
5,300.0	5,277.9	5,302.8	5,295.3	19.3	18.8	-156.40	138.6	63.2	234.5	197.0	37.51	6.251		
5,400.0	5,377.0	5,402.5	5,394.1	19.7	19.2	-154.97	150.6	70.2	239.5	201.2	38.26	6.259		
5,500.0	5,476.0	5,502.2	5,492.8	20.1	19.6	-153.61	162.5	77.2	244.6	205.6	39.02	6.269		
5,600.0	5,575.0	5,601.9	5,591.5	20.6	19.9	-152.30	174.5	84.1	249.9	210.1	39.78	6.282		
5,700.0	5,674.0	5,701.6	5,690.3	21.0	20.3	-151.05	186.5	91.1	255.3	214.8	40.54	6.298		
5,800.0	5,773.1	5,801.3	5,789.0	21.4	20.7	-149.85	198.5	98.1	260.8	219.5	41.31	6.315		
5,900.0	5,872.1	5,900.8	5,887.5	21.8	21.1	-148.70	210.5	105.1	266.5	224.4	42.08	6.333		
6,000.0	5,971.1	5,997.5	5,983.4	22.2	21.4	-147.90	220.9	111.2	272.9	230.0	42.84	6.370		
6,100.0	6,070.2	6,094.2	6,079.6	22.6	21.8	-147.60	229.2	116.0	280.4	236.8	43.58	6.433		
6,200.0	6,169.2	6,190.7	6,175.9	23.0	22.2	-147.74	235.3	119.6	289.0	244.7	44.30	6.522		
6,300.0	6,268.2	6,286.9	6,272.0	23.4	22.5	-148.30	239.4	122.0	298.7	253.7	45.01	6.636		
6,400.0	6,367.2	6,382.8	6,367.8	23.8	22.9	-149.23	241.4	123.1	309.5	263.8	45.69	6.774		
6,425.1	6,392.0	6,406.7	6,391.8	23.9	22.9	-149.51	241.6	123.2	312.4	266.6	45.86	6.813		
6,500.0	6,466.4	6,480.3	6,465.4	24.2	23.2	-150.43	241.6	123.3	320.8	274.5	46.38	6.917		
6,600.0	6,565.8	6,579.7	6,564.8	24.6	23.6	-151.41	241.6	123.3	330.2	283.1	47.08	7.013		
6,700.0	6,665.5	6,679.4	6,664.5	25.0	23.9	-152.12	241.6	123.3	337.3	289.5	47.78	7.059		
6,800.0	6,765.3	6,779.3	6,764.3	25.3	24.3	-152.58	241.6	123.3	342.1	293.6	48.49	7.056		
6,900.0	6,865.3	6,879.2	6,864.3	25.7	24.6	-152.81	241.6	123.3	344.6	295.4	49.19	7.006		
6,958.4	6,923.6	6,937.6	6,922.6	25.9	24.8	-90.33	241.6	123.3	345.0	295.4	49.60	6.956		
7,000.0	6,965.3	6,979.2	6,964.3	26.0	25.0	-90.33	241.6	123.3	345.0	295.1	49.89	6.916		
7,100.0	7,065.3	7,079.2	7,064.3	26.4	25.3	-90.33	241.6	123.3	345.0	294.4	50.59	6.820		
7,200.0	7,165.3	7,179.2	7,164.3	26.7	25.7	-90.33	241.6	123.3	345.0	293.7	51.29	6.727		
7,300.0	7,265.3	7,279.2	7,264.3	27.0	26.0	-90.33	241.6	123.3	345.0	293.0	52.00	6.636		
7,400.0	7,365.3	7,379.2	7,364.3	27.4	26.4	-90.33	241.6	123.3	345.0	292.3	52.70	6.547		
7,500.0	7,465.3	7,479.2	7,464.3	27.7	26.7	-90.33	241.6	123.3	345.0	291.6	53.40	6.461		
7,600.0	7,565.3	7,579.2	7,564.3	28.1	27.1	-90.33	241.6	123.3	345.0	290.9	54.10	6.377		
7,700.0	7,665.3	7,679.2	7,664.3	28.4	27.4	-90.33	241.6	123.3	345.0	290.2	54.81	6.295		
7,800.0	7,765.3	7,779.2	7,764.3	28.7	27.8	-90.33	241.6	123.3	345.0	289.5	55.51	6.216		
7,900.0	7,865.3	7,879.2	7,864.3	29.1	28.2	-90.33	241.6	123.3	345.0	288.8	56.22	6.138		
8,000.0	7,965.3	7,979.2	7,964.3	29.4	28.5	-90.33	241.6	123.3	345.0	288.1	56.92	6.062		
8,100.0	8,065.3	8,079.2	8,064.3	29.8	28.9	-90.33	241.6	123.3	345.0	287.4	57.62	5.988		
8,200.0	8,165.3	8,179.2	8,164.3	30.1	29.2	-90.33	241.6	123.3	345.0	286.7	58.33	5.915		
8,300.0	8,265.3	8,279.2	8,264.3	30.4	29.6	-90.33	241.6	123.3	345.0	286.0	59.03	5.845		
8,400.0	8,365.3	8,379.2	8,364.3	30.8	29.9	-90.33	241.6	123.3	345.0	285.3	59.74	5.775		
8,500.0	8,465.3	8,479.2	8,464.3	31.1	30.3	-90.33	241.6	123.3	345.0	284.6	60.45	5.708		
8,600.0	8,565.3	8,579.2	8,564.3	31.5	30.6	-90.33	241.6	123.3	345.0	283.9	61.15	5.642		
8,700.0	8,665.3	8,679.2	8,664.3	31.8	31.0	-90.33	241.6	123.3	345.0	283.2	61.86	5.578		
8,800.0	8,765.3	8,779.2	8,764.3	32.2	31.3	-90.33	241.6	123.3	345.0	282.5	62.57	5.515		
8,900.0	8,865.3	8,879.2	8,864.3	32.5	31.7	-90.33	241.6	123.3	345.0	281.8	63.27	5.453		
9,000.0	8,965.3	8,979.2	8,964.3	32.8	32.1	-90.33	241.6	123.3	345.0	281.1	63.98	5.393		
9,100.0	9,065.3	9,079.2	9,064.3	33.2	32.4	-90.33	241.6	123.3	345.0	280.3	64.69	5.334		
9,200.0	9,165.3	9,179.2	9,164.3	33.5	32.8	-90.33	241.6	123.3	345.0	279.6	65.39	5.276		
9,300.0	9,265.3	9,279.2	9,264.3	33.9	33.1	-90.33	241.6	123.3	345.0	278.9	66.10	5.220		
9,400.0	9,365.3	9,379.2	9,364.3	34.2	33.5	-90.33	241.6	123.3	345.0	278.2	66.81	5.164		
9,500.0	9,465.3	9,479.2	9,464.3	34.6	33.8	-90.33	241.6	123.3	345.0	277.5	67.52	5.110		
9,600.0	9,565.3	9,579.2	9,564.3	34.9	34.2	-90.33	241.6	123.3	345.0	276.8	68.23	5.057		
9,700.0	9,665.3	9,679.2	9,664.3	35.3	34.6	-90.33	241.6	123.3	345.0	276.1	68.93	5.005		
9,800.0	9,765.3	9,779.2	9,764.3	35.6	34.9	-90.33	241.6	123.3	345.0	275.4	69.64	4.954		
9,900.0	9,865.3	9,879.2	9,864.3	36.0	35.3	-90.33	241.6	123.3	345.0	274.7	70.35	4.904		
10,000.0	9,965.3	9,979.2	9,964.3	36.3	35.6	-90.33	241.6	123.3	345.0	274.0	71.06	4.855		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #224H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,070.7	10,036.0	10,050.0	10,035.0	36.5	35.9	-90.33	241.6	123.3	345.0	273.5	71.56	4.821		
10,100.0	10,065.2	10,079.2	10,064.2	36.6	36.0	74.91	241.6	123.3	344.8	273.1	71.77	4.805		
10,150.0	10,115.0	10,129.0	10,114.0	36.8	36.2	75.78	241.6	123.3	343.6	271.5	72.11	4.766		
10,200.0	10,164.2	10,178.1	10,163.2	36.9	36.3	77.43	241.6	123.3	341.5	269.1	72.45	4.714		
10,250.0	10,212.3	10,226.3	10,211.3	37.1	36.5	79.82	241.6	123.3	338.8	266.0	72.79	4.655		
10,300.0	10,259.2	10,273.2	10,258.2	37.2	36.7	82.84	241.6	123.3	336.0	262.9	73.12	4.595		
10,350.0	10,304.3	10,318.3	10,303.3	37.3	36.8	86.36	241.6	123.3	333.8	260.3	73.45	4.544		
10,397.5	10,345.3	10,359.3	10,344.3	37.4	37.0	90.00	241.6	123.3	332.9	259.2	73.76	4.514		
10,400.0	10,347.4	10,361.4	10,346.4	37.4	37.0	90.20	241.6	123.3	332.9	259.1	73.77	4.513		
10,450.0	10,388.2	10,402.1	10,387.2	37.4	37.1	94.11	241.6	123.3	334.3	260.2	74.09	4.512		
10,500.0	10,426.2	10,440.2	10,425.2	37.5	37.3	97.86	241.6	123.3	338.8	264.4	74.38	4.555		
10,550.0	10,461.3	10,475.3	10,460.3	37.6	37.4	101.20	241.6	123.3	347.1	272.5	74.65	4.650		
10,600.0	10,493.1	10,507.1	10,492.1	37.6	37.5	103.92	241.6	123.3	360.0	285.1	74.89	4.806		
10,650.0	10,521.5	10,535.5	10,520.5	37.6	37.6	105.85	241.6	123.3	377.5	302.4	75.10	5.027		
10,700.0	10,546.2	10,560.1	10,545.2	37.7	37.7	106.85	241.6	123.3	399.9	324.6	75.26	5.313		
10,750.0	10,567.0	10,580.9	10,566.0	37.7	37.8	106.77	241.6	123.3	426.7	351.4	75.38	5.661		
10,800.0	10,583.7	10,602.3	10,582.7	37.7	37.8	105.48	241.6	123.3	457.7	382.2	75.48	6.064		
10,850.0	10,596.3	10,610.2	10,595.3	37.7	37.9	102.83	241.6	123.3	492.1	416.6	75.51	6.518		
10,900.0	10,604.6	10,618.6	10,603.6	37.7	37.9	98.66	241.6	123.3	529.5	454.0	75.53	7.011		
10,950.0	10,608.6	10,622.5	10,607.6	37.8	37.9	92.87	241.6	123.3	569.1	493.6	75.52	7.536		
10,970.7	10,609.0	10,622.9	10,608.0	37.9	37.9	90.00	241.6	123.3	586.0	510.5	75.51	7.761		
11,000.0	10,609.0	10,622.9	10,608.0	37.9	37.9	90.00	241.6	123.3	610.4	534.9	75.50	8.086		
11,100.0	10,609.0	10,622.9	10,608.0	38.2	37.9	90.00	241.6	123.3	697.7	622.2	75.45	9.246		
11,200.0	10,609.0	10,622.9	10,608.0	38.6	37.9	90.00	241.6	123.3	789.3	713.9	75.42	10.465		
11,300.0	10,609.0	10,622.9	10,608.0	39.0	37.9	90.00	241.6	123.3	883.9	808.5	75.40	11.722		
11,400.0	10,609.0	10,622.9	10,608.0	39.5	37.9	90.00	241.6	123.3	980.4	905.0	75.39	13.005		
11,500.0	10,609.0	10,622.9	10,608.0	40.1	37.9	90.00	241.6	123.3	1,078.4	1,003.0	75.39	14.305		
11,600.0	10,609.0	10,622.9	10,608.0	40.7	37.9	90.00	241.6	123.3	1,177.2	1,101.8	75.39	15.616		
11,700.0	10,609.0	10,622.9	10,608.0	41.3	37.9	90.00	241.6	123.3	1,276.6	1,201.2	75.39	16.933		
11,739.3	10,609.0	10,622.9	10,608.0	41.6	37.9	90.00	241.6	123.3	1,315.8	1,240.4	75.39	17.452		
11,800.0	10,609.0	10,622.9	10,608.0	42.0	37.9	90.00	241.6	123.3	1,376.4	1,301.0	75.40	18.254		
11,900.0	10,609.0	10,622.9	10,608.0	42.8	37.9	90.00	241.6	123.3	1,476.2	1,400.7	75.41	19.575		
12,000.0	10,609.0	10,622.9	10,608.0	43.6	37.9	90.00	241.6	123.3	1,576.0	1,500.6	75.42	20.896		
12,100.0	10,609.0	10,622.9	10,608.0	44.5	37.9	90.00	241.6	123.3	1,675.8	1,600.4	75.43	22.216		
12,200.0	10,609.0	10,622.9	10,608.0	45.4	37.9	90.00	241.6	123.3	1,775.7	1,700.2	75.45	23.535		
12,300.0	10,609.0	10,622.9	10,608.0	46.3	37.9	90.00	241.6	123.3	1,875.6	1,800.1	75.46	24.854		
12,400.0	10,609.0	14,261.5	12,514.0	47.3	53.4	-179.97	-1,730.9	231.0	1,906.0	1,859.7	46.28	41.182		
12,500.0	10,609.0	14,361.5	12,514.0	48.3	54.4	-179.97	-1,830.9	231.8	1,906.0	1,858.7	47.33	40.273		
12,600.0	10,609.0	14,461.5	12,514.0	49.4	55.3	-179.97	-1,930.9	232.7	1,906.0	1,857.6	48.40	39.380		
12,700.0	10,609.0	14,561.5	12,514.0	50.4	56.3	-179.97	-2,030.9	233.5	1,906.0	1,856.5	49.50	38.506		
12,800.0	10,609.0	14,661.5	12,514.0	51.6	57.4	-179.97	-2,130.9	234.3	1,906.0	1,855.4	50.62	37.652		
12,900.0	10,609.0	14,761.5	12,514.0	52.7	58.4	-179.97	-2,230.9	235.1	1,906.0	1,854.2	51.77	36.819		
13,000.0	10,609.0	14,861.5	12,514.0	53.9	59.5	-179.98	-2,330.9	235.9	1,906.0	1,853.1	52.93	36.007		
13,100.0	10,609.0	14,961.5	12,514.0	55.1	60.6	-179.98	-2,430.9	236.7	1,906.0	1,851.9	54.12	35.217		
13,200.0	10,609.0	15,061.5	12,514.0	56.3	61.7	-179.98	-2,530.9	237.5	1,906.0	1,850.7	55.33	34.449		
13,300.0	10,609.0	15,161.5	12,514.0	57.5	62.9	-179.98	-2,630.9	238.4	1,906.0	1,849.4	56.55	33.704		
13,400.0	10,609.0	15,261.5	12,514.0	58.8	64.1	-179.98	-2,730.9	239.2	1,906.0	1,848.2	57.79	32.981		
13,500.0	10,609.0	15,361.5	12,514.0	60.1	65.3	-179.98	-2,830.9	240.0	1,906.0	1,847.0	59.05	32.279		
13,600.0	10,609.0	15,461.5	12,514.0	61.4	66.5	-179.98	-2,930.9	240.8	1,906.0	1,845.7	60.32	31.600		
13,700.0	10,609.0	15,561.5	12,514.0	62.7	67.7	-179.98	-3,030.9	241.6	1,906.0	1,844.4	61.60	30.941		
13,800.0	10,609.0	15,661.5	12,514.0	64.0	69.0	-179.98	-3,130.9	242.4	1,906.0	1,843.1	62.90	30.304		
13,900.0	10,609.0	15,761.5	12,514.0	65.4	70.3	-179.98	-3,230.9	243.2	1,906.0	1,841.8	64.21	29.686		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #224H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.0	10,609.0	15,861.5	12,514.0	66.7	71.5	-179.98	-3,330.9	244.1	1,906.0	1,840.5	65.52	29.088		
14,100.0	10,609.0	15,961.5	12,514.0	68.1	72.8	-179.98	-3,430.9	244.9	1,906.0	1,839.1	66.85	28.509		
14,200.0	10,609.0	16,061.5	12,514.0	69.5	74.2	-179.98	-3,530.9	245.7	1,906.0	1,837.8	68.20	27.949		
14,300.0	10,609.0	16,161.5	12,514.0	70.9	75.5	-179.98	-3,630.9	246.5	1,906.0	1,836.5	69.54	27.407		
14,400.0	10,609.0	16,261.5	12,514.0	72.3	76.8	-179.98	-3,730.9	247.3	1,906.0	1,835.1	70.90	26.882		
14,500.0	10,609.0	16,361.5	12,514.0	73.7	78.2	-179.98	-3,830.9	248.1	1,906.0	1,833.7	72.27	26.373		
14,600.0	10,609.0	16,461.5	12,514.0	75.1	79.5	-179.98	-3,930.9	249.0	1,906.0	1,832.4	73.65	25.881		
14,700.0	10,609.0	16,561.5	12,514.0	76.5	80.9	-179.98	-4,030.9	249.8	1,906.0	1,831.0	75.03	25.404		
14,800.0	10,609.0	16,661.5	12,514.0	78.0	82.3	-179.98	-4,130.9	250.6	1,906.0	1,829.6	76.42	24.942		
14,900.0	10,609.0	16,761.5	12,514.0	79.4	83.7	-179.98	-4,230.8	251.4	1,906.0	1,828.2	77.81	24.494		
15,000.0	10,609.0	16,861.5	12,514.0	80.9	85.1	-179.98	-4,330.8	252.2	1,906.0	1,826.8	79.22	24.060		
15,100.0	10,609.0	16,961.5	12,514.0	82.4	86.5	-179.98	-4,430.8	253.0	1,906.0	1,825.4	80.63	23.640		
15,200.0	10,609.0	17,061.5	12,514.0	83.8	87.9	-179.98	-4,530.8	253.8	1,906.0	1,824.0	82.04	23.232		
15,300.0	10,609.0	17,161.5	12,514.0	85.3	89.4	-179.98	-4,630.8	254.7	1,906.0	1,822.5	83.46	22.837		
15,400.0	10,609.0	17,261.5	12,514.0	86.8	90.8	-179.98	-4,730.8	255.5	1,906.0	1,821.1	84.89	22.453		
15,500.0	10,609.0	17,361.5	12,514.0	88.3	92.3	-179.98	-4,830.8	256.3	1,906.0	1,819.7	86.32	22.081		
15,600.0	10,609.0	17,461.5	12,514.0	89.8	93.7	-179.98	-4,930.8	257.1	1,906.0	1,818.2	87.75	21.720		
15,700.0	10,609.0	17,561.5	12,514.0	91.3	95.2	-179.98	-5,030.8	257.9	1,906.0	1,816.8	89.19	21.370		
15,800.0	10,609.0	17,661.5	12,514.0	92.8	96.6	-179.98	-5,130.8	258.7	1,906.0	1,815.4	90.64	21.029		
15,900.0	10,609.0	17,761.5	12,514.0	94.3	98.1	-179.98	-5,230.8	259.5	1,906.0	1,813.9	92.08	20.698		
16,000.0	10,609.0	17,861.5	12,514.0	95.8	99.6	-179.98	-5,330.8	260.4	1,906.0	1,812.5	93.54	20.377		
16,100.0	10,609.0	17,961.5	12,514.0	97.4	101.1	-179.98	-5,430.8	261.2	1,906.0	1,811.0	94.99	20.065		
16,200.0	10,609.0	18,061.5	12,514.0	98.9	102.5	-179.98	-5,530.8	262.0	1,906.0	1,809.6	96.45	19.761		
16,300.0	10,609.0	18,161.5	12,514.0	100.4	104.0	-179.98	-5,630.8	262.8	1,906.0	1,808.1	97.91	19.466		
16,400.0	10,609.0	18,261.5	12,514.0	101.9	105.5	-179.98	-5,730.8	263.6	1,906.0	1,806.6	99.38	19.179		
16,500.0	10,609.0	18,361.5	12,514.0	103.5	107.0	-179.98	-5,830.8	264.4	1,906.0	1,805.2	100.85	18.900		
16,600.0	10,609.0	18,461.5	12,514.0	105.0	108.5	-179.98	-5,930.8	265.2	1,906.0	1,803.7	102.32	18.628		
16,700.0	10,609.0	18,561.5	12,514.0	106.6	110.0	-179.98	-6,030.8	266.1	1,906.0	1,802.2	103.79	18.363		
16,800.0	10,609.0	18,661.5	12,514.0	108.1	111.6	-179.98	-6,130.8	266.9	1,906.0	1,800.7	105.27	18.106		
16,900.0	10,609.0	18,761.5	12,514.0	109.7	113.1	-179.98	-6,230.8	267.7	1,906.0	1,799.2	106.75	17.855		
17,000.0	10,609.0	18,861.5	12,514.0	111.2	114.6	-179.98	-6,330.8	268.5	1,906.0	1,797.8	108.23	17.610		
17,100.0	10,609.0	18,961.5	12,514.0	112.8	116.1	-179.99	-6,430.8	269.3	1,906.0	1,796.3	109.72	17.372		
17,200.0	10,609.0	19,061.5	12,514.0	114.3	117.7	-179.99	-6,530.8	270.1	1,906.0	1,794.8	111.21	17.139		
17,300.0	10,609.0	19,161.5	12,514.0	115.9	119.2	-179.99	-6,630.8	270.9	1,906.0	1,793.3	112.70	16.913		
17,400.0	10,609.0	19,261.5	12,514.0	117.5	120.7	-179.99	-6,730.8	271.8	1,906.0	1,791.8	114.19	16.692		
17,500.0	10,609.0	19,361.5	12,514.0	119.0	122.3	-179.99	-6,830.8	272.6	1,906.0	1,790.3	115.68	16.476		
17,600.0	10,609.0	19,461.5	12,514.0	120.6	123.8	-179.99	-6,930.8	273.4	1,906.0	1,788.8	117.18	16.266		
17,700.0	10,609.0	19,561.5	12,514.0	122.2	125.3	-179.99	-7,030.8	274.2	1,906.0	1,787.3	118.67	16.061		
17,800.0	10,609.0	19,661.5	12,514.0	123.7	126.9	-179.99	-7,130.8	275.0	1,906.0	1,785.8	120.17	15.860		
