

Revised March 23, 2017

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Geological & Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: \_\_\_\_\_ OGRID Number: \_\_\_\_\_  
 Well Name: \_\_\_\_\_ API: \_\_\_\_\_  
 Pool: \_\_\_\_\_ Pool Code: \_\_\_\_\_

### SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]

A. Location – Spacing Unit – Simultaneous Dedication

☐ NSL      ☐ NSP (PROJECT AREA)      ☐ NSP (PRORATION UNIT)      ☐ SD

B. Check one only for [ I ] or [ II ]

[ I ] Commingling – Storage – Measurement

☐ DHC    ☐ CTB    ☐ PLC    ☐ PC    ☐ OLS    ☐ OLM

[ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery

☐ WFX    ☐ PMX    ☐ SWD    ☐ IPI    ☐ EOR    ☐ PPR

2) **NOTIFICATION REQUIRED TO:** Check those which apply.

- A. ☐ Offset operators or lease holders  
 B. ☐ Royalty, overriding royalty owners, revenue owners  
 C. ☐ Application requires published notice  
 D. ☐ Notification and/or concurrent approval by SLO  
 E. ☐ Notification and/or concurrent approval by BLM  
 F. ☐ Surface owner  
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,  
 H. ☐ No notice required

#### FOR OCD ONLY

- ☐ Notice Complete  
☐ Application Content Complete

- 3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note: Statement must be completed by an individual with managerial and/or supervisory capacity.**

Print or Type Name

*Pattin*

Signature

Date

Phone Number

e-mail Address



**Paula M. Vance**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 819-5579  
pmvance@hollandhart.com

April 22, 2024

**VIA ONLINE FILING**

Dylan Fuge, Acting Division Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

**Re: Application of Matador Production Company to amend NMOCD Order CTB-1102 and for administrative approval to surface commingle (lease) oil and gas production from the spacing units comprising Sections 1 and 2, Township 21 South, Range 28 East, and Lots 3-6, 11-14, 17 & 18 and the E/2 SW/4 of Section 6, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Lands")**

Dear Mr. Fuge:

Matador Production Company (OGRID No. 228937) ("Matador") seeks to amend Administrative Order CTB-1102 ("Order CTB-1102"), attached as **Exhibit 1**. Order CTB-1102 authorizes lease commingling, off-lease storage, off-lease measurement, and off-lease marketing at the **Simon Camamile South Tank Battery** of production from *all existing and future wells drilled in the following spacing units*:

(a) The 390.36-acre spacing unit comprised of the N/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 17 and the NE/4 SW/4 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] – currently dedicated to the **Simon Camamile 0206 Fed Com #205H** (API. No. 30-015-53728);

(b) The 390.32-acre spacing unit comprised of the S/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 18 and the SE/4 SW/4 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] – currently dedicated to the **Simon Camamile 0206 Fed Com #206H** (API. No. 30-015-53729); and

(c) Pursuant to 19.15.12.10.C(4)(g), *future leases, pools, or leases and pools connected to the Simon Camamile South Tank Battery* with notice provided only to the owners of interests to be added.

Pursuant to 19.15.12.7 NMAC, Matador seeks to amend the terms of Order CTB-1102 to add to the terms of the order the production from all existing and future infill wells drilled in the following spacing units:



**Paula M. Vance**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 819-5579  
 pmvance@hollandhart.com

(a) The 670.38-acre spacing unit comprised of Lots 1-8 of Sections 1 and 2, T21S-R28E, and Lots 3-6 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] – currently dedicated to the **Simon Camamile 0206 Fed Com #201** (API. No. 30-015-54098) and **Simon Camamile 0206 Fed Com #202** (API. No. 30-015-54099); and

(b) The 780.84-acre spacing unit comprised of Lots 9-16 of Sections 1 and 2, T21S-R28E, and Lots 11-14 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] – currently dedicated to the **Simon Camamile 0206 Fed Com #203** (API. No. 30-015-54303) and **Simon Camamile 0206 Fed Com #204** (API. No. 30-015-54366);

(c) The 390.36-acre spacing unit comprised of the N/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 17 and the NE/4 SW/4 of Section 6, T21S-R29E, in the WC-015 G-05 S202935P; Bone Spring [97995] – currently dedicated to the **Simon Camamile 0206 Fed Com #125H** (API. No. 30-015-PENDING); and

(d) The 390.32-acre spacing unit comprised of the S/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 18 and the SE/4 SW/4 of Section 6, T21S-R29E, in the WC-015 G-05 S202935P; Bone Spring [97995] – currently dedicated to the **Simon Camamile 0206 Fed Com #126H** (API. No. 30-015-PENDING).

Oil and gas production from these spacing units will be commingled and sold at the **Simon Camamile South Tank Battery** located in the NW/4 SW/4 (Unit L) of Section 2, Township 21 South, Range 28 East. Production from the wellbores will flow into a wellhead test separator, which will separate the oil, gas, and water. Gas production from the separators will be individually metered with a calibrated orifice meter that is manufactured to AGA specifications. Oil production from the separator will be separately metered using turbine meters. Gas and oil production will then be allocated on a daily basis based on the most recent individual well tests of oil, gas, and water.

**Exhibit 2** is a land plat showing Matador's current development plan, flow lines, well pads, and central tank battery ("Facility Pad") in the subject area. The plat also identifies the wellbores (including surface/bottomhole locations) and lease/spacing unit boundaries.

**Exhibit 3** is a completed Application for Surface Commingling (Diverse Ownership) Form C-107-B, that includes a statement from Kenneth Dodson, Staff Facilities Engineer with Matador, identifying the facilities and the measurement devices to be utilized, a detailed schematic of the surface facilities (Exhibit A to the statement) and a referenced gas sample (Exhibit B to the statement).

**Exhibit 4** is a C-102 for each of the wells currently permitted or drilled within the existing spacing units and the wells to be added to Order CTB-1102.



**Paula M. Vance**  
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**Exhibit 5** are the draft or approved communitization agreements for the acreage subject to this application.

Ownership is diverse between the above-described spacing units, each of which are either subject to a pooling agreement or a pooling order and are therefore considered “leases” as defined by 19.15.12.7(C) NMAC. **Exhibit 6** is a list of the interest owners (including any owners of royalty or overriding royalty interests) affected by this application, an example of the letters sent by certified mail advising the interest owners that any objections must be filed in writing with the Division within 20 days from the date the Division receives this application, and proof of mailing. A copy of this application has been provided to the State Land Office and Bureau of Land Management since state and federal lands are involved.

Thank you for your attention to this matter, and please feel free to call if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Paula M. Vance", written over a horizontal line.

Paula M. Vance  
**ATTORNEY FOR MATADOR PRODUCTION  
COMPANY**



**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING**

**SUBMITTED BY MATADOR PRODUCTION COMPANY**

**ORDER NO. CTB-1102**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. Matador Production Company (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
4. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
5. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10.C.(4)(g) NMAC.
6. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.
7. Applicant submitted or intends to submit one or more proposed communitization agreement(s) (“Proposed Agreement(s)”) to the BLM or NMSLO, as applicable, identifying the acreage of each lease to be consolidated into a single pooled area (“Pooled Area”), as described in Exhibit B.

**CONCLUSIONS OF LAW**

8. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.

9. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
11. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
12. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
13. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10.C.(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
14. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

### **ORDER**

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

2. For each Pooled Area described in Exhibit B, Applicant shall submit a Proposed Agreement to the BLM or NMSLO, as applicable, prior to commencing oil and gas production. If Applicant fails to submit the Proposed Agreement, this Order shall terminate on the following day.

No later than sixty (60) days after the BLM or NMSLO approves or denies a Proposed Agreement, Applicant shall submit a Form C-103 to OCD with a copy of the decision and a description of the approved lands, as applicable. If Applicant withdraws or the BLM or NMSLO denies a Proposed Agreement, this Order shall terminate on the date of such action, and Applicant shall cease commingling the production from the Pooled Area. If the BLM or

NMSLO approves but modifies the Proposed Agreement(s), Applicant shall comply with the approved Agreement(s), and no later than sixty (60) days after such decision, Applicant shall submit a new surface commingling application to OCD to conform this Order with the approved Agreement(s). If Applicant fails to submit the new surface commingling application or OCD denies the new surface commingling application, this Order shall terminate on the date of such action.

Applicant shall allocate the oil and gas production to each lease within a Pooled Area in proportion to the acreage that each lease bears to the entire acreage of the Pooled Area described in Exhibit B until the Proposed Agreement which includes the Pooled Area is approved. After the Proposed Agreement is approved, the oil and gas production from the Pooled Area shall be allocated as required by the BLM's or NMSLO's, as applicable, approval of the Agreement, including any production that had been allocated previously in accordance with this Order.

3. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.
4. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.
5. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
6. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
7. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
8. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.

9. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10.C.(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
10. If a well is not included in Exhibit A but produces from a pool and lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.
11. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
12. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
13. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**

  
\_\_\_\_\_  
**DYLAN M. FUGE**  
**DIRECTOR**

**DATE:** 9/11/2023

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: **CTB-1102**

Operator: **Matador Production Company (228937)**

Central Tank Battery: **Simon Camamile South Tank Battery**

Central Tank Battery Location: **UL L, Section 2, Township 21 South, Range 28 East**

Gas Title Transfer Meter Location: **UL L, Section 2, Township 21 South, Range 28 East**

### Pools

Pool Name	Pool Code
<b>WC BURTON FLAT UPPER WOLFCAMP EAST</b>	<b>98315</b>

### Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
<b>VB 0183 0003</b>	<b>S/2</b>	<b>2-21S-28E</b>
<b>NMNM 105679579 (115407)</b>	<b>N/2 S/2</b>	<b>1-21S-28E</b>
<b>NMNM 105381804 (130856)</b>	<b>S/2 S/2</b>	<b>1-21S-28E</b>
<b>NMNM 105417600 (0029588)</b>	<b>SW/4</b>	<b>6-21S-29E</b>

### Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
<b>30-015-53728</b>	<b>Simon Camamile 0206 Federal Com #205H</b>	<b>N/2 S/2</b>	<b>1-21S-28E</b>	<b>98315</b>
		<b>N/2 S/2</b>	<b>2-21S-28E</b>	
		<b>N/2 SW/4</b>	<b>6-21S-29E</b>	
<b>30-015-53729</b>	<b>Simon Camamile 0206 Federal Com #206H</b>	<b>S/2 S/2</b>	<b>1-21S-28E</b>	<b>98315</b>
		<b>S/2 S/2</b>	<b>2-21S-28E</b>	
		<b>S/2 SW/4</b>	<b>6-21S-29E</b>	

State of New Mexico  
Energy, Minerals and Natural Resources Department

Exhibit B

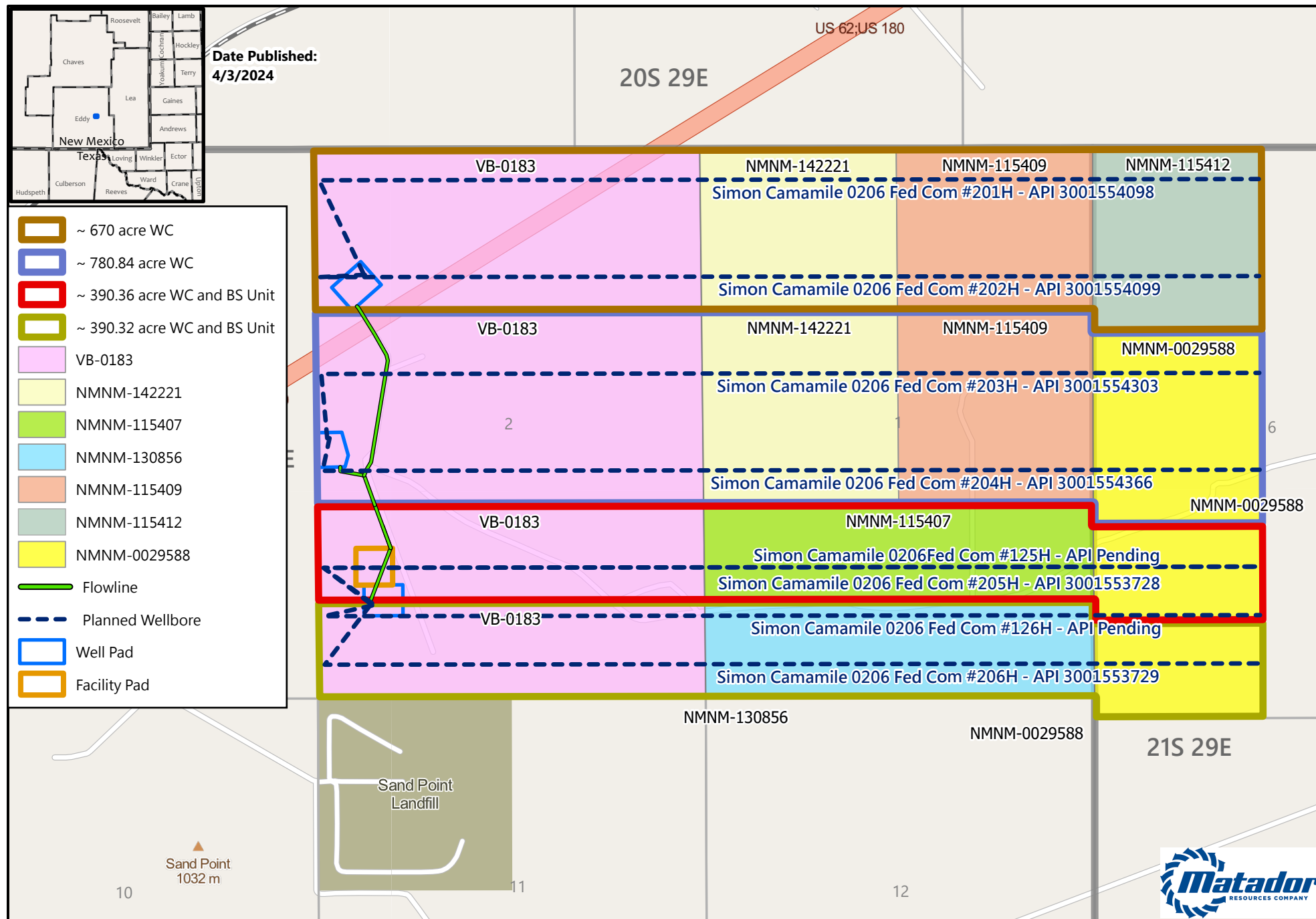
Order: CTB-1102  
Operator: Matador Production Company (228937)

Pooled Areas

Pooled Area	UL or Q/Q	S-T-R	Acres	Pooled Area ID
CA Wolfcamp BLM	N/2 S/2	1-21S-28E	390.36	A
	N/2 S/2	2-21S-28E		
	N/2 SW/4	6-21S-29E		
CA Wolfcamp BLM	S/2 S/2	1-21S-28E	390.32	B
	S/2 S/2	2-21S-28E		
	S/2 SW/4	6-21S-29E		

Leases Comprising Pooled Areas

Lease	UL or Q/Q	S-T-R	Acres	Pooled Area ID
VB 0183 0003	N/2 S/2	2-21S-28E	160	A
NMNM 105679579 (115407)	N/2 S/2	1-21S-28E	160	A
NMNM 105417600 (0029588)	N/2 SW/4	6-21S-29E	70.36	A
VB 0183 0003	S/2 S/2	2-21S-28E	160	B
NMNM 105381804 (130856)	S/2 S/2	1-21S-28E	160	B
NMNM 105417600 (0029588)	S/2 SW/4	6-21S-29E	70.32	B



**GIS Standard Map Disclaimer:**  
This cartographic product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

1:21,000

1 inch equals 1,750 feet

EXHIBIT

2



District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr, Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original application  
to the Santa Fe office with one  
copy to the appropriate District  
Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: Matador Production Company

OPERATOR ADDRESS: 5400 LBJ Freeway Tower 1 Suite 1500 Dallas, TX 75240

APPLICATION TYPE:

☐ Pool Commingling ☐ Lease Commingling ☒ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingled)

LEASE TYPE: ☐ Fee ☒ State ☒ Federal

Is this an Amendment to existing Order? ☒ Yes ☐ No If "Yes", please include the appropriate Order No. CTB-1102

Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling

☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production	Calculated Value of Commingled Production	Volumes
[98315] WC Burton Flat Upper Wolfcamp East	42.47°	41.16° oil 1300 BTU/CF	\$71.16/bbl oil Deemed 40° Sweet (Dec '23 realized price) \$2.37/mcf (Dec '23 realized price)	6500
[98315] WC Burton Flat Upper Wolfcamp East	1309 BTU/CF			17300
[97995] WC-015 G-05 S202935P; Bone Spring	37.45°			2300
[97995] WC-015 G-05 S202935P; Bone Spring	1237 BTU/CF			2400

(2) Are any wells producing at top allowables? ☐ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No.

(4) Measurement type: ☒ Metering ☐ Other (Specify)

(5) Will commingling decrease the value of production? ☐ Yes ☒ No If "yes", describe why commingling should be approved

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Pool Name and Code -

(2) Is all production from same source of supply? ☐ Yes ☐ No

(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No

(4) Measurement type: ☐ Metering ☐ Other (Specify)

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

(1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attach sheets with the following information

(1) Is all production from same source of supply? ☐ Yes ☐ No

(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

(1) A schematic diagram of facility, including legal location.

(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.

(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:  TITLE: Staff Facilities Engineer DATE: 4/3/2024

TYPE OR PRINT NAME: Kenneth Dodson TELEPHONE NO.: (972) 371-5489

E-MAIL ADDRESS: kdodson@matadorresources.com

EXHIBIT  
3

# Matador Production Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240

Voice 972.371.5489 • Fax 972.371.5201

[kdodson@matadorresources.com](mailto:kdodson@matadorresources.com)

Kenneth Dodson  
Staff Facilities Engineer

April 3, 2024

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, NM 87505

**Re: Application of Matador Production Company for administrative approval to Amend Administrative Order CTB-1102 to surface commingle (pool and lease commingle) gas and oil production from the spacing units comprised of Sections 1 and 2, Township 21 South, Range 28 East and Lots 3-6, 11-14, 17-18 and the E/2 S/W 4 of Section 6, Township 21 South Range 29 East, Eddy County, New Mexico (the "Lands").**

To Whom This May Concern,

Under NMOCD Order No. CTB-1102, Matador Production Company ("Matador"), OGRID: 228937, was authorized to surface commingle production from the Wolfcamp formation South Half of Sections 1 and 2, Township 21 South, Range 28 East and Lots 17 and 18 and the E/2 SW/4 of Section 6, Township 21 South Range 29 East, each in Lea County, New Mexico. Matador now requests to amend its existing commingling authority to pool additional Wolfcamp wells in the spacing units that together comprise Sections 1 and 2, Township 21 South, Range 28 East and Lots 3-6, 11-14, 17-18 and the E/2 S/W 4 of Section 6, Township 21 South Range 29 East, Lea County, New Mexico, as well as the Bone Spring wells in the spacing units that together comprise the South Half of Sections 1 and 2, Township 21 South, Range 28 East and Lots 17 and 18 and the E/2 SW/4 of Section 6, Township 21 South Range 29 East, each in Lea County, New Mexico.

Specifically, Matador requests to commingle current oil and gas production from eight (8) distinct wells located on the Lands and future production from the Lands as described herein. All wells will be metered through individual test separators with an oil turbine meter and gas orifice meter. The gas commingling will occur after individual measurement at each well. Gas exiting each well test flows into one gathering line, as depicted on **Exhibit A**, the San Mateo Midstream, LLC gathering line. Each well on the Lands will have its own test separator with an orifice meter manufactured and assembled in accordance with American Gas Association (AGA) specifications. All primary and secondary Electronic Flow Measurement (EFM) equipment is tested and calibrated by a reputable third party measurement company in accordance with industry specifications.

The orifice meter is the preferred measurement device utilized by midstream and E&P companies in natural gas measurement. The gas samples are obtained at the time of the meter testing/calibration and the composition and heating value are determined by a laboratory in accordance with American Petroleum Institute (API) specifications to ensure accurate volume and Energy (MMBTU) determinations. See example from SPL attached as **Exhibit B** hereto.

The flow stream from each wellhead is demonstrated in the Process Flow Diagram (PFD) attached as **Exhibit A** hereto. This PFD shows that the water, oil, and gas exit the wellbore and flow into a wellhead three-phase separator which separates the oil, gas, and water. The oil is measured via turbine meter which is calibrated periodically in accordance with industry specifications by a third party measurement company for accuracy. The gas is measured on a volume and MMBTU basis by an orifice meter and supporting EFM equipment in accordance with American Petroleum Association (API) Chapter 21.1. The gas is then sent into a gathering line where it is commingled with each of the other wells' metered gas, as shown on **Exhibit A**. The gathering line gas is then metered by another orifice meter at the tank battery check to show the total volume of gas leaving the Tank Battery. This meter is tested and calibrated in accordance with industry specifications and volume and energy are determined on an hourly, daily, and monthly basis. Once the gas exits this final tank battery sales check it travels directly into a third party sales connect meter. San Mateo Midstream, LLC has its own orifice meter that measures the gas for custody transfer. These meters are also calibrated periodically to ensure the measurement accuracy.

In conclusion, all the oil and gas produced on the Lands is and will be metered at each wellhead and allocated correctly using the same measurement equipment as the pipeline sales measurement specifications accepted by API as industry standard.

Very truly yours,

MATADOR PRODUCTION COMPANY

A handwritten signature in black ink, appearing to read 'Ken Dodson', with a long horizontal flourish extending to the right.

Kenneth Dodson  
Staff Facilities Engineer

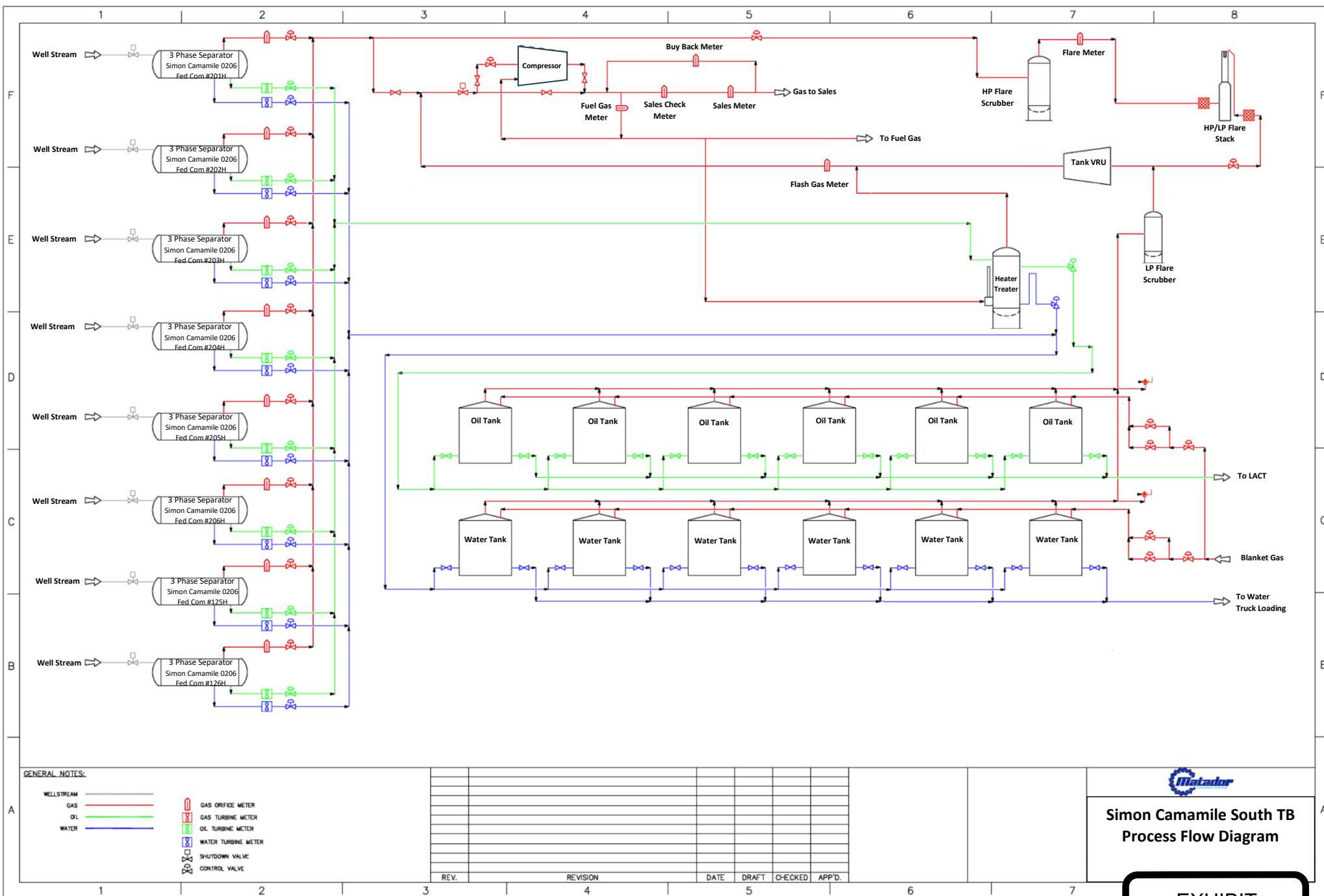


EXHIBIT  
A



## Certificate of Analysis

Number: 6030-20120189-002A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

John Romano  
Ascent Energy, LLC  
1125 17th St.  
Suite 410  
Denver, CO 80202

Jan. 04, 2021

Station Name: Big Moose CTB Sales Check  
Station Number: 0103901850  
Station Location: Ascent  
Sample Point: Meter Run  
Instrument: 70104251 (Inficon GC-MicroFusion)  
Last Inst. Cal.: 01/04/2021 0:00 AM  
Analyzed: 01/04/2021 13:05:21 by PGS

Sampled By: Derek Sauder  
Sample Of: Gas Spot  
Sample Date: 12/23/2020  
Sample Conditions: 78 psig, @ 72 °F Ambient: 50 °F  
Effective Date: 12/23/2020  
Method: GPA-2261M  
Cylinder No: 1111-001212

## Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia		
Nitrogen	2.512	2.51392	2.722		GPM TOTAL C2+	9.970
Methane	63.010	63.06044	39.094		GPM TOTAL C3+	5.853
Carbon Dioxide	0.223	0.22328	0.380		GPM TOTAL iC5+	1.373
Ethane	15.336	15.34873	17.836	4.117		
Propane	10.132	10.14024	17.280	2.802		
Iso-butane	1.336	1.33677	3.003	0.439		
n-Butane	3.914	3.91735	8.799	1.239		
Iso-pentane	0.899	0.89972	2.509	0.330		
n-Pentane	1.034	1.03493	2.886	0.376		
Hexanes Plus	1.523	1.52462	5.491	0.667		
	99.919	100.0000	100.000	9.970		

## Calculated Physical Properties

	Total	C6+
Relative Density Real Gas	0.8981	3.2176
Calculated Molecular Weight	25.88	93.19
Compressibility Factor	0.9944	

## GPA 2172 Calculation:

Calculated Gross BTU per ft<sup>3</sup> @ 14.696 psia & 60°F

Real Gas Dry BTU	1499	5129
Water Sat. Gas Base BTU	1474	5040
Ideal, Gross HV - Dry at 14.696 psia	1490.6	5129.2
Ideal, Gross HV - Wet	1464.6	5039.7

Comments: H2S Field Content 1.25 ppm

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

EXHIBIT

B



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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
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OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

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District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number	<sup>2</sup> Pool Code 98315	<sup>3</sup> Pool Name WC Burton Flat Upper Wolfcamp East
<sup>4</sup> Property Code	<sup>5</sup> Property Name SIMON CAMAMILE 0206 FED COM	<sup>6</sup> Well Number 201H
<sup>7</sup> GRID No. 220937	<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>9</sup> Elevation 3286'

<sup>10</sup>Surface Location

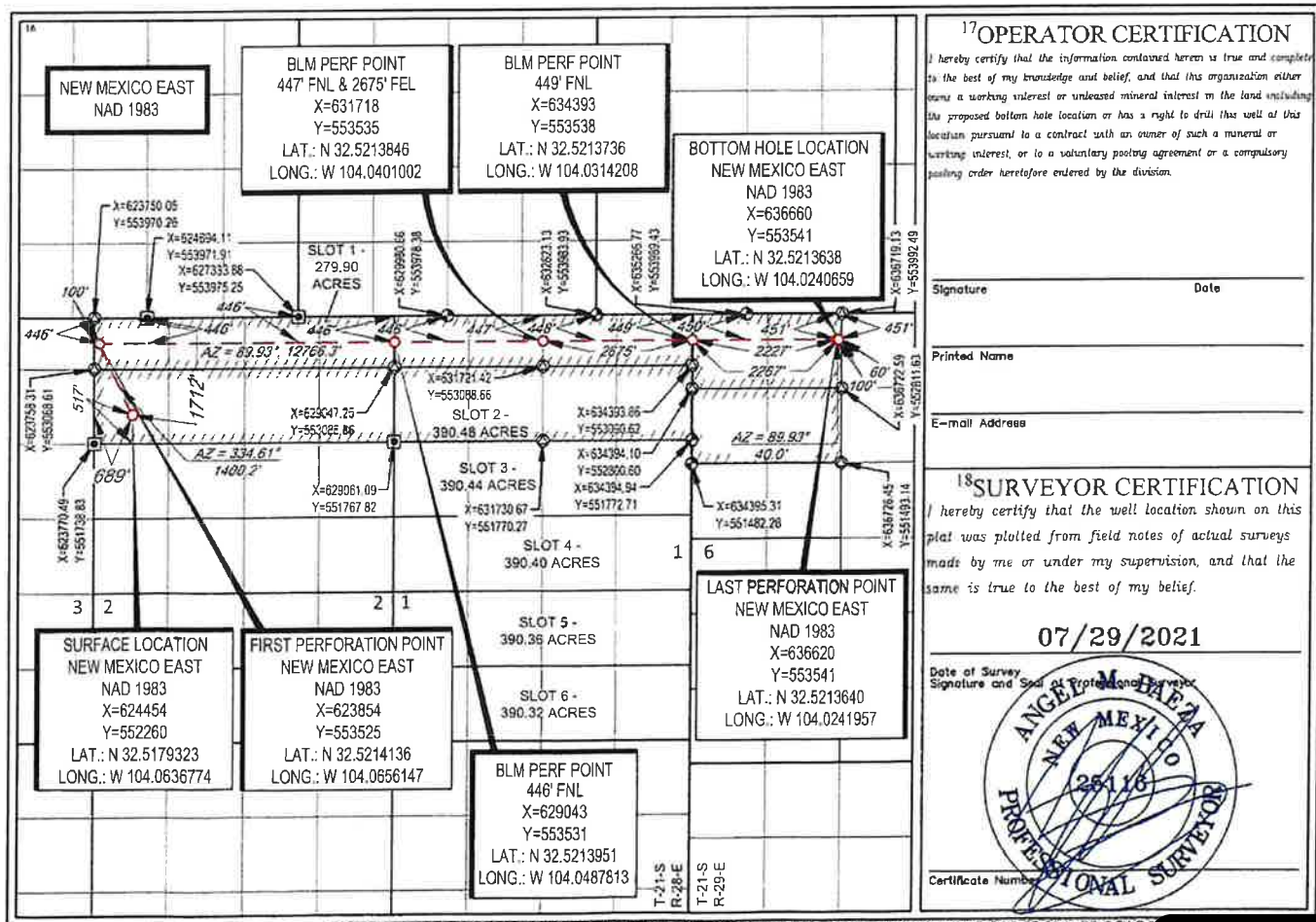
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
5	2	21-S	28-E	-	1712'	NORTH	689'	WEST	EDDY

<sup>11</sup>Bottom 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
3	6	21-S	29-E	-	451'	NORTH	2267'	WEST	EDDY

<sup>12</sup> Dedicated Acres 670.38	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.



EXHIBIT

4

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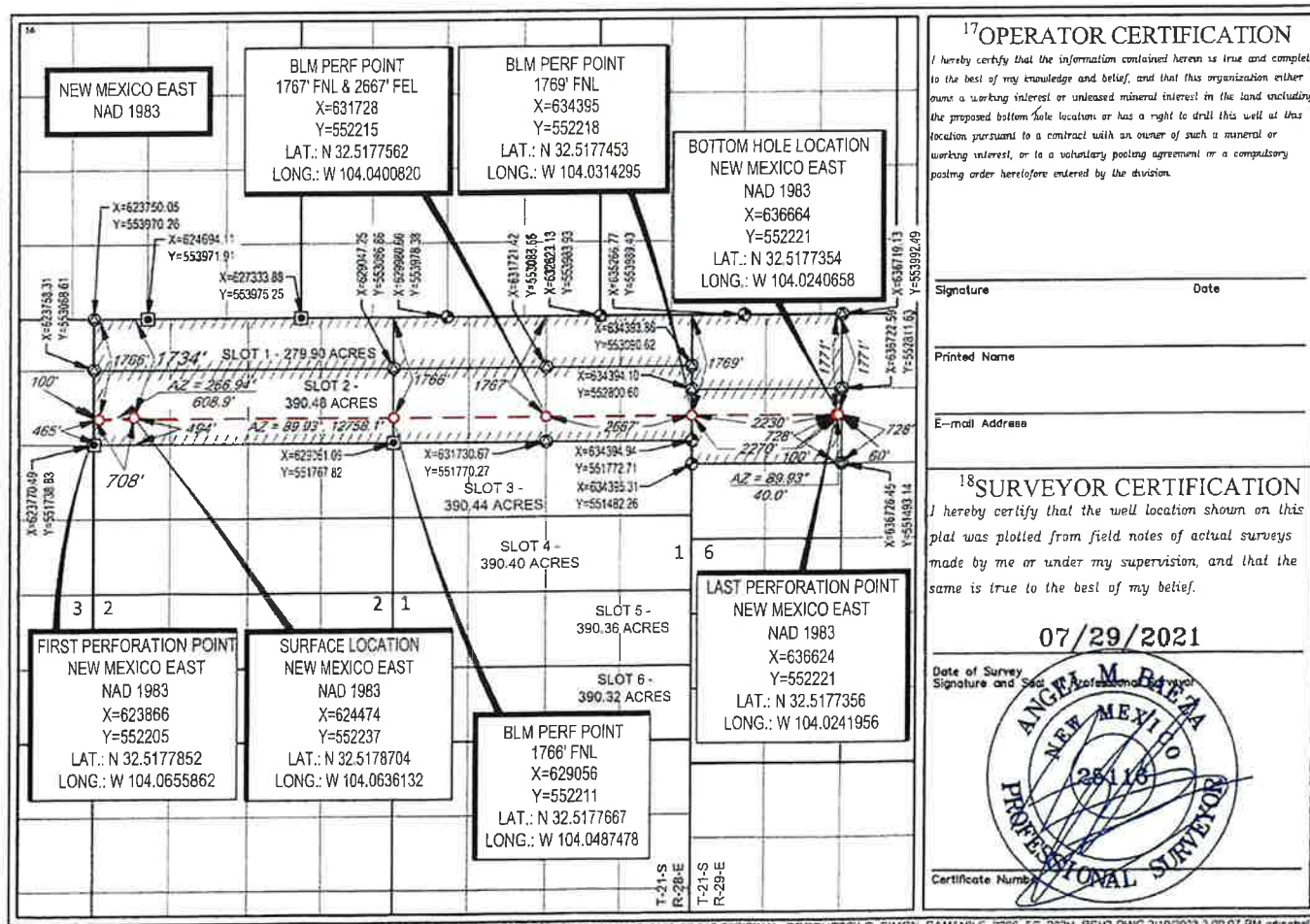
District Office

AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

1API Number		2Pool Code 98315		3Pool Name WC Burton Flat Upper Wolfcamp East					
4Property Code		5Property Name SIMON CAMAMILE 0206 FED COM						6Well Number 202H	
7OGRID No. 228937		8Operator Name MATADOR PRODUCTION COMPANY						9Elevation 3286'	
10Surface Location									
UL or lot no. 5	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 1734'	North/South line NORTH	Feet from the 708'	East/West line WEST	County EDDY
11Bottom Hole Location If Different From Surface									
UL or lot no. 6	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 1771'	North/South line NORTH	Feet from the 2270'	East/West line WEST	County EDDY
12Dedicated Acres 670.38		13Joint or Infill		14Consolidation Code		15Order No.			

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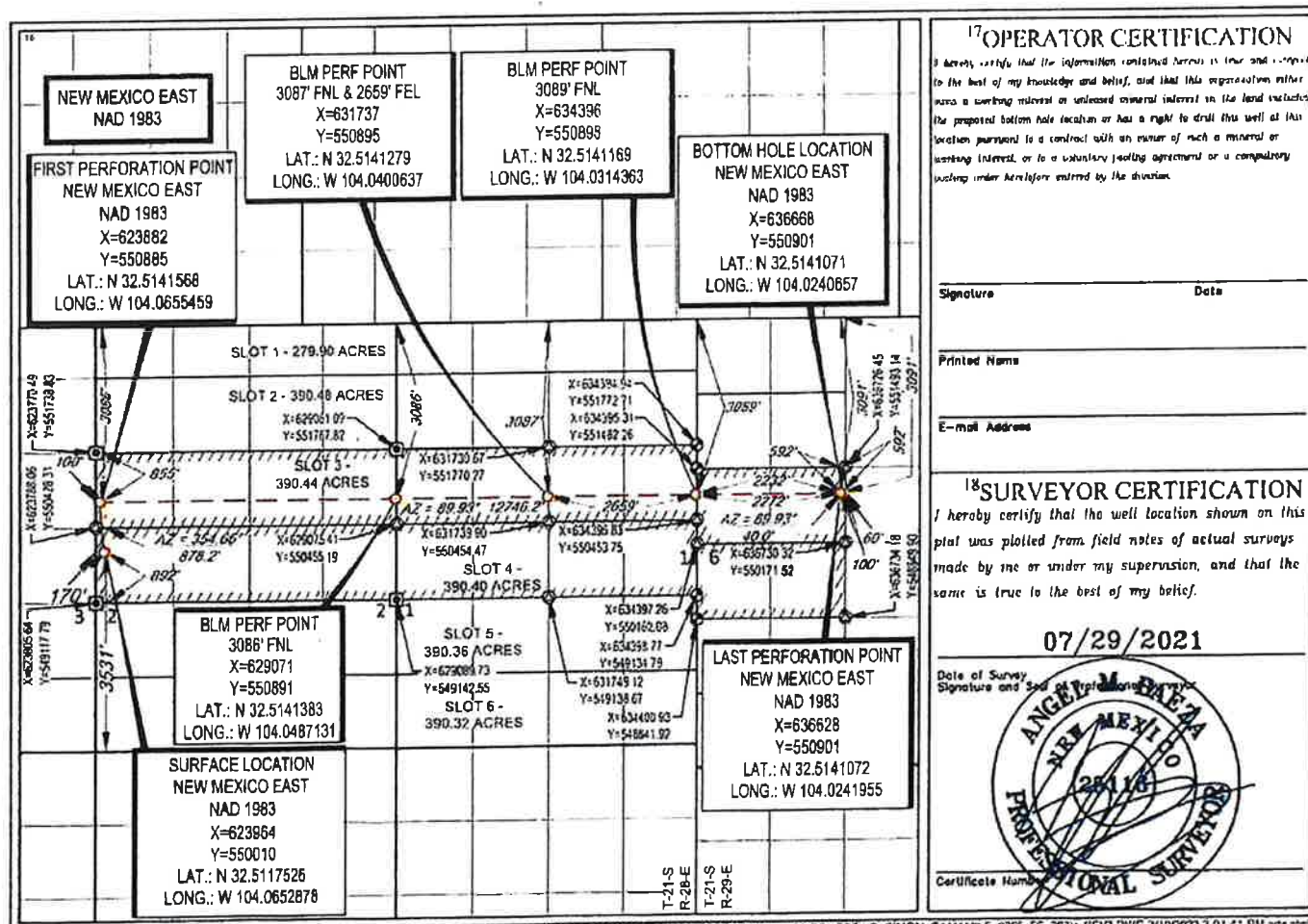
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☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number		<sup>2</sup> Pool Code <b>98315</b>		<sup>3</sup> Pool Name <b>WC Burton Flat Upper Wolfcamp East</b>	
<sup>4</sup> Property Code		<sup>5</sup> Property Name <b>SIMON CAMAMILE 0206 FED COM</b>		<b>203H</b>	
<sup>6</sup> GRID No. <b>228937</b>		<sup>7</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>		<sup>8</sup> Elevation <b>3311'</b>	
<sup>10</sup> Surface Location					
UL or lot no. <b>13</b>	Section <b>2</b>	Township <b>21-S</b>	Range <b>28-E</b>	Lot Idn <b>-</b>	Feet from the <b>3531'</b>
		North/South line <b>SOUTH</b>		Feet from the <b>170'</b>	
		East/West line <b>WEST</b>		County <b>EDDY</b>	
<sup>11</sup> Bottom Hole Location If Different From Surface					
UL or lot no. <b>11</b>	Section <b>6</b>	Township <b>21-S</b>	Range <b>29-E</b>	Lot Idn <b>-</b>	Feet from the <b>3091'</b>
		North/South line <b>NORTH</b>		Feet from the <b>2272'</b>	
		East/West line <b>WEST</b>		County <b>EDDY</b>	
<sup>13</sup> Dedicated Acres <b>780.84</b>		<sup>12</sup> Joint or Infill		<sup>14</sup> Consolidation Code	
				<sup>15</sup> Order No.	

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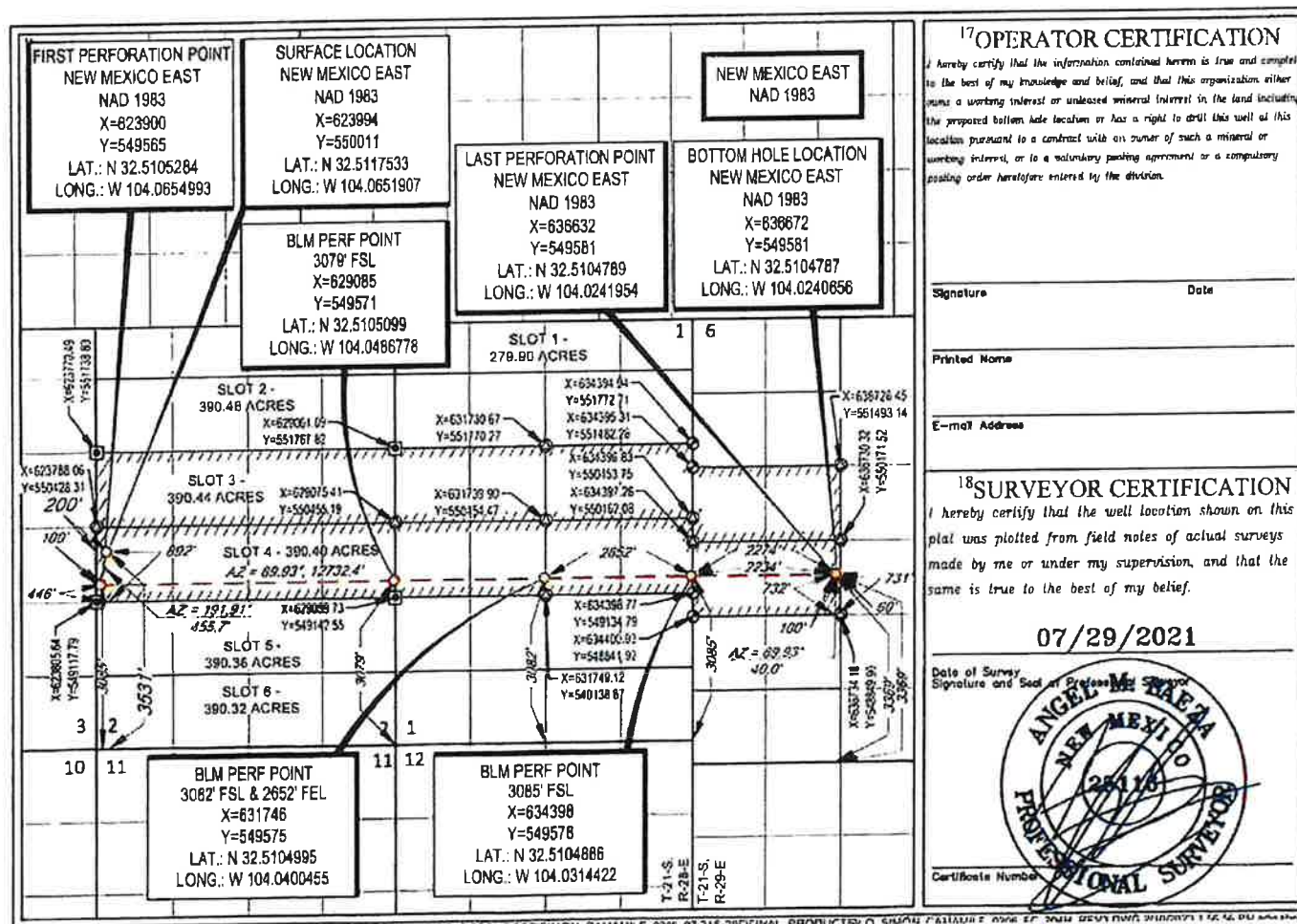
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## AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
		98315		WC Burton Flat Upper Wolfcamp East					
4 Property Code		5 Property Name						6 Well Number	
		SIMON CAMAMILE 0206 FED COM						204H	
7 OGRID No.		8 Operator Name						9 Elevation	
228937		MATADOR PRODUCTION COMPANY						3311'	
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Country
13	2	21-S	28-E	-	3531'	SOUTH	200'	WEST	EDDY
11 Bottom 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	Country
14	6	21-S	29-E	-	3369'	SOUTH	2274'	WEST	EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			
780.84									

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☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
	98315	WC Burton Flat Upper Wolfcamp East
<sup>4</sup> Property Code	<sup>5</sup> Property Name	<sup>6</sup> Well Number
	SIMON CAMAMILE 0206 FED COM	205H
<sup>7</sup> OCRID No.	<sup>8</sup> Operator Name	<sup>9</sup> Elevation
220937	MATADOR PRODUCTION COMPANY	3348'

<sup>10</sup>Surface Location

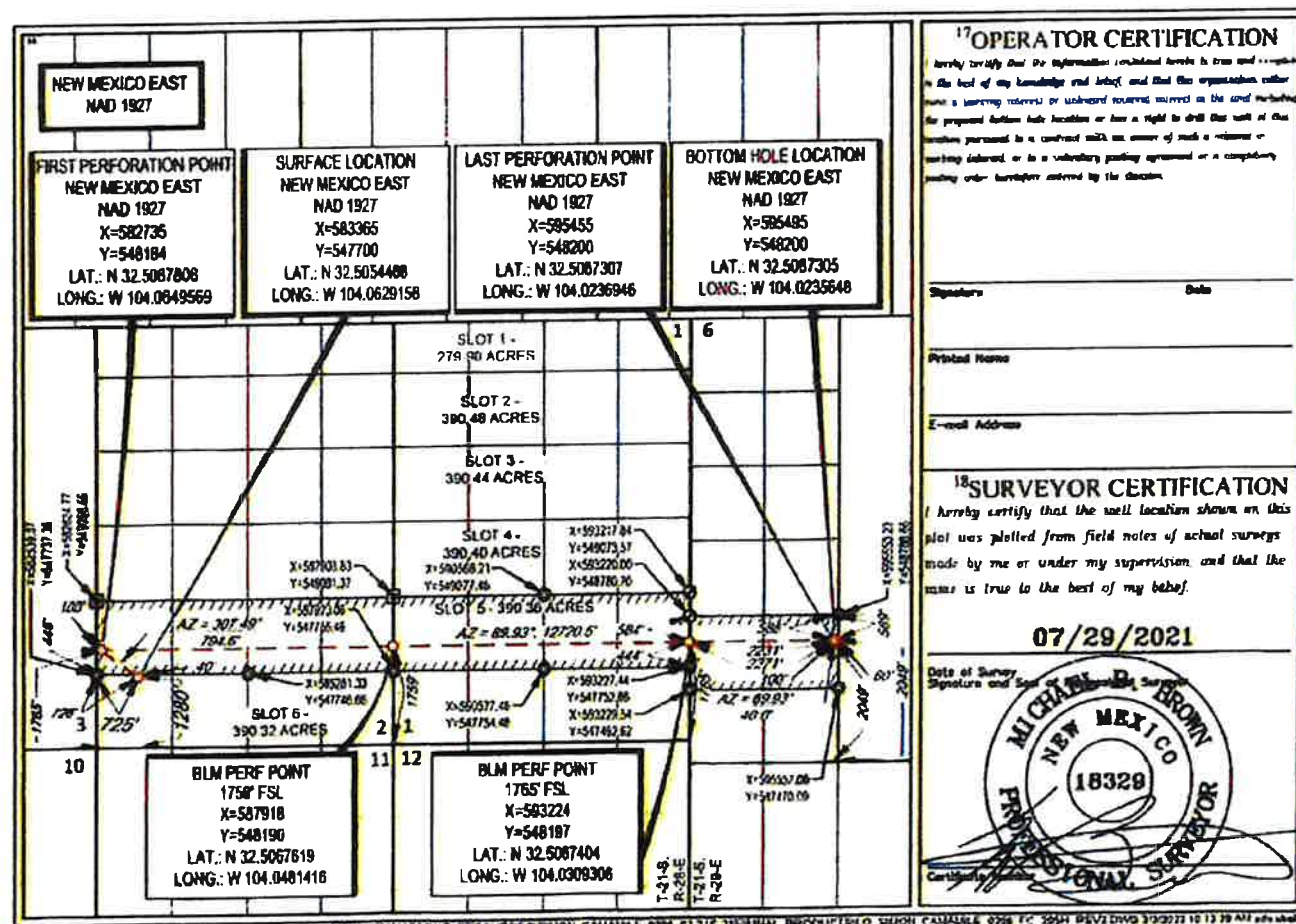
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
M	2	21-S	28-E	-	1280'	SOUTH	725'	WEST	EDDY

<sup>11</sup>Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
K	6	21-S	29-E	-	2049'	SOUTH	2271'	WEST	EDDY

<sup>12</sup> Dedicated Acres	<sup>13</sup> Tablet or In/In	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
390.36			

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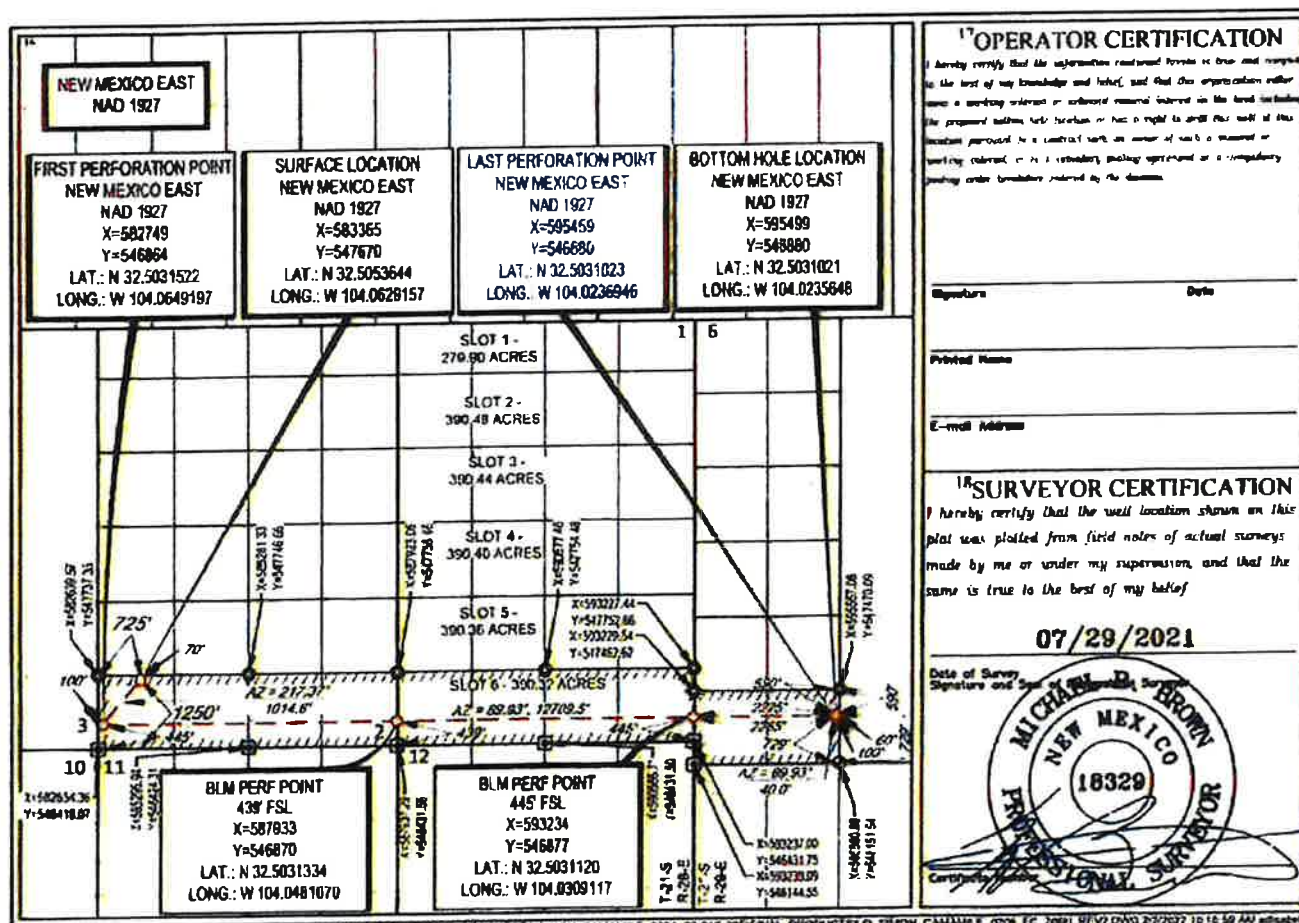
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☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number		<sup>2</sup> Pool Code 98315		<sup>3</sup> Pool Name WC Burton Flat Upper Wolfcamp East	
<sup>4</sup> Property Code		<sup>5</sup> Property Name SIMON CAMAMILE 0206 FED COM		<sup>6</sup> Well Number 206H	
<sup>7</sup> DGRID No. 228937		<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY		<sup>9</sup> Elevation 3349'	
<sup>10</sup> Surface Location					
UL or lot no. M	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 1250'
			North/South line SOUTH	Feet from the 725'	East/West line WEST
			County EDDY		
<sup>11</sup> Bottom Hole Location If Different From Surface					
UL or lot no. N	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 729'
			North/South line SOUTH	Feet from the 2265'	East/West line WEST
			County EDDY		
<sup>12</sup> Dedicated Acres 390.32		<sup>13</sup> Unit or Lot ID		<sup>14</sup> Order No.	

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2 SURVEY/MATADOR\_RESOURCE/SIMON\_CAMAMILE\_0206\_FED\_COM\_PRODUCT/SLD/SIMON\_CAMAMILE\_0206\_FED\_COM\_REV1.DWG 2/27/2021 10:15:50 AM



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☒ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-025-</b>	<sup>2</sup> Pool Code <b>97995</b>	<sup>3</sup> Pool Name <b>WC-015 F-05 S202935P; Bone Spring</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>SIMON CAMAMILE 0206 FED COM</b>	<sup>6</sup> Well Number <b>125H</b>
<sup>7</sup> OGRID No. <b>228937</b>	<sup>8</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>	<sup>9</sup> Elevation <b>3347'</b>

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>2</b>	<b>21-S</b>	<b>28-E</b>	<b>-</b>	<b>1280'</b>	<b>SOUTH</b>	<b>755'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup>Bottom 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
<b>K</b>	<b>6</b>	<b>21-S</b>	<b>29-E</b>	<b>-</b>	<b>2049'</b>	<b>SOUTH</b>	<b>2271'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres <b>390.36</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
------------------------------------------------	-------------------------------	----------------------------------	-------------------------

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				<p><sup>17</sup>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
<p><sup>18</sup>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.</p> <p>07/29/2021</p> <p>Date of Survey _____ Signature and Seal of Professional Surveyor</p> <p></p>				
<p>NEW MEXICO EAST NAD 1983</p>				
<p>NEW MEXICO EAST NAD 1927</p>				
<p><u>SURFACE LOCATION (SHL)</u></p> <p>1280' FSL - SEC. 2 755' FWL - SEC. 2 X=624576 Y=547761 LAT.: N 32.5055662 LONG.: W 104.0633204</p>	<p><u>FIRST PERFORATION POINT (FPP)</u></p> <p>1765' FSL - SEC. 2 100' FWL - SEC. 2 X=623915 Y=548245 LAT.: N 32.5069000 LONG.: W 104.0654588</p>	<p><u>BLM PERF. POINT (BPP1)</u></p> <p>1759' FSL - SEC. 2 0' FEL - SEC. 2 X=629099 Y=548251 LAT.: N 32.5068815 LONG.: W 104.0486430</p>	<p><u>BLM PERF. POINT (BPP2)</u></p> <p>1765' FSL - SEC. 1 0' FEL - SEC. 1 X=634405 Y=548258 LAT.: N 32.5068602 LONG.: W 104.0314315</p>	
<p><u>LAST PERFORATION POINT (LPP)</u></p> <p>2049' FSL - SEC. 6 2231' FWL - SEC. 6 X=636636 Y=548261 LAT.: N 32.5068505 LONG.: W 104.0241952</p>	<p><u>BOTTOM HOLE LOCATION (BHL)</u></p> <p>2049' FSL - SEC. 6 2271' FWL - SEC. 6 X=636676 Y=548261 LAT.: N 32.5068504 LONG.: W 104.0240655</p>	<p><u>SURFACE LOCATION (SHL)</u></p> <p>X=583395 Y=547700 LAT.: N 32.5084688 LONG.: W 104.0828187</p> <p><u>FIRST PERFORATION POINT (FPP)</u></p> <p>X=582735 Y=548184 LAT.: N 32.5067806 LONG.: W 104.0645569</p> <p><u>BLM PERF. POINT (BPP1)</u></p> <p>X=587818 Y=548190 LAT.: N 32.5067619 LONG.: W 104.0481416</p> <p><u>BLM PERF. POINT (BPP2)</u></p> <p>X=583224 Y=548197 LAT.: N 32.5057404 LONG.: W 104.0309306</p> <p><u>LAST PERFORATION POINT (LPP)</u></p> <p>X=585455 Y=548200 LAT.: N 32.5067307 LONG.: W 104.0236946</p> <p><u>BOTTOM HOLE LOCATION (BHL)</u></p> <p>X=585455 Y=548200 LAT.: N 32.5067305 LONG.: W 104.0235648</p>		

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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

<sup>1</sup> API Number <b>30-025-</b>	<sup>2</sup> Pool Code <b>97995</b>	<sup>3</sup> Pool Name <b>WL-015 G-05 S202935P; Bone Springs</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>SIMON CAMAMILE 0206 FED COM</b>	<sup>6</sup> Well Number <b>126H</b>
<sup>7</sup> OCRID No. <b>228937</b>	<sup>8</sup> Operator Name <b>MATADOR PRODUCTION COMPANY</b>	<sup>9</sup> Elevation <b>3347'</b>

<sup>10</sup>Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>M</b>	<b>2</b>	<b>21-S</b>	<b>28-E</b>	<b>-</b>	<b>1250'</b>	<b>SOUTH</b>	<b>755'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>11</sup>Bottom 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
<b>N</b>	<b>6</b>	<b>21-S</b>	<b>29-E</b>	<b>-</b>	<b>729'</b>	<b>SOUTH</b>	<b>2265'</b>	<b>WEST</b>	<b>EDDY</b>

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
<b>390.32</b>			

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.