17,900.0	10,609.0	19,761.5	12,514.0	125.3	128.4	-179.99	-7,230.7	275.8	1,906.0	1,784.3	121.67	15.665		
18,000.0	10,609.0	19,861.5	12,514.0	126.9	130.0	-179.99	-7,330.7	276.6	1,906.0	1,782.8	123.18	15.474		
18,100.0	10,609.0	19,961.5	12,514.0	128.5	131.5	-179.99	-7,430.7	277.5	1,906.0	1,781.3	124.68	15.287		
18,200.0	10,609.0	20,061.5	12,514.0	130.1	133.1	-179.99	-7,530.7	278.3	1,906.0	1,779.8	126.19	15.105		
18,300.0	10,609.0	20,161.5	12,514.0	131.6	134.7	-179.99	-7,630.7	279.1	1,906.0	1,778.3	127.69	14.926		
18,400.0	10,609.0	20,261.5	12,514.0	133.2	136.2	-179.99	-7,730.7	279.9	1,906.0	1,776.8	129.20	14.752		
18,500.0	10,609.0	20,361.5	12,514.0	134.8	137.8	-179.99	-7,830.7	280.7	1,906.0	1,775.3	130.71	14.581		
18,600.0	10,609.0	20,461.5	12,514.0	136.4	139.3	-179.99	-7,930.7	281.5	1,906.0	1,773.8	132.23	14.415		
18,700.0	10,609.0	20,561.5	12,514.0	138.0	140.9	-179.99	-8,030.7	282.3	1,906.0	1,772.3	133.74	14.252		
18,800.0	10,609.0	20,661.5	12,514.0	139.6	142.5	-179.99	-8,130.7	283.2	1,906.0	1,770.7	135.25	14.092		
18,900.0	10,609.0	20,761.5	12,514.0	141.2	144.1	-179.99	-8,230.7	284.0	1,906.0	1,769.2	136.77	13.936		
19,000.0	10,609.0	20,861.5	12,514.0	142.8	145.6	-179.99	-8,330.7	284.8	1,906.0	1,767.7	138.29	13.783		
19,100.0	10,609.0	20,961.5	12,514.0	144.4	147.2	-179.99	-8,430.7	285.6	1,906.0	1,766.2	139.80	13.633		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #224H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,200.0	10,609.0	21,061.5	12,514.0	146.0	148.8	-179.99	-8,530.7	286.4	1,906.0	1,764.7	141.32	13.487		
19,300.0	10,609.0	21,161.5	12,514.0	147.6	150.4	-179.99	-8,630.7	287.2	1,906.0	1,763.2	142.84	13.343		
19,400.0	10,609.0	21,261.5	12,514.0	149.2	151.9	-179.99	-8,730.7	288.0	1,906.0	1,761.6	144.36	13.203		
19,500.0	10,609.0	21,361.5	12,514.0	150.8	153.5	-179.99	-8,830.7	288.9	1,906.0	1,760.1	145.89	13.065		
19,600.0	10,609.0	21,461.5	12,514.0	152.4	155.1	-179.99	-8,930.7	289.7	1,906.0	1,758.6	147.41	12.930		
19,700.0	10,609.0	21,561.5	12,514.0	154.0	156.7	-179.99	-9,030.7	290.5	1,906.0	1,757.1	148.93	12.798		
19,800.0	10,609.0	21,661.5	12,514.0	155.6	158.3	-179.99	-9,130.7	291.3	1,906.0	1,755.5	150.46	12.668		
19,900.0	10,609.0	21,761.5	12,514.0	157.2	159.9	-179.99	-9,230.7	292.1	1,906.0	1,754.0	151.99	12.541		
20,000.0	10,609.0	21,861.5	12,514.0	158.8	161.4	-179.99	-9,330.7	292.9	1,906.0	1,752.5	153.51	12.416		
20,100.0	10,609.0	21,961.5	12,514.0	160.4	163.0	-179.99	-9,430.7	293.7	1,906.0	1,751.0	155.04	12.294		
20,200.0	10,609.0	22,061.5	12,514.0	162.0	164.6	-179.99	-9,530.7	294.6	1,906.0	1,749.4	156.57	12.174		
20,300.0	10,609.0	22,161.5	12,514.0	163.6	166.2	-179.99	-9,630.7	295.4	1,906.0	1,747.9	158.10	12.056		
20,400.0	10,609.0	22,261.5	12,514.0	165.2	167.8	-179.99	-9,730.7	296.2	1,906.0	1,746.4	159.63	11.940		
20,500.0	10,609.0	22,361.5	12,514.0	166.8	169.4	-179.99	-9,830.7	297.0	1,906.0	1,744.8	161.16	11.827		
20,600.0	10,609.0	22,461.5	12,514.0	168.4	171.0	-179.99	-9,930.7	297.8	1,906.0	1,743.3	162.69	11.715		
20,700.0	10,609.0	22,561.5	12,514.0	170.0	172.6	-179.99	-10,030.7	298.6	1,906.0	1,741.8	164.22	11.606		
20,800.0	10,609.0	22,661.5	12,514.0	171.7	174.2	-179.99	-10,130.7	299.4	1,906.0	1,740.2	165.76	11.499		
20,900.0	10,609.0	22,761.5	12,514.0	173.3	175.8	-179.99	-10,230.7	300.3	1,906.0	1,738.7	167.29	11.393		
21,000.0	10,609.0	22,861.5	12,514.0	174.9	177.4	-179.99	-10,330.6	301.1	1,906.0	1,737.2	168.83	11.290		
21,100.0	10,609.0	22,961.5	12,514.0	176.5	179.0	-179.99	-10,430.6	301.9	1,906.0	1,735.6	170.36	11.188		
21,200.0	10,609.0	23,061.5	12,514.0	178.1	180.6	-180.00	-10,530.6	302.7	1,906.0	1,734.1	171.90	11.088		
21,300.0	10,609.0	23,161.5	12,514.0	179.7	182.2	-180.00	-10,630.6	303.5	1,906.0	1,732.6	173.43	10.990		
21,400.0	10,609.0	23,261.5	12,514.0	181.3	183.8	-180.00	-10,730.6	304.3	1,906.0	1,731.0	174.97	10.893		
21,500.0	10,609.0	23,361.5	12,514.0	183.0	185.4	-180.00	-10,830.6	305.1	1,906.0	1,729.5	176.51	10.798		
21,600.0	10,609.0	23,461.5	12,514.0	184.6	187.0	-180.00	-10,930.6	306.0	1,906.0	1,728.0	178.04	10.705		
21,700.0	10,609.0	23,561.5	12,514.0	186.2	188.6	-180.00	-11,030.6	306.8	1,906.0	1,726.4	179.58	10.613		
21,800.0	10,609.0	23,661.5	12,514.0	187.8	190.2	-180.00	-11,130.6	307.6	1,906.0	1,724.9	181.12	10.523		
21,900.0	10,609.0	23,761.5	12,514.0	189.4	191.8	-180.00	-11,230.6	308.4	1,906.0	1,723.3	182.66	10.435		
22,000.0	10,609.0	23,861.5	12,514.0	191.1	193.4	-180.00	-11,330.6	309.2	1,906.0	1,721.8	184.20	10.347		
22,100.0	10,609.0	23,961.5	12,514.0	192.7	195.0	-180.00	-11,430.6	310.0	1,906.0	1,720.3	185.74	10.262		
22,200.0	10,609.0	24,061.5	12,514.0	194.3	196.6	-180.00	-11,530.6	310.8	1,906.0	1,718.7	187.28	10.177		
22,300.0	10,609.0	24,161.5	12,514.0	195.9	198.3	-180.00	-11,630.6	311.7	1,906.0	1,717.2	188.83	10.094		
22,400.0	10,609.0	24,261.5	12,514.0	197.5	199.9	-180.00	-11,730.6	312.5	1,906.0	1,715.6	190.37	10.012		
22,500.0	10,609.0	24,361.5	12,514.0	199.2	201.5	-180.00	-11,830.6	313.3	1,906.0	1,714.1	191.91	9.932		
22,600.0	10,609.0	24,461.5	12,514.0	200.8	203.1	-180.00	-11,930.6	314.1	1,906.0	1,712.5	193.45	9.853		
22,700.0	10,609.0	24,561.5	12,514.0	202.4	204.7	-180.00	-12,030.6	314.9	1,906.0	1,711.0	195.00	9.775		
22,800.0	10,609.0	24,661.5	12,514.0	204.0	206.3	-180.00	-12,130.6	315.7	1,906.0	1,709.5	196.54	9.698		
22,900.0	10,609.0	24,761.5	12,514.0	205.7	207.9	-180.00	-12,230.6	316.5	1,906.0	1,707.9	198.08	9.622		
22,975.0	10,609.0	24,836.6	12,514.0	206.9	209.1	-180.00	-12,305.6	317.2	1,906.0	1,706.8	199.24	9.566		
23,000.0	10,609.0	24,833.3	12,514.0	207.3	209.1	-180.00	-12,302.3	317.1	1,906.2	1,706.9	199.27	9.566		
23,100.0	10,609.0	24,833.3	12,514.0	208.9	209.1	-180.00	-12,302.3	317.1	1,910.3	1,711.0	199.29	9.586		
23,112.4	10,609.0	24,833.3	12,514.0	209.1	209.1	-180.00	-12,302.3	317.1	1,911.2	1,711.9	199.26	9.591		
23,112.9	10,609.0	24,833.3	12,514.0	209.1	209.1	-180.00	-12,302.3	317.1	1,911.2	1,711.8	199.40	9.585		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.0	-1.0	0.0	0.0	-63.96	29.4	-60.3	67.1					
100.0	100.0	101.0	99.0	0.1	0.1	-63.96	29.4	-60.3	67.1	66.8	0.26	258.120		
200.0	200.0	201.0	199.0	0.5	0.5	-63.96	29.4	-60.3	67.1	66.1	0.98	68.674		
300.0	300.0	301.0	299.0	0.8	0.8	-63.96	29.4	-60.3	67.1	65.4	1.69	39.606		
400.0	400.0	401.0	399.0	1.2	1.2	-63.96	29.4	-60.3	67.1	64.7	2.41	27.827		
500.0	500.0	501.0	499.0	1.6	1.6	-63.96	29.4	-60.3	67.1	64.0	3.13	21.448		
600.0	600.0	601.0	599.0	1.9	1.9	-63.96	29.4	-60.3	67.1	63.2	3.84	17.449		
700.0	700.0	701.0	699.0	2.3	2.3	-63.96	29.4	-60.3	67.1	62.5	4.56	14.706		
800.0	800.0	801.0	799.0	2.6	2.6	-63.96	29.4	-60.3	67.1	61.8	5.28	12.709		
900.0	900.0	901.0	899.0	3.0	3.0	-63.96	29.4	-60.3	67.1	61.1	6.00	11.189		
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-63.96	29.4	-60.3	67.1	60.4	6.71	9.994		
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-63.96	29.4	-60.3	67.1	59.7	7.43	9.030		
1,200.0	1,200.0	1,201.0	1,199.0	4.1	4.1	-63.96	29.4	-60.3	67.1	58.9	8.15	8.235		
1,300.0	1,300.0	1,301.0	1,299.0	4.4	4.4	-63.96	29.4	-60.3	67.1	58.2	8.86	7.569		
1,400.0	1,400.0	1,401.0	1,399.0	4.8	4.8	-63.96	29.4	-60.3	67.1	57.5	9.58	7.002		
1,500.0	1,500.0	1,501.0	1,499.0	5.1	5.2	-63.96	29.4	-60.3	67.1	56.8	10.30	6.515		
1,600.0	1,600.0	1,601.0	1,599.0	5.5	5.5	-63.96	29.4	-60.3	67.1	56.1	11.01	6.091		
1,700.0	1,700.0	1,701.0	1,699.0	5.9	5.9	-63.96	29.4	-60.3	67.1	55.4	11.73	5.718		
1,800.0	1,800.0	1,801.0	1,799.0	6.2	6.2	-63.96	29.4	-60.3	67.1	54.6	12.45	5.389		
1,900.0	1,900.0	1,901.0	1,899.0	6.6	6.6	-63.96	29.4	-60.3	67.1	53.9	13.16	5.096		
2,000.0	2,000.0	2,001.0	1,999.0	6.9	6.9	-63.96	29.4	-60.3	67.1	53.2	13.88	4.832		
2,100.0	2,100.0	2,101.0	2,099.0	7.3	7.3	-63.96	29.4	-60.3	67.1	52.5	14.60	4.595		
2,200.0	2,200.0	2,201.0	2,199.0	7.7	7.7	-63.96	29.4	-60.3	67.1	51.8	15.32	4.380		
2,300.0	2,300.0	2,301.0	2,299.0	8.0	8.0	-63.96	29.4	-60.3	67.1	51.1	16.03	4.184		
2,400.0	2,400.0	2,401.0	2,399.0	8.4	8.4	-63.96	29.4	-60.3	67.1	50.3	16.75	4.005		
2,500.0	2,500.0	2,501.0	2,499.0	8.7	8.7	-63.96	29.4	-60.3	67.1	49.6	17.47	3.841		
2,600.0	2,600.0	2,601.0	2,599.0	9.1	9.1	-127.07	29.4	-60.3	67.6	49.4	18.18	3.719		
2,700.0	2,700.0	2,701.0	2,699.0	9.4	9.5	-128.78	29.4	-60.3	69.2	50.3	18.89	3.665		
2,800.0	2,799.9	2,801.1	2,798.9	9.8	9.8	-131.47	29.4	-60.3	72.0	52.4	19.59	3.676		
2,900.0	2,899.7	2,901.3	2,898.7	10.1	10.2	-134.87	29.4	-60.3	76.2	55.9	20.30	3.754		
3,000.0	2,999.4	3,001.6	2,998.4	10.5	10.5	-138.72	29.4	-60.3	81.9	60.9	21.01	3.899		
3,100.0	3,098.9	3,102.1	3,097.9	10.8	10.9	-142.73	29.4	-60.3	89.4	67.7	21.73	4.114		
3,200.0	3,198.3	3,202.7	3,197.3	11.2	11.3	-146.65	29.4	-60.3	98.6	76.2	22.44	4.396		
3,300.0	3,297.4	3,303.6	3,296.4	11.6	11.6	-150.34	29.4	-60.3	109.8	86.7	23.15	4.743		
3,400.0	3,396.4	3,404.6	3,395.4	11.9	12.0	-153.56	29.4	-60.3	122.1	98.3	23.86	5.117		
3,500.0	3,495.5	3,505.5	3,494.5	12.3	12.3	-156.19	29.4	-60.3	134.7	110.2	24.58	5.482		
3,600.0	3,594.5	3,606.5	3,593.5	12.7	12.7	-158.37	29.4	-60.3	147.6	122.3	25.29	5.836		
3,700.0	3,693.5	3,707.5	3,692.5	13.1	13.1	-160.20	29.4	-60.3	160.6	134.6	26.01	6.177		
3,800.0	3,792.5	3,808.5	3,791.5	13.4	13.4	-161.75	29.4	-60.3	173.8	147.1	26.72	6.504		
3,900.0	3,891.6	3,909.4	3,890.6	13.8	13.8	-163.09	29.4	-60.3	187.1	159.6	27.44	6.818		
4,000.0	3,990.6	3,989.6	3,989.6	14.2	14.1	-164.24	29.4	-60.3	200.5	172.4	28.08	7.138		
4,100.0	4,089.6	4,088.6	4,088.6	14.6	14.4	-165.26	29.4	-60.3	213.9	185.1	28.79	7.428		
4,200.0	4,188.6	4,187.6	4,187.6	15.0	14.8	-166.15	29.4	-60.3	227.4	197.9	29.51	7.707		
4,300.0	4,287.7	4,286.7	4,286.7	15.4	15.1	-166.94	29.4	-60.3	240.9	210.7	30.22	7.973		
4,400.0	4,386.7	4,385.7	4,385.7	15.8	15.5	-167.65	29.4	-60.3	254.5	223.6	30.93	8.229		
4,500.0	4,485.7	4,484.7	4,484.7	16.2	15.8	-168.28	29.4	-60.3	268.1	236.5	31.64	8.473		
4,600.0	4,584.8	4,583.8	4,583.8	16.6	16.2	-168.86	29.4	-60.3	281.8	249.4	32.36	8.708		
4,700.0	4,683.8	4,682.8	4,682.8	17.0	16.6	-169.38	29.4	-60.3	295.4	262.4	33.07	8.934		
4,800.0	4,782.8	4,781.8	4,781.8	17.3	16.9	-169.85	29.4	-60.3	309.1	275.4	33.79	9.150		
4,900.0	4,881.8	4,880.8	4,880.8	17.7	17.3	-170.29	29.4	-60.3	322.9	288.4	34.50	9.358		
5,000.0	4,980.9	4,979.9	4,979.9	18.1	17.6	-170.69	29.4	-60.3	336.6	301.4	35.22	9.558		
5,100.0	5,079.9	5,078.9	5,078.9	18.5	18.0	-171.06	29.4	-60.3	350.3	314.4	35.93	9.750		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #228H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.0	5,178.9	5,177.9	5,177.9	18.9	18.3	-171.40	29.4	-60.3	364.1	327.4	36.65	9.935		
5,300.0	5,277.9	5,276.9	5,276.9	19.3	18.7	-171.71	29.4	-60.3	377.9	340.5	37.36	10.113		
5,400.0	5,377.0	5,376.0	5,376.0	19.7	19.0	-172.01	29.4	-60.3	391.6	353.6	38.08	10.285		
5,500.0	5,476.0	5,475.0	5,475.0	20.1	19.4	-172.28	29.4	-60.3	405.4	366.6	38.80	10.450		
5,600.0	5,575.0	5,579.8	5,579.8	20.6	19.8	-172.56	29.6	-59.7	418.7	379.2	39.54	10.589		
5,700.0	5,674.0	5,687.1	5,687.0	21.0	20.1	-172.84	30.3	-57.3	430.2	389.9	40.28	10.679		
5,800.0	5,773.1	5,794.7	5,794.6	21.4	20.5	-173.13	31.5	-53.0	439.9	398.9	41.01	10.725		
5,900.0	5,872.1	5,902.7	5,902.4	21.8	20.9	-173.44	33.3	-46.7	447.7	405.9	41.73	10.727		
6,000.0	5,971.1	6,011.0	6,010.3	22.2	21.3	-173.75	35.6	-38.4	453.6	411.2	42.44	10.688		
6,100.0	6,070.2	6,119.5	6,118.3	22.6	21.6	-174.09	38.5	-28.1	457.7	414.5	43.14	10.610		
6,200.0	6,169.2	6,228.1	6,226.1	23.0	22.0	-174.44	42.0	-15.8	459.9	416.0	43.82	10.495		
6,300.0	6,268.2	6,336.7	6,333.7	23.4	22.4	-174.83	46.0	-1.6	460.2	415.7	44.49	10.345		
6,400.0	6,367.2	6,437.0	6,432.9	23.8	22.8	-175.19	49.9	12.5	459.5	414.3	45.20	10.167		
6,425.1	6,392.0	6,462.0	6,457.7	23.9	22.9	-175.29	50.9	16.1	459.4	414.0	45.38	10.123		
6,500.0	6,466.4	6,536.9	6,531.8	24.2	23.1	-175.55	53.9	26.6	458.2	412.2	45.91	9.978		
6,600.0	6,565.8	6,636.8	6,630.6	24.6	23.5	-175.89	57.8	40.7	454.3	407.6	46.63	9.742		
6,700.0	6,665.5	6,736.6	6,729.3	25.0	23.9	-176.20	61.8	54.7	447.8	400.5	47.34	9.459		
6,800.0	6,765.3	6,836.1	6,827.8	25.3	24.2	-176.51	65.7	68.7	438.7	390.7	48.05	9.131		
6,900.0	6,865.3	6,935.4	6,926.0	25.7	24.6	-176.80	69.7	82.7	427.1	378.3	48.75	8.760		
6,958.4	6,923.6	6,993.2	6,983.2	25.9	24.8	-114.46	71.9	90.8	419.1	369.9	49.16	8.525		
7,000.0	6,965.3	7,034.4	7,023.9	26.0	25.0	-114.58	73.6	96.6	413.1	363.6	49.45	8.353		
7,100.0	7,065.3	7,133.3	7,121.8	26.4	25.3	-114.91	77.5	110.5	398.6	348.5	50.15	7.949		
7,200.0	7,165.3	7,232.2	7,219.7	26.7	25.7	-115.26	81.4	124.4	384.2	333.4	50.84	7.557		
7,300.0	7,265.3	7,331.2	7,317.5	27.0	26.1	-115.63	85.3	138.4	369.8	318.2	51.54	7.174		
7,400.0	7,365.3	7,430.1	7,415.4	27.4	26.4	-116.04	89.2	152.3	355.4	303.2	52.24	6.803		
7,500.0	7,465.3	7,529.0	7,513.2	27.7	26.8	-116.48	93.1	166.2	341.0	288.1	52.94	6.441		
7,600.0	7,565.3	7,627.9	7,611.1	28.1	27.2	-116.96	97.1	180.1	326.7	273.0	53.65	6.089		
7,700.0	7,665.3	7,726.9	7,709.0	28.4	27.6	-117.48	101.0	194.0	312.3	258.0	54.35	5.747		
7,800.0	7,765.3	7,825.8	7,806.8	28.7	28.0	-118.05	104.9	208.0	298.0	243.0	55.06	5.413		
7,900.0	7,865.3	7,924.7	7,904.7	29.1	28.3	-118.68	108.8	221.9	283.8	228.0	55.77	5.088		
8,000.0	7,965.3	8,023.6	8,002.6	29.4	28.7	-119.38	112.7	235.8	269.5	213.1	56.48	4.772		
8,100.0	8,065.3	8,122.6	8,100.4	29.8	29.1	-120.16	116.6	249.7	255.3	198.2	57.19	4.465		
8,200.0	8,165.3	8,221.5	8,198.3	30.1	29.5	-121.02	120.6	263.6	241.2	183.3	57.91	4.166		
8,300.0	8,265.3	8,320.4	8,296.2	30.4	29.9	-121.99	124.5	277.6	227.1	168.5	58.63	3.874		
8,400.0	8,365.3	8,419.4	8,394.0	30.8	30.3	-123.09	128.4	291.5	213.1	153.8	59.35	3.591		
8,500.0	8,465.3	8,518.3	8,491.9	31.1	30.6	-124.35	132.3	305.4	199.2	139.1	60.08	3.316		