		<p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.</p> <p>07/29/2021</p> <p>Date of Survey _____ Signature and Seal of Professional Surveyor</p> <p> ANGEL M. BAEZA NEW MEXICO PROFESSIONAL SURVEYOR 25116</p> <p>Certificate Number _____</p>																								
<p>NEW MEXICO EAST NAD 1983</p> <table border="1"> <thead> <tr> <th>SURFACE LOCATION (SHL)</th> <th>FIRST PERFORATION POINT (FPP)</th> <th>BLM PERF. POINT (BPP1)</th> <th>BLM PERF. POINT (BPP2)</th> </tr> </thead> <tbody> <tr> <td>1250' FSL - SEC. 2 755' FWL - SEC. 2 X=624576 Y=547731 LAT.: N 32.5054836 LONG.: W 104.0633201</td> <td>445' FSL - SEC. 2 100' FWL - SEC. 2 X=623930 Y=546925 LAT.: N 32.5032716 LONG.: W 104.0654214</td> <td>439' FSL - SEC. 2 0' FEL - SEC. 2 X=629114 Y=546931 LAT.: N 32.5032530 LONG.: W 104.0486089</td> <td>445' FSL - SEC. 1 0' FEL - SEC. 1 X=634415 Y=546938 LAT.: N 32.5032318 LONG.: W 104.0314125</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>LAST PERFORATION POINT (LPP)</th> <th>BOTTOM HOLE LOCATION (BHL)</th> </tr> </thead> <tbody> <tr> <td>729' FSL - SEC. 6 2225' FWL - SEC. 6 X=636640 Y=546941 LAT.: N 32.5032222 LONG.: W 104.0241951</td> <td>729' FSL - SEC. 6 2265' FWL - SEC. 6 X=636680 Y=546941 LAT.: N 32.5032220 LONG.: W 104.0240654</td> </tr> </tbody> </table>		SURFACE LOCATION (SHL)	FIRST PERFORATION POINT (FPP)	BLM PERF. POINT (BPP1)	BLM PERF. POINT (BPP2)	1250' FSL - SEC. 2 755' FWL - SEC. 2 X=624576 Y=547731 LAT.: N 32.5054836 LONG.: W 104.0633201	445' FSL - SEC. 2 100' FWL - SEC. 2 X=623930 Y=546925 LAT.: N 32.5032716 LONG.: W 104.0654214	439' FSL - SEC. 2 0' FEL - SEC. 2 X=629114 Y=546931 LAT.: N 32.5032530 LONG.: W 104.0486089	445' FSL - SEC. 1 0' FEL - SEC. 1 X=634415 Y=546938 LAT.: N 32.5032318 LONG.: W 104.0314125	LAST PERFORATION POINT (LPP)	BOTTOM HOLE LOCATION (BHL)	729' FSL - SEC. 6 2225' FWL - SEC. 6 X=636640 Y=546941 LAT.: N 32.5032222 LONG.: W 104.0241951	729' FSL - SEC. 6 2265' FWL - SEC. 6 X=636680 Y=546941 LAT.: N 32.5032220 LONG.: W 104.0240654	<p>NEW MEXICO EAST NAD 1927</p> <table border="1"> <thead> <tr> <th>SURFACE LOCATION (SHL)</th> <th>FIRST PERFORATION POINT (FPP)</th> </tr> </thead> <tbody> <tr> <td>X=583395 Y=547670 LAT. N 32.5053642 LONG. W 104.0628184</td> <td>X=562749 Y=546864 LAT. N 32.5031922 LONG. W 104.0649197</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>BLM PERF. POINT (BPP1)</th> <th>BLM PERF. POINT (BPP2)</th> </tr> </thead> <tbody> <tr> <td>X=587933 Y=546870 LAT. N 32.5031334 LONG. W 104.0481070</td> <td>X=593234 Y=546877 LAT. N 32.5031120 LONG. W 104.0309117</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>LAST PERFORATION POINT (LPP)</th> <th>BOTTOM HOLE LOCATION (BHL)</th> </tr> </thead> <tbody> <tr> <td>X=555459 Y=546880 LAT. N 32.5031023 LONG. W 104.0235948</td> <td>X=555459 Y=546880 LAT. N 32.5031021 LONG. W 104.0235948</td> </tr> </tbody> </table>	SURFACE LOCATION (SHL)	FIRST PERFORATION POINT (FPP)	X=583395 Y=547670 LAT. N 32.5053642 LONG. W 104.0628184	X=562749 Y=546864 LAT. N 32.5031922 LONG. W 104.0649197	BLM PERF. POINT (BPP1)	BLM PERF. POINT (BPP2)	X=587933 Y=546870 LAT. N 32.5031334 LONG. W 104.0481070	X=593234 Y=546877 LAT. N 32.5031120 LONG. W 104.0309117	LAST PERFORATION POINT (LPP)	BOTTOM HOLE LOCATION (BHL)	X=555459 Y=546880 LAT. N 32.5031023 LONG. W 104.0235948	X=555459 Y=546880 LAT. N 32.5031021 LONG. W 104.0235948
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## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240

Voice 972.587.4622 • Fax 214.866.4957

[preston.cazale@matadorresources.com](mailto:preston.cazale@matadorresources.com)

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**Preston Cazale**  
**Land Analyst**

November 29, 2023

VIA FEDERAL EXPRESS

Bureau of Land Management

Attn: Jordan Yawn

301 Dinosaur Trail

Santa Fe, NM 87508

Re: Matador Production Company  
Simon Camamile 0206 Fed Com Well #201H & #202H  
Communitization Agreements

Dear Mr. Yawn:

Enclosed please find two original copies and two duplicate copies of the following:

- Federal Communitization Agreement, for the Simon Camamile 0206 Fed Com Wolfcamp Unit, containing 670.38 acres of land, more or less, described as Lots 1-8 of Sections 1 & 2, Township 21 South, Range 28 East; Lots 3-6 of Section 6, Township 21 South, Range 29 East N.M.P.M., Eddy County, New Mexico.

Please contact me if there are any questions.

Sincerely,

Matador Production Company



Preston Cazale

EXHIBIT

5



## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **February, 2023**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**Lots 1-8 of Section 2, Lots 1-8 of Section 1, Township 21 South, Range 28 East, and Lots 3-6 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **670.38** acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the

operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the

communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is **February 1, 2023**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all

parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

Operator: Matador Production Company

  
Signature of Authorized Agent

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

Date: 11/27/23

### ACKNOWLEDGEMENT

STATE OF TEXAS)

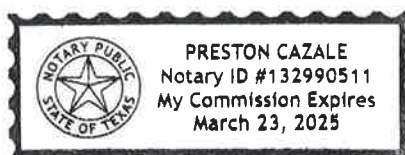
COUNTY OF DALLAS)

On this 27<sup>th</sup> day of November, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

3/23/2025  
My Commission Expires

  
Notary Public





**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By:



CW

Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Print Name

Date:

11/27/23

**ACKNOWLEDGEMENT**

STATE OF TEXAS)

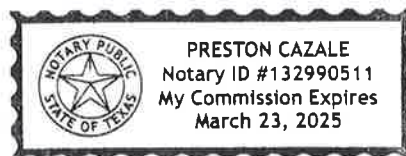
COUNTY OF DALLAS)

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(SEAL)

3/23/2025  
My Commission Expires

  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**Innoventions, Inc**

Date: 9/26/2023

By: Guadalupe Scott

Name: Guadalupe Scott

Title: president

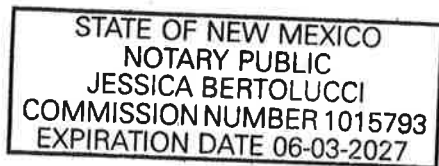
**ACKNOWLEDGEMENT**

STATE OF New Mexico  
COUNTY Bernalillo

The foregoing instrument was acknowledged before me this 26 day of September, 2023,  
by Guadalupe Scott in his/her capacity as President of  
Innoventions, Inc., on behalf of said corporation.

My Commission Expires: 6-3-2027

Jessica Bertolucci  
Notary Public





**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

Leonard Child's Trust

Michael Kyle Leonard, Trustee of the Michael Kyle

Date: 10-12-2023

By: [Signature]

Name: Michael K. Leonard

Title: Trustee

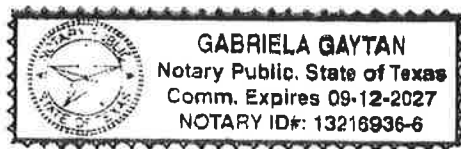
**ACKNOWLEDGEMENT**

STATE OF )  
COUNTY )

The foregoing instrument was acknowledged before me this 12<sup>th</sup> day of October, 2023,  
by Gabriela Gaytan, in his/her capacity as Notary Public of  
Michael K Leonard, on behalf of said corporation.

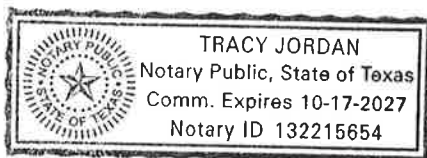
My Commission Expires: 09-12-2027

[Signature]  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD****EOG Resources, Inc**Date: 9/28/23By: [Signature]Name: Matthew W Smith <sup>Ed</sup>Title: Agent + Attorney-in-Fact**ACKNOWLEDGEMENT**STATE OF Texas )  
COUNTY Midland )

The foregoing instrument was acknowledged before me this 28<sup>th</sup> day of September, 2023,  
by Matthew W. Smith in his/her capacity as Agent + Attorney-in-Fact of  
EOG Resources, Inc, on behalf of said corporation.

My Commission Expires: 10-17-2027Tracy Jordan  
Notary Public

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD****Jalapeno Corporation**Date: 10/1/23By: [Signature]Name: H. Emmons Yates, IIITitle: Vice President**ACKNOWLEDGEMENT**STATE OF New Mexico )  
)  
COUNTY Bernalillo )

The foregoing instrument was acknowledged before me this 1<sup>st</sup> day of October, 2023,  
by H. Emmons Yates, III, in his/her capacity as Vice President of  
Jalapeno Corporation, on behalf of said corporation.

My Commission Expires: May 7, 2026[Signature]  
Notary Public

STATE OF NEW MEXICO  
NOTARY PUBLIC  
KATHRYN J. REESE  
COMMISSION # 1095499  
COMMISSION EXPIRES 05/07/2026

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**Judah Oil, LLC**

Date: September 26, 2023

By: [Signature]

Name: James B Campanella

Title: Member/Manager

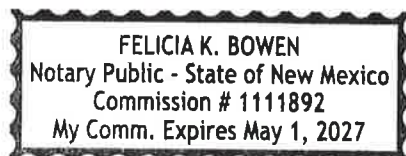
**ACKNOWLEDGEMENT**

STATE OF New Mexico )  
COUNTY Eddy )

The foregoing instrument was acknowledged before me this 26 day of September, 2023,  
by James B Campanella, in his/her capacity as Member/Manager of  
Judah Oil, LLC a New Mexico Limited Liability Company, on behalf of said corporation.

My Commission Expires: 05/01/2027

Felicia K. Bowen  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD****Charmar, LLC**Date: Sept 20 2023By: Charles R. HicksName: CHARLES R. HICKSTitle: MANAGER member**ACKNOWLEDGEMENT**STATE OF New Mexico )  
 )  
COUNTY Bernalillo )

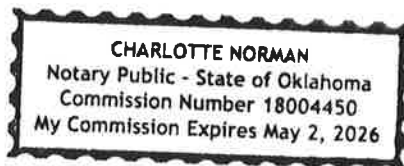
The foregoing instrument was acknowledged before me this 20<sup>th</sup> day of September, 2023,  
by Charles R. Hicks, in his/her capacity as manager member of  
Charmar, LLC, on behalf of said corporation.

My Commission Expires: 07/23/2026Monica Chavez  
Notary Public

STATE OF NEW MEXICO  
NOTARY PUBLIC  
Monica Chavez  
Commission No. 1086424  
July 23, 2026

WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORDBane Bigbie, Inc.Date: 9/19/23By: Bane BigbieName: BANE BIGBIETitle: PRES. DENTACKNOWLEDGEMENTSTATE OF OKLAHOMA )  
 )  
COUNTY MURRAY )

The foregoing instrument was acknowledged before me this 19 day of SEPT, 2023,  
by BANE BIGBIE, in his/her capacity as PRESIDENT of  
BANE BIGBIE, INC., on behalf of said corporation.

My Commission Expires: 5/2/2026Charlotte Norman  
Notary Public

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**CP Energy Investments III, LLC**

Date: 9/27/23

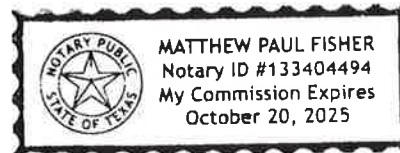
By: 

Name: Taylor Laymance

Title: Co - President

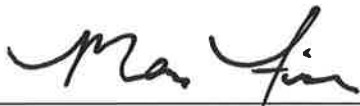
**ACKNOWLEDGEMENT**

STATE OF Texas )  
COUNTY Dallas )



The foregoing instrument was acknowledged before me this 27 day of September, 2023,  
by Taylor Laymance, in his/her capacity as Co - President of  
CP Energy Investments III LLC, on behalf of said corporation.

My Commission Expires: 10/20/2025

  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**Concho Oil & Gas LLC**

Date: 9-25-23

By: Ry D. Owen

Name: Ryan D. Owen

Title: Attorney-in-Fact

BTR  
JH

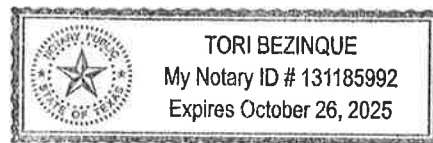
**ACKNOWLEDGEMENT**

STATE OF TEXAS       )  
                                      )  
COUNTY MIDLAND    )

The foregoing instrument was acknowledged before me this 25 day of September, 2023,  
by Ryan D. Owen, in his/her capacity as Attorney-in-Fact of  
Concho Oil & Gas, LLC, on behalf of said corporation.

My Commission Expires: 10-26-25

Tori Bezinque  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**COG Operating LLC**

Date: 9-25-23

By: 

Name: Ryan D. Owen

Title: Attorney-in-Fact

BTR  
JH

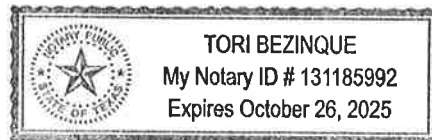
**ACKNOWLEDGEMENT**

STATE OF TEXAS       )  
                                      )  
COUNTY MIDLAND    )

The foregoing instrument was acknowledged before me this 25 day of September, 2023,  
by Ryan D. Owen, in his/her capacity as Attorney-in-Fact of  
COG Operating, LLC, on behalf of said corporation.

My Commission Expires: 10-26-25

  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

Chief Capital (O&G) II LLC

Date: 10-19-2023

By: [Signature]

Name: Walt Nixon

Title: President

**ACKNOWLEDGEMENT**

STATE OF Texas )

COUNTY Dallas )

The foregoing instrument was acknowledged before me this 19 day of October, 2023,  
by Walt Nixon, in his/her capacity as President of  
Chief Capital (O&G) II LLC, on behalf of said corporation.

My Commission Expires: 7-9-2025

[Signature]  
Notary Public

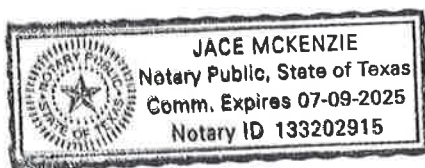


EXHIBIT “A”

Plat of communitized area covers 670.38 acres in Lots 1-8 of Section 2, Lots 1-8 of Section 1, Township 21 South, Range 28 East, and Lots 3-6 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #201H & #202H

<u>Tract 1</u> VB-0183-0003 268.20 Acres	<u>Tract 2</u> NMNM-142221 134.09 Acres	<u>Tract 3</u> NMNM-115409 134.31 Acres	<u>Tract 4</u> NMNM-115412 133.78 Acres	
Section 2	Section 1		Section 6	

**EXHIBIT "B"**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in Lots 1-8 of Section 2, Lots 1-8 of Section 1, Township 21 South, Range 28 East, and Lots 3-6 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: **Matador Production Company**

**DESCRIPTION OF LEASES COMMITTED****Tract No. 1**

<b>Lease Serial Number:</b>	VB-0183-0003
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East, Section 2: Lots 1-8
<b>Number of Acres:</b>	268.20
<b>Current Lessee of Record:</b>	Judah Oil LLC
<b>Name of Working Interest Owners:</b>	Bane Bigbie and wife, Melanie Bigbie – 0.25% Charmar, LLC – 0.375% CP Energy Investments III, LLC – 5.125% Innoventions, Inc – 2.375% Jalapeno Corporation – 4.625% Chief Capital (O&G) II, LLC ( <i>compulsory pooled</i> ) – 4.625% Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust – 0.1% Mitchell Exploration, Inc ( <i>compulsory pooled</i> ) – 0.25% MRC Permian Company – 82.175% Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust ( <i>compulsory pooled</i> ) – 0.1%

**Tract No. 2**

<b>Lease Serial Number:</b>	NMNM-142221
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East, Section 1: Lots 3-6
<b>Number of Acres:</b>	134.09
<b>Current Lessee of Record:</b>	MRC Permian Company



**Name of Working Interest Owners:** MRC Permian Company – 100%

**Tract No. 3**

**Lease Serial Number:** NMNM-115409

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: Lots 1, 2, 7 & 8

**Number of Acres:** 134.31

**Current Lessee of Record:** COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

**Name of Working Interest Owners:** COG Operating LLC – 57.5%  
Concho Oil & Gas LLC – 2.5%  
EOG Resources, Inc (*compulsory pooled*) – 30%  
Oxy Y-1 Company (*compulsory pooled*) – 10%

**Tract No. 4**

**Lease Serial Number:** NMNM-115412

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lots 3-6

**Number of Acres:** 133.78

**Current Lessee of Record:** Mewbourne Oil Company

**Name of Working Interest Owners:** 3MG Corporation (*compulsory pooled*) – 12%  
CWM 2000-B, Ltd (*compulsory pooled*) – 16.6%  
Mewbourne Development Corporation (*compulsory pooled*) – 40%  
Mewbourne Oil Company (*compulsory pooled*) – 16.6%  
Occidental Permian Limited Partnership (*compulsory pooled*) – 20%

**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	268.20	40.007160%
<b>2</b>	134.09	20.034906%
<b>3</b>	134.31	20.002088%
<b>4</b>	133.78	19.955846%
<b>Total</b>	<b>670.38</b>	<b>100.00%</b>

## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **February, 2023**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**Lots 9-16 of Section 2, Lots 9-16 of Section 1, Township 21 South, Range 28 East, and Lots 11-14 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **780.84** acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month

of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.



9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is **February 1, 2023**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.

14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

**Operator:** Matador Production Company

\_\_\_\_\_  
Signature of Authorized Agent

**By:** Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

**Date:** \_\_\_\_\_

## ACKNOWLEDGEMENT

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

**By:** \_\_\_\_\_

Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Print Name

**Date:** \_\_\_\_\_

**ACKNOWLEDGEMENT**

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of MRC Permian Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

EXHIBIT “A”

Plat of communitized area covers 780.84 acres in Lots 9-16 of Section 2, Lots 9-16 of Section 1, Township 21 South, Range 28 East, and Lots 11-14 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #203H & #204H

<u>Tract 1</u> VB-0183-0003 320 Acres	<u>Tract 2</u> NMNM-142221 160 Acres	<u>Tract 3</u> NMNM-115409 160 Acres	<u>Tract 4</u> NMNM-0029588 140.84 Acres	
Section 2	Section 1		Section 6	

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in Lots 9-16 of Section 2, Lots 9-16 of Section 1, Township 21 South, Range 28 East, and Lots 11-14 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: **Matador Production Company**

DESCRIPTION OF LEASES COMMITTED

**Tract No. 1**

<b>Lease Serial Number:</b>	VB-0183-0003
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East, Section 2: Lots 9-16
<b>Number of Acres:</b>	320
<b>Current Lessee of Record:</b>	Judah Oil LLC
<b>Name of Working Interest Owners:</b>	Bane Bigbie and wife, Melanie Bigbie – 0.25% Charmar, LLC – 0.375% CP Energy Investments III, LLC – 5.125% Innoventions, Inc – 2.375% Jalapeno Corporation – 4.625% Chief Capital (O&G) II, LLC ( <i>compulsory pooled</i> ) – 4.625% Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust – 0.1% Mitchell Exploration, Inc ( <i>compulsory pooled</i> ) – 0.25% MRC Permian Company – 82.175% Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust ( <i>compulsory pooled</i> ) – 0.1%



**Tract No. 2**

**Lease Serial Number:** NMNM-142221

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: Lots 11-14

**Number of Acres:** 160

**Current Lessee of Record:** MRC Permian Company

**Name of Working Interest Owners:** MRC Permian Company – 100%

**Tract No. 3**

**Lease Serial Number:** NMNM-115409

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: Lots 9, 10, 15 & 16

**Number of Acres:** 160

**Current Lessee of Record:** COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

**Name of Working Interest Owners:** COG Operating LLC – 57.5%  
Concho Oil & Gas LLC – 2.5%  
EOG Resources, Inc (*compulsory pooled*) – 30%  
Oxy Y-1 Company (*compulsory pooled*) – 10%

**Tract No. 4**

**Lease Serial Number:** NMNM-0029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lots 11-14

**Number of Acres:** 140.84

**Current Lessee of Record:** COG Operating LLC  
Concho Oil & Gas LLC

**Name of Working Interest Owners:** COG Operating LLC – 47.5%  
EOG Resources, Inc (*compulsory pooled*) – 22%  
Oxy Y-1 Company (*compulsory pooled*) – 16%  
Sharbro Energy, LLC (*compulsory pooled*) – 12%  
Concho Oil & Gas LLC – 2.5%

**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	320	40.981507%
<b>2</b>	160	20.490754%
<b>3</b>	160	20.490754%
<b>4</b>	140.84	18.036985%
<b>Total</b>	<b>780.84</b>	<b>100.00%</b>

## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **February, 2023**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**N2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 17 & NE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **390.36** acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the

operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the

communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is **February 1, 2023**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all



parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

**Operator: Matador Production Company**

\_\_\_\_\_  
Signature of Authorized Agent

**By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A**  
Name & Title of Authorized Agent

**Date:** \_\_\_\_\_

## ACKNOWLEDGEMENT

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

**By:** \_\_\_\_\_

Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Print Name

**Date:** \_\_\_\_\_

**ACKNOWLEDGEMENT**

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of MRC Permian Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

EXHIBIT “A”

Plat of communitized area covers 390.36 acres in N2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 17 & the NE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #205H

Section 2	Section 1	Section 6
<u>Tract 1</u> VB-0183-0003 160 Acres	<u>Tract 2</u> NMNM-115407 160 Acres	<u>Tract 3</u> NMNM-029588 70.36

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in N2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 17 & NE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: **Matador Production Company**

**DESCRIPTION OF LEASES COMMITTED**

**Tract No. 1**

<b>Lease Serial Number:</b>	VB-0183-0003
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East, Section 2: Lots N2S2
<b>Number of Acres:</b>	160.00
<b>Current Lessee of Record:</b>	Judah Oil LLC
<b>Name of Working Interest Owners:</b>	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Critterville, LLC El Capitan Ventures, LLC Innoventions, Inc Jalapeno Corporation JTD Resources, LLC LML Working Properties, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Robert K. Leonard Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust Tumbleweed Exploration, LLC

**Tract No. 2**

<b>Lease Serial Number:</b>	NMNM-115407
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East Section 1: N2S2
<b>Number of Acres:</b>	160.00
<b>Current Lessee of Record:</b>	COG Operating LLC Concho Oil & Gas LLC EOG Resources, Inc Oxy Y-1 Company
<b>Name of Working Interest Owners:</b>	COG Operating LLC Concho Oil & Gas LLC EOG Resources, Inc Oxy Y-1 Company

**Tract No. 3**

<b>Lease Serial Number:</b>	NMNM-029588
<b>Description of Land Committed:</b>	Township 21 South, Range 29 East, Section 6: Lots 17, NE/4SW/4
<b>Number of Acres:</b>	70.36
<b>Current Lessee of Record:</b>	COG Operating LLC Concho Oil & Gas LLC
<b>Name of Working Interest Owners:</b>	COG Operating LLC Concho Oil & Gas LLC Foran Oil Company Hope Royalties, LLC MRC Permian Company Oxy Y-1 Company Performance Oil and Gas Company Sharbro Energy, LLC Xplor Resources, LLC

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99%
2	160.00	40.99%
3	70.36	18.02%
Total	390.36	100.00%



## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **February, 2023**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**S2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 18 & the SE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **390.32** acres, and this agreement shall include only the Wolfcamp Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the

operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the

communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is **February 1, 2023**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all

parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

**Operator: Matador Production Company**

\_\_\_\_\_  
Signature of Authorized Agent

**By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A**  
Name & Title of Authorized Agent

**Date:** \_\_\_\_\_

## ACKNOWLEDGEMENT

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A, of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

**By:** \_\_\_\_\_

Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Print Name

**Date:** \_\_\_\_\_

**ACKNOWLEDGEMENT**

STATE OF TEXAS)

COUNTY OF DALLAS)

On this \_\_\_\_ day of \_\_\_\_\_, 2023, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A, of MRC Permian Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public



EXHIBIT “A”

Plat of communitized area covers 390.32 acres in S2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 18 & the SE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #206H

Section 2	Section 1	Section 6	
<u>Tract 1</u> VB-0183-0003 160 Acres	<u>Tract 2</u> NMNM-130856 160 Acres	<u>Tract 3</u> NMNM-029588 70.32	

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in S2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 18 & the SE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: **Matador Production Company**

**DESCRIPTION OF LEASES COMMITTED**

**Tract No. 1**

<b>Lease Serial Number:</b>	VB-0183-0003
<b>Description of Land Committed:</b>	Township 21 South, Range 28 East, Section 2: Lots S2S2
<b>Number of Acres:</b>	160.00
<b>Current Lessee of Record:</b>	Judah Oil LLC
<b>Name of Working Interest Owners:</b>	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Critterville, LLC El Capitan Ventures, LLC Innoventions, Inc Jalapeno Corporation JTD Resources, LLC LML Working Properties, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Robert K. Leonard Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust Tumbleweed Exploration, LLC

**Tract No. 2**

**Lease Serial Number:** NMNM-130856

**Description of Land Committed:** Township 21 South, Range 28  
East Section 1: S2S2

**Number of Acres:** 160.00

**Current Lessee of Record:** MRC Permian Company

**Name of Working Interest Owners:** MRC Permian Company

**Tract No. 3**

**Lease Serial Number:** NMNM-029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lots 18, SE/4SW/4

**Number of Acres:** 70.32

**Current Lessee of Record:** COG Operating LLC  
Concho Oil & Gas LLC

**Name of Working Interest Owners:** COG Operating LLC  
Concho Oil & Gas LLC  
Foran Oil Company  
Hope Royalties, LLC  
MRC Permian Company  
Oxy Y-1 Company  
Performance Oil and Gas Company  
Sharbro Energy, LLC  
Xplor Resources, LLC

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99%
2	160.00	40.99%
3	70.32	18.02%
Total	390.32	100.00%

## MRC Permian Company

One Lincoln Centre • 5400 LBJ Freeway • Suite 1500 • Dallas, Texas 75240

Voice 972.587.4622

[preston.cazale@matadorresources.com](mailto:preston.cazale@matadorresources.com)

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**Preston Cazale**  
**Land Analyst**

December 4, 2023

VIA CERTIFIED RETURN RECEIPT MAIL

New Mexico State Land Office

Attn: Baylen Lamkin

310 Old Santa Fe Trail

P.O. Box 1148

Santa Fe, NM 87501-1148

Re: Matador Production Company  
Simon Camamile 0206 Fed Com #201H, #202H  
State Communitization Agreement

Dear Mr. Lamkin:

Enclosed please find the following:

- State Communitization Agreement, for the Simon Camamile 0206 Fed Com #201H, #202H, Wolfcamp Unit, containing 670.38 acres of land, more or less, described as Lots 1-8 of Sections 1 and 2, Township 21 South, Range 28 East; Lots 3-6 of Section 6, Township 21 South, Range 29 East N.M.P.M., Eddy County, New Mexico.

Please contact me if there are any questions.

Sincerely,

Matador Production Company



Preston Cazale

**New Mexico State Land Office  
Oil, Gas, & Minerals Division**

**STATE/STATE OR  
STATE/FEE**  
Revised July 2023

**COMMUNITIZATION AGREEMENT**

ONLINE Version

API #: 30-015 \_\_\_\_\_ - 54098 \_\_\_\_\_

THIS COMMUNITIZATION AGREEMENT ("Agreement") [which is NOT to be used for carbon dioxide or helium] is entered into and made effective this 1<sup>st</sup> [day] of February [month] 2023, by and between the parties signing below ("Parties"):

WHEREAS, the Commissioner of Public Lands of the State of New Mexico ("Commissioner") is authorized by the Legislature, as set forth in Section 19-10-53, NMSA 1978, in the interest of development of oil and gas and the prevention of waste to consent to and approve the development or operation of State Trust Lands under agreements made by lessees of oil and gas leases thereon, jointly or severally with other oil & gas lessees of State Trust Lands, or oil and gas lessees or mineral owners of privately owned or fee lands, for the purpose of pooling or communitizing such lands to form a proration unit or portion thereof, or well-spacing unit, pursuant to any order, rule or regulation of the New Mexico Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department ("OCD") where such agreement provides for the allocation of the production of oil or gas from such pools or communitized areas on an acreage or other basis found by the Commissioner to be fair and equitable.

WHEREAS, the Parties own working, royalty, or other leasehold or other interests or operating rights under the oil and gas leases and lands subject to this Agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules and regulations, which leases, along with the well(s) on each lease to be encompassed by this Agreement, are more particularly described in the schedule attached hereto, marked Exhibit "A" and made a part hereof, for all purposes; and

WHEREAS, said leases, insofar as they cover the Wolfcamp formation or pool as defined by the NMOCD, as further described on Exhibit "A" (hereinafter referred to as "said formation") in and under the land hereinafter described cannot be independently developed and operated in conformity with the well-spacing program established for such formation in and under said lands; and

WHEREAS, the Parties hereto desire to communitize and pool their respective interests in said leases subject to this Agreement for the purpose of developing, operating and producing hydrocarbons in the said formation in and under the land hereinafter described subject to the terms hereof.

ONLINE  
version

State/State

1

NOW THEREFORE, in consideration of the premises and the mutual advantages to the Parties, it is mutually covenanted and agreed by and between the undersigned as follows:

1. The lands described in Exhibit A (or B) covered by this Agreement (hereinafter referred to as the "communitized area") are described as follows:

Subdivisions: Lots 1-8 of Sections 1 & 2, Lots 3-6 of Section 6

Of Sect(s): 1, 2, & 6 Twp: 21S Rng: 28E & 29E NMPM Eddy County, NM

Containing 670.38 acres, more or less. It is the judgment of the Parties that the communitization, pooling and consolidation of the aforesaid land into a single unit for the development and production of hydrocarbons from the said formation in and under said land is necessary and advisable in order to properly develop and produce the hydrocarbons in the said formation beneath the said land in accordance with the well spacing rules of the OCD, and in order to promote the conservation of the hydrocarbons in and that may be produced from said formation in and under said lands, and would be in the public interest;

AND, for the purposes aforesaid, the Parties do hereby communitize for proration or spacing purposes only the leases and depths described in Exhibit "A" hereto insofar as they cover hydrocarbons within and that may be produced from the said formation (hereinafter referred to as "communitized substances") beneath the above-described land, into a single communitization, for the development, production, operation and conservation of the hydrocarbons in said formation beneath said lands.

Attached hereto and made a part of this Agreement for all purposes, is Exhibit A showing the acreage, depths communitized, and ownership (lessees of record) of all leases within the communitized area.

2. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the Parties that all communitized substances produced therefrom shall be allocated among the leases described in Exhibit "A" hereto in the proportion that the number of surface acres covered by each of such leases and included within the communitized area bears to the total number of acres contained in the communitized area.

3. Subject to Paragraph 5, the royalties payable on communitized substances allocated to the individual leases and the rentals provided for in said leases shall be determined and paid in the manner and on the basis prescribed in each of said leases. Except as provided for under the terms and provisions of the leases described in Exhibit "A" hereto or as herein provided to the contrary, the payment of rentals or performance of other lease obligations under the terms of said leases shall not be affected by this Agreement; and except as herein modified and changed or heretofore amended, the oil and gas leases subject to this Agreement shall remain in full force and effect as originally issued and amended.



4. **Matador Production Company** shall be the operator of the said communitized area ("Operator") and all matters of operation shall be determined and performed by **Matador Production Company**. If more than one Operator operates wells subject to this Agreement, the Commissioner reserves the right to require one or more or all operators who added infill wells to this Agreement to obtain a new agreement.

5. The Commissioner hereafter is entitled to the right to take in kind the Commissioner's share for the communitized substances allocated to such tract, and the Operator shall make deliveries of such royalty share taken in kind in conformity with applicable contracts, laws, and regulations.

6. There shall be no obligation upon the Parties to offset any well or wells situated on the tracts of land comprising the communitized area, nor shall the Operator be required to measure separately the communitized substances by reason of the diverse ownership of the separate tracts of land comprising the said communitized area; provided, however, that the Parties shall not be released from their obligation to protect the communitized area from drainage of communitized substances by wells which may be drilled within offset distance (as that term is defined) of the communitized area.

7. The commencement, completion, and continued operation or production of a well or wells of communitized substances on the communitized area shall be considered as the commencement, completion, continued operation or production as to each of the leases described in Exhibit "A" hereto.

8. The production of communitized substances and disposal thereof shall be in conformity with the allocations, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State laws.

9. This Agreement shall be effective as of the date hereinabove written upon execution by the Parties, notwithstanding the date of execution, and upon approval by the Commissioner, shall remain in full force and effect for a period of one year from the date hereof and as long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all applicable State laws, rules, and regulations; provided, that this Agreement shall not expire if there is a well producing gas in paying quantities located upon some part of the communitized area, if such a well is shut-in due to the inability of the Operator to obtain a pipeline connection or to market the gas therefrom, and if either: (a) a shut-in royalty has been timely and properly paid pursuant to the provisions of one of the State of New Mexico oil and gas leases covering lands subject to this Agreement so as to prevent the expiration of such lease; or (b) each of the State of New Mexico oil and gas leases covering lands subject to this Agreement is in its primary term (if a five-year lease), or in its primary or secondary term (if a ten-year lease), or is held by production from another well located within the physical boundaries of that specific lease assignment. Provided further, however, that prior to production in paying quantities from the communitized area, and upon fulfillment of all requirements of the Commissioner with respect to any dry hole or abandoned well drilled upon the communitized area, this Agreement may be terminated at any time by mutual agreement of the Parties.

ONLINE  
version

State/State

10. Notwithstanding any other provision herein, if there is a cessation of production of communitized substances for more than sixty (60) days beginning one year after the date of execution, this Agreement shall automatically terminate, along with the ability to produce communitized substances, unless notice of reworking or drilling operations on the communitized area is made within 60 days of cessation of production of communitized substances and are thereafter conducted with reasonable diligence or the Commissioner of Public Lands otherwise grants an exception to continued drilling operations, including for the compliance of other state rules, laws, or policies. All such notices provided pursuant to this Paragraph shall be in writing and must be approved by the Commissioner. As to State Trust Lands, written notice of intention to commence any operations hereunder shall be filed with the Commissioner within thirty(30) days after the cessation of such production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this Agreement. All requests to the Commissioner to grant an exception or exceptions for the compliance of other state rules, laws, or policies must be made in writing within thirty (30) days after the cessation of such production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to this Agreement or any lease from the State of New Mexico included in this Agreement

11. Operator shall furnish the Commissioner and the OCD, with any and all reports, statements, notices and well logs and records which may be required under the laws and regulations of the State of New Mexico.

12. It is agreed between the Parties that the Commissioner, or the Commissioner's duly authorized representatives, shall have the right of supervision over all operations under the communitized area to the same extent and degree as provided in the oil and gas leases described in Exhibit "A" hereto and in the applicable oil and gas regulations of the State Land Office and the OCD.

13. If any order of the OCD upon which this Agreement is predicated or based is in anyway changed or modified, then in such event said Agreement is likewise modified to conform thereto.

14. This Agreement may be executed in any number of counterparts, no one of which needs to be executed by all Parties, or may be ratified or consented to by separate instruments, in writing, specifically referring hereto, and shall be binding upon all Parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. This Agreement shall be binding upon the Parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.

16. In the event that Operator is aggrieved by a decision of the Commissioner with respect to any action by the Commissioner arising under this Agreement, Operator may within thirty (30) days after the date of such action file an administrative contest pursuant to 19.7.64 NMSA (1978) and 19.2.15 NMAC. Operator shall initiate no court action against the Commissioner or New Mexico State Land Office regarding this Agreement except to appeal a final decision of the Commissioner rendered pursuant to such a contest proceeding, and as provided by 19.7.64 NMSA (1978). **The Parties agree that any venue for any appeal or other action shall be in Santa Fe, New Mexico.**

17. Operator shall notify the Commissioner in writing within ten (10) days of (i) Operator's receipt of any compliance order, enforcement order, notice of violation, warning letter, or other written notice of final or contemplated enforcement action taken by any federal, state, or local governmental entity arising out of or concerning any of Operator's operations on New Mexico state trust land; (ii) Operator's receipt of any order, judgment, or decree (on consent or otherwise) entered by any federal or state court against Operator arising out of or concerning any of Operator's operations on New Mexico state trust land; or (iii) Operator's receipt of any written notice of claim, written pre-suit notice, or lawsuit arising out of or concerning any of Operator's operations on New Mexico state trust land. Upon the Commissioner's request, Operator shall promptly provide the Commissioner with a copy of any such order, judgment, decree, notice, letter, or lawsuit.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

Commissioner of Public Lands: \_\_\_\_\_ Date: \_\_\_\_\_

Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

  
Signature of Authorized Agent


CW 

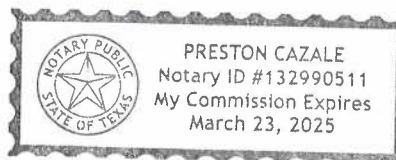
**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on November 27<sup>th</sup>, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A for Matador Production Company, on behalf of said corporation.

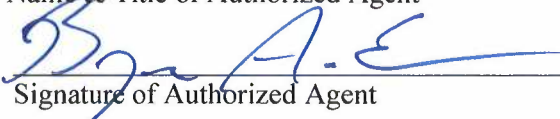
  
Signature of Notarial Officer  
My commission expires 3/23/2025



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

  
Signature of Authorized Agent


CW 

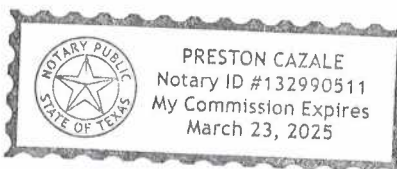
**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on November 27<sup>th</sup>, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

  
Signature of Notarial Officer  
My commission expires 3/23/2025





WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD

EOG Resources, Inc

By: [Signature]  
Matthew W Smith  
Print Name

Date: 9/20/23

Acknowledgment in an Individual Capacity

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by \_\_\_\_\_

Signature

Name (Print)

My commission expires \_\_\_\_\_

Acknowledgment in a Representative Capacity

STATE OF Texas §

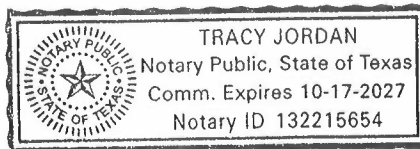
COUNTY OF Midland §

This instrument was acknowledged before me on September 28<sup>th</sup>, 2023, by Matthew W Smith, as Agent & Attorney-in-Fact, for EOG Resources, Inc. on behalf of said corporation.

[Signature]  
Signature

Tracy Jordan  
Name (Print)

My commission expires 10-17-2027



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

Judah Oil, LLC

By: \_\_\_\_\_

James B Campanella  
Print Name

Date: \_\_\_\_\_

September 26, 2023

**Acknowledgment in an Individual Capacity**

STATE OF NM §

COUNTY OF Eddy §

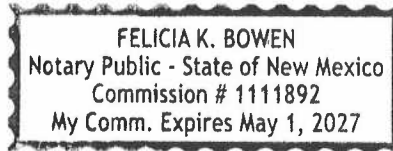
This instrument was acknowledged before me on September 26 2023, by

James B Campanella  
Member/Manager  
Judah Oil, LLC

Felicia K. Bowen  
Signature

Felicia K. Bowen  
Name (Print)

My commission expires 05/01/2027



**Acknowledgment in a Representative Capacity**

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by \_\_\_\_\_, as  
\_\_\_\_\_, for \_\_\_\_\_ on  
behalf of said corporation.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (Print)

My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

Concho Oil & Gas LLC

By: 

Ryan D. Owen, Attorney-in-Fact  
Print Name

Date: 9-25-23

BTR  
JH

**Acknowledgment in an Individual Capacity**

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by  
\_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (Print)

My commission expires \_\_\_\_\_

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS §

COUNTY OF MIDLAND §

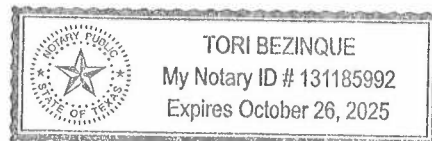
This instrument was acknowledged before me on Sept. 25, 2023, by Ryan D. Owen, as

Attorney-in-Fact, for Concho Oil & Gas, LLC on  
behalf of said corporation.

  
Signature

Tori Bezinque  
Name (Print)

My commission expires 11-24-25





WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD

COG Operating LLC

By: *Ry D A*

Ryan D. Owen, Attorney-in-Fact  
Print Name

Date: 9-25-23

*BTR*  
*J4*

Acknowledgment in an Individual Capacity

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by

\_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (Print)  
My commission expires \_\_\_\_\_

Acknowledgment in a Representative Capacity

STATE OF TEXAS §

COUNTY OF MIDLAND §

This instrument was acknowledged before me on Sept 25, 2023, by Ryan D. Owen, as

Attorney-in-Fact, for COG Operating, LLC on  
behalf of said corporation.

*T Bezique*  
Signature

Tori Bezique  
Name (Print)  
My commission expires 10-26-25

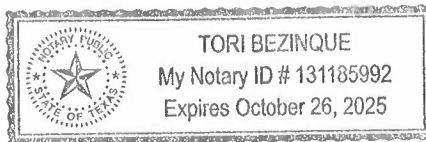


EXHIBIT “A”

Plat of communitized area covers 670.38 acres in Lots 1-8 of Section 2, Lots 1-8 of Section 1, Township 21 South, Range 28 East, and Lots 3-6 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #201H – API#: 30-015-54098

Simon Camamile 0206 Fed Com #202H – API#: 30-015-54099

<u>Tract 1</u> VB-0183-0003 268.20 Acres	<u>Tract 2</u> NMNM-142221 134.09 Acres	<u>Tract 3</u> NMNM-115409 134.31 Acres	<u>Tract 4</u> NMNM-115412 133.78 Acres	
Section 2	Section 1	Section 6		

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in Lots 1-8 of Section 2, Lots 1-8 of Section 1, Township 21 South, Range 28 East, and Lots 3-6 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

**Operator of Communitized Area:** Matador Resources Company

**DESCRIPTION OF LEASES COMMITTED**

**TRACT NO. 1**

Lease Serial Number:	VB-0183-0003
Lease Date:	2/1/1988
Lease Term:	5 Years
Lessor:	State of New Mexico
Royalty Rate:	3/16 <sup>th</sup>
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: Lots 1-8
Number of Acres:	268.20
Current Lessee of Record:	Judah Oil LLC
Name of Working Interest Owners:	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Innoventions, Inc Jalapeno Corporation Chief Capital (O&G) II, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust

**TRACT NO. 2**

Lease Serial Number: NMNM-142221

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 28 East,  
Section 1: Lots 3-6

Number of Acres: 134.09

Current Lessee of Record: MRC Permian Company

Name of Working Interest Owners: MRC Permian Company

**TRACT NO. 3**

Lease Serial Number: NMNM-115409

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 28 East,  
Section 1: Lots 1, 2, 7, & 8

Number of Acres: 134.31

Current Lessee of Record: COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

Name of Working Interest Owners: COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

ONLINE  
version

State/State

TRACT NO. 4

Lease Serial Number:	NMNM-115412
Lessor:	United States of America
Description of Land Committed:	Township 21 South, Range 29 East, Section 6: Lots 3-6
Number of Acres:	133.78
Current Lessee of Record:	Mewbourne Oil Company
Name of Working Interest Owners:	3MG Corporation CWM 2000-B, Ltd Mewbourne Development Corporation Mewbourne Oil Company Occidental Permian Limited Partnership

**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	268.20	40.007160%
<b>2</b>	134.09	20.034906%
<b>3</b>	134.31	20.002088%
<b>4</b>	133.78	19.955846%
<b>Total</b>	<b>670.38</b>	<b>100.00%</b>

ONLINE  
version

State/State

11

**NM State Land Office  
Oil, Gas, & Minerals Division**

**STATE/FEDERAL OR  
STATE/FEDERAL/FEE**

Revised August, 2021

ONLINE Version

**COMMUNITIZATION AGREEMENT**

API Initial Well: 30-0\_\_\_\_\_ - \_\_\_\_\_

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

W I T N E S S E T H:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules & regulations, which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

**1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:**

Subdivisions Lots 9-16 of Section 2, Lots 9-16 of Section 1 and Lots 11-14 of Section 6,  
Sect(s) 2, 1 & 6, T 21S, R 28E & 29E, NMPM Eddy County, NM containing 780.84 acres, more or less, and this agreement shall include only the Wolfcamp Formation or pool, underlying said lands and the oil and gas (hereinafter referred to as "communitized substances") producible from such formation.



2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is February \_\_\_\_\_ Month 1 \_\_\_\_\_ Day, 2023 Year, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his/her duly authorized representative, and by the Commissioner or his/her duly authorized representative, and shall remain in force and effect for a period of one (1) year and so long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all State laws, rules & regulations; provided, that the one-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the

Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
\_Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A for Matador Production Company, on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

EXHIBIT “A”

Plat of communitized area covers 780.84 acres in Lots 9-16 of Section 2, Lots 9-16 of Section 1, Township 21 South, Range 28 East, and Lots 11-14 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #203H & #204H

<div>Tract 1 VB-0183-0003 320 Acres</div>	<div>Tract 2 NMNM-142221 160 Acres</div>	<div>Tract 3 NMNM-115409 160 Acres</div>	<div>Tract 4 NMNM-0029588 140.84 Acres</div>	
Section 2	Section 1	Section 6		

**EXHIBIT "B"**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in Lots 9-16 of Section 2, Lots 9-16 of Section 1, Township 21 South, Range 28 East, and Lots 11-14 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

**Operator of Communitized Area:** Matador Resources Company

**DESCRIPTION OF LEASES COMMITTED****TRACT NO. 1**

Lease Serial Number:	VB-0183-0003
Lease Date:	2/1/1988
Lease Term:	5 Years
Lessor:	State of New Mexico
Royalty Rate:	3/16 <sup>th</sup>
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: Lots 9-16
Number of Acres:	320.00
Current Lessee of Record:	Judah Oil LLC
Name of Working Interest Owners:	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Innoventions, Inc Jalapeno Corporation Chief Capital (O&G) II, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust

**TRACT NO. 2**

Lease Serial Number: NMNM-142221

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 28 East,  
Section 1: Lots 11-14

Number of Acres: 160.00

Current Lessee of Record: MRC Permian Company

Name of Working Interest Owners: MRC Permian Company

**TRACT NO. 3**

Lease Serial Number: NMNM-115409

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 28 East,  
Section 1: Lots 9,10, 15 & 16

Number of Acres: 160.00

Current Lessee of Record: COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

Name of Working Interest Owners: COG Operating LLC  
Concho Oil & Gas LLC  
EOG Resources, Inc  
Oxy Y-1 Company

**TRACT NO. 4**

Lease Serial Number: NMNM-0029588

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 29 East,  
Section 6: Lots 11-14

Number of Acres: 140.84

Current Lessee of Record: COG Operating LLC  
Concho Oil & Gas LLC

Name of Working Interest Owners: COG Operating LLC  
EOG Resources, Inc  
Oxy Y-1 Company  
Sharbro Energy, LLC  
Concho Oil & Gas LLC



**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	320	40.981507%
<b>2</b>	160	20.490754%
<b>3</b>	160	20.490754%
<b>4</b>	140.84	18.036985%
<b>Total</b>	<b>780.84</b>	<b>100.00%</b>

**NM State Land Office  
Oil, Gas, & Minerals Division**

**STATE/FEDERAL OR  
STATE/FEDERAL/FEE**

Revised August, 2021

ONLINE Version

**COMMUNITIZATION AGREEMENT**

API Initial Well: 30-0\_\_\_\_\_ - \_\_\_\_\_

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

W I T N E S S E T H:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules & regulations, which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

**1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:**

Subdivisions N2S2 of Sections 2 & 1, Lot 17 & NE/4SW/4 of Section 6 \_\_\_\_\_,

Sect(s) 2, 1 & 6, T 21S \_\_\_\_\_, R 28E & 29E, NMPM Eddy County, NM containing 390.36 acres, more or less, and this agreement shall include only the Wolfcamp Formation or pool, underlying said lands and the oil and gas (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is February \_\_\_\_\_ Month 1 \_\_\_\_\_ Day, 2023 Year, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his/her duly authorized representative, and by the Commissioner or his/her duly authorized representative, and shall remain in force and effect for a period of one (1) year and so long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all State laws, rules & regulations; provided, that the one-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the

Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for Matador Production Company, on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

EXHIBIT “A”

Plat of communitized area covers 390.36 acres in N2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 17 & the NE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #205H

Section 2	Section 1	Section 6	
<u>Tract 1</u> VB-0183-0003 160 Acres	<u>Tract 2</u> NMNM-115407 160 Acres	<u>Tract 3</u> NMNM-029588 70.36	



**EXHIBIT "B"**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in N2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 17 & NE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: Matador Resources Company

**DESCRIPTION OF LEASES COMMITTED****TRACT NO. 1**

Lease Serial Number:	VB-0183-0003
Lease Date:	2/1/1988
Lease Term:	5 Years
Lessor:	State of New Mexico
Royalty Rate:	3/16 <sup>th</sup>
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: N2S2
Number of Acres:	160.00
Current Lessee of Record:	Judah Oil LLC
Name of Working Interest Owners:	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Critterville, LLC El Capitan Ventures, LLC Innoventions, Inc Jalapeno Corporation JTD Resources, LLC LML Working Properties, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Robert K. Leonard Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust Tumbleweed Exploration, LLC

**TRACT NO. 2**

Lease Serial Number:	NMNM-115407
Lessor:	United States of America
Description of Land Committed:	Township 21 South, Range 28 East Section 1: N2S2
Number of Acres:	160.00
Current Lessee of Record:	COG Operating LLC Concho Oil & Gas LLC EOG Resources, Inc Oxy Y-1 Company
Name of Working Interest Owners:	COG Operating LLC Concho Oil & Gas LLC EOG Resources, Inc Oxy Y-1 Company

**TRACT NO. 3**

Lease Serial Number:	NMNM-029588
Lessor:	United States of America
Description of Land Committed:	Township 21 South, Range 29 East, Section 6: Lots 17, NE/4SW/4
Number of Acres:	70.36
Current Lessee of Record:	COG Operating LLC Concho Oil & Gas LLC
Name of Working Interest Owners:	COG Operating LLC Concho Oil & Gas LLC Foran Oil Company Hope Royalties, LLC MRC Permian Company Oxy Y-1 Company Performance Oil and Gas Company Sharbro Energy, LLC Xplor Resources, LLC

**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	160.00	40.99%
<b>2</b>	160.00	40.99%
<b>3</b>	70.36	18.02%
<b>Total</b>	<b>390.36</b>	<b>100.00%</b>

**NM State Land Office  
Oil, Gas, & Minerals Division**

**STATE/FEDERAL OR  
STATE/FEDERAL/FEE**

Revised August, 2021

**ONLINE Version  
COMMUNITIZATION AGREEMENT**

API Initial Well: 30-0\_\_\_\_\_ - \_\_\_\_\_

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

**W I T N E S S E T H:**

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules & regulations, which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

**1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:**

Subdivisions S2S2 of Sections 2 & 1, Lot 18 & SE/4SW/4 of Section 6,

Sect(s) 2, 1 & 6, T 21S, R 28E & 29E, NMPM Eddy County, NM containing 390.32 acres, more or less, and this agreement shall include only the Wolfcamp Formation or pool, underlying said lands and the oil and gas (hereinafter referred to as "communitized substances") producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is February \_\_\_\_\_ Month 1 \_\_\_\_\_ Day, 2023 Year, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his/her duly authorized representative, and by the Commissioner or his/her duly authorized representative, and shall remain in force and effect for a period of one (1) year and so long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all State laws, rules & regulations; provided, that the one-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the

Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.



Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A for Matador Production Company, on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2023, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer  
My commission expires \_\_\_\_\_

EXHIBIT “A”

Plat of communitized area covers 390.32 acres in S2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 18 & the SE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Simon Camamile 0206 Fed Com #206H

Section 2	Section 1	Section 6	
<u>Tract 1</u> VB-0183-0003 160 Acres	<u>Tract 2</u> NMNM-130856 160 Acres	<u>Tract 3</u> NMNM-029588 70.32	

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated February 1, 2023, embracing the following described land in S2S2 of Sections 2 & 1, Township 21 South, Range 28 East, Lot 18 & the SE/4SW/4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

**Operator of Communitized Area:** Matador Resources Company

**DESCRIPTION OF LEASES COMMITTED**

**TRACT NO. 1**

Lease Serial Number:	VB-0183-0003
Lease Date:	2/1/1988
Lease Term:	5 Years
Lessor:	State of New Mexico
Royalty Rate:	3/16 <sup>th</sup>
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: S2S2
Number of Acres:	160.00
Current Lessee of Record:	Judah Oil LLC
Name of Working Interest Owners:	Bane Bigbie and wife, Melanie Bigbie Charmar, LLC CP Energy Investments III, LLC Critterville, LLC El Capitan Ventures, LLC Innoventions, Inc Jalapeno Corporation JTD Resources, LLC LML Working Properties, LLC Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust Mitchell Exploration, Inc MRC Permian Company Robert K. Leonard Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust Tumbleweed Exploration, LLC

**TRACT NO. 2**

Lease Serial Number: NMNM-130856

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 28 East Section 1: S2S2

Number of Acres: 160.00

Current Lessee of Record: MRC Permian Company

Name of Working Interest Owners: MRC Permian Company

**TRACT NO. 3**

Lease Serial Number: NMNM-029588

Lessor: United States of America

Description of Land Committed: Township 21 South, Range 29 East,  
Section 6: Lots 18, SE/4SW/4

Number of Acres: 70.32

Current Lessee of Record: COG Operating LLC  
Concho Oil & Gas LLC

Name of Working Interest Owners: COG Operating LLC  
Concho Oil & Gas LLC  
Foran Oil Company  
Hope Royalties, LLC  
MRC Permian Company  
Oxy Y-1 Company  
Performance Oil and Gas Company  
Sharbro Energy, LLC  
Xplor Resources, LLC

**RECAPITULATION**

<b>Tract No.</b>	<b>No. of Acres Committed</b>	<b>Percentage of Interest in Communitized Area</b>
<b>1</b>	160.00	40.99%
<b>2</b>	160.00	40.99%
<b>3</b>	70.32	18.02%
<b>Total</b>	<b>390.32</b>	<b>100.00%</b>

NM State Land Office  
Oil, Gas, & Minerals Division

STATE/FEDERAL OR  
STATE/FEDERAL/FEE

Revised June, 2022

ONLINE Version

# COMMUNITIZATION AGREEMENT

API Initial Well: 30-\_\_\_\_\_-\_\_\_\_\_

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

## WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules & regulations, which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Subdivisions N2S2 of Sections 1 & 2-21S-28E & Lot 17, NE4SW4 of Section 6-21S-29E,

Sect(s) 1, 2, 6, T 21S, R 28E & 29E, NMPM Eddy County, NM

containing 390.36 acres, more or less, and this agreement shall include only the

Bone Spring Formation

or pool, underlying said lands and the oil and gas

(hereinafter referred to as "communitized substances") producible from such formation.

Simon Camamile 0206 Fed Com #125H – State Comm Agreement

2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is April Month 1<sup>st</sup> Day, 2024 Year, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his/her duly authorized representative, and by the Commissioner or his/her duly authorized representative, and shall remain in force and effect for a period of one (1) year and so long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all State laws, rules & regulations; provided, that the one-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the



Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2024, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A for Matador Production Company, on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer

My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2024, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer

My commission expires \_\_\_\_\_

EXHIBIT “A”

Plat of communitized area covering **390.36** acres in the **N2S2** of **Sections 1 & 2, Township 21 South, Range 28 East, & Lot 17, NE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

**Simon Camamile 0206 Fed Com #125H**

Section 2-21S-28E	Section 1-21S-28E	Section 6-21S-29E
Tract 1 VB-0183-0003 160.00 acres	Tract 2 NMNM-115407 160.00 acres	Tract 3 NMNM-029588 70.36 acres

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated April 1, 2024, embracing the following described land in the N2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 17, NE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.

Operator of Communitized Area: **Matador Production Company**

DESCRIPTION OF LEASES COMMITTED

**Tract No. 1**

**Lease Serial Number:** VB-0183-0003

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 2: N2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** Judah Oil, LLC

**Name and Percent of Working Interest Owners:** MRC Permian Company  
CEP SPV I, LLC  
Innoventions, Inc.  
COG Operating, LLC

**Tract No. 2**

**Lease Serial Number:** NMNM-115407

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: N2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC  
EOG Resources, Inc.  
Oxy Y-1 Company

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
EOG Resources, Inc.  
Oxy Y-1 Company

**Tract No. 3**

**Lease Serial Number:** NMNM-0029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lot 17, NE4SW4

**Number of Acres:** 70.36

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
Oxy Y-1 Company  
Fortess Energy Delaware, LLC  
Foran Oil Company  
Performance Oil and Gas Company  
MRC Permian Company

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99
2	160.00	40.99
3	70.36	18.02
Total	390.36	100.00%

## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **April, 2024**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**N2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 17, NE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **390.36** acres, and this agreement shall include only the Bone Spring Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the

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operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the



communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.

10. The date of this agreement is **April 1, 2024**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all

parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

**Operator:** Matador Production Company

\_\_\_\_\_  
Signature of Authorized Agent

By: Bryan A. Erman E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

**Date:** \_\_\_\_\_

## ACKNOWLEDGEMENT

STATE OF **TEXAS**)

COUNTY OF **DALLAS**)

On this \_\_\_\_ day of \_\_\_\_\_, 2024, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

*Simon Camamile 0206 Fed Com #125H – Federal Comm Agreement*

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

**By:** \_\_\_\_\_

Bryan A. Erman E.V.P. and General Counsel and Head of M&A  
Print Name

**Date:** \_\_\_\_\_

**ACKNOWLEDGEMENT**

STATE OF **TEXAS**)

COUNTY OF **DALLAS**)

On this \_\_\_\_ day of \_\_\_\_\_, 2024, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of MRC Permian Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

**SELF CERTIFICATION STATEMENT FOR COMMUNITIZATION AGREEMENT WORKING  
INTEREST**

COMMUNITIZATION AGREEMENT: \_\_\_\_\_

I, the undersigned, hereby certify, on behalf of **Matador Production Company**, the Operator under the captioned Communitization Agreement, that all working interest owners shown on Exhibit "B" attached to the Communitization Agreement are, to the best of my knowledge, the true and correct owners of the leases committed to the Communitization Agreement, and the consents of the requisite working interest owners have been obtained.

I, further certify that the Communitization Agreement follows the standard form except for Sections 1 and 10.