8,600.0	8,565.3	8,617.2	8,589.7	31.5	31.0	-125.79	136.2	319.3	185.4	124.6	60.81	3.049		
8,700.0	8,665.3	8,716.1	8,687.6	31.8	31.4	-127.46	140.1	333.2	171.7	110.2	61.56	2.790		
8,800.0	8,765.3	8,815.1	8,785.5	32.2	31.8	-129.42	144.0	347.1	158.2	95.9	62.31	2.539		
8,900.0	8,865.3	8,914.0	8,883.3	32.5	32.2	-131.74	148.0	361.1	144.9	81.9	63.08	2.298		
9,000.0	8,965.3	9,012.9	8,981.2	32.8	32.6	-134.52	151.9	375.0	131.9	68.1	63.87	2.066		
9,100.0	9,065.3	9,111.8	9,079.1	33.2	33.0	-137.90	155.8	388.9	119.3	54.6	64.68	1.844		
9,200.0	9,165.3	9,210.8	9,176.9	33.5	33.4	-142.05	159.7	402.8	107.2	41.6	65.54	1.635		
9,300.0	9,265.3	9,309.7	9,274.8	33.9	33.8	-147.21	163.6	416.7	95.7	29.3	66.43	1.441 Level 3		
9,400.0	9,365.3	9,408.6	9,372.7	34.2	34.2	-153.69	167.5	430.7	85.3	17.9	67.39	1.266 Level 3		
9,500.0	9,465.3	9,507.5	9,470.5	34.6	34.6	-161.82	171.4	444.6	76.2	7.8	68.41	1.114 Level 2		
9,600.0	9,565.3	9,606.5	9,568.4	34.9	34.9	-171.85	175.4	458.5	69.1	-0.4	69.47	0.994 Level 1		
9,700.0	9,665.3	9,705.4	9,666.2	35.3	35.3	176.31	179.3	472.4	64.5	-6.0	70.48	0.915 Level 1		
9,792.9	9,758.1	9,802.7	9,757.1	35.6	35.7	164.29	182.9	485.4	63.1	-8.2	71.29	0.884 Level 1, CC		
9,800.0	9,765.3	9,804.3	9,764.1	35.6	35.7	163.36	183.2	486.3	63.1	-8.3	71.33	0.884 Level 1, ES, SF		
9,900.0	9,865.3	9,903.2	9,862.0	36.0	36.1	150.49	187.1	500.3	65.0	-7.0	71.95	0.903 Level 1		
10,000.0	9,965.3	10,002.2	9,959.8	36.3	36.5	138.89	191.0	514.2	69.9	-2.5	72.40	0.966 Level 1		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #228H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,070.7	10,036.0	10,072.2	10,029.1	36.5	36.8	131.79	193.8	524.0	75.0	2.3	72.68	1.032	Level 2	
10,100.0	10,065.2	10,101.0	10,057.6	36.6	36.9	-66.06	194.9	528.1	77.1	4.3	72.78	1.059	Level 2	
10,150.0	10,115.0	10,149.9	10,106.0	36.8	37.1	-72.95	196.9	535.0	80.1	7.3	72.82	1.100	Level 2	
10,200.0	10,164.2	10,197.9	10,153.4	36.9	37.3	-81.81	198.8	541.7	83.7	10.9	72.76	1.150	Level 2	
10,250.0	10,212.3	10,244.5	10,199.6	37.1	37.5	-91.87	200.6	548.3	89.4	16.8	72.65	1.231	Level 2	
10,300.0	10,259.2	10,289.6	10,244.2	37.2	37.7	-101.99	202.4	554.6	99.0	26.4	72.63	1.363	Level 3	
10,350.0	10,304.3	10,332.6	10,286.8	37.3	37.9	-111.13	204.1	560.7	113.6	40.8	72.79	1.560		
10,400.0	10,347.4	10,373.4	10,327.1	37.4	38.0	-118.66	205.7	566.4	133.5	60.4	73.11	1.826		
10,450.0	10,388.2	10,411.5	10,364.8	37.4	38.2	-124.42	207.2	571.8	158.5	85.0	73.50	2.156		
10,500.0	10,426.2	10,446.8	10,399.6	37.5	38.3	-128.51	208.6	576.7	188.0	114.1	73.91	2.544		
10,550.0	10,461.3	10,478.8	10,431.4	37.6	38.5	-131.10	209.9	581.2	221.6	147.3	74.30	2.983		
10,600.0	10,493.1	10,507.4	10,459.7	37.6	38.6	-132.28	211.0	585.3	258.7	184.1	74.64	3.466		
10,650.0	10,521.5	10,532.4	10,484.4	37.6	38.7	-132.04	212.0	588.8	298.8	223.8	74.94	3.987		
10,700.0	10,546.2	10,553.6	10,505.4	37.7	38.8	-130.20	212.8	591.8	341.3	266.1	75.19	4.539		
10,750.0	10,567.0	10,570.8	10,522.3	37.7	38.8	-126.35	213.5	594.2	385.9	310.5	75.40	5.118		
10,800.0	10,583.7	10,583.9	10,535.3	37.7	38.9	-119.70	214.0	596.0	432.1	356.5	75.57	5.718		
10,850.0	10,596.3	10,607.3	10,544.0	37.7	39.0	-109.07	214.4	597.3	479.5	403.7	75.76	6.329		
10,900.0	10,604.6	10,602.7	10,548.5	37.7	39.0	-93.39	214.6	597.9	527.6	451.8	75.83	6.958		
10,950.0	10,608.6	10,602.5	10,548.8	37.8	39.0	-73.79	214.6	597.9	576.1	500.2	75.90	7.591		
10,970.7	10,609.0	10,603.7	10,547.6	37.9	39.0	-65.53	214.5	597.8	596.2	520.3	75.93	7.853		
11,000.0	10,609.0	10,605.8	10,545.5	37.9	39.0	-65.70	214.4	597.5	624.6	548.6	75.97	8.222		
11,100.0	10,609.0	10,587.1	10,538.4	38.2	38.9	-66.56	214.2	596.5	721.6	645.6	76.01	9.494		
11,200.0	10,609.0	10,580.4	10,531.9	38.6	38.9	-67.70	213.9	595.5	818.6	742.5	76.08	10.760		
11,300.0	10,609.0	10,574.2	10,525.8	39.0	38.8	-68.99	213.7	594.7	915.5	839.4	76.15	12.023		
11,400.0	10,609.0	10,568.5	10,520.1	39.5	38.8	-70.33	213.4	593.9	1,012.2	936.0	76.21	13.281		
11,500.0	10,609.0	10,563.3	10,514.9	40.1	38.8	-71.67	213.2	593.1	1,108.7	1,032.5	76.28	14.536		
11,600.0	10,609.0	10,558.5	10,510.2	40.7	38.8	-72.96	213.0	592.5	1,205.0	1,128.6	76.34	15.785		
11,700.0	10,609.0	10,554.2	10,506.0	41.3	38.8	-74.20	212.9	591.9	1,300.9	1,224.5	76.40	17.028		
11,739.3	10,609.0	10,552.7	10,504.4	41.6	38.8	-74.66	212.8	591.6	1,338.5	1,262.1	76.42	17.515		
11,800.0	10,609.0	10,550.4	10,502.1	42.0	38.7	-74.33	212.7	591.3	1,396.7	1,320.2	76.46	18.268		
11,900.0	10,609.0	10,546.5	10,498.3	42.8	38.7	-73.77	212.6	590.8	1,492.9	1,416.4	76.51	19.513		
12,000.0	10,609.0	10,542.7	10,494.5	43.6	38.7	-73.22	212.4	590.2	1,589.6	1,513.1	76.56	20.764		
12,100.0	10,609.0	10,538.8	10,490.7	44.5	38.7	-72.66	212.3	589.7	1,686.7	1,610.1	76.60	22.019		
12,200.0	10,609.0	13,775.3	12,178.0	45.4	52.4	-157.18	-1,525.6	889.2	1,703.4	1,651.8	51.56	33.036		
12,300.0	10,609.0	13,875.3	12,178.0	46.3	53.2	-157.18	-1,625.6	890.0	1,703.4	1,650.7	52.70	32.321		
12,400.0	10,609.0	13,975.3	12,178.0	47.3	54.1	-157.18	-1,725.6	890.8	1,703.4	1,649.5	53.89	31.610		
12,500.0	10,609.0	14,075.3	12,178.0	48.3	55.1	-157.18	-1,825.6	891.6	1,703.4	1,648.2	55.11	30.907		
12,600.0	10,609.0	14,175.3	12,178.0	49.4	56.0	-157.18	-1,925.5	892.5	1,703.3	1,647.0	56.38	30.213		
12,700.0	10,609.0	14,275.3	12,178.0	50.4	57.0	-157.18	-2,025.5	893.3	1,703.3	1,645.7	57.68	29.530		
12,800.0	10,609.0	14,375.3	12,178.0	51.6	58.0	-157.18	-2,125.5	894.1	1,703.3	1,644.3	59.02	28.861		
12,900.0	10,609.0	14,475.3	12,178.0	52.7	59.1	-157.18	-2,225.5	894.9	1,703.3	1,643.0	60.39	28.207		
13,000.0	10,609.0	14,575.3	12,178.0	53.9	60.2	-157.18	-2,325.5	895.7	1,703.3	1,641.5	61.79	27.568		
13,100.0	10,609.0	14,675.3	12,178.0	55.1	61.3	-157.18	-2,425.5	896.5	1,703.3	1,640.1	63.21	26.946		
13,200.0	10,609.0	14,775.3	12,178.0	56.3	62.4	-157.18	-2,525.5	897.3	1,703.3	1,638.7	64.67	26.340		
13,300.0	10,609.0	14,875.3	12,178.0	57.5	63.5	-157.18	-2,625.5	898.2	1,703.3	1,637.2	66.14	25.752		
13,400.0	10,609.0	14,975.3	12,178.0	58.8	64.7	-157.18	-2,725.5	899.0	1,703.3	1,635.7	67.64	25.181		
13,500.0	10,609.0	15,075.3	12,178.0	60.1	65.9	-157.18	-2,825.5	899.8	1,703.3	1,634.2	69.16	24.627		
13,600.0	10,609.0	15,175.3	12,178.0	61.4	67.1	-157.18	-2,925.5	900.6	1,703.3	1,632.6	70.71	24.090		
13,700.0	10,609.0	15,275.3	12,178.0	62.7	68.4	-157.18	-3,025.5	901.4	1,703.3	1,631.1	72.27	23.570		
13,800.0	10,609.0	15,375.3	12,178.0	64.0	69.6	-157.18	-3,125.5	902.2	1,703.3	1,629.5	73.84	23.067		
13,900.0	10,609.0	15,475.3	12,178.0	65.4	70.9	-157.18	-3,225.5	903.1	1,703.3	1,627.9	75.44	22.579		
14,000.0	10,609.0	15,575.3	12,178.0	66.7	72.1	-157.18	-3,325.5	903.9	1,703.3	1,626.3	77.05	22.108		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #228H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	10,609.0	15,675.3	12,178.0	68.1	73.4	-157.18	-3,425.5	904.7	1,703.3	1,624.6	78.67	21.652		
14,200.0	10,609.0	15,775.3	12,178.0	69.5	74.8	-157.18	-3,525.5	905.5	1,703.3	1,623.0	80.31	21.210		
14,300.0	10,609.0	15,875.3	12,178.0	70.9	76.1	-157.18	-3,625.5	906.3	1,703.3	1,621.3	81.96	20.783		
14,400.0	10,609.0	15,975.3	12,178.0	72.3	77.4	-157.18	-3,725.5	907.1	1,703.3	1,619.7	83.62	20.370		
14,500.0	10,609.0	16,075.3	12,178.0	73.7	78.8	-157.18	-3,825.5	907.9	1,703.3	1,618.0	85.29	19.970		
14,600.0	10,609.0	16,175.3	12,178.0	75.1	80.1	-157.18	-3,925.5	908.8	1,703.3	1,616.3	86.97	19.584		
14,700.0	10,609.0	16,275.3	12,178.0	76.5	81.5	-157.18	-4,025.5	909.6	1,703.3	1,614.6	88.67	19.210		
14,800.0	10,609.0	16,375.3	12,178.0	78.0	82.9	-157.18	-4,125.5	910.4	1,703.3	1,612.9	90.37	18.848		
14,900.0	10,609.0	16,475.3	12,178.0	79.4	84.3	-157.18	-4,225.5	911.2	1,703.3	1,611.2	92.08	18.497		
15,000.0	10,609.0	16,575.3	12,178.0	80.9	85.7	-157.18	-4,325.5	912.0	1,703.3	1,609.5	93.80	18.158		
15,100.0	10,609.0	16,675.3	12,178.0	82.4	87.1	-157.18	-4,425.5	912.8	1,703.3	1,607.7	95.53	17.829		
15,200.0	10,609.0	16,775.3	12,178.0	83.8	88.5	-157.18	-4,525.5	913.7	1,703.3	1,606.0	97.27	17.511		
15,300.0	10,609.0	16,875.3	12,178.0	85.3	89.9	-157.18	-4,625.5	914.5	1,703.3	1,604.3	99.01	17.202		
15,400.0	10,609.0	16,975.3	12,178.0	86.8	91.3	-157.18	-4,725.5	915.3	1,703.3	1,602.5	100.76	16.904		
15,500.0	10,609.0	17,075.3	12,178.0	88.3	92.8	-157.18	-4,825.5	916.1	1,703.3	1,600.7	102.52	16.614		
15,600.0	10,609.0	17,175.3	12,178.0	89.8	94.2	-157.18	-4,925.4	916.9	1,703.3	1,599.0	104.28	16.333		
15,700.0	10,609.0	17,275.3	12,178.0	91.3	95.7	-157.19	-5,025.4	917.7	1,703.3	1,597.2	106.05	16.061		
15,800.0	10,609.0	17,375.3	12,178.0	92.8	97.1	-157.19	-5,125.4	918.5	1,703.3	1,595.4	107.83	15.796		
15,900.0	10,609.0	17,475.3	12,178.0	94.3	98.6	-157.19	-5,225.4	919.4	1,703.3	1,593.6	109.61	15.540		
16,000.0	10,609.0	17,575.3	12,178.0	95.8	100.1	-157.19	-5,325.4	920.2	1,703.3	1,591.9	111.39	15.291		
16,100.0	10,609.0	17,675.3	12,178.0	97.4	101.6	-157.19	-5,425.4	921.0	1,703.2	1,590.1	113.18	15.049		
16,200.0	10,609.0	17,775.3	12,178.0	98.9	103.0	-157.19	-5,525.4	921.8	1,703.2	1,588.3	114.97	14.814		
16,300.0	10,609.0	17,875.3	12,178.0	100.4	104.5	-157.19	-5,625.4	922.6	1,703.2	1,586.5	116.77	14.586		
16,400.0	10,609.0	17,975.3	12,178.0	101.9	106.0	-157.19	-5,725.4	923.4	1,703.2	1,584.7	118.58	14.364		
16,500.0	10,609.0	18,075.3	12,178.0	103.5	107.5	-157.19	-5,825.4	924.3	1,703.2	1,582.9	120.38	14.149		
16,600.0	10,609.0	18,175.3	12,178.0	105.0	109.0	-157.19	-5,925.4	925.1	1,703.2	1,581.0	122.19	13.939		
16,700.0	10,609.0	18,275.3	12,178.0	106.6	110.5	-157.19	-6,025.4	925.9	1,703.2	1,579.2	124.01	13.735		
16,800.0	10,609.0	18,375.3	12,178.0	108.1	112.0	-157.19	-6,125.4	926.7	1,703.2	1,577.4	125.82	13.537		
16,900.0	10,609.0	18,475.3	12,178.0	109.7	113.6	-157.19	-6,225.4	927.5	1,703.2	1,575.6	127.65	13.343		
17,000.0	10,609.0	18,575.3	12,178.0	111.2	115.1	-157.19	-6,325.4	928.3	1,703.2	1,573.8	129.47	13.155		
17,100.0	10,609.0	18,675.3	12,178.0	112.8	116.6	-157.19	-6,425.4	929.1	1,703.2	1,571.9	131.30	12.972		
17,200.0	10,609.0	18,775.3	12,178.0	114.3	118.1	-157.19	-6,525.4	930.0	1,703.2	1,570.1	133.13	12.794		
17,300.0	10,609.0	18,875.3	12,178.0	115.9	119.6	-157.19	-6,625.4	930.8	1,703.2	1,568.3	134.96	12.620		
17,400.0	10,609.0	18,975.3	12,178.0	117.5	121.2	-157.19	-6,725.4	931.6	1,703.2	1,566.4	136.79	12.451		
17,500.0	10,609.0	19,075.3	12,178.0	119.0	122.7	-157.19	-6,825.4	932.4	1,703.2	1,564.6	138.63	12.286		
17,600.0	10,609.0	19,175.3	12,178.0	120.6	124.2	-157.19	-6,925.4	933.2	1,703.2	1,562.7	140.47	12.125		
17,700.0	10,609.0	19,275.3	12,178.0	122.2	125.8	-157.19	-7,025.4	934.0	1,703.2	1,560.9	142.32	11.968		
17,800.0	10,609.0	19,375.3	12,178.0	123.7	127.3	-157.19	-7,125.4	934.8	1,703.2	1,559.0	144.16	11.815		
17,900.0	10,609.0	19,475.3	12,178.0	125.3	128.9	-157.19	-7,225.4	935.7	1,703.2	1,557.2	146.01	11.665		
18,000.0	10,609.0	19,575.3	12,178.0	126.9	130.4	-157.19	-7,325.4	936.5	1,703.2	1,555.3	147.86	11.519		
18,100.0	10,609.0	19,675.3	12,178.0	128.5	132.0	-157.19	-7,425.4	937.3	1,703.2	1,553.5	149.71	11.377		
18,200.0	10,609.0	19,775.3	12,178.0	130.1	133.5	-157.19	-7,525.4	938.1	1,703.2	1,551.6	151.56	11.237		
18,300.0	10,609.0	19,875.3	12,178.0	131.6	135.1	-157.19	-7,625.4	938.9	1,703.2	1,549.8	153.42	11.101		
18,400.0	10,609.0	19,975.3	12,178.0	133.2	136.7	-157.19	-7,725.4	939.7	1,703.2	1,547.9	155.28	10.969		
18,500.0	10,609.0	20,075.3	12,178.0	134.8	138.2	-157.19	-7,825.4	940.6	1,703.2	1,546.0	157.14	10.839		
18,600.0	10,609.0	20,175.3	12,178.0	136.4	139.8	-157.19	-7,925.3	941.4	1,703.2	1,544.2	159.00	10.712		
18,700.0	10,609.0	20,275.3	12,178.0	138.0	141.3	-157.19	-8,025.3	942.2	1,703.2	1,542.3	160.86	10.588		
18,800.0	10,609.0	20,375.3	12,178.0	139.6	142.9	-157.19	-8,125.3	943.0	1,703.2	1,540.4	162.72	10.467		
18,900.0	10,609.0	20,475.3	12,178.0	141.2	144.5	-157.19	-8,225.3	943.8	1,703.2	1,538.6	164.59	10.348		
19,000.0	10,609.0	20,575.3	12,178.0	142.8	146.0	-157.19	-8,325.3	944.6	1,703.2	1,536.7	166.46	10.232		
19,100.0	10,609.0	20,675.3	12,178.0	144.4	147.6	-157.19	-8,425.3	945.4	1,703.2	1,534.8	168.32	10.118		
19,200.0	10,609.0	20,775.3	12,178.0	146.0	149.2	-157.19	-8,525.3	946.3	1,703.2	1,533.0	170.19	10.007		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #228H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,300.0	10,609.0	20,875.3	12,178.0	147.6	150.8	-157.19	-8,625.3	947.1	1,703.2	1,531.1	172.07	9.898		
19,400.0	10,609.0	20,975.3	12,178.0	149.2	152.3	-157.19	-8,725.3	947.9	1,703.2	1,529.2	173.94	9.792		
19,500.0	10,609.0	21,075.3	12,178.0	150.8	153.9	-157.19	-8,825.3	948.7	1,703.2	1,527.3	175.81	9.687		
19,600.0	10,609.0	21,175.3	12,178.0	152.4	155.5	-157.19	-8,925.3	949.5	1,703.1	1,525.5	177.69	9.585		
19,700.0	10,609.0	21,275.3	12,178.0	154.0	157.1	-157.19	-9,025.3	950.3	1,703.1	1,523.6	179.56	9.485		
19,800.0	10,609.0	21,375.3	12,178.0	155.6	158.7	-157.19	-9,125.3	951.2	1,703.1	1,521.7	181.44	9.387		
19,900.0	10,609.0	21,475.3	12,178.0	157.2	160.3	-157.19	-9,225.3	952.0	1,703.1	1,519.8	183.32	9.291		
20,000.0	10,609.0	21,575.3	12,178.0	158.8	161.8	-157.19	-9,325.3	952.8	1,703.1	1,517.9	185.20	9.196		
20,100.0	10,609.0	21,675.3	12,178.0	160.4	163.4	-157.20	-9,425.3	953.6	1,703.1	1,516.1	187.08	9.104		
20,200.0	10,609.0	21,775.3	12,178.0	162.0	165.0	-157.20	-9,525.3	954.4	1,703.1	1,514.2	188.96	9.013		
20,300.0	10,609.0	21,875.3	12,178.0	163.6	166.6	-157.20	-9,625.3	955.2	1,703.1	1,512.3	190.84	8.924		
20,400.0	10,609.0	21,975.3	12,178.0	165.2	168.2	-157.20	-9,725.3	956.0	1,703.1	1,510.4	192.73	8.837		
20,500.0	10,609.0	22,075.3	12,178.0	166.8	169.8	-157.20	-9,825.3	956.9	1,703.1	1,508.5	194.61	8.751		
20,600.0	10,609.0	22,175.3	12,178.0	168.4	171.4	-157.20	-9,925.3	957.7	1,703.1	1,506.6	196.50	8.667		
20,700.0	10,609.0	22,275.3	12,178.0	170.0	173.0	-157.20	-10,025.3	958.5	1,703.1	1,504.7	198.38	8.585		
20,800.0	10,609.0	22,375.3	12,178.0	171.7	174.6	-157.20	-10,125.3	959.3	1,703.1	1,502.8	200.27	8.504		
20,900.0	10,609.0	22,475.3	12,178.0	173.3	176.2	-157.20	-10,225.3	960.1	1,703.1	1,501.0	202.16	8.425		
21,000.0	10,609.0	22,575.3	12,178.0	174.9	177.8	-157.20	-10,325.3	960.9	1,703.1	1,499.1	204.05	8.347		
21,100.0	10,609.0	22,675.3	12,178.0	176.5	179.4	-157.20	-10,425.3	961.8	1,703.1	1,497.2	205.94	8.270		
21,200.0	10,609.0	22,775.3	12,178.0	178.1	181.0	-157.20	-10,525.3	962.6	1,703.1	1,495.3	207.83	8.195		
21,300.0	10,609.0	22,875.3	12,178.0	179.7	182.6	-157.20	-10,625.3	963.4	1,703.1	1,493.4	209.72	8.121		
21,400.0	10,609.0	22,975.3	12,178.0	181.3	184.2	-157.20	-10,725.3	964.2	1,703.1	1,491.5	211.61	8.048		
21,500.0	10,609.0	23,075.3	12,178.0	183.0	185.8	-157.20	-10,825.3	965.0	1,703.1	1,489.6	213.50	7.977		
21,600.0	10,609.0	23,175.3	12,178.0	184.6	187.4	-157.20	-10,925.2	965.8	1,703.1	1,487.7	215.39	7.907		
21,700.0	10,609.0	23,275.3	12,178.0	186.2	189.0	-157.20	-11,025.2	966.6	1,703.1	1,485.8	217.29	7.838		
21,800.0	10,609.0	23,375.3	12,178.0	187.8	190.6	-157.20	-11,125.2	967.5	1,703.1	1,483.9	219.18	7.770		
21,900.0	10,609.0	23,475.3	12,178.0	189.4	192.2	-157.20	-11,225.2	968.3	1,703.1	1,482.0	221.08	7.704		
22,000.0	10,609.0	23,575.3	12,178.0	191.1	193.8	-157.20	-11,325.2	969.1	1,703.1	1,480.1	222.97	7.638		
22,100.0	10,609.0	23,675.3	12,178.0	192.7	195.4	-157.20	-11,425.2	969.9	1,703.1	1,478.2	224.87	7.574		
22,200.0	10,609.0	23,775.3	12,178.0	194.3	197.0	-157.20	-11,525.2	970.7	1,703.1	1,476.3	226.76	7.510		
22,300.0	10,609.0	23,875.3	12,178.0	195.9	198.6	-157.20	-11,625.2	971.5	1,703.1	1,474.4	228.66	7.448		
22,400.0	10,609.0	23,975.3	12,178.0	197.5	200.2	-157.20	-11,725.2	972.4	1,703.1	1,472.5	230.56	7.387		
22,500.0	10,609.0	24,075.3	12,178.0	199.2	201.8	-157.20	-11,825.2	973.2	1,703.1	1,470.6	232.46	7.326		
22,600.0	10,609.0	24,175.3	12,178.0	200.8	203.5	-157.20	-11,925.2	974.0	1,703.1	1,468.7	234.36	7.267		
22,700.0	10,609.0	24,275.3	12,178.0	202.4	205.1	-157.20	-12,025.2	974.8	1,703.1	1,466.8	236.26	7.209		
22,800.0	10,609.0	24,375.3	12,178.0	204.0	206.7	-157.20	-12,125.2	975.6	1,703.1	1,464.9	238.16	7.151		
22,900.0	10,609.0	24,475.3	12,178.0	205.7	208.3	-157.20	-12,225.2	976.4	1,703.1	1,463.0	240.06	7.094		
22,978.1	10,609.0	24,553.4	12,178.0	206.9	209.6	-157.20	-12,303.3	977.1	1,703.1	1,461.5	241.54	7.051		
23,000.0	10,609.0	24,548.6	12,178.0	207.3	209.5	-157.20	-12,298.5	977.0	1,703.3	1,461.5	241.74	7.046		
23,100.0	10,609.0	24,548.6	12,178.0	208.9	209.5	-157.20	-12,298.5	977.0	1,707.8	1,465.4	242.37	7.046		
23,112.4	10,609.0	24,548.6	12,178.0	209.1	209.5	-157.20	-12,298.5	977.0	1,708.7	1,466.3	242.40	7.049		
23,112.9	10,609.0	24,548.6	12,178.0	209.1	209.5	-157.20	-12,298.5	977.0	1,708.8	1,466.2	242.52	7.046		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-78.36	28.9	-140.3	143.2					
100.0	100.0	101.0	101.0	0.1	0.1	-78.36	28.9	-140.3	143.2	143.0	0.26	551.129		
200.0	200.0	201.0	201.0	0.5	0.5	-78.36	28.9	-140.3	143.2	142.3	0.98	146.631		
300.0	300.0	301.0	301.0	0.8	0.8	-78.36	28.9	-140.3	143.2	141.5	1.69	84.565		
400.0	400.0	401.0	401.0	1.2	1.2	-78.36	28.9	-140.3	143.2	140.8	2.41	59.415		
500.0	500.0	501.0	501.0	1.6	1.6	-78.36	28.9	-140.3	143.2	140.1	3.13	45.796		
600.0	600.0	601.0	601.0	1.9	1.9	-78.36	28.9	-140.3	143.2	139.4	3.84	37.256		
700.0	700.0	701.0	701.0	2.3	2.3	-78.36	28.9	-140.3	143.2	138.7	4.56	31.400		
800.0	800.0	801.0	801.0	2.6	2.6	-78.36	28.9	-140.3	143.2	138.0	5.28	27.135		
900.0	900.0	901.0	901.0	3.0	3.0	-78.36	28.9	-140.3	143.2	137.2	6.00	23.891		
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	-78.36	28.9	-140.3	143.2	136.5	6.71	21.339		
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	-78.36	28.9	-140.3	143.2	135.8	7.43	19.280		
1,200.0	1,200.0	1,201.0	1,201.0	4.1	4.1	-78.36	28.9	-140.3	143.2	135.1	8.15	17.583		
1,300.0	1,300.0	1,301.0	1,301.0	4.4	4.4	-78.36	28.9	-140.3	143.2	134.4	8.86	16.161		
1,400.0	1,400.0	1,401.0	1,401.0	4.8	4.8	-78.36	28.9	-140.3	143.2	133.7	9.58	14.951		
1,500.0	1,500.0	1,501.0	1,501.0	5.1	5.2	-78.36	28.9	-140.3	143.2	132.9	10.30	13.910		
1,600.0	1,600.0	1,601.0	1,601.0	5.5	5.5	-78.36	28.9	-140.3	143.2	132.2	11.01	13.005		
1,700.0	1,700.0	1,701.0	1,701.0	5.9	5.9	-78.36	28.9	-140.3	143.2	131.5	11.73	12.210		
1,800.0	1,800.0	1,801.0	1,801.0	6.2	6.2	-78.36	28.9	-140.3	143.2	130.8	12.45	11.507		
1,900.0	1,900.0	1,901.0	1,901.0	6.6	6.6	-78.36	28.9	-140.3	143.2	130.1	13.16	10.880		
2,000.0	2,000.0	2,001.0	2,001.0	6.9	6.9	-78.36	28.9	-140.3	143.2	129.4	13.88	10.318		
2,100.0	2,100.0	2,101.0	2,101.0	7.3	7.3	-78.36	28.9	-140.3	143.2	128.6	14.60	9.811		
2,200.0	2,200.0	2,201.0	2,201.0	7.7	7.7	-78.36	28.9	-140.3	143.2	127.9	15.32	9.352		
2,300.0	2,300.0	2,301.0	2,301.0	8.0	8.0	-78.36	28.9	-140.3	143.2	127.2	16.03	8.934		
2,400.0	2,400.0	2,401.0	2,401.0	8.4	8.4	-78.36	28.9	-140.3	143.2	126.5	16.75	8.552		
2,500.0	2,500.0	2,501.0	2,501.0	8.7	8.7	-78.36	28.9	-140.3	143.2	125.8	17.47	8.200 CC		
2,600.0	2,600.0	2,601.0	2,601.0	9.1	9.1	-141.09	28.9	-140.3	143.9	125.7	18.18	7.917 ES		
2,700.0	2,700.0	2,701.0	2,701.0	9.4	9.5	-141.73	28.9	-140.3	146.0	127.1	18.89	7.728		
2,800.0	2,799.9	2,800.9	2,800.9	9.8	9.8	-142.74	28.9	-140.3	149.4	129.8	19.59	7.625		
2,900.0	2,899.7	2,900.7	2,900.7	10.1	10.2	-144.08	28.9	-140.3	154.3	134.0	20.30	7.601		
3,000.0	2,999.4	3,000.4	3,000.4	10.5	10.5	-145.69	28.9	-140.3	160.7	139.7	21.01	7.651		
3,100.0	3,098.9	3,100.1	3,099.9	10.8	10.9	-147.48	28.9	-140.3	168.8	147.0	21.72	7.770		
3,200.0	3,198.3	3,200.7	3,199.3	11.2	11.2	-149.38	28.9	-140.3	178.4	156.0	22.43	7.954		
3,300.0	3,297.4	3,301.6	3,298.4	11.6	11.6	-151.33	28.9	-140.3	189.8	166.6	23.14	8.200		
3,400.0	3,396.4	3,402.6	3,397.4	11.9	12.0	-153.22	28.9	-140.3	202.1	178.3	23.86	8.472		
3,500.0	3,495.5	3,503.5	3,496.5	12.3	12.3	-154.89	28.9	-140.3	214.7	190.1	24.57	8.736		
3,600.0	3,594.5	3,604.5	3,595.5	12.7	12.7	-156.37	28.9	-140.3	227.4	202.1	25.29	8.991		
3,700.0	3,693.5	3,705.5	3,694.5	13.1	13.1	-157.70	28.9	-140.3	240.2	214.2	26.00	9.237		
3,800.0	3,792.5	3,806.5	3,793.5	13.4	13.4	-158.90	28.9	-140.3	253.2	226.4	26.72	9.474		
3,900.0	3,891.6	3,907.4	3,892.6	13.8	13.8	-159.97	28.9	-140.3	266.2	238.8	27.44	9.702		
4,000.0	3,990.6	4,008.4	3,991.6	14.2	14.1	-160.95	28.9	-140.3	279.3	251.2	28.16	9.921		
4,100.0	4,089.6	4,109.4	4,090.6	14.6	14.5	-161.84	28.9	-140.3	292.5	263.7	28.87	10.131		
4,200.0	4,188.6	4,189.6	4,189.6	15.0	14.8	-162.65	28.9	-140.3	305.8	276.3	29.52	10.359		
4,300.0	4,287.7	4,288.7	4,288.7	15.4	15.1	-163.40	28.9	-140.3	319.1	288.9	30.23	10.556		
4,400.0	4,386.7	4,387.7	4,387.7	15.8	15.5	-164.08	28.9	-140.3	332.5	301.5	30.94	10.745		
4,500.0	4,485.7	4,486.7	4,486.7	16.2	15.9	-164.71	28.9	-140.3	345.9	314.2	31.66	10.926		
4,600.0	4,584.8	4,585.8	4,585.8	16.6	16.2	-165.30	28.9	-140.3	359.4	327.0	32.37	11.101		
4,700.0	4,683.8	4,684.8	4,684.8	17.0	16.6	-165.84	28.9	-140.3	372.8	339.8	33.09	11.269		
4,800.0	4,782.8	4,783.8	4,783.8	17.3	16.9	-166.34	28.9	-140.3	386.4	352.6	33.80	11.431		
4,900.0	4,881.8	4,882.8	4,882.8	17.7	17.3	-166.81	28.9	-140.3	399.9	365.4	34.52	11.586		
5,000.0	4,980.9	4,981.9	4,981.9	18.1	17.6	-167.25	28.9	-140.3	413.5	378.2	35.23	11.736		
5,100.0	5,079.9	5,080.9	5,080.9	18.5	18.0	-167.67	28.9	-140.3	427.1	391.1	35.95	11.881		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #244H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.0	5,178.9	5,179.9	5,179.9	18.9	18.3	-168.05	28.9	-140.3	440.7	404.0	36.66	12.020		
5,300.0	5,277.9	5,278.9	5,278.9	19.3	18.7	-168.42	28.9	-140.3	454.3	416.9	37.38	12.154		
5,400.0	5,377.0	5,378.0	5,378.0	19.7	19.0	-168.76	28.9	-140.3	468.0	429.9	38.10	12.284		
5,500.0	5,476.0	5,477.0	5,477.0	20.1	19.4	-169.08	28.9	-140.3	481.6	442.8	38.81	12.409		
5,600.0	5,575.0	5,576.0	5,576.0	20.6	19.8	-169.39	28.9	-140.3	495.3	455.8	39.53	12.530		
5,700.0	5,674.0	5,675.0	5,675.0	21.0	20.1	-169.67	28.9	-140.3	509.0	468.7	40.25	12.647		
5,800.0	5,773.1	5,774.1	5,774.1	21.4	20.5	-169.95	28.9	-140.3	522.7	481.7	40.96	12.760		
5,900.0	5,872.1	5,873.1	5,873.1	21.8	20.8	-170.21	28.9	-140.3	536.4	494.7	41.68	12.869		
6,000.0	5,971.1	5,972.1	5,972.1	22.2	21.2	-170.45	28.9	-140.3	550.1	507.7	42.40	12.975		
6,100.0	6,070.2	6,071.2	6,071.2	22.6	21.5	-170.69	28.9	-140.3	563.9	520.7	43.12	13.077		
6,200.0	6,169.2	6,170.2	6,170.2	23.0	21.9	-170.91	28.9	-140.3	577.6	533.8	43.84	13.176		
6,300.0	6,268.2	6,269.2	6,269.2	23.4	22.2	-171.12	28.9	-140.3	591.3	546.8	44.55	13.273		
6,400.0	6,367.2	6,368.2	6,368.2	23.8	22.6	-171.33	28.9	-140.3	605.1	559.8	45.27	13.366		
6,425.1	6,392.0	6,407.0	6,393.0	23.9	22.7	-171.38	28.9	-140.3	608.6	563.0	45.50	13.374		
6,500.0	6,466.4	6,467.4	6,467.4	24.2	23.0	-171.53	28.9	-140.3	618.1	572.2	45.99	13.440		
6,600.0	6,565.8	6,566.8	6,566.8	24.6	23.3	-171.70	28.9	-140.3	628.7	582.0	46.71	13.460		
6,700.0	6,665.5	6,666.5	6,666.5	25.0	23.7	-171.82	28.9	-140.3	636.7	589.3	47.43	13.425		
6,800.0	6,765.3	6,766.3	6,766.3	25.3	24.0	-171.90	28.9	-140.3	642.1	593.9	48.14	13.337		
6,900.0	6,865.3	6,866.3	6,866.3	25.7	24.4	-171.94	28.9	-140.3	644.9	596.0	48.86	13.200		
6,958.4	6,923.6	6,924.6	6,924.6	25.9	24.6	-109.43	28.9	-140.3	645.3	596.1	49.27	13.098		
7,000.0	6,965.3	6,966.3	6,966.3	26.0	24.7	-109.43	28.9	-140.3	645.3	595.8	49.56	13.020		
7,100.0	7,065.3	7,066.3	7,066.3	26.4	25.1	-109.43	28.9	-140.3	645.3	595.1	50.27	12.837		
7,200.0	7,165.3	7,166.3	7,166.3	26.7	25.5	-109.43	28.9	-140.3	645.3	594.4	50.98	12.659		
7,300.0	7,265.3	7,266.3	7,266.3	27.0	25.8	-109.43	28.9	-140.3	645.3	593.6	51.69	12.485		
7,400.0	7,365.3	7,366.3	7,366.3	27.4	26.2	-109.43	28.9	-140.3	645.3	592.9	52.40	12.317		
7,500.0	7,465.3	7,466.3	7,466.3	27.7	26.5	-109.43	28.9	-140.3	645.3	592.2	53.10	12.152		
7,600.0	7,565.3	7,566.3	7,566.3	28.1	26.9	-109.43	28.9	-140.3	645.3	591.5	53.81	11.992		
7,700.0	7,665.3	7,666.3	7,666.3	28.4	27.3	-109.43	28.9	-140.3	645.3	590.8	54.52	11.836		
7,800.0	7,765.3	7,766.3	7,766.3	28.7	27.6	-109.43	28.9	-140.3	645.3	590.1	55.23	11.684		
7,900.0	7,865.3	7,866.3	7,866.3	29.1	28.0	-109.43	28.9	-140.3	645.3	589.4	55.94	11.536		
8,000.0	7,965.3	7,966.3	7,966.3	29.4	28.3	-109.43	28.9	-140.3	645.3	588.7	56.65	11.391		
8,100.0	8,065.3	8,066.3	8,066.3	29.8	28.7	-109.43	28.9	-140.3	645.3	588.0	57.36	11.251		
8,200.0	8,165.3	8,166.3	8,166.3	30.1	29.0	-109.43	28.9	-140.3	645.3	587.3	58.07	11.113		
8,300.0	8,265.3	8,274.7	8,274.7	30.4	29.4	-109.43	29.1	-139.8	644.9	586.1	58.82	10.963		
8,400.0	8,365.3	8,387.3	8,387.2	30.8	29.8	-109.42	30.1	-137.5	642.6	583.0	59.58	10.787		
8,500.0	8,465.3	8,499.7	8,499.6	31.1	30.2	-109.40	31.9	-133.0	638.4	578.1	60.31	10.586		
8,600.0	8,565.3	8,612.0	8,611.6	31.5	30.6	-109.37	34.5	-126.6	632.2	571.2	61.01	10.361		
8,700.0	8,665.3	8,723.9	8,723.2	31.8	31.0	-109.32	38.0	-118.1	624.0	562.3	61.70	10.114		
8,800.0	8,765.3	8,835.4	8,834.1	32.2	31.4	-109.27	42.2	-107.7	613.9	551.6	62.36	9.845		
8,900.0	8,865.3	8,946.5	8,944.3	32.5	31.8	-109.20	47.3	-95.4	601.9	538.9	63.00	9.555		
9,000.0	8,965.3	9,051.1	9,048.0	32.8	32.1	-109.13	52.7	-82.1	588.3	524.6	63.66	9.241		
9,100.0	9,065.3	9,150.1	9,146.1	33.2	32.5	-109.05	58.0	-69.4	574.4	510.0	64.35	8.926		
9,200.0	9,165.3	9,249.2	9,244.1	33.5	32.9	-108.97	63.2	-56.6	560.5	495.4	65.04	8.617		
9,300.0	9,265.3	9,348.2	9,342.2	33.9	33.2	-108.88	68.4	-43.9	546.6	480.8	65.74	8.314		
9,400.0	9,365.3	9,447.2	9,440.3	34.2	33.6	-108.79	73.7	-31.1	532.7	466.2	66.44	8.018		
9,500.0	9,465.3	9,546.2	9,538.3	34.6	33.9	-108.70	78.9	-18.4	518.8	451.7	67.13	7.728		
9,600.0	9,565.3	9,645.3	9,636.4	34.9	34.3	-108.60	84.1	-5.6	504.9	437.1	67.83	7.444		
9,700.0	9,665.3	9,744.3	9,734.4	35.3	34.6	-108.50	89.4	7.1	491.0	422.5	68.53	7.165		
9,800.0	9,765.3	9,843.3	9,832.5	35.6	35.0	-108.39	94.6	19.9	477.1	407.9	69.23	6.892		
9,900.0	9,865.3	9,942.3	9,930.6	36.0	35.4	-108.27	99.8	32.6	463.2	393.3	69.92	6.625		
10,000.0	9,965.3	10,041.4	10,028.6	36.3	35.7	-108.14	105.0	45.4	449.4	378.7	70.62	6.363		
10,070.7	10,036.0	10,111.4	10,098.0	36.5	36.0	-108.05	108.7	54.4	439.5	368.4	71.12	6.180		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,100.0	10,065.2	10,140.3	10,126.6	36.6	36.1	57.55	110.3	58.1	435.1	363.8	71.32	6.101		
10,150.0	10,115.0	10,189.2	10,175.0	36.8	36.3	58.98	112.8	64.4	425.7	354.0	71.65	5.941		
10,200.0	10,164.2	10,237.1	10,222.5	36.9	36.5	61.16	115.4	70.6	414.2	342.2	71.97	5.755		
10,250.0	10,212.3	10,283.7	10,268.6	37.1	36.6	64.11	117.8	76.6	400.9	328.6	72.28	5.546		
10,300.0	10,259.2	10,328.6	10,313.1	37.2	36.8	67.84	120.2	82.4	386.3	313.7	72.59	5.322		
10,350.0	10,304.3	10,371.5	10,355.6	37.3	37.0	72.30	122.5	87.9	371.0	298.1	72.88	5.091		
10,400.0	10,347.4	10,412.1	10,395.7	37.4	37.1	77.35	124.6	93.1	355.9	282.7	73.18	4.864		
10,450.0	10,388.2	10,450.0	10,433.3	37.4	37.2	82.74	126.6	98.0	342.0	268.5	73.48	4.654		
10,500.0	10,426.2	10,484.9	10,467.9	37.5	37.4	88.18	128.5	102.5	330.5	256.7	73.80	4.479		
10,550.0	10,461.3	10,516.7	10,499.3	37.6	37.5	93.28	130.1	106.6	322.8	248.6	74.12	4.355		
10,597.8	10,491.8	10,543.8	10,526.2	37.6	37.6	97.53	131.6	110.1	320.1	245.7	74.43	4.300		
10,600.0	10,493.1	10,545.0	10,527.3	37.6	37.6	97.71	131.6	110.2	320.1	245.7	74.45	4.300 SF		
10,650.0	10,521.5	10,569.6	10,551.7	37.6	37.7	101.19	132.9	113.4	323.6	248.8	74.77	4.328		
10,700.0	10,546.2	10,609.6	10,572.3	37.7	37.8	103.51	134.0	116.1	333.9	258.8	75.12	4.445		