NAME: \_\_\_\_\_

Signature of office

Printed: Bryan A. Erman

TITLE: E.V.P. and General Counsel and Head of M&A

Phone number : (972) -371-5469

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**EXHIBIT “A”**

Plat of communitized area covering **390.36** acres in the **N2S2** of **Sections 1 & 2, Township 21 South, Range 28 East, & Lot 17, NE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

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<b>Section 2-21S-28E</b>	<b>Section 1-21S-28E</b>	<b>Section 6-21S-29E</b>
<b>Tract 1 VB-0183-0003 160.00 acres</b>	<b>Tract 2 NMNM-115407 160.00 acres</b>	<b>Tract 3 NMNM-029588 70.36 acres</b>

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated April 1, 2024, embracing the following described land in the **N2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 17, NE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Operator of Communitized Area: **Matador Production Company**

**DESCRIPTION OF LEASES COMMITTED**

**Tract No. 1**

**Lease Serial Number:** VB-0183-0003

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 2: N2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** Judah Oil, LLC

**Name and Percent of Working Interest Owners:** MRC Permian Company  
CEP SPV I, LLC  
Innoventions, Inc.  
COG Operating, LLC

**Tract No. 2**

**Lease Serial Number:** NMNM-115407

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: N2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC  
EOG Resources, Inc.  
Oxy Y-1 Company

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
EOG Resources, Inc.  
Oxy Y-1 Company



**Tract No. 3**

**Lease Serial Number:** NMNM-0029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lot 17, NE4SW4

**Number of Acres:** 70.36

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
Oxy Y-1 Company  
Fortess Energy Delaware, LLC  
Foran Oil Company  
Performance Oil and Gas Company  
MRC Permian Company

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99
2	160.00	40.99
3	70.36	18.02
Total	390.36	100.00%

NM State Land Office  
Oil, Gas, & Minerals Division

STATE/FEDERAL OR  
STATE/FEDERAL/FEE

Revised June, 2022

ONLINE Version

# COMMUNITIZATION AGREEMENT

API Initial Well: 30-\_\_\_\_\_-\_\_\_\_\_

THIS AGREEMENT, entered into as of the date shown in Section 10 hereof by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto,"

## WITNESSETH:

WHEREAS, the Act of February 25, 1920, 41 Stat. 437, as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a federal oil and gas lease, or any portions thereof, with other lands, whether or not owned by the United States, when separate tracts under such federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area, and such communitization or pooling is determined to be in the public interest; and,

WHEREAS, the Commissioner of Public Lands of the State of New Mexico, herein called "the Commissioner", is authorized to consent to and approve agreements pooling state oil and gas leases or any portion thereof, when separate tracts under such state leases cannot be independently developed and operated economically in conformity with well-spacing and gas proration rules and regulations established for the field or area and such pooling is determined to be in the public interest; and,

WHEREAS, the parties hereto own working, royalty, or other leasehold interests, or operating rights under the oil and gas leases and land subject to this agreement, and all such State leases are required to remain in good standing and compliant with State laws, rules & regulations, which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and,

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of the agreement;

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

Subdivisions S2S2 of Sections 1 & 2-21S-28E & Lot 18, SE4SW4 of Section 6-21S-29E,

Sect(s) 1, 2, 6, T 21S, R 28E & 29E, NMPM Eddy County, NM

containing 390.32 acres, more or less, and this agreement shall include only the

Bone Spring Formation

or pool, underlying said lands and the oil and gas

(hereinafter referred to as "communitized substances") producible from such formation.

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2. Attached hereto, and made a part of this agreement for all purposes, is Exhibit "B" designating the operator of the communitized area and showing the acreage, percentage, and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer and three (3) additional executed copies thereof shall be filed with the Commissioner.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, and the Commissioner, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties, and such other reports as are deemed necessary to compute monthly the royalty due the United States and the State of New Mexico, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any federal lease bearing a sliding-or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.

8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules, and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or is such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is April Month 1<sup>st</sup> Day, 2024 Year, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution of the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of Interior, or his/her duly authorized representative, and by the Commissioner or his/her duly authorized representative, and shall remain in force and effect for a period of one (1) year and so long thereafter as communitized substances are produced from the communitized area in paying quantities, and so long as all State leases remain in good standing with all State laws, rules & regulations; provided, that the one-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period; provided further that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of Interior, or his duly authorized representative, and all requirements of the Commissioner, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted and prosecuted with reasonable diligence. As to lands owned by the State of New Mexico, written notice of intention to commence such operations shall be filed with the Commissioner within thirty (30) days after the cessation of such capability of production, and a report of the status of such operations shall be made by the Operator to the Commissioner every thirty (30) days, and the cessation of such operations for more than twenty (20) consecutive days shall be considered as an abandonment of such operations as to any lease from the State of New Mexico included in this agreement.
11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal lands shall be subject to approval by the

Secretary of the Interior, and as to State of New Mexico lands shall be subject to approval by the Commissioner.

12. It is agreed by the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor, and in the applicable oil and gas operating regulations of the Department of the Interior. It is further agreed between the parties hereto that the Commissioner shall have the right of supervision over all operations to the same extent and degree as provided in the oil and gas leases under which the State of New Mexico is lessor and in the applicable oil and gas statutes and regulations of the State of New Mexico.
13. The agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.
15. Nondiscrimination: In connection with the performance of work under this agreement, the Operator agrees to comply with all of the provisions of Section 202 (1) to (7) inclusive, of Executive Order 11246 (30 F. R. 12319), as amended which are hereby incorporated by reference in this agreement.

**IN WITNESS WHEREOF**, the parties hereto have executed this agreement as of the day and year first written and have set opposite their respective names the date of execution.

Operator: **Matador Production Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2024, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A for Matador Production Company, on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer

My commission expires \_\_\_\_\_

**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

By: Bryan A. Erman - E.V.P. and General Counsel and Head of M&A  
Name & Title of Authorized Agent

\_\_\_\_\_  
Signature of Authorized Agent

**Acknowledgment in a Representative Capacity**

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on \_\_\_\_\_, 2024, by Bryan A. Erman, as E.V.P. and General Counsel and Head of M&A, for MRC Permian Company on behalf of said corporation.

\_\_\_\_\_  
Signature of Notarial Officer

My commission expires \_\_\_\_\_

**EXHIBIT “A”**

Plat of communitized area covering **390.32** acres in the **S2S2** of **Sections 1 & 2, Township 21 South, Range 28 East, & Lot 18, SE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

**Simon Camamile 0206 Fed Com #126H**

<b>Section 2-21S-28E</b>	<b>Section 1-21S-28E</b>	<b>Section 6-21S-29E</b>
<b>Tract 1 VB-0183-0003 160.00 acres</b>	<b>Tract 2 NMNM-130856 160.00 acres</b>	<b>Tract 3 NMNM-029588 70.32 acres</b>



**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated April 1, 2024, embracing the following described land in the **S2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 18, SE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Operator of Communitized Area: **Matador Production Company**

DESCRIPTION OF LEASES COMMITTED

**Tract No. 1**

**Lease Serial Number:** VB-0183-0003

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 2: S2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** Judah Oil, LLC

**Name and Percent of Working Interest Owners:** MRC Permian Company  
CEP SPV I, LLC  
Innoventions, Inc.  
COG Operating, LLC

**Tract No. 2**

**Lease Serial Number:** NMNM-130856

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: S2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** MRC Permian Company

**Name and Percent of Working Interest Owners:** MRC Permian Company

**Tract No. 3**

**Lease Serial Number:** NMNM-0029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lot 18, SE4SW4

**Number of Acres:** 70.32

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
Oxy Y-1 Company  
Fortress Energy Delaware, LLC  
Foran Oil Company  
Performance Oil and Gas Company  
MRC Permian Company

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99
2	160.00	40.99
3	70.32	18.02
Total	390.32	100.00%

## Federal Communitization Agreement

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the **1<sup>st</sup>** day of **April, 2024**, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto."

### WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented, authorizes communitization or drilling agreements communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interests, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interests in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") are described as follows:

**S2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 18, SE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Containing **390.32** acres, and this agreement shall include only the Bone Spring Formation underlying said lands and the oil and gas hereafter referred to as "communitized substances," producible from such formation.

2. Attached hereto, and made a part of this agreement for all purposes is Exhibit "A", a plat designating the communitized area and, Exhibit "B", designating the

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operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.

3. The Operator of the communitized area shall be **Matador Production Company 5400 Lyndon B Johnson Fwy, Suite 1500, Dallas, Texas, 75240**. All matters of operations shall be governed by the operator under and pursuant to the terms and provisions of this agreement. A successor operator may be designated by the owners of the working interest in the communitized area and four (4) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas operating regulations.
5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced there from shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.

If the communitized area approved in this Agreement contains unleased Federal lands, the value of  $1/8^{\text{th}}$  or  $12 \frac{1}{2}$  percent for the Federal lands, of the production that would be allocated to such Federal lands, described above, if such lands were leased, committed and entitled to participation, shall be payable as compensatory royalties to the Federal government. The remaining  $7/8^{\text{th}}$  should be placed into an escrow account set up by the operator. Parties to the Agreement holding working interest in committed leases within the applicable communitized area are responsible for such royalty payments on the volume of the production reallocated from the unleased Federal lands to their communitized tracts as set forth in Exhibit "B" attached hereto. The value of such production subject to the payment of said royalties shall be determined pursuant to the method set forth in 30 CFR Part 1206 for the unleased Federal lands. Payment of compensatory royalties on the production reallocated from the unleased Federal lands to the committed tracts within the communitized area shall fulfill the Federal royalty obligation for such production. Payment of compensatory royalties, as provided herein, shall accrue from the date the committed tracts in the communitized area that includes unleased Federal land receive a production allocation, and shall be due and payable by the last day of the calendar month next following the calendar month of actual production. Payment due under this provision shall end when the Federal tract is leased or when production of communitized substances ceases within the

communitized area and the Communitization Agreement is terminated, whichever occurs first.

Any party acquiring a Federal lease of the unleased Federal lands included in the communitized area established hereunder, will be subject to this Agreement as of the effective date of the Federal leases to said party (ies). Upon issuance of the Federal lease and payment of its proportionate cost of the well, including drilling, completing and equipping the well, the acquiring party (ies) shall own the working interest described in the Tract, as described on Exhibit "B", and shall have the rights and obligations of said working interest as to the effective date of the Federal Lease.

6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitization agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. There shall be no obligation on the lessees to offset any well or wells completed in the same formation as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation, or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation, or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes.

- This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is **April 1, 2024**, and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of 2 years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities: Provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within 60 days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The 2-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.
  11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors in interests until this agreement terminates and any grant, transfer, or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee, or other successor in interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
  12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all Fee and State mineral operations within the communitized area to the extent necessary to monitor production and measurement, and assure that no avoidable loss of hydrocarbons occur in which the United States has an interest pursuant to applicable oil and gas regulations of the Department of the Interior relating to such production and measurement.
  13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors, and assigns.
  14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all

parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties had signed the same document.

15. Nondiscrimination. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

**Operator: Matador Production Company**

\_\_\_\_\_  
Signature of Authorized Agent

**By: Bryan A. Erman E.V.P. and General Counsel and Head of M&A**  
Name & Title of Authorized Agent

**Date:** \_\_\_\_\_

## ACKNOWLEDGEMENT

STATE OF **TEXAS**)

COUNTY OF **DALLAS**)

On this \_\_\_\_ day of \_\_\_\_\_, 2024, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of Matador Production Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public



**WORKING INTEREST OWNERS  
AND/OR LESSEES OF RECORD**

**MRC Permian Company**

**By:** \_\_\_\_\_

Bryan A. Erman E.V.P. and General Counsel and Head of M&A  
Print Name

**Date:** \_\_\_\_\_

**ACKNOWLEDGEMENT**

STATE OF **TEXAS**)

COUNTY OF **DALLAS**)

On this \_\_\_\_ day of \_\_\_\_\_, 2024, before me, a Notary Public for the State of Texas, personally appeared Bryan A. Erman, known to me to be the E.V.P. and General Counsel and Head of M&A of MRC Permian Company, the corporation that executed the foregoing instrument and acknowledged to me such corporation executed the same.

(SEAL)

\_\_\_\_\_  
My Commission Expires

\_\_\_\_\_  
Notary Public

**SELF CERTIFICATION STATEMENT FOR COMMUNITIZATION AGREEMENT WORKING  
INTEREST**

COMMUNITIZATION AGREEMENT: \_\_\_\_\_

I, the undersigned, hereby certify, on behalf of **Matador Production Company**, the Operator under the captioned Communitization Agreement, that all working interest owners shown on Exhibit "B" attached to the Communitization Agreement are, to the best of my knowledge, the true and correct owners of the leases committed to the Communitization Agreement, and the consents of the requisite working interest owners have been obtained.

I, further certify that the Communitization Agreement follows the standard form except for Sections 1 and 10.

NAME: \_\_\_\_\_

Signature of office

Printed: Bryan A. Erman

TITLE: E.V.P. and General Counsel and Head of M&A

Phone number : (972) -371-5469

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**EXHIBIT “A”**

Plat of communitized area covering **390.32** acres in the **S2S2** of **Sections 1 & 2, Township 21 South, Range 28 East, & Lot 18, SE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

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<b>Section 2-21S-28E</b>	<b>Section 1-21S-28E</b>	<b>Section 6-21S-29E</b>
<b>Tract 1 VB-0183-0003 160.00 acres</b>	<b>Tract 2 NMNM-130856 160.00 acres</b>	<b>Tract 3 NMNM-029588 70.32 acres</b>

**EXHIBIT “B”**

Attached to and made a part of that certain Communitization Agreement dated April 1, 2024, embracing the following described land in the **S2S2 of Sections 1 & 2, Township 21 South, Range 28 East, & Lot 18, SE4SW4 of Section 6, Township 21 South, Range 29 East, Eddy County, New Mexico.**

Operator of Communitized Area: **Matador Production Company**

**DESCRIPTION OF LEASES COMMITTED**

**Tract No. 1**

**Lease Serial Number:** VB-0183-0003

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 2: S2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** Judah Oil, LLC

**Name and Percent of Working Interest Owners:** MRC Permian Company  
CEP SPV I, LLC  
Innoventions, Inc.  
COG Operating, LLC

**Tract No. 2**

**Lease Serial Number:** NMNM-130856

**Description of Land Committed:** Township 21 South, Range 28 East,  
Section 1: S2S2

**Number of Acres:** 160.00 acres

**Current Lessee of Record:** MRC Permian Company

**Name and Percent of Working Interest Owners:** MRC Permian Company

**Tract No. 3**

**Lease Serial Number:** NMNM-0029588

**Description of Land Committed:** Township 21 South, Range 29 East,  
Section 6: Lot 18, SE4SW4

**Number of Acres:** 70.32

**Current Lessee of Record:** COG Operating, LLC  
Concho Oil and Gas, LLC

**Name and Percent of Working Interest Owners:** COG Operating, LLC  
Concho Oil and Gas, LLC  
Oxy Y-1 Company  
Fortress Energy Delaware, LLC  
Foran Oil Company  
Performance Oil and Gas Company  
MRC Permian Company

**RECAPITULATION**

Tract No.	No. of Acres Committed	Percentage of Interest in Communitized Area
1	160.00	40.99
2	160.00	40.99
3	70.32	18.02
Total	390.32	100.00%

Regeneration Energy Corp.	P.O. Box 210	Artesia	NM	88211-0840
The Allar Company	P.O. Box 1567	Graham	TX	76450
Premier Oil & Gas, Inc.	P.O. Box 837205	Richardson	TX	75083
Dastarac Inc.	2308 Sierra Vista Rd.	Artesia	NM	88211
Raye Miller and wife, Mary Miller	2308 Sierra Vista Rd.	Artesia	NM	88211
Joel Miller and wife, Robin Miller	P.O. Box 357	Artesia	NM	88211
William Miller	2306 Sierra Vista Rd.	Artesia	NM	88211
Innoventions, Inc.	P.O. Box 40	Cedar Crest	NM	87008
Cibola Land Corporation	1429 Central Ave. SW, STE 3	Albuquerque	NM	87104
Kenneth Barbe, Jr.	121 W. Third St.	Roswell	NM	88201
Stephen T. Mitchell	P.O. Box 2415	Midland	TX	79702
Don Grady	P.O. Box 30801	Albuquerque	NM	87190
Duane Brown	706 Apache Dr.	Yuma	CO	80759
Bruce J. Pierce, Trustee of the Pierce Irrevocable Trust				
No. 2	6201 Uptown Blvd., NE, Ste. 201	Albuquerque	NM	87110
Southwest Petroleum Land Services, LLC	1901 West 4th Street	Roswell	NM	88201
Permian Basin Investment Corporation	500 N. Kentucky	Roswell	NM	88201
Ronadero Company, Inc.	P.O. Box 746	Big Horn	WY	82833
Natalie V. Hanagan	1922 18th Ave. West	Williston	ND	58801
Hutchings Oil Company	P.O. Box 1216	Albuquerque	NM	87103
George L. Scott, III	P.O. Box 40	Cedar Crest	NM	87008
Dan O'Neill and wife, Deborah O'Neill	P.O. Box 4831	Midland	TX	79704
Sealy H. Cavin, Jr.	400 First Plaza, Ste 610	Albuquerque	NM	87102
Leonard Legacy Royalty, LLC	P.O. Box 3422	Midland	TX	79702
LML Properties, LLC	P.O. Box 3194	Boulder	CO	80307
Jack's Peak, LLC	P.O. Box 294928	Kerrville	TX	78029
Schutz Abstract Company	P.O. Box 973	Santa Fe	NM	87504
James B. O'Neill, II, Trustee of the James A. O'Neill				
Revocable Trust	P.O. Box 942	Fort Collins	CO	80522
Hammersmith Realty, Inc.	45 Beaverbrook Crescent	St. Albert, Alberta	Canada	T8N 3Y1
Charmar, LLC	4815 Vista Del Oso Ct., NE	Albuquerque	NM	87109
Bane Bigbie and wife, Melanie Bigbie	P.O. Box 998	Ardmore	OK	73402
Mitchell Exploration, Inc.	6212 Homestead Blvd.	Midland	TX	79707
MCM Royalties, LLC	P.O. Box 1540	Midland	TX	79702

Kevin K. Leonard, Trustee of the Kevin K. Leonard Child's Trust	P.O. Box 50688	Midland	TX	79710
Molly M. Azopardi, Trustee of the Molly M. Azopardi Child's Trust	P.O. Box 620	Wimberly	TX	78676
Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust	1018 Sunset Canyon N.	Dripping Springs	TX	78620
Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust	P.O. Box 2625	Eagle Pass	TX	78853
Patrick Leonard, Trustee of the Patrick Leonard Child's Trust	P.O. Box 700633	San Antonio	TX	78270
S. E. S. Investments, Ltd.	P.O. Box 10886	Midland	TX	79702
First Southern Funding, LLC	P.O. Box 328	Stanford	KY	40484
Voyage Energy, LP	P.O. Box 11232	Midland	TX	79702
Red River Holdings, LLC	P.O. Box 10886	Midland	TX	79702
TMT Energy Resources, Inc.	5600 N. May Ave., Ste. 320	Oklahoma City	OK	73112
EM1 Energy, LLC	5600 N. May Ave., Ste. 320	Oklahoma City	OK	73112
Samuel George Jones	P.O. Box 10253	Midland	TX	79702
Mongoose Minerals LLC	600 W. Illinois Ave.	Midland	TX	79705
EOG Resources, Inc.	1111 Bagby, Sky Lobby 2	Houston	TX	77002
Nestegg Energy Corporation	2308 Sierra Vista Rd.	Artesia	NM	88210
New Mexico Oil Corporation	P.O. Box 1714	Roswell	NM	88202
Robert Kelly Leonard	P.O. Box 294928	Kerrville	TX	78029
JTD Resources, LLC	P.O. Box 3422	Midland	TX	79702
Regen Royalty Corp.	P.O. Box 210	Artesia	NM	88211
Allar Development, LLC	P.O. Box 1567	Graham	TX	76450
New Mexico Oil Corporation	P.O. Box 1714	Roswell	NM	88202
Jalapeno Corporation	P.O. Box 1608	Albuquerque	NM	87103
Elk Range Royalties, LP	2110 Farrington Street	Dallas	TX	75207
Rockwell Energy Resources, LLC	P.O. Box 54584	Oklahoma City	OK	73154
Mewbourne Oil Company	P.O. Box 7698	Tyler	TX	75711
Mewbourne Development Corporation	P.O. Box 7698	Tyler	TX	75711
CWM 2000-B, Ltd.	P.O. Box 7698	Tyler	TX	75711
3MG Corporation	P.O. Box 7698	Tyler	TX	75711
Curtis W. Mewbourne, Trustee	P.O. Box 7698	Tyler	TX	75711
Lazy J Bar Cane, LLC	P.O. Box 3660	Roswell	NM	88202



Nixon Energy, LLC	P.O. Box 2222	Roswell	NM	88202
The State of New Mexico	3100 Old Santa Fe Trail	Santa Fe	NM	87501
The United States of America	301 Dinosaur Trl.	Santa Fe	NM	87508
Jalapeno Corporation	P.O. Box 1608	Albuquerque	NM	87103
Chief Capital (O&G) II, LLC	8111 Westchester Drive, Suite 900	Dallas	TX	75225
CP Energy Investments III, LLC	8235 Douglas Avenue, Suite 400	Dallas	TX	75225
Innoventions, Inc.	P.O. Box 40	Cedar Crest	NM	87008
Charmar, LLC	4815 Vista Del Oso Ct., NE	Albuquerque	NM	87109
Bane Bigbie and wife, Melanie Bigbie	P.O. Box 998	Ardmore	OK	73402
Mitchell Exploration, Inc.	6212 Homestead Blvd.	Midland	TX	79707
Tumbleweed Exploration, LLC	P.O. Box 50688	Midland	TX	79710
Critterville, LLC	P.O. Box 620	Wimberley	TX	78676
El Capitan Ventures, LLC	P.O. Box 700633	San Antonio	TX	79270
Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust (WI)	1018 Sunset Canyon Drive N.	Dripping Springs	TX	78620
Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust (WI)	P.O. Box 2625	Eagle Pass	TX	78853
COG Operating LLC	600 W. Illinois Ave.	Midland	TX	79705
EOG Resources, Inc.	5509 Champions Dr.	Midland	TX	79706
Oxy Y-1 Company	5 Greenway Plaza, Suite 110	Houston	TX	77227
Occidental Permian Limited Partnership	5 Greenway Plaza, Suite 110	Houston	TX	77227
Concho Oil & Gas LLC	600 W. Illinois Ave.	Midland	TX	79705
Foran Oil Company	5400 LBJ Freeway, STE 1500	Dallas	TX	75240
Pontem Energy Partners I, LP	9001 Airport Freeway, STE 825	North Richland Hills	TX	76180
Bane Bigbie Inc.	P.O. Box 998	Ardmore	OK	73402
PB Non-Op Drilling, LP c/o Whitefish Energy Partners, LP	25 Highland Park Village Suite 100-766	Dallas	TX	75205
Levi Oil & Gas, LLC	P.O. Box 568	Artesia	NM	88221
Barbe Development, LLC	121 W. Third Street	Roswell	NM	88201
Markel Investments, LLC	605 W. Country Club	Roswell	NM	88201
Panhandle Properties, LLC	P.O. Box 647	Artesia	NM	88211



**Paula M. Vance**  
**Associate**  
**Phone** (505) 988-4421  
**Fax** (505) 819-5579  
pmvance@hollandhart.com

April 18, 2024

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

**TO: ALL AFFECTED PARTIES**

**Re: Application of Matador Production Company to amend NMOCD Order CTB-1102 and for administrative approval to surface commingle (lease) oil and gas production from the spacing units comprising Sections 1 and 2, Township 21 South, Range 28 East, and Lots 3-6, 11-14, 17 & 18 and the E/2 SW/4 of Section 6, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Lands")**

Ladies and Gentlemen:

Enclosed is a copy of the above-referenced application, which was filed with the New Mexico Oil Conservation Division on this date. Any objection to this application must be filed in writing within twenty days from the date this application is received by the Division's Santa Fe office located at 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division.

If you have any questions about this application, please contact the following:

Kyle Perkins  
Matador Production Company  
(972) 371-5202  
KPerkins@matadorresources.com

Sincerely,

A handwritten signature in blue ink, appearing to read "Paula M. Vance", written over a horizontal line.

Paula M. Vance  
**ATTORNEY FOR MATADOR PRODUCTION  
COMPANY**

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722208	Regeneration Energy Corp.	PO Box 210	Artesia	NM	88211-0210	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722291	The Allar Company	PO Box 1567	Graham	TX	76450-7567	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722246	Premier Oil & Gas, Inc.	PO Box 837205	Richardson	TX	75083-7205	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722284	Dastarac Inc.	2308 Sierra Vista Rd	Artesia	NM	88210-9409	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722239	Raye Miller and wife, Mary Miller	2308 Sierra Vista Rd	Artesia	NM	88210-9409	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722277	Joel Miller and wife, Robin Miller	PO Box 357	Artesia	NM	88211-0357	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722819	William Miller	2306 Sierra Vista Rd	Artesia	NM	88210-9409	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722857	Innoventions, Inc.	PO Box 40	Cedar Crest	NM	87008-0040	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722864	Cibola Land Corporation	1429 Central Ave NW Ste 3	Albuquerque	NM	87104-1162	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722826	Kenneth Barbe, Jr.	121 W 3rd St	Roswell	NM	88201-4707	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722802	Stephen T. Mitchell	PO Box 2415	Midland	TX	79702-2415	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722895	Don Grady	PO Box 30801	Albuquerque	NM	87190-0801	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722840	Duane Brown	706 W Apache Dr	Yuma	CO	80759-1010	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722888	Bruce J. Pierce, Trustee of the Pierce Irrevocable Trust No. 2	6201 Uptown Blvd NE Ste 201	Albuquerque	NM	87110-4192	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722833	Southwest Petroleum Land Services, LLC	1901 W 4th St	Roswell	NM	88201-1745	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722871	Permian Basin Investment Corporation	500 N Kentucky Ave	Roswell	NM	88201-4721	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722758	Ronadero Company, Inc.	PO Box 746	Big Horn	WY	82833-0746	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722765	Natalie V. Hanagan	1922 18th Ave W	Williston	ND	58801-2553	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722727	Hutchings Oil Company	PO Box 1216	Albuquerque	NM	87103-1216	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722703	George L. Scott, III	PO Box 40	Cedar Crest	NM	87008-0040	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722796	Dan O'Neill and wife, Deborah O'Neill	PO Box 4831	Midland	TX	79704-4831	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722741	Sealy H. Cavin, Jr.	400 1st St NE Ste 610	Albuquerque	NM	87124-0706	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722734	Leonard Legacy Royalty, LLC	PO Box 3422	Midland	TX	79702-3422	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

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Postal Delivery Report

9402811898765401722772	LML Properties, LLC	PO Box 3194	Boulder	CO	80307-3194	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722918	Jacks Peak, LLC	PO Box 294928	Kerrville	TX	78029-4928	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722956	Schutz Abstract Company	PO Box 973	Santa Fe	NM	87504-0973	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722925	James B. ONeill, II, Trustee of the James A. ONeill Revocable Trust	PO Box 942	Fort Collins	CO	80522-0942	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722994	Charmar, LLC	4815 Vista Del Oso Ct NE	Albuquerque	NM	87109-2558	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722949	Bane Bigbie and wife, Melanie Bigbie	PO Box 998	Ardmore	OK	73402-0998	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722987	Mitchell Exploration, Inc.	6212 Homestead Blvd	Midland	TX	79707-5059	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722932	MCM Royalties, LLC	PO Box 1540	Midland	TX	79702-1540	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

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Postal Delivery Report

9402811898765401722970	Kevin K. Leonard, Trustee of the Kevin K. Leonard Childs Trust	PO Box 50688	Midland	TX	79710-0688	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722611	Molly M. Azopardi, Trustee of the Molly M. Azopardi Childs Trust	PO Box 620	Wimberley	TX	78676-0620	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722666	Shannon C. Leonard, Trustee of the Shannon C. Leonard Childs Trust	1018 Sunset Canyon Dr N	Dripping Springs	TX	78620-3955	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722628	Michael Kyle Leonard, Trustee of the the Michael Kyle Leonard Childs Trust	PO Box 2625	Eagle Pass	TX	78853-2625	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722604	Patrick Leonard, Trustee of the Patrick Leonard Childs Trust	PO Box 700633	San Antonio	TX	78270-0633	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722697	S. E. S. Investments, Ltd.	PO Box 10886	Midland	TX	79702-7886	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722642	First Southern Funding, LLC	PO Box 328	Stanford	KY	40484-0328	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722680	Voyage Energy, LP	PO Box 11232	Midland	TX	79702-8232	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.