10,750.0	10,567.0	10,607.1	10,588.9	37.7	37.8	104.54	134.9	118.2	351.0	275.7	75.27	4.662		
10,800.0	10,583.7	10,619.7	10,601.4	37.7	37.9	104.14	135.6	119.9	374.3	298.9	75.44	4.962		
10,850.0	10,596.3	10,628.1	10,609.7	37.7	37.9	102.18	136.0	120.9	403.1	327.6	75.54	5.337		
10,900.0	10,604.6	10,632.2	10,613.7	37.7	37.9	98.54	136.2	121.5	436.4	360.8	75.58	5.774		
10,950.0	10,608.6	10,632.0	10,613.5	37.8	37.9	93.15	136.2	121.4	473.0	397.4	75.58	6.258		
10,970.7	10,609.0	10,630.6	10,612.1	37.9	37.9	90.40	136.2	121.3	488.9	413.3	75.57	6.469		
11,000.0	10,609.0	10,628.1	10,609.7	37.9	37.9	89.95	136.0	120.9	512.0	436.5	75.55	6.777		
11,100.0	10,609.0	10,620.0	10,601.7	38.2	37.9	88.36	135.6	119.9	596.3	520.8	75.49	7.899		
11,200.0	10,609.0	10,612.3	10,594.1	38.6	37.9	86.62	135.2	118.9	686.2	610.8	75.43	9.097		
11,300.0	10,609.0	10,605.0	10,586.8	39.0	37.8	84.63	134.8	118.0	779.7	704.3	75.38	10.343		
11,400.0	10,609.0	10,601.8	10,580.0	39.5	37.8	82.23	134.4	117.1	875.5	800.2	75.36	11.619		
11,500.0	10,609.0	10,608.3	10,573.6	40.1	37.8	79.11	134.1	116.3	973.0	897.6	75.37	12.909		
11,600.0	10,609.0	10,585.7	10,567.7	40.7	37.8	74.68	133.8	115.5	1,071.4	996.2	75.29	14.231		
11,700.0	10,609.0	10,580.1	10,562.2	41.3	37.7	67.66	133.5	114.8	1,170.6	1,095.3	75.28	15.551		
11,739.3	10,609.0	10,578.1	10,560.1	41.6	37.7	63.58	133.4	114.5	1,209.7	1,134.5	75.27	16.071		
11,800.0	10,609.0	10,574.9	10,557.0	42.0	37.7	62.26	133.2	114.1	1,270.2	1,194.9	75.27	16.876		
11,900.0	10,609.0	10,569.7	10,551.9	42.8	37.7	60.19	132.9	113.4	1,369.8	1,294.5	75.26	18.201		
12,000.0	10,609.0	10,564.6	10,546.7	43.6	37.7	58.23	132.7	112.8	1,469.4	1,394.2	75.25	19.526		
12,100.0	10,609.0	10,559.4	10,541.6	44.5	37.7	56.37	132.4	112.1	1,569.1	1,493.9	75.25	20.852		
12,200.0	10,609.0	10,554.2	10,536.5	45.4	37.6	54.61	132.1	111.4	1,668.8	1,593.6	75.25	22.177		
12,300.0	10,609.0	10,549.0	10,531.4	46.3	37.6	52.94	131.9	110.8	1,768.5	1,693.3	75.25	23.503		
12,400.0	10,609.0	10,543.9	10,526.2	47.3	37.6	51.37	131.6	110.1	1,868.3	1,793.0	75.25	24.828		
12,500.0	10,609.0	10,538.7	10,521.1	48.3	37.6	49.88	131.3	109.4	1,968.0	1,892.8	75.25	26.153		
12,600.0	10,609.0	10,533.5	10,516.0	49.4	37.6	48.47	131.0	108.8	2,067.8	1,992.5	75.25	27.477		
12,700.0	10,609.0	10,528.3	10,510.9	50.4	37.5	47.13	130.8	108.1	2,167.5	2,092.3	75.26	28.801		
12,800.0	10,609.0	10,523.2	10,505.8	51.6	37.5	45.87	130.5	107.4	2,267.3	2,192.1	75.27	30.124		
12,900.0	10,609.0	10,518.0	10,500.6	52.7	37.5	44.67	130.2	106.8	2,367.1	2,291.8	75.27	31.447		
13,000.0	10,609.0	10,512.8	10,495.5	53.9	37.5	43.54	129.9	106.1	2,466.9	2,391.6	75.28	32.769		
13,100.0	10,609.0	10,507.6	10,490.4	55.1	37.5	42.46	129.7	105.4	2,566.7	2,491.4	75.29	34.090		
13,200.0	10,609.0	10,502.5	10,485.3	56.3	37.4	41.44	129.4	104.8	2,666.5	2,591.2	75.30	35.411		
13,300.0	10,609.0	10,502.7	10,480.1	57.5	37.4	40.47	129.1	104.1	2,766.3	2,691.0	75.33	36.721		
13,400.0	10,609.0	10,507.9	10,475.0	58.8	37.5	39.55	128.8	103.4	2,866.1	2,790.7	75.39	38.020		
13,500.0	10,609.0	10,487.0	10,469.9	60.1	37.4	38.67	128.6	102.8	2,965.9	2,890.6	75.34	39.367		
13,600.0	10,609.0	16,569.3	13,591.0	61.4	69.7	-173.68	-2,928.2	569.9	2,999.2	2,935.7	63.50	47.235		
13,700.0	10,609.0	16,669.3	13,591.0	62.7	70.9	-173.68	-3,028.2	570.7	2,999.2	2,934.4	64.76	46.313		
13,800.0	10,609.0	16,769.3	13,591.0	64.0	72.1	-173.68	-3,128.2	571.6	2,999.2	2,933.2	66.04	45.416		
13,900.0	10,609.0	16,869.3	13,591.0	65.4	73.3	-173.68	-3,228.2	572.4	2,999.2	2,931.9	67.33	44.545		
14,000.0	10,609.0	16,969.3	13,591.0	66.7	74.5	-173.68	-3,328.2	573.2	2,999.2	2,930.6	68.63	43.699		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #244H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	10,609.0	17,069.3	13,591.0	68.1	75.8	-173.68	-3,428.2	574.0	2,999.2	2,929.2	69.95	42.876		
14,200.0	10,609.0	17,169.3	13,591.0	69.5	77.0	-173.68	-3,528.2	574.9	2,999.2	2,927.9	71.28	42.078		
14,300.0	10,609.0	17,269.3	13,591.0	70.9	78.3	-173.68	-3,628.2	575.7	2,999.2	2,926.6	72.62	41.302		
14,400.0	10,609.0	17,369.3	13,591.0	72.3	79.6	-173.68	-3,728.2	576.5	2,999.2	2,925.2	73.96	40.549		
14,500.0	10,609.0	17,469.3	13,591.0	73.7	80.9	-173.68	-3,828.1	577.3	2,999.2	2,923.9	75.32	39.818		
14,600.0	10,609.0	17,569.3	13,591.0	75.1	82.2	-173.68	-3,928.1	578.1	2,999.2	2,922.5	76.69	39.108		
14,700.0	10,609.0	17,669.3	13,591.0	76.5	83.6	-173.68	-4,028.1	579.0	2,999.2	2,921.1	78.07	38.419		
14,800.0	10,609.0	17,769.3	13,591.0	78.0	84.9	-173.68	-4,128.1	579.8	2,999.2	2,919.8	79.45	37.750		
14,900.0	10,609.0	17,869.3	13,591.0	79.4	86.3	-173.68	-4,228.1	580.6	2,999.2	2,918.4	80.84	37.100		
15,000.0	10,609.0	17,969.3	13,591.0	80.9	87.6	-173.68	-4,328.1	581.4	2,999.2	2,917.0	82.24	36.469		
15,100.0	10,609.0	18,069.3	13,591.0	82.4	89.0	-173.68	-4,428.1	582.3	2,999.2	2,915.6	83.65	35.856		
15,200.0	10,609.0	18,169.3	13,591.0	83.8	90.4	-173.68	-4,528.1	583.1	2,999.2	2,914.1	85.06	35.260		
15,300.0	10,609.0	18,269.3	13,591.0	85.3	91.8	-173.68	-4,628.1	583.9	2,999.2	2,912.7	86.48	34.682		
15,400.0	10,609.0	18,369.3	13,591.0	86.8	93.2	-173.68	-4,728.1	584.7	2,999.2	2,911.3	87.90	34.119		
15,500.0	10,609.0	18,469.3	13,591.0	88.3	94.6	-173.68	-4,828.1	585.5	2,999.2	2,909.9	89.33	33.573		
15,600.0	10,609.0	18,569.3	13,591.0	89.8	96.0	-173.68	-4,928.1	586.4	2,999.2	2,908.4	90.77	33.041		
15,700.0	10,609.0	18,669.3	13,591.0	91.3	97.4	-173.68	-5,028.1	587.2	2,999.2	2,907.0	92.21	32.524		
15,800.0	10,609.0	18,769.3	13,591.0	92.8	98.9	-173.68	-5,128.1	588.0	2,999.2	2,905.5	93.66	32.022		
15,900.0	10,609.0	18,869.3	13,591.0	94.3	100.3	-173.68	-5,228.1	588.8	2,999.2	2,904.1	95.11	31.533		
16,000.0	10,609.0	18,969.3	13,591.0	95.8	101.8	-173.68	-5,328.1	589.7	2,999.2	2,902.6	96.57	31.058		
16,100.0	10,609.0	19,069.3	13,591.0	97.4	103.2	-173.68	-5,428.1	590.5	2,999.2	2,901.2	98.03	30.595		
16,200.0	10,609.0	19,169.3	13,591.0	98.9	104.7	-173.68	-5,528.1	591.3	2,999.2	2,899.7	99.50	30.144		
16,300.0	10,609.0	19,269.3	13,591.0	100.4	106.1	-173.68	-5,628.1	592.1	2,999.2	2,898.2	100.96	29.705		
16,400.0	10,609.0	19,369.3	13,591.0	101.9	107.6	-173.68	-5,728.1	593.0	2,999.2	2,896.8	102.44	29.278		
16,500.0	10,609.0	19,469.3	13,591.0	103.5	109.1	-173.68	-5,828.1	593.8	2,999.2	2,895.3	103.91	28.862		
16,600.0	10,609.0	19,569.3	13,591.0	105.0	110.5	-173.68	-5,928.1	594.6	2,999.2	2,893.8	105.39	28.457		
16,700.0	10,609.0	19,669.3	13,591.0	106.6	112.0	-173.68	-6,028.1	595.4	2,999.2	2,892.3	106.88	28.062		
16,800.0	10,609.0	19,769.3	13,591.0	108.1	113.5	-173.68	-6,128.1	596.2	2,999.2	2,890.8	108.37	27.677		
16,900.0	10,609.0	19,869.3	13,591.0	109.7	115.0	-173.68	-6,228.1	597.1	2,999.2	2,889.3	109.86	27.301		
17,000.0	10,609.0	19,969.3	13,591.0	111.2	116.5	-173.68	-6,328.1	597.9	2,999.2	2,887.9	111.35	26.935		
17,100.0	10,609.0	20,069.3	13,591.0	112.8	118.0	-173.68	-6,428.1	598.7	2,999.2	2,886.4	112.85	26.578		
17,200.0	10,609.0	20,169.3	13,591.0	114.3	119.5	-173.68	-6,528.1	599.5	2,999.2	2,884.9	114.34	26.229		
17,300.0	10,609.0	20,269.3	13,591.0	115.9	121.0	-173.68	-6,628.1	600.4	2,999.2	2,883.4	115.85	25.889		
17,400.0	10,609.0	20,369.3	13,591.0	117.5	122.5	-173.68	-6,728.1	601.2	2,999.2	2,881.8	117.35	25.558		
17,500.0	10,609.0	20,469.3	13,591.0	119.0	124.0	-173.68	-6,828.0	602.0	2,999.2	2,880.3	118.86	25.234		
17,600.0	10,609.0	20,569.3	13,591.0	120.6	125.6	-173.68	-6,928.0	602.8	2,999.2	2,878.8	120.37	24.917		
17,700.0	10,609.0	20,669.3	13,591.0	122.2	127.1	-173.68	-7,028.0	603.7	2,999.2	2,877.3	121.88	24.608		
17,800.0	10,609.0	20,769.3	13,591.0	123.7	128.6	-173.68	-7,128.0	604.5	2,999.2	2,875.8	123.39	24.306		
17,900.0	10,609.0	20,869.3	13,591.0	125.3	130.1	-173.68	-7,228.0	605.3	2,999.2	2,874.3	124.91	24.011		
18,000.0	10,609.0	20,969.3	13,591.0	126.9	131.7	-173.68	-7,328.0	606.1	2,999.2	2,872.8	126.43	23.723		
18,100.0	10,609.0	21,069.3	13,591.0	128.5	133.2	-173.68	-7,428.0	606.9	2,999.2	2,871.3	127.95	23.441		
18,200.0	10,609.0	21,169.3	13,591.0	130.1	134.8	-173.68	-7,528.0	607.8	2,999.2	2,869.7	129.47	23.166		
18,300.0	10,609.0	21,269.3	13,591.0	131.6	136.3	-173.68	-7,628.0	608.6	2,999.2	2,868.2	130.99	22.896		
18,400.0	10,609.0	21,369.3	13,591.0	133.2	137.8	-173.68	-7,728.0	609.4	2,999.2	2,866.7	132.52	22.632		
18,500.0	10,609.0	21,469.3	13,591.0	134.8	139.4	-173.68	-7,828.0	610.2	2,999.2	2,865.2	134.04	22.375		
18,600.0	10,609.0	21,569.3	13,591.0	136.4	140.9	-173.68	-7,928.0	611.1	2,999.2	2,863.6	135.57	22.122		
18,700.0	10,609.0	21,669.3	13,591.0	138.0	142.5	-173.68	-8,028.0	611.9	2,999.2	2,862.1	137.10	21.875		
18,800.0	10,609.0	21,769.3	13,591.0	139.6	144.0	-173.68	-8,128.0	612.7	2,999.2	2,860.6	138.64	21.633		
18,900.0	10,609.0	21,869.3	13,591.0	141.2	145.6	-173.68	-8,228.0	613.5	2,999.2	2,859.0	140.17	21.397		
19,000.0	10,609.0	21,969.3	13,591.0	142.8	147.1	-173.68	-8,328.0	614.3	2,999.2	2,857.5	141.71	21.165		
19,100.0	10,609.0	22,069.3	13,591.0	144.4	148.7	-173.68	-8,428.0	615.2	2,999.2	2,856.0	143.24	20.938		
19,200.0	10,609.0	22,169.3	13,591.0	146.0	150.3	-173.68	-8,528.0	616.0	2,999.2	2,854.4	144.78	20.715		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Offset Design Voni - Voni Fed Com #244H - Wellbore #1 - BLM Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
19,300.0	10,609.0	22,269.3	13,591.0	147.6	151.8	-173.68	-8,628.0	616.8	2,999.2	2,852.9	146.32	20.498		
19,400.0	10,609.0	22,369.3	13,591.0	149.2	153.4	-173.68	-8,728.0	617.6	2,999.2	2,851.3	147.86	20.284		
19,500.0	10,609.0	22,469.3	13,591.0	150.8	155.0	-173.68	-8,828.0	618.5	2,999.2	2,849.8	149.40	20.075		
19,600.0	10,609.0	22,569.3	13,591.0	152.4	156.5	-173.68	-8,928.0	619.3	2,999.2	2,848.3	150.95	19.869		
19,700.0	10,609.0	22,669.3	13,591.0	154.0	158.1	-173.68	-9,028.0	620.1	2,999.2	2,846.7	152.49	19.668		
19,800.0	10,609.0	22,769.3	13,591.0	155.6	159.7	-173.68	-9,128.0	620.9	2,999.2	2,845.2	154.04	19.471		
19,900.0	10,609.0	22,869.3	13,591.0	157.2	161.2	-173.68	-9,228.0	621.8	2,999.2	2,843.6	155.58	19.277		
20,000.0	10,609.0	22,969.3	13,591.0	158.8	162.8	-173.68	-9,328.0	622.6	2,999.2	2,842.1	157.13	19.087		
20,100.0	10,609.0	23,069.3	13,591.0	160.4	164.4	-173.68	-9,428.0	623.4	2,999.2	2,840.5	158.68	18.901		
20,200.0	10,609.0	23,169.3	13,591.0	162.0	166.0	-173.68	-9,528.0	624.2	2,999.2	2,839.0	160.23	18.718		
20,300.0	10,609.0	23,269.3	13,591.0	163.6	167.6	-173.68	-9,628.0	625.0	2,999.2	2,837.4	161.78	18.539		
20,400.0	10,609.0	23,369.3	13,591.0	165.2	169.1	-173.68	-9,728.0	625.9	2,999.2	2,835.9	163.33	18.363		
20,500.0	10,609.0	23,469.3	13,591.0	166.8	170.7	-173.68	-9,827.9	626.7	2,999.2	2,834.3	164.88	18.190		
20,600.0	10,609.0	23,569.3	13,591.0	168.4	172.3	-173.68	-9,927.9	627.5	2,999.2	2,832.8	166.44	18.020		
20,700.0	10,609.0	23,669.3	13,591.0	170.0	173.9	-173.68	-10,027.9	628.3	2,999.2	2,831.2	167.99	17.853		
20,800.0	10,609.0	23,769.3	13,591.0	171.7	175.5	-173.68	-10,127.9	629.2	2,999.2	2,829.7	169.55	17.689		
20,900.0	10,609.0	23,869.3	13,591.0	173.3	177.1	-173.68	-10,227.9	630.0	2,999.2	2,828.1	171.10	17.528		
21,000.0	10,609.0	23,969.3	13,591.0	174.9	178.6	-173.68	-10,327.9	630.8	2,999.2	2,826.5	172.66	17.370		
21,100.0	10,609.0	24,069.3	13,591.0	176.5	180.2	-173.68	-10,427.9	631.6	2,999.2	2,825.0	174.22	17.215		
21,200.0	10,609.0	24,169.3	13,591.0	178.1	181.8	-173.68	-10,527.9	632.4	2,999.2	2,823.4	175.78	17.062		
21,300.0	10,609.0	24,269.3	13,591.0	179.7	183.4	-173.68	-10,627.9	633.3	2,999.2	2,821.9	177.34	16.912		
21,400.0	10,609.0	24,369.3	13,591.0	181.3	185.0	-173.68	-10,727.9	634.1	2,999.2	2,820.3	178.90	16.765		
21,500.0	10,609.0	24,469.3	13,591.0	183.0	186.6	-173.68	-10,827.9	634.9	2,999.2	2,818.7	180.46	16.620		
21,600.0	10,609.0	24,569.3	13,591.0	184.6	188.2	-173.68	-10,927.9	635.7	2,999.2	2,817.2	182.02	16.477		
21,700.0	10,609.0	24,669.3	13,591.0	186.2	189.8	-173.68	-11,027.9	636.6	2,999.2	2,815.6	183.58	16.337		
21,800.0	10,609.0	24,769.3	13,591.0	187.8	191.4	-173.68	-11,127.9	637.4	2,999.2	2,814.1	185.15	16.199		
21,900.0	10,609.0	24,869.3	13,591.0	189.4	193.0	-173.68	-11,227.9	638.2	2,999.2	2,812.5	186.71	16.063		
22,000.0	10,609.0	24,969.3	13,591.0	191.1	194.6	-173.68	-11,327.9	639.0	2,999.2	2,810.9	188.27	15.930		
22,100.0	10,609.0	25,069.3	13,591.0	192.7	196.2	-173.68	-11,427.9	639.9	2,999.2	2,809.4	189.84	15.799		
22,200.0	10,609.0	25,169.3	13,591.0	194.3	197.8	-173.68	-11,527.9	640.7	2,999.2	2,807.8	191.40	15.669		
22,300.0	10,609.0	25,269.3	13,591.0	195.9	199.4	-173.68	-11,627.9	641.5	2,999.2	2,806.2	192.97	15.542		
22,400.0	10,609.0	25,369.3	13,591.0	197.5	201.0	-173.68	-11,727.9	642.3	2,999.2	2,804.7	194.54	15.417		
22,500.0	10,609.0	25,469.3	13,591.0	199.2	202.6	-173.68	-11,827.9	643.1	2,999.2	2,803.1	196.10	15.294		
22,600.0	10,609.0	25,569.3	13,591.0	200.8	204.2	-173.68	-11,927.9	644.0	2,999.2	2,801.5	197.67	15.173		
22,700.0	10,609.0	25,669.3	13,591.0	202.4	205.8	-173.68	-12,027.9	644.8	2,999.2	2,800.0	199.24	15.053		
22,800.0	10,609.0	25,769.3	13,591.0	204.0	207.4	-173.68	-12,127.9	645.6	2,999.2	2,798.4	200.81	14.936		
22,900.0	10,609.0	25,869.3	13,591.0	205.7	209.0	-173.68	-12,227.9	646.4	2,999.2	2,796.8	202.38	14.820		
22,900.2	10,609.0	25,869.5	13,591.0	205.7	209.0	-173.68	-12,228.1	646.4	2,999.2	2,796.8	202.38	14.820		
23,000.0	10,609.0	25,941.4	13,591.0	207.3	210.2	-173.68	-12,299.9	647.0	2,999.3	2,795.7	203.66	14.727		
23,100.0	10,609.0	25,941.4	13,591.0	208.9	210.2	-173.68	-12,299.9	647.0	3,001.9	2,797.8	204.09	14.709		
23,112.4	10,609.0	25,941.4	13,591.0	209.1	210.2	-173.68	-12,299.9	647.0	3,002.5	2,798.4	204.13	14.709		
23,112.9	10,609.0	25,941.4	13,591.0	209.1	210.2	-173.68	-12,299.9	647.0	3,002.5	2,798.3	204.22	14.703		