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Postal Delivery Report

9402811898765401722635	Red River Holdings, LLC	PO Box 10886	Midland	TX	79702-7886	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722673	TMT Energy Resources, Inc.	5600 N May Ave Ste 320	Oklahoma City	OK	73112-4275	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722116	EM1 Energy, LLC	5600 N May Ave Ste 320	Oklahoma City	OK	73112-4275	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722161	Samuel George Jones	PO Box 10253	Midland	TX	79702-7253	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722123	Mongoose Minerals LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722109	EOG Resources, Inc.	1111 Bagby St Lbby 2	Houston	TX	77002-2589	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722192	Nestegg Energy Corporation	2308 Sierra Vista Rd	Artesia	NM	88210-9409	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722147	New Mexico Oil Corporation	PO Box 1714	Roswell	NM	88202-1714	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722185	Robert Kelly Leonard	PO Box 294928	Kerrville	TX	78029-4928	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722130	JTD Resources, LLC	PO Box 3422	Midland	TX	79702-3422	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722178	Regen Royalty Corp.	PO Box 210	Artesia	NM	88211-0210	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722314	Allar Development, LLC	PO Box 1567	Graham	TX	76450-7567	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722352	New Mexico Oil Corporation	PO Box 1714	Roswell	NM	88202-1714	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722369	Jalapeno Corporation	PO Box 1608	Albuquerque	NM	87103-1608	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722321	Elk Range Royalties, LP	2110 Farrington St	Dallas	TX	75207-6502	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722307	Rockwell Energy Resources, LLC	PO Box 54584	Oklahoma City	OK	73154-1584	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722390	Mewbourne Oil Company	PO Box 7698	Tyler	TX	75711-7698	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722383	Mewbourne Development Corporation	PO Box 7698	Tyler	TX	75711-7698	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722376	CWM 2000-B, Ltd.	PO Box 7698	Tyler	TX	75711-7698	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722055	3MG Corporation	PO Box 7698	Tyler	TX	75711-7698	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722024	Curtis W. Mewbourne, Trustee	PO Box 7698	Tyler	TX	75711-7698	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722093	Lazy J Bar Cane, LLC	PO Box 3660	Roswell	NM	88202-3660	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722086	Nixon Energy, LLC	PO Box 2222	Roswell	NM	88202-2222	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722079	The State of New Mexico	3100 Old Santa Fe Trail	Santa	NM	87501	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722413	The United States of America	301 Dinosaur Trl	Santa Fe	NM	87508-1560	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722451	Jalapeno Corporation	PO Box 1608	Albuquerque	NM	87103-1608	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722420	Chief Capital O&G II, LLC	8111 Westchester Dr Ste 900	Dallas	TX	75225-6146	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722406	CP Energy Investments III, LLC	8235 Douglas Ave Ste 400	Dallas	TX	75225-6004	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722499	Innoventions, Inc.	PO Box 40	Cedar Crest	NM	87008-0040	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722482	Charmar, LLC	4815 Vista Del Oso Ct NE	Albuquerque	NM	87109-2558	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722437	Bane Bigbie and wife, Melanie Bigbie	PO Box 998	Ardmore	OK	73402-0998	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722475	Mitchell Exploration, Inc.	6212 Homestead Blvd	Midland	TX	79707-5059	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722512	Tumbleweed Exploration, LLC	PO Box 50688	Midland	TX	79710-0688	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722550	Critterville, LLC	PO Box 620	Wimberley	TX	78676-0620	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722567	El Capitan Ventures, LLC	PO Box 700633	San Antonio	TX	78270-0633	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722529	Shannon C. Leonard, Trustee of the Shannon C. Leonard Childs Trust WI	1018 Sunset Canyon Dr N	Dripping Springs	TX	78620-3955	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722598	Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Childs Trust WI	PO Box 2625	Eagle Pass	TX	78853-2625	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722543	COG Operating LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722581	EOG Resources, Inc.	5509 Champions Dr	Midland	TX	79706-2843	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401722536	Oxy Y-1 Company	5 Greenway Plz Ste 110	Houston	TX	77046-0521	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401722574	Occidental Permian Limited Partnership	5 Greenway Plz Ste 110	Houston	TX	77046-0521	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720211	Concho Oil & Gas LLC	600 W Illinois Ave	Midland	TX	79701-4882	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720259	Foran Oil Company	5400 Lbj Fwy Ste 1500	Dallas	TX	75240-1017	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720228	Pontem Energy Partners I, LP	9001 Airport Fwy Ste 825	North Richland Hills	TX	76180-7795	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720297	Bane Bigbie Inc.	PO Box 998	Ardmore	OK	73402-0998	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720242	PB Non-Op Drilling, LP c/o Whitefish Energy Partners, LP	25 Highland Park Vlg Ste 100-766	Dallas	TX	75205-2789	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720280	Levi Oil & Gas, LLC	PO Box 568	Artesia	NM	88211-0568	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720235	Barbe Development, LLC	121 W 3rd St	Roswell	NM	88201-4707	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

MRC - Simon Camamile PLC Commingling  
Postal Delivery Report

9402811898765401720273	Markel Investments, LLC	605 W Country Club Rd	Roswell	NM	88201-5211	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.
9402811898765401720853	Panhandle Properties, LLC	PO Box 647	Artesia	NM	88211-0647	Your shipment was received at 3:32 pm on April 18, 2024 in DENVER, CO 80217. The acceptance of your package is pending.

**From:** [McClure, Dean, EMNRD](#) on behalf of [Engineer, OCD, EMNRD](#)  
**To:** [Paula M. Vance](#)  
**Cc:** [McClure, Dean, EMNRD](#); [Rikala, Ward, EMNRD](#); [Wrinkle, Justin, EMNRD](#); [Powell, Brandon, EMNRD](#); [Paradis, Kyle O](#); [Walls, Christopher](#); [Lamkin, Baylen L](#)  
**Subject:** Approved Administrative Order PLC-935  
**Date:** Friday, June 28, 2024 4:06:03 PM  
**Attachments:** [PLC935 Order.pdf](#)

NMOCD has issued Administrative Order PLC-935 which authorizes Matador Production Company (228937) to surface commingle or off-lease measure, as applicable, the following wells:

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-015-53728	Simon Camamile 0206 Federal Com #205H	N/2 S/2	1-21S-28E	98315
		N/2 S/2	2-21S-28E	
		N/2 SW/4	6-21S-29E	
30-015-53729	Simon Camamile 0206 Federal Com #206H	S/2 S/2	1-21S-28E	98315
		S/2 S/2	2-21S-28E	
		S/2 SW/4	6-21S-29E	
30-015-54098	Simon Camamile 0206 Federal Com #201H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54099	Simon Camamile 0206 Federal Com #202H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54303	Simon Camamile 0206 Federal Com #203H	9 10 11 12	1-21S-28E	98315
		13 14 15 16		
		9 10 11 12	2-21S-28E	
		13 14 15 16		
30-015-54366	Simon Camamile 0206 Federal Com #204H	11 12 13 14	6-21S-29E	98315
		9 10 11 12	1-21S-28E	
		13 14 15 16		
		9 10 11 12	2-21S-28E	
30-015-54312	Simon Camamile 0206 Federal Com #125H	13 14 15 16		97995
		11 12 13 14	6-21S-29E	
		N/2 S/2	1-21S-28E	
30-015-53730	Simon Camamile 0206 Federal Com #126H	N/2 S/2	2-21S-28E	97995
		N/2 SW/4	6-21S-29E	
		S/2 S/2	1-21S-28E	
		S/2 S/2	2-21S-28E	
		S/2 SW/4	6-21S-29E	

The administrative order is attached to this email and can also be found online at OCD Imaging.

Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.

Dean McClure  
 Petroleum Engineer, Oil Conservation Division



New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211



PO Box 631667 Cincinnati, OH 45263-1667

**AFFIDAVIT OF PUBLICATION**

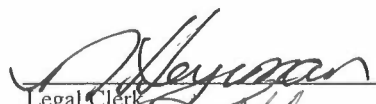
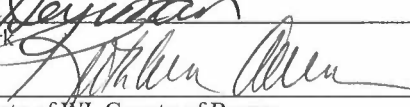
Joe Stark  
Holland And Hart  
110 N Guadalupe ST # 1  
Santa Fe NM 87501-1849

STATE OF WISCONSIN, COUNTY OF BROWN

The Carlsbad Current Argus, a newspaper published in the city of Carlsbad, Eddy County, State of New Mexico, and personal knowledge of the facts herein state and that the notice hereto annexed was Published in said newspapers in the issue:

04/19/2024

and that the fees charged are legal.  
Sworn to and subscribed before on 04/19/2024

  
Legal Clerk  
  
Notary, State of WI, County of Brown  
1-2-25

My commission expires

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KATHLEEN ALLEN  
Notary Public  
State of Wisconsin

## Legal Notice (Publication)

To: All affected parties, including: Regeneration Energy Corp.; The Allar Company; Premier Oil & Gas, Inc.; Dastarac Inc.; Raye Miller and wife, Mary Miller, their heirs and devisees; Joel Miller and wife, Robin Miller, their heirs and devisees; William Miller, his heirs and devisees; Innoventions, Inc.; Cibola Land Corporation; Kenneth Barbe, Jr., his heirs and devisees; Stephen T. Mitchell, his heirs and devisees; Don Grady, his heirs and devisees; Duane Brown, his heirs and devisees; Bruce J. Pierce, Trustee of the Pierce Irrevocable Trust No. 2; Southwest Petroleum Land Services, LLC; Permian Basin Investment Corporation; Ronadero Company, Inc.; Natalie V. Hanagan, her heirs and devisees; Hutchings Oil Company; George L. Scott, III, his heirs and devisees; Dan O'Neill and wife, Deborah O'Neill, their heirs and devisees; Sealy H. Cavin, Jr., his or her heirs and devisees; Leonard Legacy Royalty, LLC; LML Properties, LLC; Jack's Peak, LLC; Schutz Abstract Company; James B. O'Neill, II, Trustee of the James A. O'Neill Revocable Trust; Hammersmith Realty, Inc.; Charmar, LLC; Bane Bigbie and wife, Melanie Bigbie, their heirs and devisees; Mitchell Exploration, Inc.; MCM Royalties, LLC; Kevin K. Leonard, Trustee of the Kevin K. Leonard Child's Trust; Molly M. Azopardi, Trustee of the Molly M. Azopardi Child's Trust; Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust; Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust; Patrick Leonard, Trustee of the Patrick Leonard Child's Trust; S. E. Investments, Ltd.; First Southern Funding, LLC; Voyage Energy, LP; Red River Holdings, LLC; TMT Energy Resources, Inc.; EM1 Energy, LLC; Samuel George Jones, his heirs and devisees; Mongoose Minerals LLC; EOG Resources, Inc.; Nestegg Energy Corporation; New Mexico Oil Corporation; Robert Kelly Leonard, his heirs and devisees; JTD Resources, LLC; Regen Royalty Corp.; Allar Development, LLC; New Mexico Oil Corporation; Jalapeno Corporation; Elk Range Royalties, LP; Rockwell Energy Resources, LLC; Mewbourne Oil Company; Mewbourne Development Corporation; CWM 2000-B, Ltd.; 3MG Corporation; Curtis W. Mewbourne, Trustee, his heirs and devisees; Lazy J Bar Cane, LLC; Nixon Energy, LLC; The State of New Mexico; The Bureau of Land Management; Chief Capital (O&G) II, LLC; CP Energy Investments III, LLC; Innoventions, Inc.; Charmar, LLC; Mitchell Exploration, Inc.; Tumbleweed Exploration, LLC; Critterville, LLC; El Capitan Ventures, LLC; Shannon C. Leonard, Trustee of the Shannon C. Leonard Child's Trust (WI); Michael Kyle Leonard, Trustee of the Michael Kyle Leonard Child's Trust (WI); COG Operating, LLC; EOG Resources, Inc.; Oxy Y-1 Company; Occidental Permian Limited Partnership; Concho Oil & Gas LLC; Foran Oil Company; Pntem Energy Partners I, LP; Bane Bigbie Inc.; PB Non-Op Drilling, LP c/o Whitefish Energy Partners, LP; Levi Oil & Gas, LLC; Barbe Development, LLC; Markel Investments, LLC; and Panhandle Properties, LLC.

Application of Matador Production Company to amend NMOC Order CTB-1102 and for administrative approval to surface commingle (lease) oil and gas production from the spacing units comprising Sections 1 and 2, Township 21 South, Range 28 East, and Lots 3-6, 11-14, 17 & 18 and the E/2 SW/4 of Section 6, Township 21 South, Range 29 East, NMPM, Eddy County, New Mexico (the "Lands"). Matador Production Company (OGRID No. 228937) ("Matador") seeks to amend Administrative Order CTB-1102 ("Order CTB-1102"). Order CTB-1102 authorizes lease commingling, off-lease storage, off-lease measurement, and off-

lease marketing at the Simon Camamile South Tank Battery of production from all existing and future wells drilled in the following spacing units:

(a) The 390.36-acre spacing unit comprised of the N/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 17 and the NE/4 SW/4 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] - currently dedicated to the Simon Camamile 0206 Fed Com #205H (API. No. 30-015-53728);

(b) The 390.32-acre spacing unit comprised of the S/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 18 and the SE/4 SW/4 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] - currently dedicated to the Simon Camamile 0206 Fed Com #206H (API. No. 30-015-53729); and

(c) Pursuant to 19.15.12.10.C(4)(g), future leases, pools, or leases and pools connected to the Simon Camamile South Tank Battery (located in the NW/4 SW/4 (Unit L) of Section 2, Township 21 South, Range 28 East) with notice provided only to the owners of interests to be added.

Pursuant to 19.15.12.7 NMAC, Matador seeks to amend the terms of Order CTB-1102 to

add to the terms of the order the production from all existing and future infill wells drilled in the following spacing unit:

(a) The 670.38-acre spacing unit comprised of Lots 1-8 of Sections 1 and 2,

T21S-R28E, and Lots 3-6 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] - currently dedicated to the Simon Camamile 0206 Fed Com #201 (API. No. 30-015-54098) and Simon Camamile 0206 Fed Com #202 (API. No. 30-015-54099); and

(b) The 780.84-acre spacing unit comprised of Lots 9-16 of Sections 1 and 2, T21S-R28E, and Lots 11-14 of Section 6, T21S-R29E, in the WC Burton Flat Upper Wolfcamp East (oil) [98315] - currently dedicated to the Simon Camamile 0206 Fed Com #203 (API. No. 30-015-54303) and Simon Camamile 0206 Fed Com #204 (API. No. 30-015-54366);

(c) The 390.36-acre spacing unit comprised of the N/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 17 and the NE/4 SW/4 of Section 6, T21S-R29E, in the WC-015 G-05 S202935P; Bone Spring [97995] - currently dedicated to the Simon Camamile 0206 Fed Com #125H (API. No. 30-015-PENDING); and

(d) The 390.32-acre spacing unit comprised of the S/2 S/2 of Sections 1 and 2, T21S-R28E, and Lot 18 and the SE/4 SW/4 of Section 6, T21S-R29E, in the WC-015 G-05 S202935P; Bone Spring [97995] - currently dedicated to the Simon Camamile 0206 Fed Com #126H (API. No. 30-015-PENDING).

Any objection to this application must be filed in writing within twenty days from date of publication with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa

Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division. If you have any questions about this application, please contact Kyle Perkins, Matador Production Company, (972) 371-5202 or KPerkins@matadorresources.com.

April 19, 2024 # 10085607

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**IN THE MATTER OF APPLICATION FOR  
COMPULSORY POOLING AND APPROVAL  
OF NON-STANDARD SPACING UNIT  
SUBMITTED BY MATADOR PRODUCTION COMPANY**

**CASE NO. 22990  
ORDER NO. R-22650**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having heard this matter through a Hearing Examiner on February 16, 2023, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

**FINDINGS OF FACT**

1. Matador Production Company (“Operator”) submitted an application (“Application”) to compulsory pool the uncommitted oil and gas interests within the spacing unit (“Unit”) described in Exhibit A.
2. The Application also seeks approval of a Non-Standard horizontal spacing unit for production from all Division-designated pools underlying the Unit.
3. Operator seeks to be designated the operator of the Unit.
4. Operator will dedicate the well(s) described in Exhibit A (“Well(s)”) to the Unit.
5. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.
6. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.
7. Operator identified the owners of interest in the offset oil and gas minerals from the Unit and provided evidence that notice was given.
8. The Application was heard by the Hearing Examiner on the date specified above, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

**CONCLUSIONS OF LAW**

9. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
10. Operator is the owner of an oil and gas working interest within the Unit.

11. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
12. Operator has met the notice requirements for approval of non-standard horizontal spacing units in accordance with 19.15.16.15(B)(5) NMAC.
13. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.
14. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.
15. OCD's rules allow the approval of a non-standard horizontal spacing unit, after notice and opportunity for hearing, "if necessary to prevent waste or protect correlative rights" 19.15.16.15(B)(5)(a) NMAC.
16. While the OCD is authorized to approve a non-standard spacing unit, Rutter & Wilbanks Corp. v. Oil Conservation Comm'n, 1975-NMSC-006, OCD lacks the authority to approve unitization and will disapprove an application if it determines that it is actually unitization. Order R-13554 (May 18, 2012) (disapproving application for a non-standard spacing unit consisting of 16 standard spacing units).
17. Approval of the Non-Standard Spacing Unit promotes effective well spacing and allows the Operator to therefore prevent waste and protect correlative rights.
18. The Unit contains separately owned uncommitted interests in oil and gas minerals.
19. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit.
20. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.
21. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

### **ORDER**

22. The Unit is approved as a non-standard horizontal spacing unit.
23. Operator shall file Forms C-102 reflecting the correct acreage dedicated for each of the Wells.
24. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.
25. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.

CASE NO. 22990  
ORDER NO. R-22650

Page 2 of 8

26. Operator is designated as operator of the Unit and the Well(s).
27. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.
28. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.
29. This Order shall terminate automatically if Operator fails to comply with Paragraph 28 unless Operator obtains an extension by amending this Order for good cause shown.
30. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.
31. Operator shall submit each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").
32. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who fails to pay its share of the Estimated Well Costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."
33. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.
34. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the

Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.

35. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."
36. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.
37. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.
38. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.
39. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 38 to each Pooled Working Interest that paid its share of the Estimated Well Costs.
40. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.
41. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.



42. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*
43. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.
44. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**

  
\_\_\_\_\_  
**DYLAN M FUGE**  
**DIRECTOR (ACTING)**  
DMF/hat

Date: 4/20/23

CASE NO. 22990  
ORDER NO. R-22650

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## Exhibit A

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<b>COMPULSORY POOLING APPLICATION CHECKLIST</b>	
<b>ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS</b>	
<b>Case: 22990</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date</b>	February 16, 2023
Applicant	Matador Production Company
Designated Operator & OGRID (affiliation if applicable)	Matador Production Company, OGRID 228937
Applicant's Counsel:	Holland & Hart LLP
Case Title:	Application of Matador Production Company for Approval of a Non-Standard Spacing Unit and Compulsory Pooling, Eddy County, New Mexico.
Entries of Appearance/Intervenors:	Mewbourne Oil Company, COG Operating LLC and Concho Oil & Gas Operating LLC, and EOG Resources, Inc.
Well Family	Simon Camamile 0206 Fed Com
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	WC21S27E3; Upper Wolfcamp (98352)
Well Location Setback Rules:	Statewide oil rules
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	670.38
Building Blocks:	40 acres
Orientation:	West-East
Description: TRS/County	Lots 1-8 (N2N2 equivalent) of irregular Sections 1 and 2, Township 21 South, Range 28 East, and Lots 3-6 (N2NW4 equivalent) of irregular Section 6, Township 21 South, Range 29 East, NMPM, Eddy County.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No. Approval of the above described non-standard spacing unit is requested.
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	See Exhibit C-4
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	

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ORDER NO. R-22650

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Well #1	Simon Camamile 0206 Fed Com 201H SHL: 1712' FNL & 689' FWL (Lot 5) of Section 2 BHL: 451' FNL & 2267' FWL (Lot 3) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Well #2	Simon Camamile 0206 Fed Com 202H SHL: 1734' FNL & 708' FWL (Lot 5) of Section 2 BHL: 1771' FNL & 2270' FWL (Lot 6) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Well #3	Simon Camamile 0206 Fed Com 222H SHL: 1754' FNL & 686' FWL (Lot 5) of Section 2 BHL: 1111' FNL & 2268' FWL (Lot 3) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-5
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	See filed Application
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit F
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit C-4
Tract List (including lease numbers and owners)	Exhibits C-4
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit C-7
Pooled Parties (including ownership type)	Exhibit C-4
Unlocatable Parties to be Pooled	Not Applicable
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit C-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-4
Chronology of Contact with Non-Joined Working Interests	Exhibit C-6
Revised Proposal Letter	Exhibit C-5

CASE NO. 22990  
ORDER NO. R-22650

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Cost Estimate to Drill and Complete	Exhibit C-5
Cost Estimate to Equip Well	Exhibit C-5
Cost Estimate for Production Facilities	Exhibit C-5
<b>Geology</b>	
Summary (including special considerations)	Exhibit D
Spacing Unit Schematic	Exhibit C-3
Gunbarrel/Lateral Trajectory Schematic	Exhibits C-3 and D-2
Well Orientation (with rationale)	Exhibit D
Target Formation	Exhibits D; D-3
HSU Cross Section	Exhibit D-3
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4
General Location Map (including basin)	Exhibit D-1
Well Bore Location Map	Exhibits C-1, D-2
Structure Contour Map - Subsea Depth	Exhibit D-2
Cross Section Location Map (including wells)	Exhibit D-2
Cross Section (including Landing Zone)	Exhibit D-3
<b>Additional Information</b>	
Special Provisions/Stipulations	N/A
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	Michael H. Feldewert
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	14-Feb-23

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CASE NO. 22990  
ORDER NO. R-22650

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**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**IN THE MATTER OF APPLICATION FOR  
COMPULSORY POOLING AND APPROVAL  
OF NON-STANDARD SPACING UNIT  
SUBMITTED BY MATADOR PRODUCTION COMPANY**

**CASE NO. 22992  
ORDER NO. R-22654**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having heard this matter through a Hearing Examiner on February 16, 2023, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

**FINDINGS OF FACT**

1. Matador Production Company (“Operator”) submitted an application (“Application”) to compulsory pool the uncommitted oil and gas interests within the spacing unit (“Unit”) described in Exhibit A.
2. The Application also seeks approval of a Non-Standard horizontal spacing unit for production from all Division-designated pools underlying the Unit.
3. Operator seeks to be designated the operator of the Unit.
4. Operator will dedicate the well(s) described in Exhibit A (“Well(s)”) to the Unit.
5. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.
6. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.
7. Operator identified the owners of interest in the offset oil and gas minerals from the Unit and provided evidence that notice was given.
8. The Application was heard by the Hearing Examiner on the date specified above, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

**CONCLUSIONS OF LAW**

9. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.
10. Operator is the owner of an oil and gas working interest within the Unit.

11. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.
12. Operator has met the notice requirements for approval of non-standard horizontal spacing units in accordance with 19.15.16.15(B)(5) NMAC.
13. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.
14. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.
15. OCD's rules allow the approval of a non-standard horizontal spacing unit, after notice and opportunity for hearing, "if necessary to prevent waste or protect correlative rights" 19.15.16.15(B)(5)(a) NMAC.
16. While the OCD is authorized to approve a non-standard spacing unit, Rutter & Wilbanks Corp. v. Oil Conservation Comm'n, 1975-NMSC-006, OCD lacks the authority to approve unitization and will disapprove an application if it determines that it is actually unitization. Order R-13554 (May 18, 2012) (disapproving application for a non-standard spacing unit consisting of 16 standard spacing units).
17. Approval of the Non-Standard Spacing Unit promotes effective well spacing and allows the Operator to therefore prevent waste and protect correlative rights.
18. The Unit contains separately owned uncommitted interests in oil and gas minerals.
19. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit.
20. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.
21. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

### **ORDER**

22. The Unit is approved as a non-standard horizontal spacing unit.
23. Operator shall file Forms C-102 reflecting the correct acreage dedicated for each of the Wells.
24. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.
25. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.

CASE NO. 22992  
ORDER NO. R-22654

Page 2 of 8

26. Operator is designated as operator of the Unit and the Well(s).
27. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.
28. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.
29. This Order shall terminate automatically if Operator fails to comply with Paragraph 28 unless Operator obtains an extension by amending this Order for good cause shown.
30. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.
31. Operator shall submit each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").
32. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who fails to pay its share of the Estimated Well Costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."
33. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.
34. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the



Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.

35. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."
36. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.
37. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.
38. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.
39. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 38 to each Pooled Working Interest that paid its share of the Estimated Well Costs.
40. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.
41. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.

42. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*
43. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.
44. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**



**DYLAN M. FUDGE**  
**DIRECTOR (ACTING)**  
DMF/hat

Date: 4/30/2023



## Exhibit A

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<b>COMPULSORY POOLING APPLICATION CHECKLIST</b>	
<b>ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS</b>	
<b>Case: 22992</b>	<b>APPLICANT'S RESPONSE</b>
<b>Date</b>	<b>February 16, 2023</b>
Applicant	Matador Production Company
Designated Operator & OGRID (affiliation if applicable)	Matador Production Company, OGRID 228937
Applicant's Counsel:	Holland & Hart LLP
Case Title:	Application of Matador Production Company for Approval of a Non-Standard Spacing Unit and Compulsory Pooling, Eddy County, New Mexico.
Entries of Appearance/Intervenors:	Mewbourne Oil Company, COG Operating LLC and Concho Oil & Gas Operating LLC, and EOG Resources, Inc.
Well Family	Simon Camamile 0206 Fed Com
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent:	Wolfcamp
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	N/A
Pool Name and Pool Code:	WC21S27E3; Upper Wolfcamp (98352)
Well Location Setback Rules:	Statewide oil rules
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	780.84
Building Blocks:	40 acres
Orientation:	West-East
Description: TRS/County	Lots 9-16 (S2S2 equivalent) of irregular Sections 1 and 2, T21S, R28E, and Lots 11-14 (S2NW4 equivalent) of irregular Section 6, T21S, R29E, NMPM, Eddy County.
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No. Approval of the above described non-standard spacing unit is requested.
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	See Exhibit C-4
<b>Well(s)</b>	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	

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Well #1	Simon Camamile 0206 Fed Com 203H SHL: 3531' FSL & 170' FWL (Lot 13) of Section 2 BHL: 3091' FNL & 2272' FWL (Lot 11) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Well #2	Simon Camamile 0206 Fed Com 204H SHL: 3531' FSL & 200' FWL (Lot 13) of Section 2 BHL: 3369' FSL & 2274' FWL (Lot 14) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Well #3	Simon Camamile 0206 Fed Com 224H SHL: 3501' FSL & 200' FWL (Lot 13) of Section 2 BHL: 3751' FNL & 2273' FWL (Lot 11) of Section 6 Target: Wolfcamp Orientation: West-East Completion: Standard Location
Horizontal Well First and Last Take Points	Exhibit C-1
Completion Target (Formation, TVD and MD)	Exhibit C-5
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	See filed Application
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit E
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit F
<b>Ownership Determination</b>	
Land Ownership Schematic of the Spacing Unit	Exhibit C-4
Tract List (including lease numbers and owners)	Exhibits C-4
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit C-7
Pooled Parties (including ownership type)	Exhibit C-4
Unlocatable Parties to be Pooled	Not Applicable
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
Sample Copy of Proposal Letter	Exhibit C-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit C-4
Chronology of Contact with Non-Joined Working Interests	Exhibit C-6
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Cost Estimate to Drill and Complete	Exhibit C-5
Cost Estimate to Equip Well	Exhibit C-5
Cost Estimate for Production Facilities	Exhibit C-5
<b>Geology</b>	
Summary (including special considerations)	Exhibit D
Spacing Unit Schematic	Exhibit C-3
Gunbarrel/Lateral Trajectory Schematic	Exhibits C-3 and D-2
Well Orientation (with rationale)	Exhibit D
Target Formation	Exhibits D; D-3
HSU Cross Section	Exhibit D-3
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
C-102	Exhibit C-1
Tracts	Exhibit C-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit C-4
General Location Map (including basin)	Exhibit D-1
Well Bore Location Map	Exhibits C-1, D-2
Structure Contour Map - Subsea Depth	Exhibit D-2
Cross Section Location Map (including wells)	Exhibit D-2
Cross Section (including Landing Zone)	Exhibit D-3
<b>Additional Information</b>	
Special Provisions/Stipulations	N/A
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	Michael H. Feldewert
<b>Signed Name</b> (Attorney or Party Representative):	
<b>Date:</b>	14-Feb-23

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Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

**SUBMIT IN TRIPLICATE** - Other instructions on page 2

1. Type of Well	
<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator	
3a. Address	3b. Phone No. (include area code)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title	
Signature	Date	

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SWSW / 1250 FSL / 755 FWL / TWSP: 21S / RANGE: 28E / SECTION: 02 / LAT: 32.505484 / LONG: -104.0633202 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSW / 1099 FSL / 0 FWL / TWSP: 21S / RANGE: 28E / SECTION: 01 / LAT: 32.5050673 / LONG: -104.0486256 ( TVD: 10048 feet, MD: 14900 feet )

PPP: LOT 17 / 1105 FSL / 0 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.505046 / LONG: -104.031422 ( TVD: 10165 feet, MD: 20362 feet )

BHL: NESW / 1389 FSL / 2268 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.5050362 / LONG: -104.0240654 ( TVD: 10169 feet, MD: 22590 feet )

CONFIDENTIAL

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	MATADOR PRODUCTION COMPANY
WELL NAME & NO.:	SIMON CAMAMILE 0206 FED COM 126H
APD ID:	10400083208
SURFACE HOLE FOOTAGE:	1250'/S & 755'/W
BOTTOM HOLE FOOTAGE:	729'/S & 2265'/W
SURFACE LOCATION:	Section 2, T.21 S., R.28 E.
COUNTY:	Eddy County, New Mexico

COA

H <sub>2</sub> S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input type="radio"/> Low	<input type="radio"/> Medium	<input checked="" type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input type="radio"/> Multibowl	<input type="radio"/> Both
Wellhead Variance	<input checked="" type="radio"/> Diverter		
Other	<input checked="" type="checkbox"/> 4 String	<input checked="" type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input type="checkbox"/> Fluid Filled	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Open Annulus
Other Variance	<input checked="" type="checkbox"/> Break Testing	<input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Casing Clearance
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit

**SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.**

### A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H<sub>2</sub>S) Drilling Plan shall be activated **AT SPUD**. As a result, the Hydrogen Sulfide area must meet **title 43 CFR 3176** requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

### B. CASING DESIGN

1. The **20** inch surface casing shall be set at approximately **665 ft.** (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface. **If Salt is encountered, set casing at least 25 ft. above the Salt.**
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after



- completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi 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 psi compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **13-3/8** inch 1<sup>st</sup> intermediate casing shall be set at approximately **1,650** feet. The minimum required fill of cement behind the **13-3/8** inch intermediate casing is:

**Option 1 (Single Stage): Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **cave/karst and Capitan Reef**.

**Option 2 (Two-stage):** 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 Capitan reef**.

**Note:** Excess cement volume is below the CFO's recommendation. More cement might be needed.

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

#### ❖ **Special Capitan Reef requirements:**

- Estimated **Capitan reef top** for the proposed well is approximately at **1,710 ft**. Use freshwater mud to protect the Capitan Reef formation.
- If circulation loss (50% or greater) occurs while drilling Capitan reef, daily drilling reports from the drill out the 1<sup>st</sup> intermediate casing shoe to the setting of the 2<sup>nd</sup> intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is



to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

3. The **9-5/8** inch 2<sup>nd</sup> intermediate casing shall be set at approximately **3,992** ft. (3,959 ft. TVD). The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

**Option 1 (Single Stage): Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **cave/karst and Capitan reef**.

**Option 2 (Two-stage):** 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.

- c. 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.
- d. 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 and Capitan reef**.

**Note:** Excess cement volume is below the CFO's recommendation. More cement might be needed.

4. Operator has proposed to set 5-1/2" production casing at approximately **21,213** ft. (8,575 ft. TVD). The minimum required fill of cement behind the **5-1/2 in.** production casing is:
  - Cement should tie-back **at least 50 feet** above the Capitan reef top. Operator shall provide method of verification.

## 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 to use a 13-3/8" SOW multi-bowl wellhead assembly on the 1<sup>st</sup> intermediate string after cutting off 20" SOW wellhead. The assembly will be tested once installed. Minimum working pressure of the BOP/BOPE required for drilling below the surface casing shall be **2000 (2M)** psi. A Diverter system along with a 2000

(2M) psi annular preventer is approved to be used when drilling the 17.5-inch hole. Before drilling out the surface casing shoe, annular preventer shall be tested in accordance with **title 43 CFR 3172** and **API Standard 53**.

Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 1<sup>st</sup> intermediate casing shoe shall be **5000 (5M) psi**. Before drilling out the 1<sup>st</sup> intermediate casing shoe, the BOP/BOPE and annular preventer shall be pressure-tested in accordance with **title 43 CFR 3172** and **API Standard 53**.

- 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 43 CFR 3172.6(b)(9) must be followed.

**BOPE Break Testing Variance (Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system))**

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. (**Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP**)
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (**575-706-2779**) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (**575-361-2822 Eddy County**) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per title 43 CFR 3172.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

## **Offline Cementing**

Offline cementing variance is approved for surface and intermediate casings only. Contact the BLM prior to the commencement of any offline cementing procedure.

### **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

**EMAIL** or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

**[BLM\\_NM\\_CFO\\_DrillingNotifications@BLM.GOV](mailto:BLM_NM_CFO_DrillingNotifications@BLM.GOV)**  
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981

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 2<sup>nd</sup> 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 **title 43 CFR 3172**
    - 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 the **title 43 CFR 3172** and **API STD 53 Sec. 5.3**.
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 the **title 43 CFR 3172.6(b)(9)** 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 cement), 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 cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
    - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester

to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** 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 **43 CFR 3172**.

### **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.

**SA 04/10/2024**



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

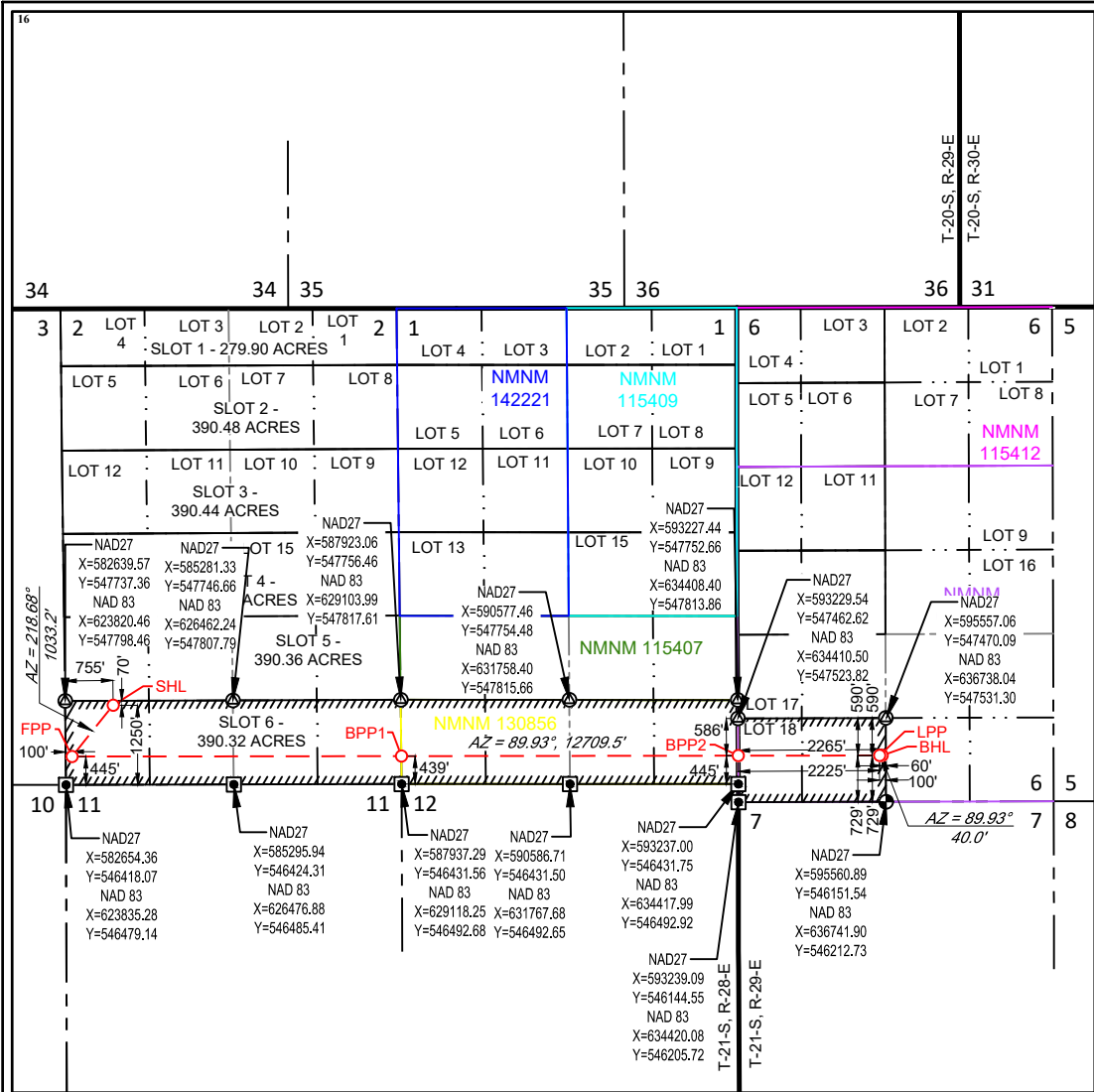
<sup>1</sup> API Number 30-025-	<sup>2</sup> Pool Code 97995	<sup>3</sup> Pool Name WC-015 G-05 S202935P; BONE SPRING
<sup>4</sup> Property Code	<sup>5</sup> Property Name SIMON CAMAMILE 0206 FED COM	<sup>6</sup> Well Number 126H
<sup>7</sup> OGRID No. 7377	<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY	<sup>9</sup> Elevation 3347'

<sup>10</sup> Surface Location									
UL or lot no. M	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 1250'	North/South line SOUTH	Feet from the 755'	East/West line WEST	County EDDY

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 729'	North/South line SOUTH	Feet from the 2265'	East/West line WEST	County EDDY

<sup>12</sup> Dedicated Acres 390.32	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

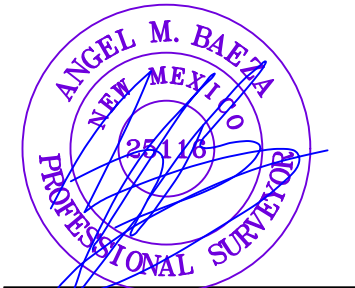


<sup>17</sup>OPERATOR  
CERTIFICATION  
*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Cassie Hahn 4/10/24  
Signature Date  
Cassie Hahn  
Printed Name  
chahn@matadorresources.com  
E-mail Address

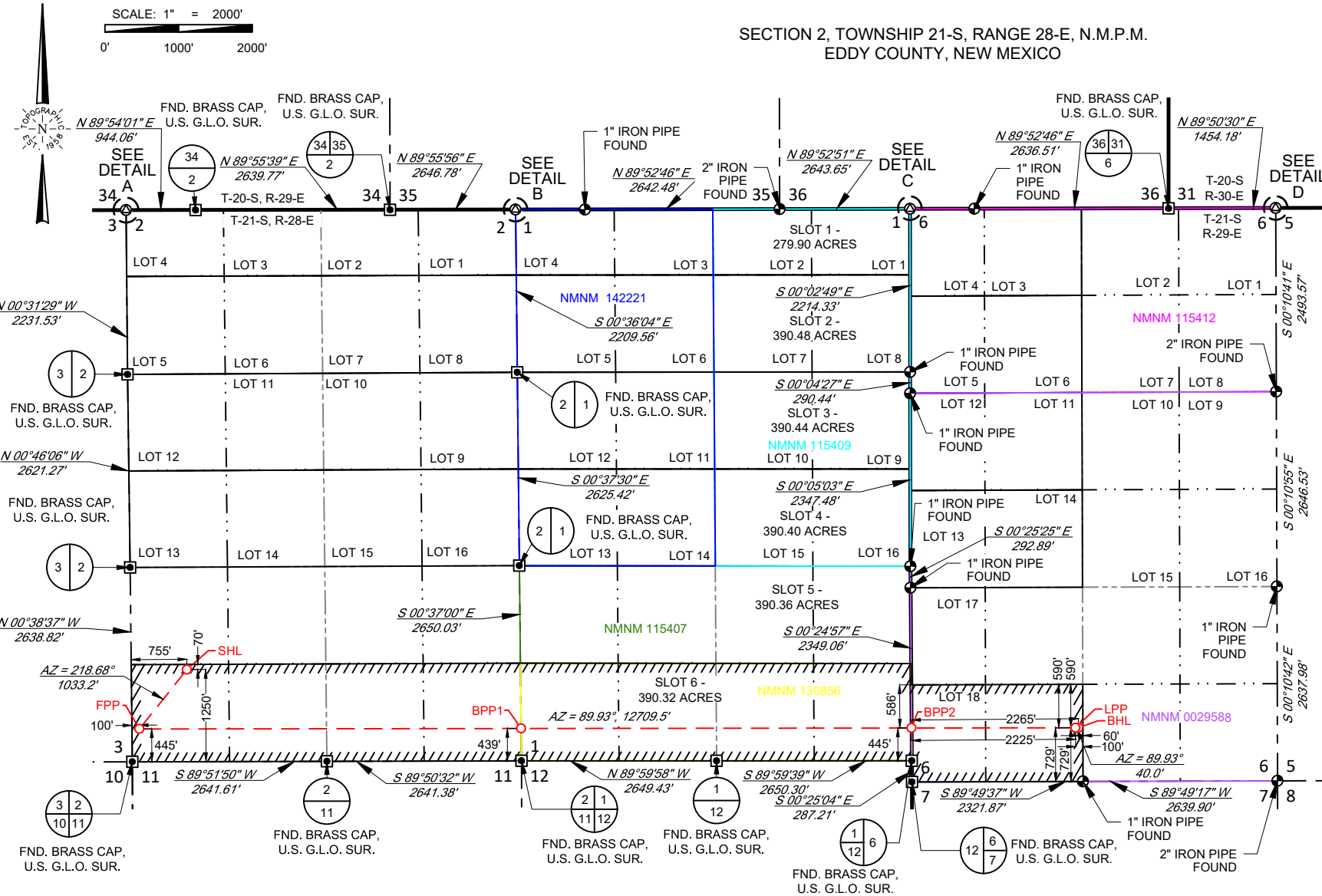
<sup>18</sup>SURVEYOR  
CERTIFICATION  
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.*

07/29/2021  
Date of Survey  
Signature and Seal of Professional Surveyor



Certificate Number  
NEW MEXICO EAST  
NAD 1927

<u>SURFACE LOCATION (SHL)</u> X=583395 Y=547670 LAT.: N 32.503642 LONG.: W 104.0628184	<u>FIRST PERFORATION POINT (FPP)</u> X=582749 Y=546864 LAT.: N 32.5031522 LONG.: W 104.0649197
<u>BLM PERF. POINT (BPP1)</u> X=587933 Y=546870 LAT.: N 32.5031334 LONG.: W 104.0481070	<u>BLM PERF. POINT (BPP2)</u> X=595499 Y=546880 LAT.: N 32.5031021 LONG.: W 104.0235648
<u>LAST PERFORATION POINT (LPP)</u> X=595459 Y=546880 LAT.: N 32.5031023 LONG.: W 104.0236946	<u>BOTTOM HOLE LOCATION (BHL)</u> X=595499 Y=546880 LAT.: N 32.5031021 LONG.: W 104.0235648



LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 116H

SECTION 2 TWP 21-S RGE 28-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 1250' FSL & 835' FWL

DISTANCE & DIRECTION

FROM INT. OF HWY-285, & US-180 E/US-62 E HEAD EAST ON US-180

E/US-62 E ±11.9 MILES, THENCE SOUTH (RIGHT) ON A LEASE RD.

±0.7 MILES, THENCE SOUTHWEST (RIGHT) ON A PROPOSED RD.

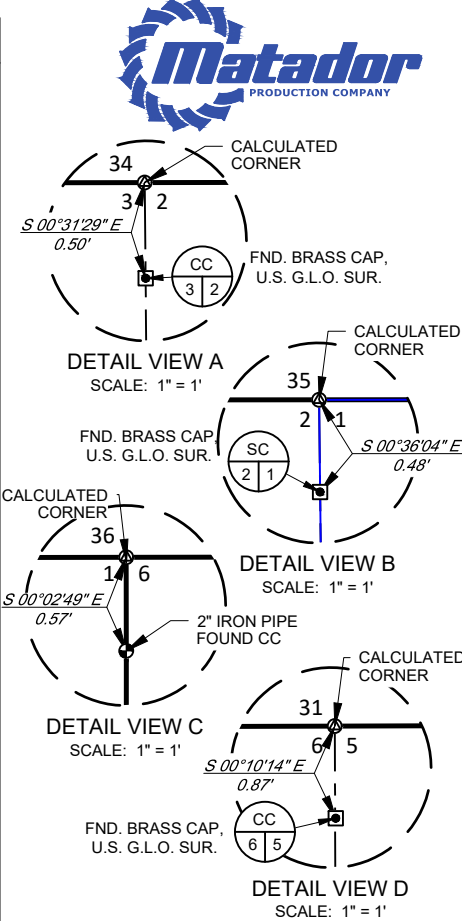
±85 FEET TO A POINT ±479 FEET NORTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

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

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

NEW MEXICO EAST NAD 1983
SURFACE LOCATION (SHL)
1250' FSL - SEC. 2
755' FWL - SEC. 2
X=624576 Y=547731
LAT.: N 32.5054836
LONG.: W 104.0633201
FIRST PERFORATION POINT (FPP)
445' FSL - SEC. 2
100' FWL - SEC. 2
X=623930 Y=546925
LAT.: N 32.5032716
LONG.: W 104.0654214
BLM PERF. POINT (BPP1)
439' FSL - SEC. 2
0' FEL - SEC. 2
X=629114 Y=546931
LAT.: N 32.5032530
LONG.: W 104.0486083
BLM PERF. POINT (BPP2)
445' FSL - SEC. 1
0' FEL - SEC. 1
X=634415 Y=546938
LAT.: N 32.5032318
LONG.: W 104.0314125
LAST PERFORATION POINT (LPP)
729' FSL - SEC. 6
2225' FWL - SEC. 6
X=636640 Y=546941
LAT.: N 32.5032222
LONG.: W 104.0241951
BOTTOM HOLE LOCATION (BHL)
729' FSL - SEC. 6
2265' FWL - SEC. 6
X=636680 Y=546941
LAT.: N 32.5032220
LONG.: W 104.0240654



Angel M. Baeza, P.S. No. 25116  
March 11, 2024

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

481 WINNSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554  
TEXAS FIRM REGISTRATION NO. 10042504  
WWW.TOPOGRAPHIC.COM

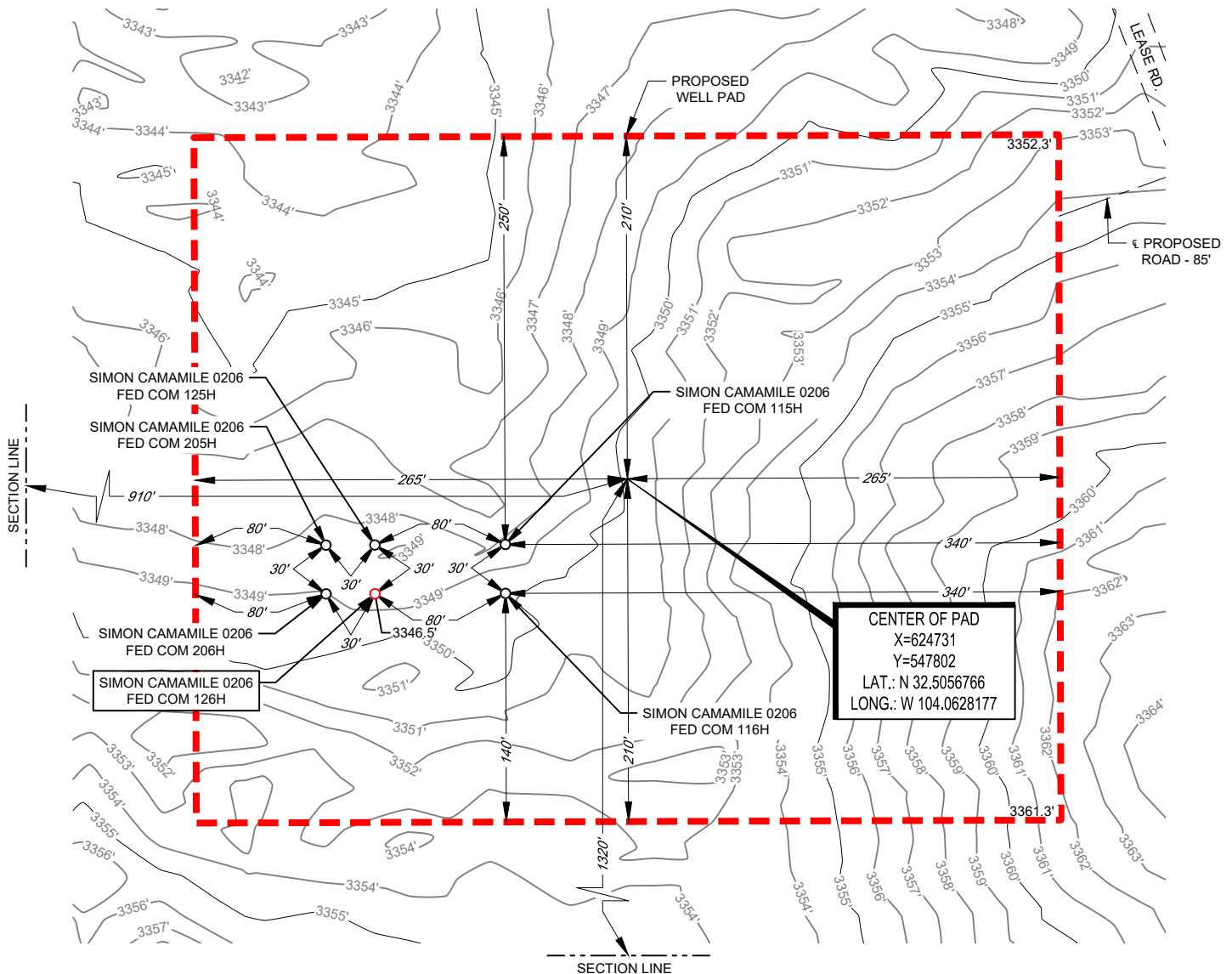
## LEGEND

--- SECTION LINE  
 - - - PROPOSED ROAD  
 = = = ROAD WAY



SECTION 2, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M.  
 EDDY COUNTY, NEW MEXICO

DETAIL VIEW  
 SCALE: 1" = 100'



Angel M. Baeza, P.S. No. 25116

March 11, 2024

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 126H  
 126H LATITUDE N 32.5054836 126H LONGITUDE W 104.0633201

CENTER OF PAD IS 1320' FSL & 910' FWL



SCALE: 1" = 100'

0' 50' 100'

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 481 WINNSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
 TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554  
 TEXAS FIRM REGISTRATION NO. 10042504  
 WWW.TOPOGRAPHIC.COM



## Modified BOP Testing Procedure for Batch Drilling

Simon Camamile 0206 Fed Com 126H  
SHL: 1250' FSL & 755' FWL Section 2

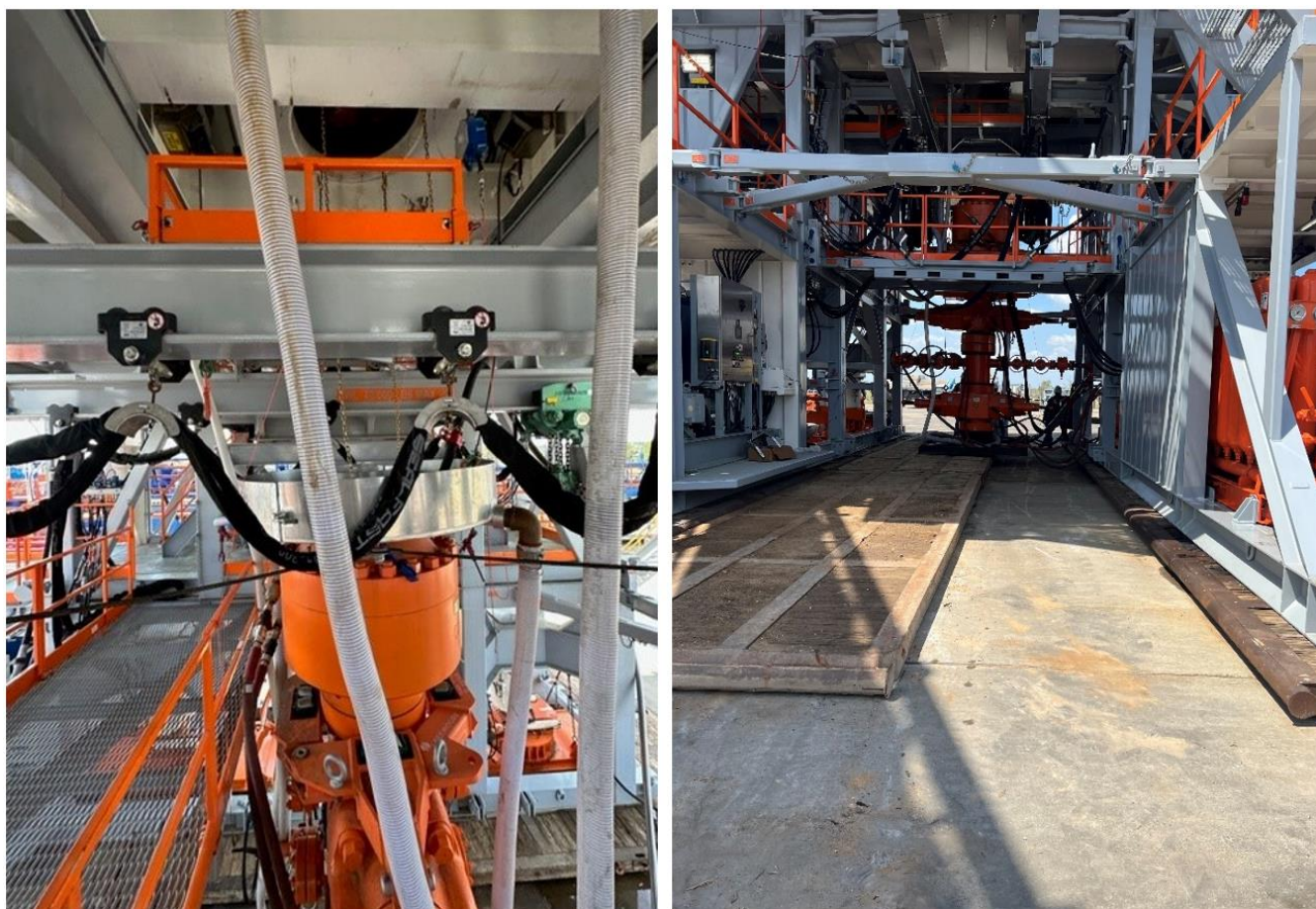
Township/Range: 21S 28E  
Elevation Above Sea Level: 3347'

Matador Production Company requests a variance to allow break testing the Blowout Preventer Equipment (BOPE) as prudent in batch drilling operations. Matador requests a variance from 43 CFR 3172.6(b)(9)(iv)(C) to only test broken pressure seals on the BOPE during batch (skid) drilling operations with multiple wells on the same pad.

### Justification

The Bureau of Land Management began issuing and revising Onshore Orders pertaining the exploration and development of oil and gas operations on federal onshore and Indian leases in 1983. These orders were later published in 1988, specifically OOGO No. 2 "Drilling Operations on Federal and Indian Oil and Gas Leases" was published November 18, 1988, and has since been the governing standard for over 30 years. This order was later codified in 43 CFR Subpart 3172 on June 16, 2023 with no substantive changes to the content. During which time, the oil and gas industry has seen significant advancements in technology and processes that facilitate safer and more efficient operations, some of those being improvements in rig and wellhead design. The improvements in rig design allow for the BOP stack to remain connected and intact while skidding and the changes in wellhead design complement this feature by utilizing quick connects from BOP to wellhead. The combination of these technologies allow for the rig to skid to the next well while only breaking two pressure sealing connections.

American Petroleum Institute (API) standards, specifications and recommended practices are considered an industry standard and are commonly referenced in 43 CFR 3172 and routinely used in APD COA's. API Standard 53 "Well Control Equipment Systems for Drilling Wells" recognizes break testing as an acceptable practice during batch drilling operations, specifically in API Std 53 Section 5.3.7.1.



Figures 1 & 2: BOP winch system picture with walking capabilities.

## Modified BOP Testing Procedure for Batch Drilling

With these enhancements to operations, Matador Production Company believes that break testing during batch drilling operations meets, and in most cases, exceeds the BLM's intent of 43 CFR 3172.6(b)(9)(iv)(C).

This variance request will be referenced and attached in all APDs seeking approval for break testing and will receive approval prior to implementing this variance.

### Procedure

1. Matador Production Company will follow the below guidelines prior to implementing break testing variance:
  - a. A full BOP test will be conducted on the first well on the pad.
    - i. Full BOP test will be conducted every 21 days per API Std 53, which is above 43 CFR 3172.6(b)(9)(iv)(D) 30 day requirement.
    - ii. Annular type preventers tested to 70% RWP per API Std 53, which is above 43 CFR 3172.6(b)(9)(iii) 50% requirement.
    - iii. Full BOP test will be conducted prior to drilling out any production hole sections.
  - b. The deepest first intermediate hole section will be drilled first.
    - i. All subsequent intermediate hole sections will be at same depth or shallower.
    - ii. The calculated maximum anticipated surface pressure (MASP) for intermediate hole section will be below 4500 psi.
    - iii. If any well control events are encountered, a full BOP test will be performed on subsequent well.
2. After performing a full BOP test on first well, the intermediate hole section will be drilled and cased per design, two breaks will be made on the BOP equipment:
  - a. One between the BOP quick connect adapter and wellhead.
  - b. One between the HCR valve and choke line connection.
3. Following that, the BOP will be lifted up from the wellhead using a hydraulic or winch system. The two connections will be broken as seen in **Figure 3**.
4. Once skidding to subsequent well is complete, the BOP will be installed on wellhead and the HCR-to-Choke line break will be reconnected.
5. The test plug will then be installed into wellhead.
6. A shell test will then be performed, testing both connections broken as seen in **Figure 4**.
  - a. The test will consist of a 250 psi low test and a high test equal to the BOP rating value submitted in the APD and as approved in COAs.
  - a. Break test procedure is the same for both 5M and 10M systems, only test pressures change.
7. Following a successful shell test, a function test of the lower pipe rams, blind rams, and annular preventer will be performed.
8. For multi-well pads, the same procedure will be followed for subsequent wells only if the next intermediate hole section can be drilled and cased with the 21-day BOP test window. If unable to be drilled in that time, a full BOP test will be performed.