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3221.5usft

Offset Depths are relative to Offset Datum

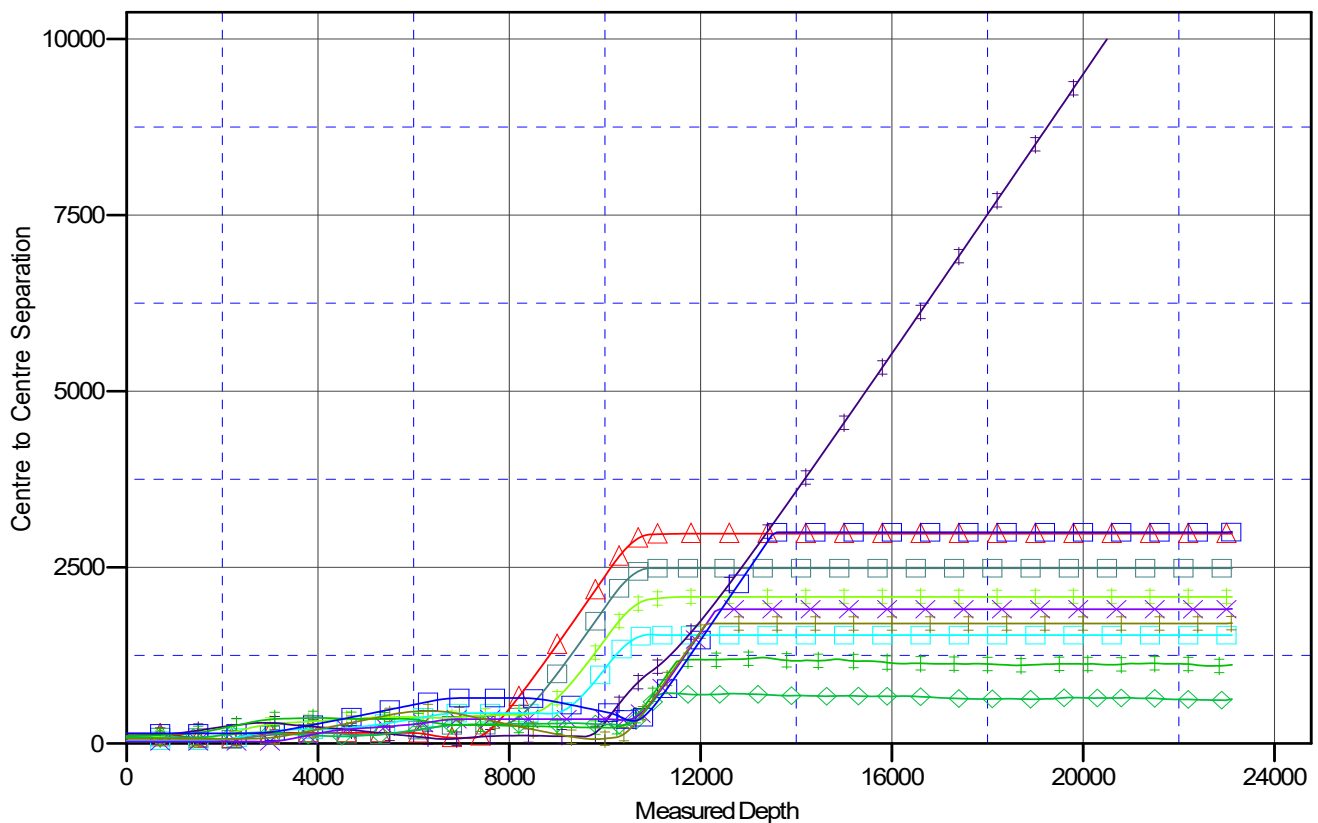
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Voni Fed Com #134H

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

Grid Convergence at Surface is: 0.29°

Ladder Plot



LEGEND

▲ Voni Fed Com #024H Wellbore #1, BLM Plan #1 V0	▲ Voni Fed Com #124H Wellbore #1, Wellbore #1 V0	▲ Voni Fed Com #228H Wellbore #1, BLM Plan #1 V0
▲ Voni Fed Com #104H Wellbore #1, BLM Plan #1 V0	▲ Voni Fed Com #204H Wellbore #1, Wellbore #1 V0	▲ Voni Fed Com #244H Wellbore #1, BLM Plan #1 V0
▲ Voni Fed Com #108H Wellbore #1, BLM Plan #1 V0	▲ Voni Fed Com #218H Wellbore #1, Wellbore #1 V0	
▲ Voni Fed Com #114H Wellbore #1, BLM Plan #1 V0	▲ Voni Fed Com #224H Wellbore #1, BLM Plan #1 V0	

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



Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Project:	Rustler Breaks	TVD Reference:	KB @ 3221.5usft
Reference Site:	Voni	MD Reference:	KB @ 3221.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Single User Db
Reference Design:	BLM Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3221.5usft

Offset Depths are relative to Offset Datum

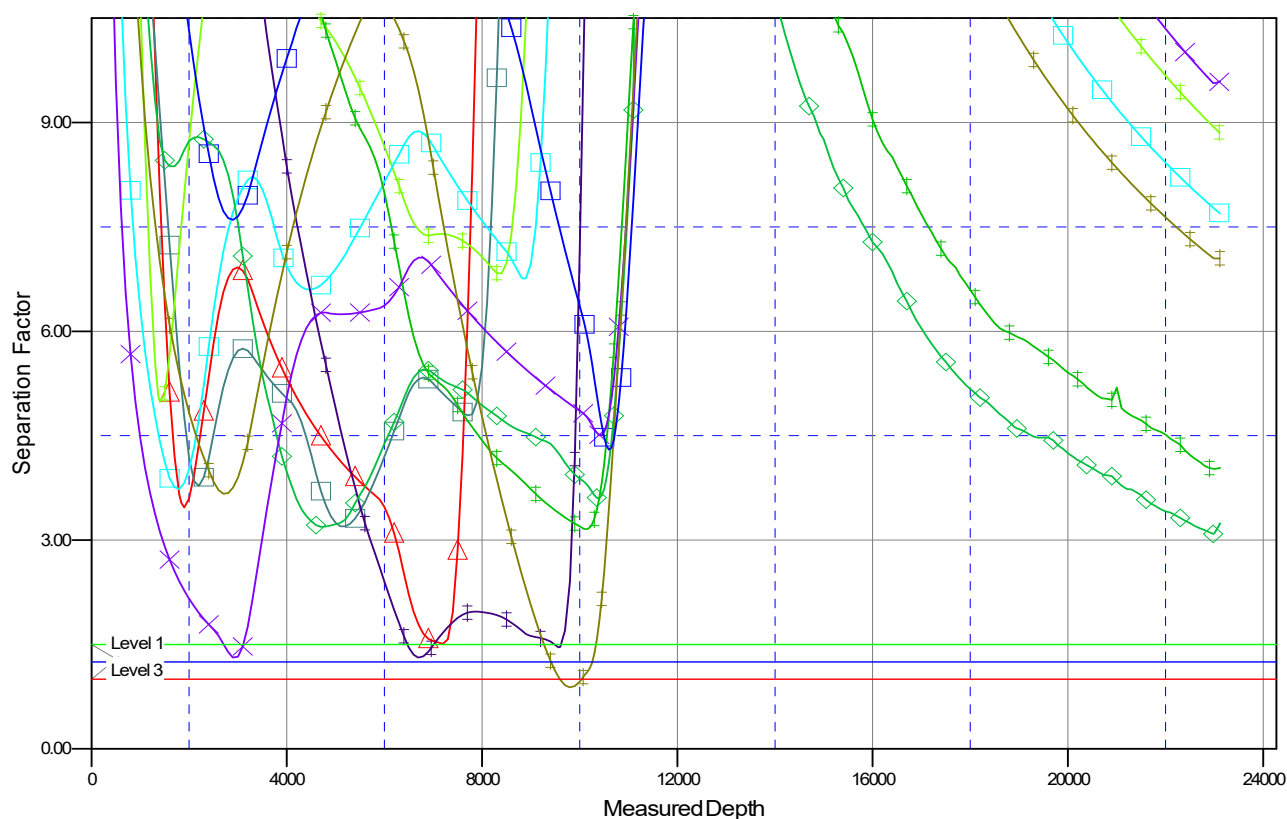
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Voni Fed Com #134H

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

Grid Convergence at Surface is: 0.29°

Separation Factor Plot



LEGEND

Voni Fed Com #024H Wellbore #1, BLM Plan #1 V0	Voni Fed Com #124H Wellbore #1, Wellbore #1 V0	Voni Fed Com #228H Wellbore #1, BLM Plan #1 V0
Voni Fed Com #104H Wellbore #1, BLM Plan #1 V0	Voni Fed Com #204H Wellbore #1, Wellbore #1 V0	Voni Fed Com #244H Wellbore #1, BLM Plan #1 V0
Voni Fed Com #108H Wellbore #1, BLM Plan #1 V0	Voni Fed Com #218H Wellbore #1, Wellbore #1 V0	
Voni Fed Com #114H Wellbore #1, BLM Plan #1 V0	Voni Fed Com #224H Wellbore #1, BLM Plan #1 V0	

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



SURVEY PROGRAM

WELL DETAILS: Voni Fed Com #134H

Depth From	Depth To	Survey/Plan	Tool				GL @ 3193.0	KB @ 3221.5usft		
0.0	23112.4	BLM Plan #2 (Wellbore #1)	MWD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
				0.0	0.0	376735.40	672056.75	32° 2' 4.360 N	103° 46' 41.151 W	

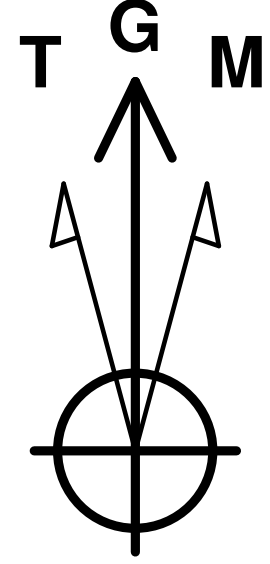
Company: Matador Production Company
Well: Voni Fed Com #134H
County: Eddy County, New Mexico
Wellbore: Wellbore #1
Plan: BLM Plan #2
Date: 2/24/2021

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
VP - Voni Fed Com #134H	10036.0	243.6	468.3	376979.00	672525.00	32° 2' 6.747 N	103° 46' 35.697 W
BHL - Voni Fed Com #134H	10609.0	-12443.0	318.3	364291.40	672375.05	32° 0' 1.195 N	103° 46' 38.198 W

SECTION DETAILS

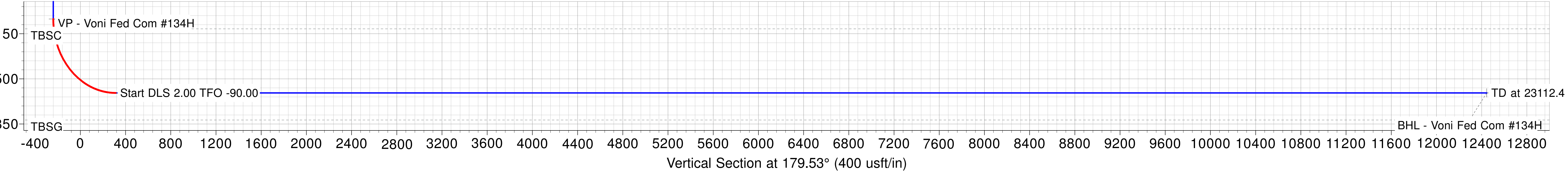
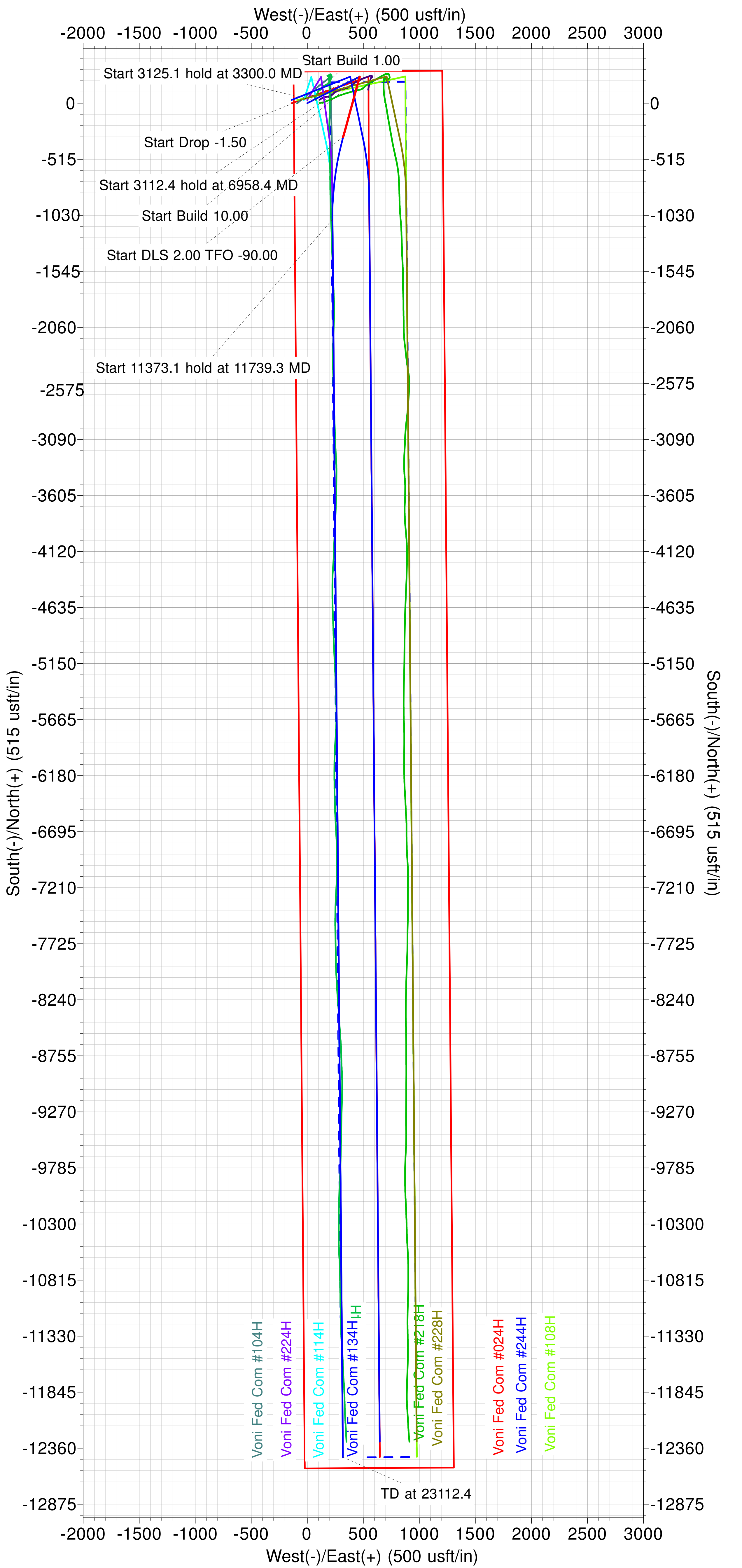
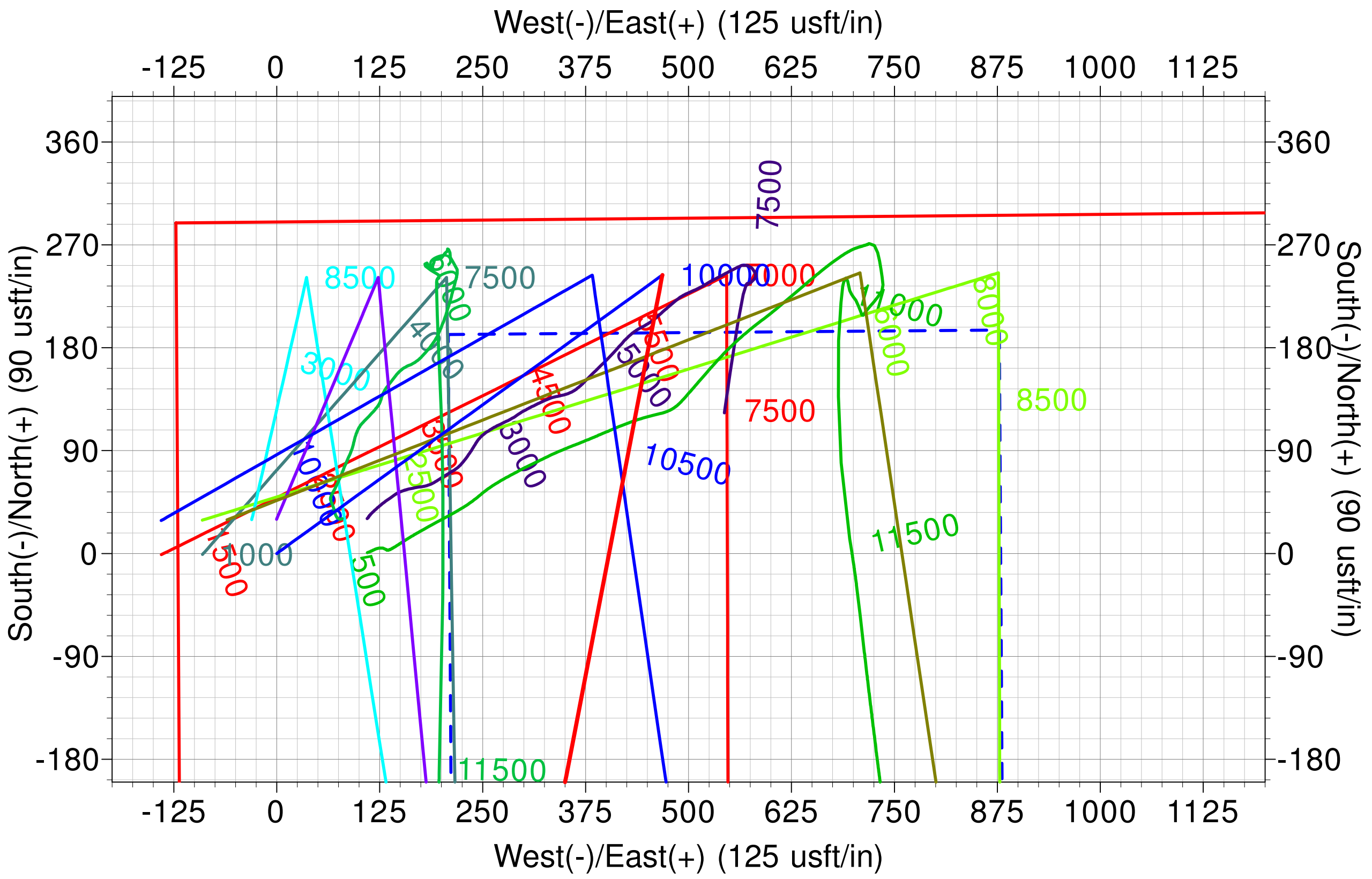
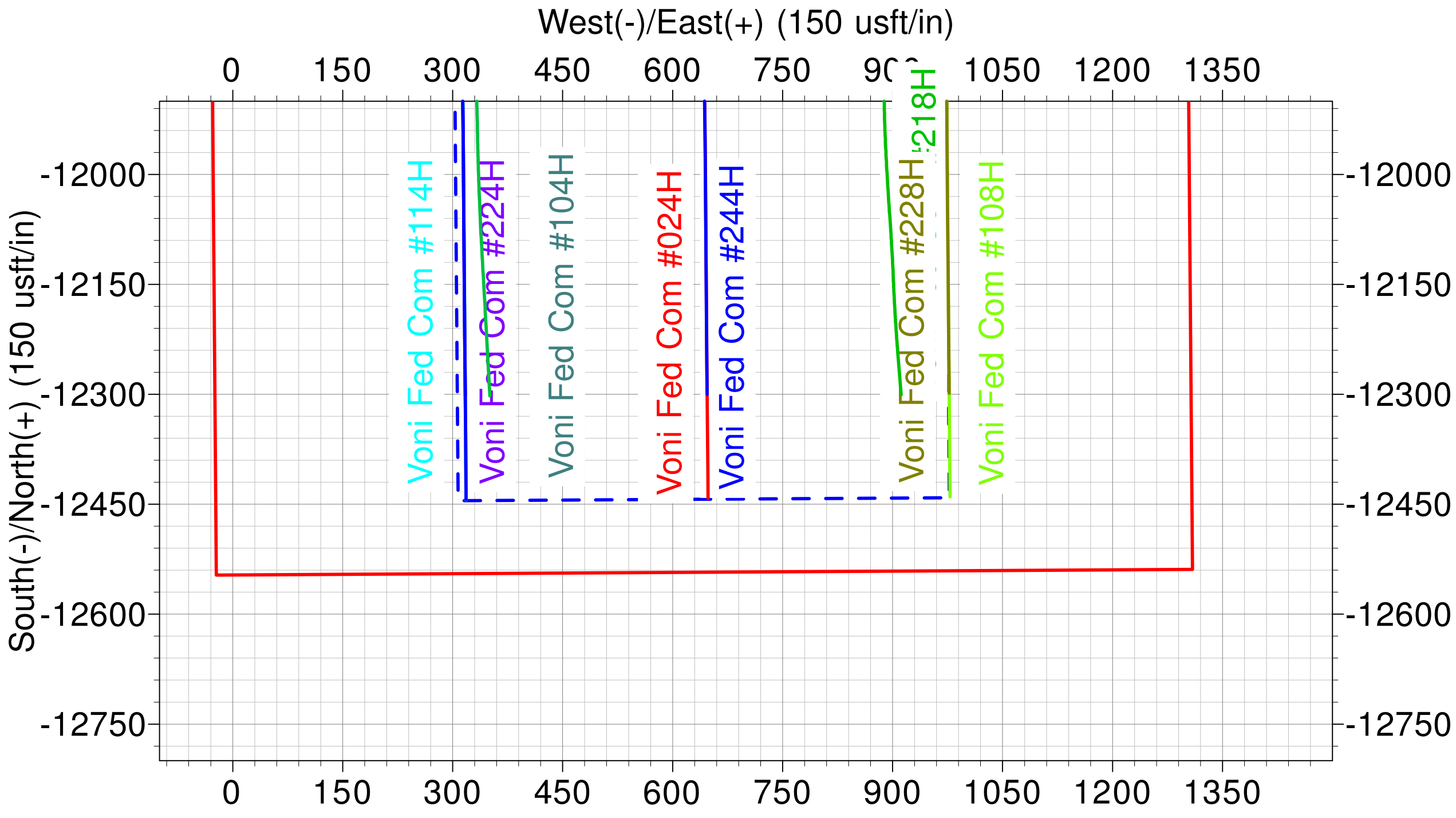
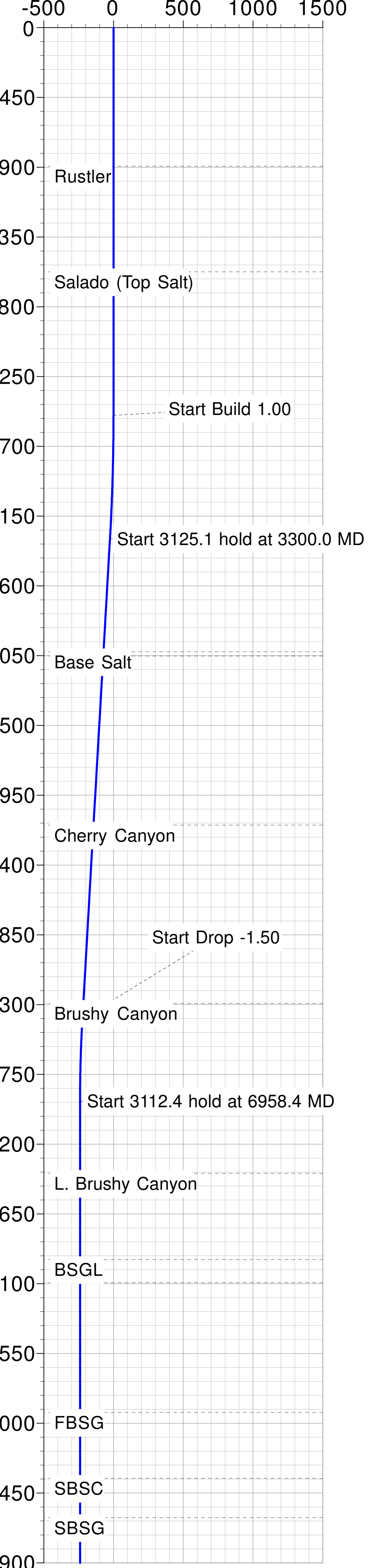
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 1.00
3300.0	8.00	62.51	3297.4	25.7	49.5	1.00	62.51	-25.3	Start 3125.1 hold at 3300.0 MD
6425.1	8.00	62.51	6392.0	226.5	435.3	0.00	0.00	-222.9	Start Drop -1.50
6958.4	0.00	0.00	6923.6	243.6	468.3	1.50	180.00	-239.8	Start 3112.4 hold at 6958.4 MD
10070.7	0.00	0.00	10036.0	243.6	468.3	0.00	0.00	-239.8	Start Build 10.00
10970.7	90.00	194.90	10609.0	-310.1	321.0	10.00	194.90	312.7	Start DLS 2.00 TFO -90.00
11739.3	90.00	179.53	10609.0	-1070.3	224.7	2.00	-90.00	1072.1	Start 11373.1 hold at 11739.3 MD
23112.4	90.00	179.53	10609.0	-12443.0	318.3	0.00	0.00	12445.2	TD at 23112.4



Azimuths to Grid North
True North: -0.29°
Magnetic North: 6.34°

Magnetic Field
Strength: 47427.6snT
Dip Angle: 59.81°
Date: 2/24/2021
Model: IGRF2015

Vertical Section at 179.53° (500 usft/in)





Matador Production Company

Rustler Breaks

Voni

Voni Fed Com #134H

Wellbore #1

Plan: BLM Plan #2

Standard Planning Report

24 February, 2021



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

Project	Rustler Breaks,		
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		Using geodetic scale factor

Site	Voni				
Site Position:		Northing:	376,651.72 usft	Latitude:	32° 2' 3.721 N
From:	Lat/Long	Easting:	668,298.64 usft	Longitude:	103° 47' 24.814 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.29 °

Well	Voni Fed Com #134H					
Well Position	+N/-S	83.7 usft	Northing:	376,735.40 usft	Latitude:	32° 2' 4.360 N
	+E/-W	3,758.3 usft	Easting:	672,056.74 usft	Longitude:	103° 46' 41.151 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,193.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/24/2021	6.63	59.81	47,427.63924252

Design	BLM Plan #2				
Audit Notes:					
Version:	1	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)		+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0		0.0	0.0	179.53

Plan Survey Tool Program	Date	2/24/2021			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	23,112.4	BLM Plan #2 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,300.0	8.00	62.51	3,297.4	25.7	49.5	1.00	1.00	0.00	62.51	
6,425.1	8.00	62.51	6,392.0	226.5	435.3	0.00	0.00	0.00	0.00	
6,958.4	0.00	0.00	6,923.6	243.6	468.3	1.50	-1.50	0.00	180.00	
10,070.7	0.00	0.00	10,036.0	243.6	468.3	0.00	0.00	0.00	0.00	VP - Voni Fed Com #
10,970.7	90.00	194.90	10,609.0	-310.1	321.0	10.00	10.00	0.00	194.90	
11,739.3	90.00	179.53	10,609.0	-1,070.3	224.7	2.00	0.00	-2.00	-90.00	
23,112.4	90.00	179.53	10,609.0	-12,443.0	318.3	0.00	0.00	0.00	0.00	BHL - Voni Fed Com #



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
893.6	0.00	0.00	893.6	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,574.6	0.00	0.00	1,574.6	0.0	0.0	0.0	0.00	0.00	0.00
Salado (Top Salt)									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
2,600.0	1.00	62.51	2,600.0	0.4	0.8	-0.4	1.00	1.00	0.00
2,700.0	2.00	62.51	2,700.0	1.6	3.1	-1.6	1.00	1.00	0.00
2,800.0	3.00	62.51	2,799.9	3.6	7.0	-3.6	1.00	1.00	0.00
2,900.0	4.00	62.51	2,899.7	6.4	12.4	-6.3	1.00	1.00	0.00
3,000.0	5.00	62.51	2,999.4	10.1	19.3	-9.9	1.00	1.00	0.00
3,100.0	6.00	62.51	3,098.9	14.5	27.8	-14.3	1.00	1.00	0.00
3,200.0	7.00	62.51	3,198.3	19.7	37.9	-19.4	1.00	1.00	0.00
3,300.0	8.00	62.51	3,297.4	25.7	49.5	-25.3	1.00	1.00	0.00
Start 3125.1 hold at 3300.0 MD									
3,400.0	8.00	62.51	3,396.4	32.2	61.8	-31.6	0.00	0.00	0.00
3,500.0	8.00	62.51	3,495.5	38.6	74.2	-38.0	0.00	0.00	0.00
3,600.0	8.00	62.51	3,594.5	45.0	86.5	-44.3	0.00	0.00	0.00
3,700.0	8.00	62.51	3,693.5	51.4	98.9	-50.6	0.00	0.00	0.00
3,800.0	8.00	62.51	3,792.5	57.8	111.2	-56.9	0.00	0.00	0.00
3,900.0	8.00	62.51	3,891.6	64.3	123.5	-63.3	0.00	0.00	0.00
4,000.0	8.00	62.51	3,990.6	70.7	135.9	-69.6	0.00	0.00	0.00
4,035.0	8.00	62.51	4,025.3	72.9	140.2	-71.8	0.00	0.00	0.00
Base Salt									
4,062.5	8.00	62.51	4,052.5	74.7	143.6	-73.5	0.00	0.00	0.00
Bell Canyon									
4,100.0	8.00	62.51	4,089.6	77.1	148.2	-75.9	0.00	0.00	0.00
4,200.0	8.00	62.51	4,188.6	83.5	160.6	-82.2	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
4,300.0	8.00	62.51	4,287.7	90.0	172.9	-88.5	0.00	0.00	0.00
4,400.0	8.00	62.51	4,386.7	96.4	185.3	-94.9	0.00	0.00	0.00
4,500.0	8.00	62.51	4,485.7	102.8	197.6	-101.2	0.00	0.00	0.00
4,600.0	8.00	62.51	4,584.8	109.2	210.0	-107.5	0.00	0.00	0.00
4,700.0	8.00	62.51	4,683.8	115.7	222.3	-113.8	0.00	0.00	0.00
4,800.0	8.00	62.51	4,782.8	122.1	234.7	-120.2	0.00	0.00	0.00
4,900.0	8.00	62.51	4,881.8	128.5	247.0	-126.5	0.00	0.00	0.00
5,000.0	8.00	62.51	4,980.9	134.9	259.4	-132.8	0.00	0.00	0.00
5,100.0	8.00	62.51	5,079.9	141.3	271.7	-139.1	0.00	0.00	0.00
5,163.3	8.00	62.51	5,142.6	145.4	279.5	-143.1	0.00	0.00	0.00
Cherry Canyon									
5,200.0	8.00	62.51	5,178.9	147.8	284.0	-145.4	0.00	0.00	0.00
5,300.0	8.00	62.51	5,277.9	154.2	296.4	-151.8	0.00	0.00	0.00
5,400.0	8.00	62.51	5,377.0	160.6	308.7	-158.1	0.00	0.00	0.00
5,500.0	8.00	62.51	5,476.0	167.0	321.1	-164.4	0.00	0.00	0.00
5,600.0	8.00	62.51	5,575.0	173.5	333.4	-170.7	0.00	0.00	0.00
5,700.0	8.00	62.51	5,674.0	179.9	345.8	-177.0	0.00	0.00	0.00
5,800.0	8.00	62.51	5,773.1	186.3	358.1	-183.4	0.00	0.00	0.00
5,900.0	8.00	62.51	5,872.1	192.7	370.5	-189.7	0.00	0.00	0.00
6,000.0	8.00	62.51	5,971.1	199.2	382.8	-196.0	0.00	0.00	0.00
6,100.0	8.00	62.51	6,070.2	205.6	395.2	-202.3	0.00	0.00	0.00
6,200.0	8.00	62.51	6,169.2	212.0	407.5	-208.7	0.00	0.00	0.00
6,300.0	8.00	62.51	6,268.2	218.4	419.9	-215.0	0.00	0.00	0.00
6,324.0	8.00	62.51	6,292.0	220.0	422.8	-216.5	0.00	0.00	0.00
Brushy Canyon									
6,400.0	8.00	62.51	6,367.2	224.8	432.2	-221.3	0.00	0.00	0.00
6,425.1	8.00	62.51	6,392.0	226.5	435.3	-222.9	0.00	0.00	0.00
Start Drop -1.50									
6,500.0	6.88	62.51	6,466.4	230.9	443.9	-227.3	1.50	-1.50	0.00
6,600.0	5.38	62.51	6,565.8	235.9	453.4	-232.1	1.50	-1.50	0.00
6,700.0	3.88	62.51	6,665.5	239.6	460.5	-235.8	1.50	-1.50	0.00
6,800.0	2.38	62.51	6,765.3	242.1	465.4	-238.3	1.50	-1.50	0.00
6,900.0	0.88	62.51	6,865.3	243.4	467.9	-239.6	1.50	-1.50	0.00
6,958.4	0.00	0.00	6,923.6	243.6	468.3	-239.8	1.50	-1.50	0.00
Start 3112.4 hold at 6958.4 MD									
7,000.0	0.00	0.00	6,965.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,100.0	0.00	0.00	7,065.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,165.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,265.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,365.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,422.8	0.00	0.00	7,388.1	243.6	468.3	-239.8	0.00	0.00	0.00
L. Brushy Canyon									
7,500.0	0.00	0.00	7,465.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,565.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,665.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,800.0	0.00	0.00	7,765.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,865.3	243.6	468.3	-239.8	0.00	0.00	0.00
7,979.0	0.00	0.00	7,944.3	243.6	468.3	-239.8	0.00	0.00	0.00
BSGL									
8,000.0	0.00	0.00	7,965.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,100.0	0.00	0.00	8,065.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,127.9	0.00	0.00	8,093.1	243.6	468.3	-239.8	0.00	0.00	0.00
Avalon-SS									



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
8,200.0	0.00	0.00	8,165.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,265.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,365.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,465.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,565.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,700.0	0.00	0.00	8,665.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,800.0	0.00	0.00	8,765.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,900.0	0.00	0.00	8,865.3	243.6	468.3	-239.8	0.00	0.00	0.00
8,965.0	0.00	0.00	8,930.3	243.6	468.3	-239.8	0.00	0.00	0.00
FBSG									
9,000.0	0.00	0.00	8,965.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,100.0	0.00	0.00	9,065.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,200.0	0.00	0.00	9,165.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,300.0	0.00	0.00	9,265.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,390.3	0.00	0.00	9,355.5	243.6	468.3	-239.8	0.00	0.00	0.00
SBSC									
9,400.0	0.00	0.00	9,365.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,500.0	0.00	0.00	9,465.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,600.0	0.00	0.00	9,565.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,643.7	0.00	0.00	9,609.0	243.6	468.3	-239.8	0.00	0.00	0.00
SBSG									
9,700.0	0.00	0.00	9,665.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,800.0	0.00	0.00	9,765.3	243.6	468.3	-239.8	0.00	0.00	0.00
9,900.0	0.00	0.00	9,865.3	243.6	468.3	-239.8	0.00	0.00	0.00
10,000.0	0.00	0.00	9,965.3	243.6	468.3	-239.8	0.00	0.00	0.00
10,070.7	0.00	0.00	10,036.0	243.6	468.3	-239.8	0.00	0.00	0.00
Start Build 10.00 - VP - Voni Fed Com #134H									
10,100.0	2.93	194.90	10,065.2	242.9	468.1	-239.0	10.00	10.00	0.00
10,146.9	7.62	194.90	10,112.0	238.7	467.0	-234.9	10.00	10.00	0.00
TBSC									
10,200.0	12.93	194.90	10,164.2	229.6	464.5	-225.8	10.00	10.00	0.00
10,300.0	22.93	194.90	10,259.2	199.9	456.6	-196.1	10.00	10.00	0.00
10,400.0	32.93	194.90	10,347.4	154.7	444.6	-151.0	10.00	10.00	0.00
10,500.0	42.93	194.90	10,426.2	95.4	428.8	-91.8	10.00	10.00	0.00
10,600.0	52.93	194.90	10,493.1	23.7	409.8	-20.4	10.00	10.00	0.00
10,700.0	62.93	194.90	10,546.2	-58.1	388.0	61.3	10.00	10.00	0.00
10,800.0	72.93	194.90	10,583.7	-147.5	364.2	150.5	10.00	10.00	0.00
10,900.0	82.93	194.90	10,604.6	-241.9	339.1	244.7	10.00	10.00	0.00
10,970.7	90.00	194.90	10,609.0	-310.1	321.0	312.7	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
11,000.0	90.00	194.31	10,609.0	-338.4	313.6	341.0	2.00	0.00	-2.00
11,100.0	90.00	192.31	10,609.0	-435.7	290.5	438.1	2.00	0.00	-2.00
11,200.0	90.00	190.31	10,609.0	-533.7	270.9	536.0	2.00	0.00	-2.00
11,300.0	90.00	188.31	10,609.0	-632.4	254.7	634.5	2.00	0.00	-2.00
11,400.0	90.00	186.31	10,609.0	-731.6	242.0	733.6	2.00	0.00	-2.00
11,500.0	90.00	184.31	10,609.0	-831.2	232.7	833.1	2.00	0.00	-2.00
11,600.0	90.00	182.31	10,609.0	-931.0	227.0	932.8	2.00	0.00	-2.00
11,700.0	90.00	180.31	10,609.0	-1,031.0	224.7	1,032.8	2.00	0.00	-2.00
11,739.3	90.00	179.53	10,609.0	-1,070.3	224.7	1,072.1	2.00	0.00	-2.00
Start 11739.1 hold at 11739.3 MD									
11,800.0	90.00	179.53	10,609.0	-1,131.0	225.2	1,132.8	0.00	0.00	0.00
11,900.0	90.00	179.53	10,609.0	-1,231.0	226.0	1,232.8	0.00	0.00	0.00
12,000.0	90.00	179.53	10,609.0	-1,331.0	226.9	1,332.8	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
12,100.0	90.00	179.53	10,609.0	-1,431.0	227.7	1,432.8	0.00	0.00	0.00
12,200.0	90.00	179.53	10,609.0	-1,531.0	228.5	1,532.8	0.00	0.00	0.00
12,300.0	90.00	179.53	10,609.0	-1,630.9	229.3	1,632.8	0.00	0.00	0.00
12,400.0	90.00	179.53	10,609.0	-1,730.9	230.2	1,732.8	0.00	0.00	0.00
12,500.0	90.00	179.53	10,609.0	-1,830.9	231.0	1,832.8	0.00	0.00	0.00
12,600.0	90.00	179.53	10,609.0	-1,930.9	231.8	1,932.8	0.00	0.00	0.00
12,700.0	90.00	179.53	10,609.0	-2,030.9	232.6	2,032.8	0.00	0.00	0.00
12,800.0	90.00	179.53	10,609.0	-2,130.9	233.4	2,132.8	0.00	0.00	0.00
12,900.0	90.00	179.53	10,609.0	-2,230.9	234.3	2,232.8	0.00	0.00	0.00
13,000.0	90.00	179.53	10,609.0	-2,330.9	235.1	2,332.8	0.00	0.00	0.00
13,100.0	90.00	179.53	10,609.0	-2,430.9	235.9	2,432.8	0.00	0.00	0.00
13,200.0	90.00	179.53	10,609.0	-2,530.9	236.7	2,532.8	0.00	0.00	0.00
13,300.0	90.00	179.53	10,609.0	-2,630.9	237.6	2,632.8	0.00	0.00	0.00
13,400.0	90.00	179.53	10,609.0	-2,730.9	238.4	2,732.8	0.00	0.00	0.00
13,500.0	90.00	179.53	10,609.0	-2,830.9	239.2	2,832.8	0.00	0.00	0.00
13,600.0	90.00	179.53	10,609.0	-2,930.9	240.0	2,932.8	0.00	0.00	0.00
13,700.0	90.00	179.53	10,609.0	-3,030.9	240.9	3,032.8	0.00	0.00	0.00
13,800.0	90.00	179.53	10,609.0	-3,130.9	241.7	3,132.8	0.00	0.00	0.00
13,900.0	90.00	179.53	10,609.0	-3,230.9	242.5	3,232.8	0.00	0.00	0.00
14,000.0	90.00	179.53	10,609.0	-3,330.9	243.3	3,332.8	0.00	0.00	0.00
14,100.0	90.00	179.53	10,609.0	-3,430.9	244.1	3,432.8	0.00	0.00	0.00
14,200.0	90.00	179.53	10,609.0	-3,530.9	245.0	3,532.8	0.00	0.00	0.00
14,300.0	90.00	179.53	10,609.0	-3,630.9	245.8	3,632.8	0.00	0.00	0.00
14,400.0	90.00	179.53	10,609.0	-3,730.9	246.6	3,732.8	0.00	0.00	0.00
14,500.0	90.00	179.53	10,609.0	-3,830.9	247.4	3,832.8	0.00	0.00	0.00
14,600.0	90.00	179.53	10,609.0	-3,930.9	248.3	3,932.8	0.00	0.00	0.00
14,700.0	90.00	179.53	10,609.0	-4,030.9	249.1	4,032.8	0.00	0.00	0.00
14,800.0	90.00	179.53	10,609.0	-4,130.9	249.9	4,132.8	0.00	0.00	0.00
14,900.0	90.00	179.53	10,609.0	-4,230.9	250.7	4,232.8	0.00	0.00	0.00
15,000.0	90.00	179.53	10,609.0	-4,330.9	251.5	4,332.8	0.00	0.00	0.00
15,100.0	90.00	179.53	10,609.0	-4,430.9	252.4	4,432.8	0.00	0.00	0.00
15,200.0	90.00	179.53	10,609.0	-4,530.9	253.2	4,532.8	0.00	0.00	0.00
15,300.0	90.00	179.53	10,609.0	-4,630.8	254.0	4,632.8	0.00	0.00	0.00
15,400.0	90.00	179.53	10,609.0	-4,730.8	254.8	4,732.8	0.00	0.00	0.00
15,500.0	90.00	179.53	10,609.0	-4,830.8	255.7	4,832.8	0.00	0.00	0.00
15,600.0	90.00	179.53	10,609.0	-4,930.8	256.5	4,932.8	0.00	0.00	0.00
15,700.0	90.00	179.53	10,609.0	-5,030.8	257.3	5,032.8	0.00	0.00	0.00
15,800.0	90.00	179.53	10,609.0	-5,130.8	258.1	5,132.8	0.00	0.00	0.00
15,900.0	90.00	179.53	10,609.0	-5,230.8	258.9	5,232.8	0.00	0.00	0.00
16,000.0	90.00	179.53	10,609.0	-5,330.8	259.8	5,332.8	0.00	0.00	0.00
16,100.0	90.00	179.53	10,609.0	-5,430.8	260.6	5,432.8	0.00	0.00	0.00
16,200.0	90.00	179.53	10,609.0	-5,530.8	261.4	5,532.8	0.00	0.00	0.00
16,300.0	90.00	179.53	10,609.0	-5,630.8	262.2	5,632.8	0.00	0.00	0.00
16,400.0	90.00	179.53	10,609.0	-5,730.8	263.1	5,732.8	0.00	0.00	0.00
16,500.0	90.00	179.53	10,609.0	-5,830.8	263.9	5,832.8	0.00	0.00	0.00
16,600.0	90.00	179.53	10,609.0	-5,930.8	264.7	5,932.8	0.00	0.00	0.00
16,700.0	90.00	179.53	10,609.0	-6,030.8	265.5	6,032.8	0.00	0.00	0.00
16,800.0	90.00	179.53	10,609.0	-6,130.8	266.3	6,132.8	0.00	0.00	0.00
16,900.0	90.00	179.53	10,609.0	-6,230.8	267.2	6,232.8	0.00	0.00	0.00
17,000.0	90.00	179.53	10,609.0	-6,330.8	268.0	6,332.8	0.00	0.00	0.00
17,100.0	90.00	179.53	10,609.0	-6,430.8	268.8	6,432.8	0.00	0.00	0.00
17,200.0	90.00	179.53	10,609.0	-6,530.8	269.6	6,532.8	0.00	0.00	0.00
17,300.0	90.00	179.53	10,609.0	-6,630.8	270.5	6,632.8	0.00	0.00	0.00
17,400.0	90.00	179.53	10,609.0	-6,730.8	271.3	6,732.8	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)	
17,500.0	90.00	179.53	10,609.0	-6,830.8	272.1	6,832.8	0.00	0.00	0.00	
17,600.0	90.00	179.53	10,609.0	-6,930.8	272.9	6,932.8	0.00	0.00	0.00	
17,700.0	90.00	179.53	10,609.0	-7,030.8	273.8	7,032.8	0.00	0.00	0.00	
17,800.0	90.00	179.53	10,609.0	-7,130.8	274.6	7,132.8	0.00	0.00	0.00	
17,900.0	90.00	179.53	10,609.0	-7,230.8	275.4	7,232.8	0.00	0.00	0.00	
18,000.0	90.00	179.53	10,609.0	-7,330.8	276.2	7,332.8	0.00	0.00	0.00	
18,100.0	90.00	179.53	10,609.0	-7,430.8	277.0	7,432.8	0.00	0.00	0.00	
18,200.0	90.00	179.53	10,609.0	-7,530.7	277.9	7,532.8	0.00	0.00	0.00	
18,300.0	90.00	179.53	10,609.0	-7,630.7	278.7	7,632.8	0.00	0.00	0.00	
18,400.0	90.00	179.53	10,609.0	-7,730.7	279.5	7,732.8	0.00	0.00	0.00	
18,500.0	90.00	179.53	10,609.0	-7,830.7	280.3	7,832.8	0.00	0.00	0.00	
18,600.0	90.00	179.53	10,609.0	-7,930.7	281.2	7,932.8	0.00	0.00	0.00	
18,700.0	90.00	179.53	10,609.0	-8,030.7	282.0	8,032.8	0.00	0.00	0.00	
18,800.0	90.00	179.53	10,609.0	-8,130.7	282.8	8,132.8	0.00	0.00	0.00	
18,900.0	90.00	179.53	10,609.0	-8,230.7	283.6	8,232.8	0.00	0.00	0.00	
19,000.0	90.00	179.53	10,609.0	-8,330.7	284.4	8,332.8	0.00	0.00	0.00	
19,100.0	90.00	179.53	10,609.0	-8,430.7	285.3	8,432.8	0.00	0.00	0.00	
19,200.0	90.00	179.53	10,609.0	-8,530.7	286.1	8,532.8	0.00	0.00	0.00	
19,300.0	90.00	179.53	10,609.0	-8,630.7	286.9	8,632.8	0.00	0.00	0.00	
19,400.0	90.00	179.53	10,609.0	-8,730.7	287.7	8,732.8	0.00	0.00	0.00	
19,500.0	90.00	179.53	10,609.0	-8,830.7	288.6	8,832.8	0.00	0.00	0.00	
19,600.0	90.00	179.53	10,609.0	-8,930.7	289.4	8,932.8	0.00	0.00	0.00	
19,700.0	90.00	179.53	10,609.0	-9,030.7	290.2	9,032.8	0.00	0.00	0.00	
19,800.0	90.00	179.53	10,609.0	-9,130.7	291.0	9,132.8	0.00	0.00	0.00	
19,900.0	90.00	179.53	10,609.0	-9,230.7	291.8	9,232.8	0.00	0.00	0.00	
20,000.0	90.00	179.53	10,609.0	-9,330.7	292.7	9,332.8	0.00	0.00	0.00	
20,100.0	90.00	179.53	10,609.0	-9,430.7	293.5	9,432.8	0.00	0.00	0.00	
20,200.0	90.00	179.53	10,609.0	-9,530.7	294.3	9,532.8	0.00	0.00	0.00	
20,300.0	90.00	179.53	10,609.0	-9,630.7	295.1	9,632.8	0.00	0.00	0.00	
20,400.0	90.00	179.53	10,609.0	-9,730.7	296.0	9,732.8	0.00	0.00	0.00	
20,500.0	90.00	179.53	10,609.0	-9,830.7	296.8	9,832.8	0.00	0.00	0.00	
20,600.0	90.00	179.53	10,609.0	-9,930.7	297.6	9,932.8	0.00	0.00	0.00	
20,700.0	90.00	179.53	10,609.0	-10,030.7	298.4	10,032.8	0.00	0.00	0.00	
20,800.0	90.00	179.53	10,609.0	-10,130.7	299.3	10,132.8	0.00	0.00	0.00	
20,900.0	90.00	179.53	10,609.0	-10,230.7	300.1	10,232.8	0.00	0.00	0.00	
21,000.0	90.00	179.53	10,609.0	-10,330.7	300.9	10,332.8	0.00	0.00	0.00	
21,100.0	90.00	179.53	10,609.0	-10,430.7	301.7	10,432.8	0.00	0.00	0.00	
21,200.0	90.00	179.53	10,609.0	-10,530.6	302.5	10,532.8	0.00	0.00	0.00	
21,300.0	90.00	179.53	10,609.0	-10,630.6	303.4	10,632.8	0.00	0.00	0.00	
21,400.0	90.00	179.53	10,609.0	-10,730.6	304.2	10,732.8	0.00	0.00	0.00	
21,500.0	90.00	179.53	10,609.0	-10,830.6	305.0	10,832.8	0.00	0.00	0.00	
21,600.0	90.00	179.53	10,609.0	-10,930.6	305.8	10,932.8	0.00	0.00	0.00	
21,700.0	90.00	179.53	10,609.0	-11,030.6	306.7	11,032.8	0.00	0.00	0.00	
21,800.0	90.00	179.53	10,609.0	-11,130.6	307.5	11,132.8	0.00	0.00	0.00	
21,900.0	90.00	179.53	10,609.0	-11,230.6	308.3	11,232.8	0.00	0.00	0.00	
22,000.0	90.00	179.53	10,609.0	-11,330.6	309.1	11,332.8	0.00	0.00	0.00	
22,100.0	90.00	179.53	10,609.0	-11,430.6	309.9	11,432.8	0.00	0.00	0.00	
22,200.0	90.00	179.53	10,609.0	-11,530.6	310.8	11,532.8	0.00	0.00	0.00	
22,300.0	90.00	179.53	10,609.0	-11,630.6	311.6	11,632.8	0.00	0.00	0.00	
22,400.0	90.00	179.53	10,609.0	-11,730.6	312.4	11,732.8	0.00	0.00	0.00	
22,500.0	90.00	179.53	10,609.0	-11,830.6	313.2	11,832.8	0.00	0.00	0.00	
22,600.0	90.00	179.53	10,609.0	-11,930.6	314.1	11,932.8	0.00	0.00	0.00	
22,700.0	90.00	179.53	10,609.0	-12,030.6	314.9	12,032.8	0.00	0.00	0.00	
22,800.0	90.00	179.53	10,609.0	-12,130.6	315.7	12,132.8	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Voni Fed Com #134H
Company:	Matador Production Company	TVD Reference:	KB @ 3221.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3221.5usft
Site:	Voni	North Reference:	Grid
Well:	Voni Fed Com #134H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #2		

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)
22,900.0	90.00	179.53	10,609.0	-12,230.6	316.5	12,232.8	0.00	0.00	0.00
23,000.0	90.00	179.53	10,609.0	-12,330.6	317.3	12,332.8	0.00	0.00	0.00
23,100.0	90.00	179.53	10,609.0	-12,430.6	318.2	12,432.8	0.00	0.00	0.00
23,112.4	90.00	179.53	10,609.0	-12,443.0	318.3	12,445.2	0.00	0.00	0.00
TD at 23112.4 - BHL - Voni Fed Com #134H									

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
VP - Voni Fed Com #134 - plan hits target center - Point	0.00	0.01	10,036.0	243.6	468.3	376,979.00	672,525.00	32° 2' 6.747 N	103° 46' 35.697 W
BHL - Voni Fed Com #134 - plan hits target center - Point	0.00	0.00	10,609.0	-12,443.0	318.3	364,291.40	672,375.04	32° 0' 1.195 N	103° 46' 38.198 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
893.6	893.6	Rustler				
1,574.6	1,574.6	Salado (Top Salt)				
4,035.0	4,025.3	Base Salt				
4,062.5	4,052.5	Bell Canyon				
5,163.3	5,142.6	Cherry Canyon				
6,324.0	6,292.0	Brushy Canyon				
7,422.8	7,388.1	L. Brushy Canyon				
7,979.0	7,944.3	BSGL				
8,127.9	8,093.1	Avalon-SS				
8,965.0	8,930.3	FBSG				
9,390.3	9,355.5	SBSC				
9,643.7	9,609.0	SBSG				
10,146.9	10,112.0	TBSC				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,500.0	2,500.0	0.0	0.0	Start Build 1.00
3,300.0	3,297.4	25.7	49.5	Start 3125.1 hold at 3300.0 MD
6,425.1	6,392.0	226.5	435.3	Start Drop -1.50
6,958.4	6,923.6	243.6	468.3	Start 3112.4 hold at 6958.4 MD
10,070.7	10,036.0	243.6	468.3	Start Build 10.00
10,970.7	10,609.0	-310.1	321.0	Start DLS 2.00 TFO -90.00
11,739.3	10,609.0	-1,070.3	224.7	Start 11373.1 hold at 11739.3 MD
23,112.4	10,609.0	-12,443.0	318.3	TD at 23112.4

Drill Plan**Voni Fed Com 134H****SHL: 290' FNL & 1208' FEL Section 21****BHL: 100' FSL & 990' FEL Section 33****Township/Range: 26S 31E****Elevation Above Sea Level: 3192****Drilling Operation Plan**

Proposed Drilling Depth: 23112' MD / 10609' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.03533263743972 N / -103.77705672178514 W

TD Lat/Long (NAD83): 32.000457420786255 N / -103.7777496157515 W

1. Estimated Tops

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	893	893	681	Anhydrite	Barren
Salado (Top of Salt)	1,574	1,574	1,817	Salt	Barren
Castile	3,391	3,391	634	Salt	Barren
Lamar (Base of Salt)	4,025	4,025	27	Dolomite	Barren
Bell Canyon	4,052	4,052	1,090	Sandstone	Oil/Natural Gas
Cherry Canyon	5,142	5,142	1,149	Sandstone	Oil/Natural Gas
Brushy Canyon	6,291	6,291	1,610	Sandstone	Oil/Natural Gas
Bone Spring Lime	7,944	7,901	1,029	Limestone	Oil/Natural Gas
1st Bone Spring Sand	8,930	8,930	425	Sandstone	Oil/Natural Gas
2nd Bone Spring Carbonate	9,355	9,355	253	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	9,608	9,608	428	Sandstone	Oil/Natural Gas
KOP	10,070	10,036	-	Sandstone	Oil/Natural Gas
3rd Bone Spring Carb	10,146	10,112	-	Carbonate	Oil/Natural Gas
TD	23,112	10,609	-	Carbonate	Oil/Natural Gas

2. Notable Zones

3rd Bone Spring is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 230'

3. Pressure Control**Equipment**

A 12,000' 5,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Onshore Order #2 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

Testing Procedure

Drill Plan

BOP will be inspected and operated as required in 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 surface casing, a minimum 5M BOPE system will be installed. Test pressures will be 250 psi low and 5,000 psi high with the annular preventer being tested to 250 psi low and 2500 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 5M BOPE system is re-installed.

Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, and Production Strings. The BOPs will not be tested again unless any flanges are separated.

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.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

4. Casing & Cement

All casing will be API and new. See attached casing assumption worksheet.

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	17.5	0 - 1092	0 - 1092	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	9.875	0 - 9920	0 - 9886	7.625	29.7	P-110	BUTT	1.125	1.125	1.8
Production	6.75	0 - 23112	0 - 10609	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review
- Request the option to deepen the Intermediate 1 casing set depth to 80° in curve, no changes in pipe grade or weight is necessary.

Variance Request

Drill Plan

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement	Class	Blend
Surface	Lead	520	1.72	897	13.5	50%	0	C	5% NaCl + LCM
	Tail	250	1.38	347	14.8	50%	792	C	5% NaCl + LCM
Intermediate 1	Lead	710	3.66	2586	10.3	35%	0	A/C	Bentonite + 1% CaCL ₂ + 8% NaCl + LCM
	Tail	210	1.38	290	13.2	35%	8920	A/C	5% NaCl + LCM
Production	Tail	910	1.35	1230	13.2	10%	9720	A/C	Fluid Loss + Dispersant + Retarder

5. Mud Program

An electronic Pason mud monitoring system complying with Onshore Order 2 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.

Hole Section	Hole Size (in)	Mud Type	Interval MD (ft)	Density (lb/gal)	Viscosity	Fluid Loss
Surface	17.5	Spud Mud	0 - 1092	8.4 - 8.8	28-30	NC
Intermediate 1	9.875	Diesel Brine Emulsion	1092 - 9920	8.4 - 9.4	28-30	NC
Production	6.75	OBM/Cut Brine	9920 - 23112	8.6 - 9.4	50-65	<20

6. Cores, Test, & Logs

No core or drill stem test is planned.

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 top of curve.

7. Down Hole Conditions

Drill Plan

No abnormal pressure or temperature is expected. Bottom hole pressure is 5186 psi. Maximum anticipated surface pressure is 2852 psi. Expected bottom hole temperature is 184 F.

In accordance with Onshore Order 6, Matador does not anticipate that there will be enough H₂S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H₂S safety package on all wells, attached is an "H₂S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 26776

COMMENTS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 26776
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 5/5/2021	5/5/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 26776

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 26776
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	5/5/2021