## Modified BOP Testing Procedure for Batch Drilling

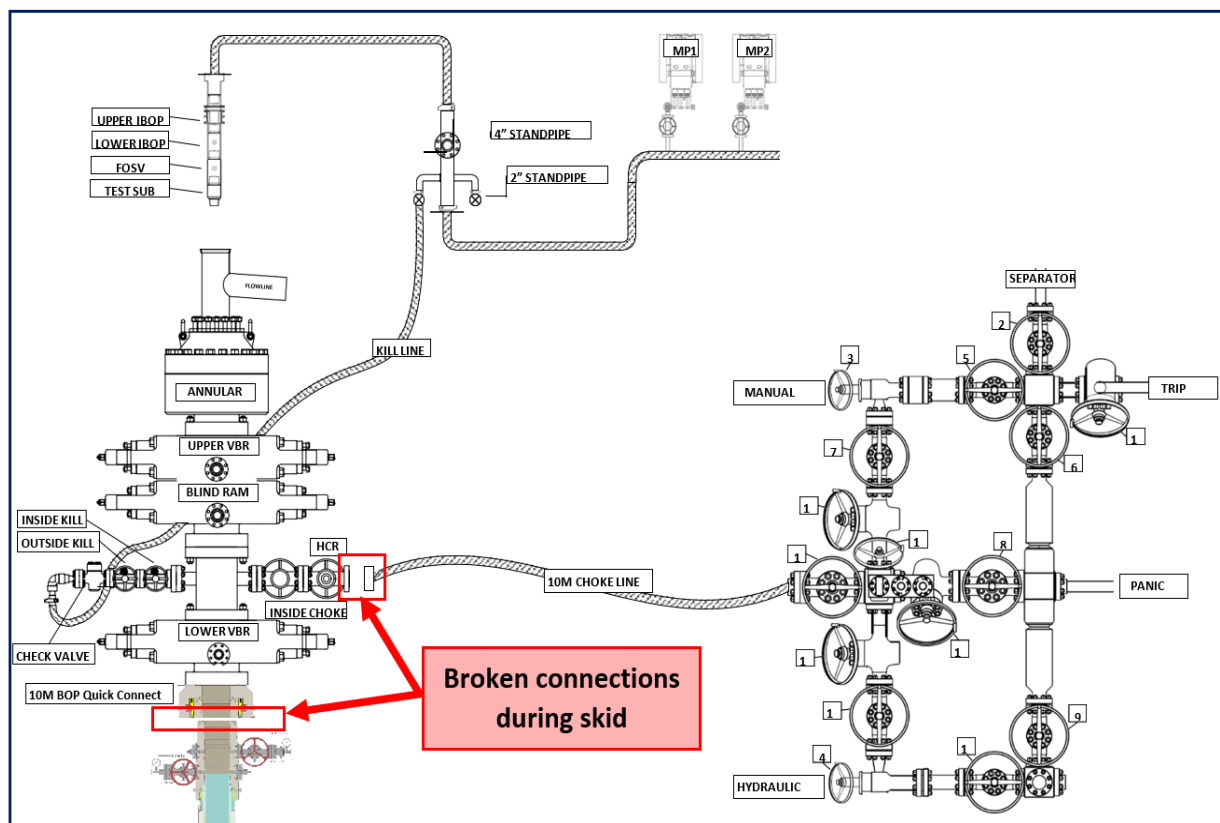


Figure 3: Shows which connections are broken during the skidding process

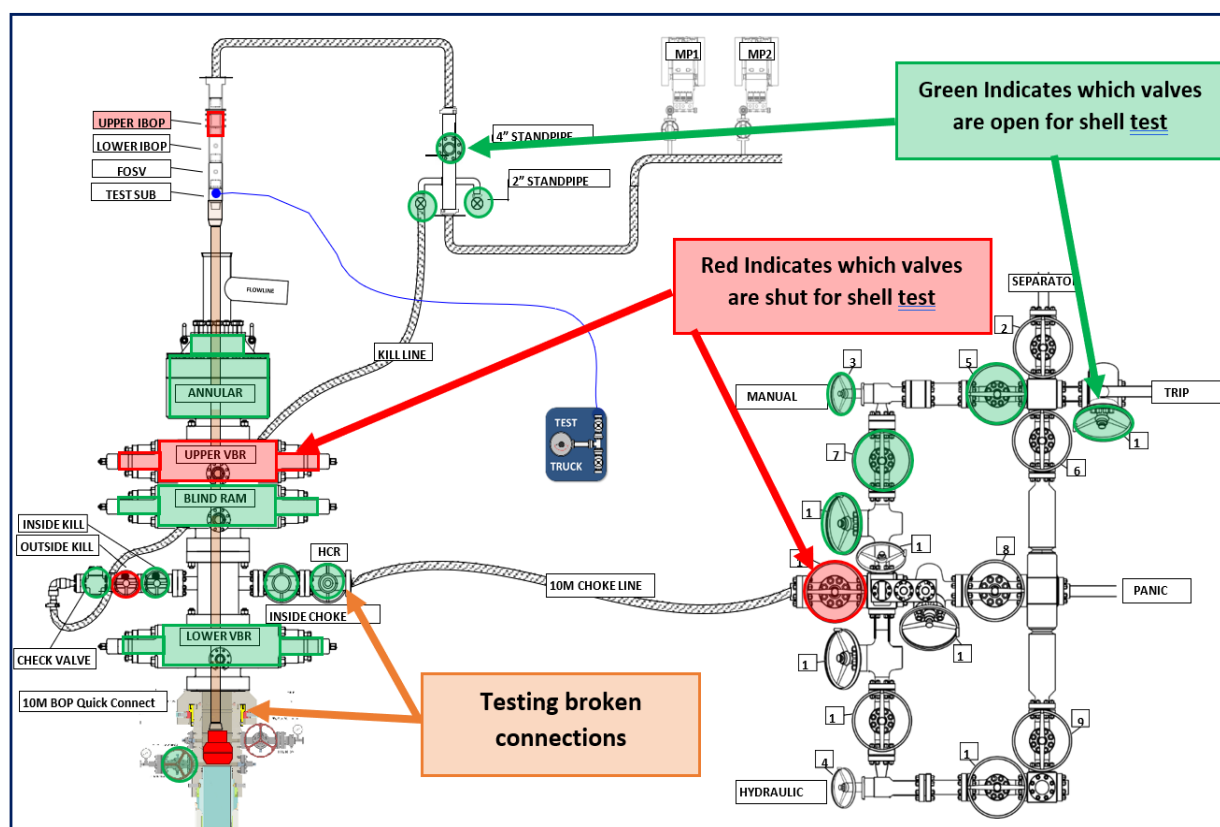


Figure 4: Shows which valves are shut/open for the shell test, testing both broken connections

## Casing Table Specification Sheet

**Simon Camamile 0206 Fed Com 126H**

**SHL: 1250' FSL & 755' FWL Section 2**

**BHL: 729' FSL & 2265' FWL Section 6**

**Township/Range: 21S 28E**

**Elevation Above Sea Level: 3347**

String	Hole Size (in)	Set MD (ft)	Set TVD (ft)	Casing Size (in)	Wt. (lb/ft)	Grade	Joint	Collapse	Burst	Tension
Surface	26	0 - 665	0 - 665	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 1650	0 - 1650	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 3992	0 - 3959	8.625	32	P110	Hunting TLW	1.125	1.125	1.8
Production	7.875	0 - 21213	0 - 8575	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

**Matador Production Company**

Released to Imaging: 6/28/2024 4:09:39 PM



## Casing Specs - 8.625" 32lb Hunting TLW

Simon Camamile 0206 Fed Com 126H

Township/Range: 21S 28E

SHL: 1250' FSL &amp; 755' FWL Section 2

Elevation Above Sea Level: 3347'



# TEC-LOCK WEDGE

8.625" 32.00 LB/FT (.352" Wall)

AXIS P110 HC

## Pipe Body Data

Nominal OD:	8.625	in
Nominal Wall:	.352	in
Nominal Weight:	32.00	lb/ft
Plain End Weight:	31.13	lb/ft
Material Grade:	P110 HC	
Mill/Specification:	AXIS	
Yield Strength:	110,000	psi
Tensile Strength:	125,000	psi
Nominal ID:	7.921	in
API Drift Diameter:	7.796	in
Special Drift Diameter:	None	in
RBW:	87.5 %	
Body Yield:	1,006,000	lbf
Burst:	7,860	psi
Collapse:	4,170	psi

## Connection Data

Standard OD:	9.000	in
Pin Bored ID:	7.921	in
Critical Section Area:	8.614	in <sup>2</sup>
Tensile Efficiency:	94.2 %	
Compressive Efficiency:	98.5 %	
Longitudinal Yield Strength:	948,000	lbf
Compressive Limit:	991,000	lbf
Internal Pressure Rating:	7,860	psi
External Pressure Rating:	4,170	psi
Maximum Bend:	55.1	°/100ft

## Operational Data

Minimum Makeup Torque:	26,900	ft*lb
Optimum Makeup Torque:	33,600	ft*lb
Maximum Makeup Torque:	74,300	ft*lb
Minimum Yield:	82,600	ft*lb
Makeup Loss:	5.97	in

**Notes** Operational Torque is equivalent to the Maximum Make-Up Torque

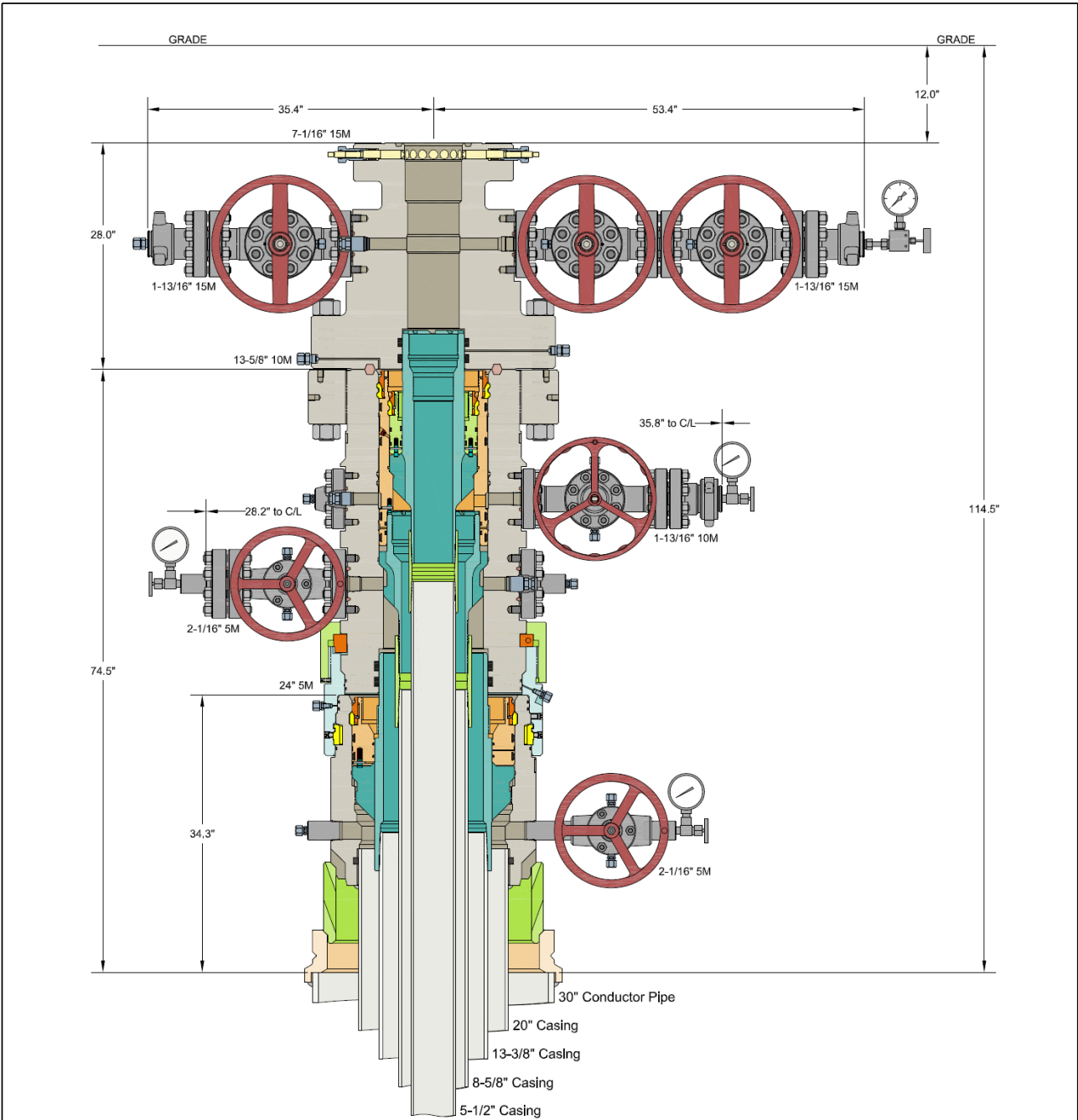


Generated on 7/26/2022

4-String Wellhead Diagram

Simon Camamile 0206 Fed Com 126H  
SHL: 1250' FSL & 755' FWL Section 2

Township/Range: 21S 28E  
Elevation Above Sea Level: 3347'



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	MATADOR PRODUCTION COMPANY WEST TEXAS		
	DRAWN	DLE	14DEC23
	APPRV		
30" x 20" x 13-3/8" x 8-5/8" x 5-1/2" CRC / MBU-3T-CFL Wellhead With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And 13-3/8", 8-5/8" & 5-1/2" Mandrel Casing Hangers		DRAWING NO. HBE0001107	

Co-Flex Hose Certification

Simon Camamile 0206 Fed Com 126H  
SHL: 1250' FSL & 755' FWL Section 2

Township/Range: 21S 28E  
Elevation Above Sea Level: 3347'



CERTIFICATE OF QUALITY

LTYY/QR-5.7.1-19B

No: LT2024-029-002

Customer Name	Austin Hose		
Product Name	Choke And Kill Hose		
Product Specification	3"×10000psi×11.08ft (3.38m)	Quantity	2PCS
Serial Number	7660215、7660216	FSL	FSL3
Temperature Range	-29℃～+121℃	Standard	API Spec 16C 3 <sup>rd</sup> edition
Inspection Department	Q.C. Department	Inspection date	2024.02.20

Inspection Items		Inspection results	
Appearance Checking		In accordance with API Spec 16C 3 <sup>rd</sup> edition	
Size and Lengths		In accordance with API Spec 16C 3 <sup>rd</sup> edition	
Dimensions and Tolerances		In accordance with API Spec 16C 3 <sup>rd</sup> edition	
End Connections: 4-1/16"×10000psi Integral flange for sour gas service		In accordance with API Spec 6A 21 <sup>st</sup> edition	
End Connections: 4-1/16"×10000psi Integral flange for sour gas service		In accordance with API Spec 17D 3 <sup>rd</sup> edition	
Hydrostatic Testing		In accordance with API Spec 16C 3 <sup>rd</sup> edition	
product Marking		In accordance with API Spec 16C 3 <sup>rd</sup> edition	
Inspection conclusion		The inspected items meet standard requirements of API Spec 16C 3 <sup>rd</sup> edition	
Remarks			
Approver	Jane C	Auditor	Alice D
		Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD



## Co-Flex Hose Certification

**POWERTRACK**

## HYDROSTATIC TESTING REPORT

LTYT/QR-5.7.1-28

№: 240220001

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 <sup>rd</sup> edition
Product Specification	3"×10000psi×11.08ft (3.38m)	Serial Number	7660215
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2024.02.20

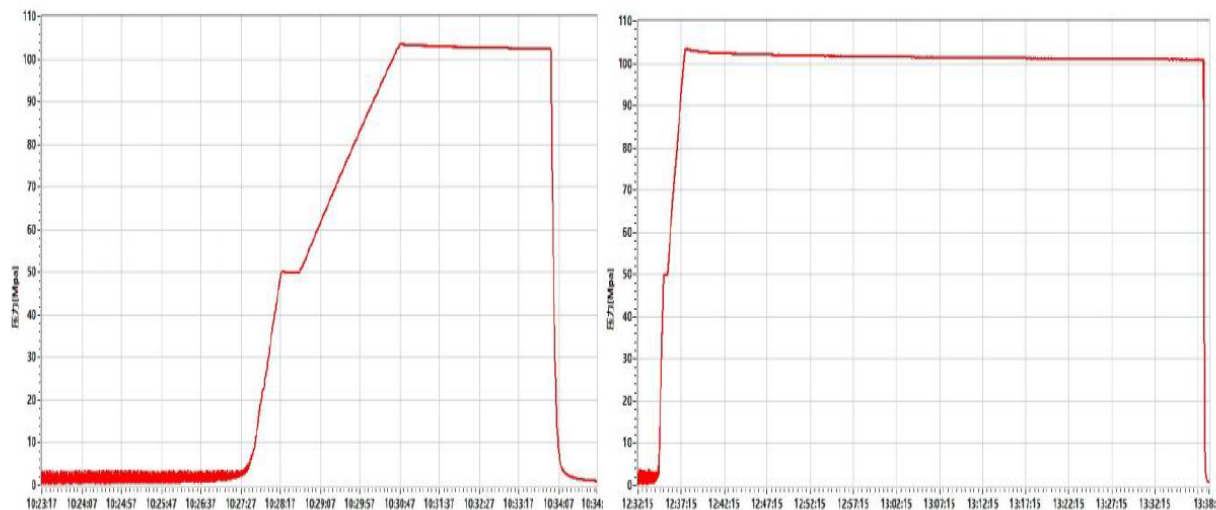
## Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than 65 mm (2½ in.)+ 0.01 L
Testing result	10000psi (69.0MPa) ,length change 7mm

## Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 <sup>rd</sup> edition				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W
LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD					

Co-Flex Hose Certification



HYDROSTATIC TESTING REPORT

LTTY/QR-5.7.1-28

№: 240220002

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 <sup>rd</sup> edition
Product Specification	3"×10000psi×11.08ft (3.38m)	Serial Number	7660216
Inspection Equipment	MTU-BS-1600-3200-E	Test medium	Water
Inspection Department	Q.C. Department	Inspection Date	2024.02.19

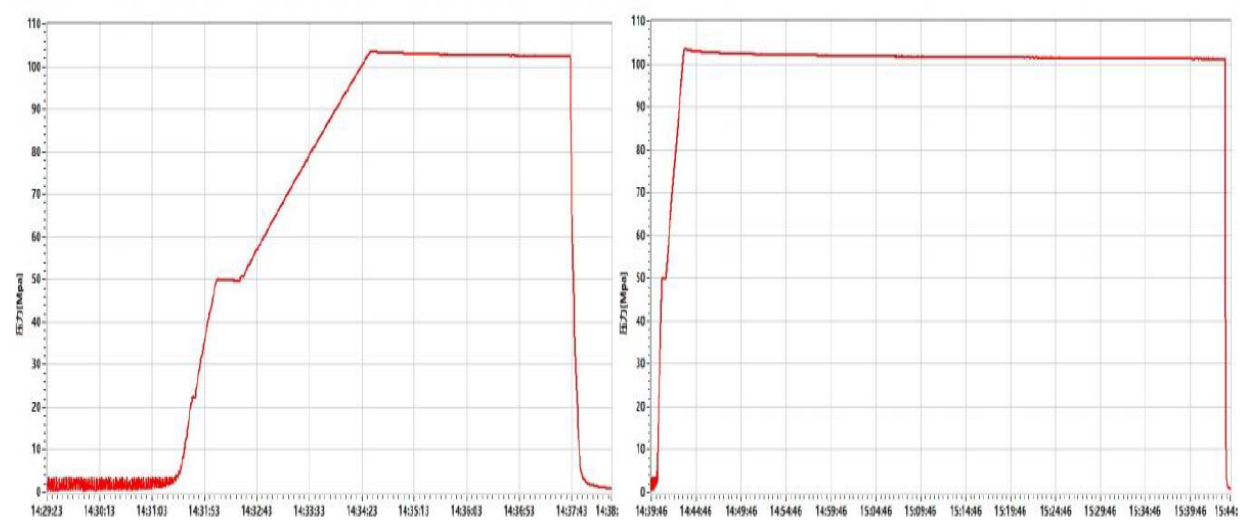
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than65 mm (2½ in.)+ 0.01 L
Testing result	10000psi (69.0MPa) ,length change 8mm

Hydrostatic testing

Standard requirements	At 1.5 times working pressure, the initial pressure-holding period of not less than three minutes, the second pressure-holding period of not less than one hour, no leaks.
Testing result	15000psi (103.5MPa), 3 min for the first time, 60 min for the second time, no leakage

Graph of pressure testing:



Conclusion	The inspected items meet standard requirements of API Spec 16C 3 <sup>rd</sup> edition				
Approver	Jane C	Auditor	Alice D	Inspector	Leo W

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD



Co-Flex Hose Certification



CERTIFICATE OF CONFORMANCE

№:LT240220003

Product Name: Choke And Kill Hose  
Product Specification: 3"×10000psi×11.08ft (3.38m)  
Serial Number: 7660215、7660216  
End Connections: 4-1/16"×10000psi Integral flange for sour gas service

The Choke And Kill Hose assembly was produced by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD.in Feb, 2024, and inspected by LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD. according to API Spec 16C 3<sup>rd</sup> edition on Feb 20, 2024. The overall condition is good. This is to certify that the Choke And Kill Hose complies with all current standards and specifications for API Spec 16C 3<sup>rd</sup> edition .

QC Manager: Jane C Date:Feb 20, 2024

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD



## Offline Cementing - Intermediate Casing

**Simon Camamile 0206 Fed Com 126H**  
**SHL: 1250' FSL & 755' FWL Section 2**

**Township/Range: 21S 28E**  
**Elevation Above Sea Level: 3347'**

Matador Production Company requests the option to cement the intermediate casing string offline as a prudent batch drilling efficiency of acreage development.

### Cement Program

No changes to the cement program will take place for offline cementing.

### Offline Cementing Procedure

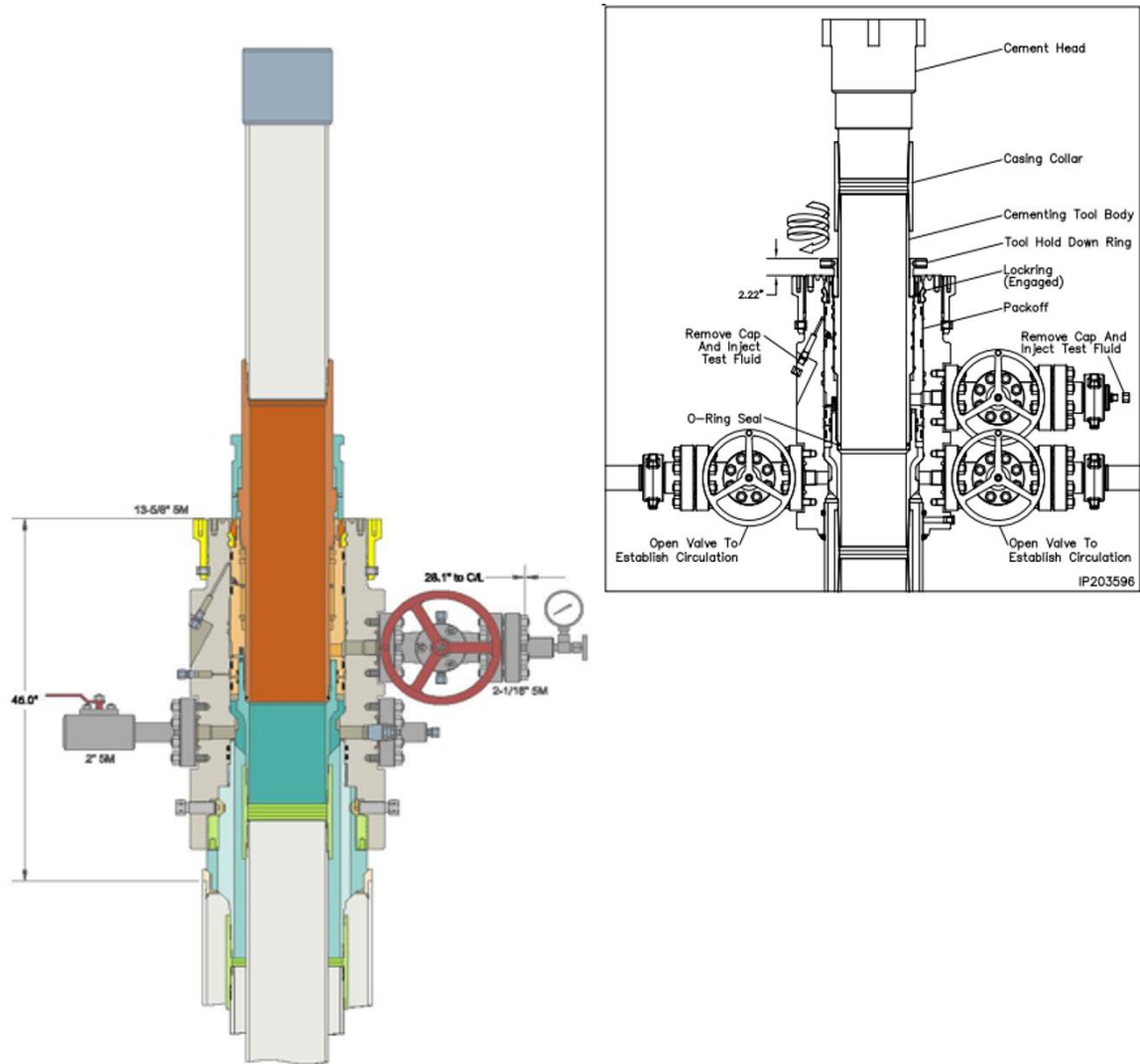
The operational sequence will be as follows. Well must meet the below requirements to be a candidate for offline cementing, if wellbore conditions change, BLM will be notified.

- No noticeable wellbore instability.
  - Casing installed successfully with no issues.
  - No observed shallow gas or other anomalies
  - Intermediate hole section must have a MASP of 5,000 psi or lower.
1. Run casing as per normal operations. While running casing, confirm integrity of the float equipment (float collar and shoe).
  2. Land Intermediate casing with fluted mandrel hanger through BOP stack.
  3. Remove the landing joint and set packoff through BOP. Pressure test seals to 5,000 psi for 10 minutes. After the test, engage the lockring.
  4. Notify the BLM 4 hours prior to N/D BOP and offline cementing. Confirm the following barriers are operational:
    - a. Inside Casing: 2 float valves and mud weight sufficient to hold back pore pressure
    - b. Annulus (outside) Casing: Packoff and mud weight sufficient to hold back pore pressure
  5. Once the well is secure and BLM has been notified, proceed with nipping down BOP and installing cap flange.
  6. Skid rig to the next well on the pad.
  7. Rig up lines to take returns from wellhead through the cement choke manifold to the pits.
  8. Attach a test pump with manifold to the open fitting and pump clean fluid until a stable test pressure of 5,000 psi is achieved. Hold pressure for 15 minutes. After a satisfactory test, bleed off test pressure, remove test pump and reinstall cap flange on the open fitting.
  9. Attach the test pump to the upper outlet valve and pressure up the void area between the upper and lowermost O-rings until a stable test pressure of 5,000 psi is achieved. After a satisfactory test, bleed off all test pressure and leave the upper valve in the open position.
  10. Place a mark across the top of the wellhead to monitor possible rotation of the tool during the cement job.
  11. Install the casing hanger/packoff offline cementing tool. Rig up cement head and cementing lines. Pressure test lines against the cement head as per cement procedure.
  12. Break circulation on well to confirm no restrictions. If shallow gas is encountered, shut in the well and reroute returns through the gas buster.
    - a. Max anticipated time before circulating with cement truck is 24 hours.
  13. Establish circulation and cement casing as per plan, taking returns through the two 2-1/16" 5M gate valves on the housing lower outlets. At plug bump, pressure test casing to 0.22 psi/ft per foot of casing string length or 1,500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield.
  14. With cement in place, confirm well is static and floats are holding. Bleed off the cement pressure and remove cement head.
  15. Remove the casing hanger/packoff offline cementing tool.
  16. Install TA cap with pressure gauge for monitoring.



## Offline Cementing - Intermediate Casing

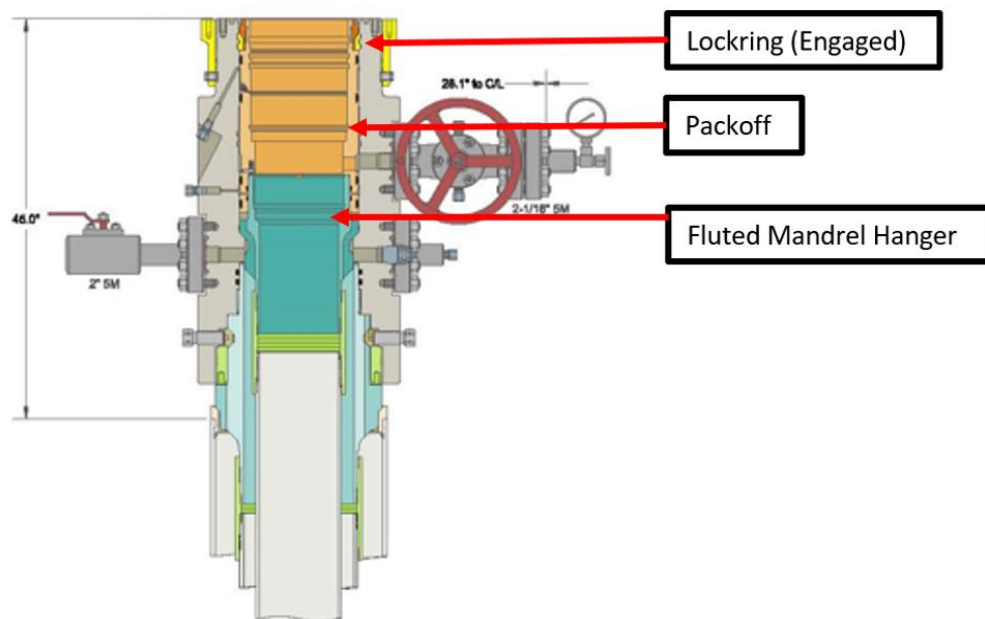
Figure 1: Cactus Offline Cementing Tool Schematic (5M tool)



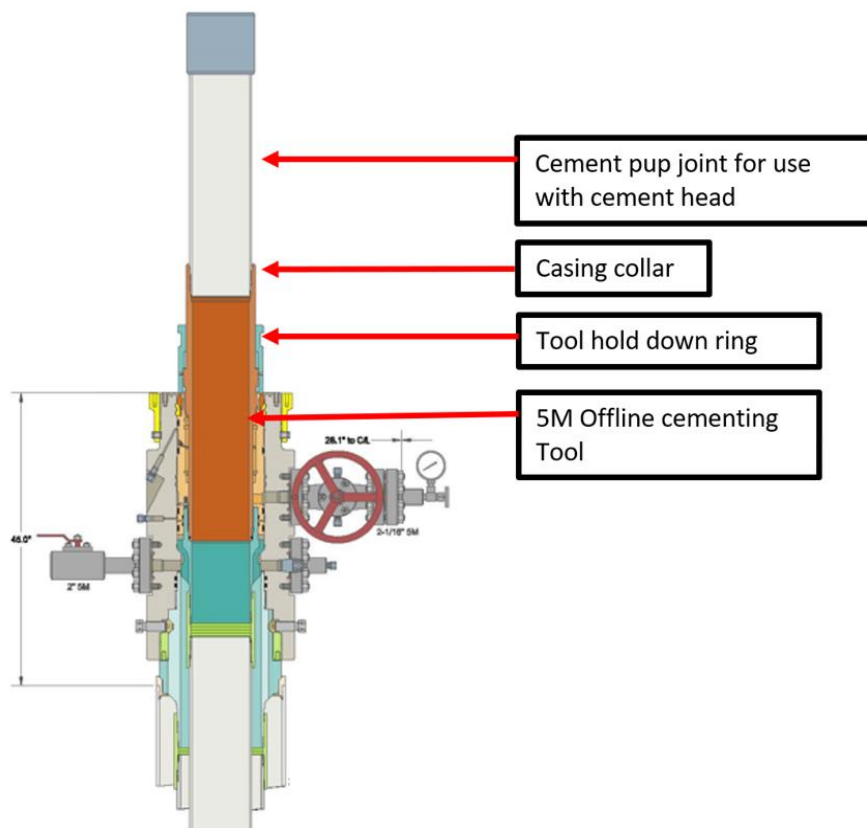
## Offline Cementing - Intermediate Casing

**Figure 2: Step-by-Step schematics procedure**

**Step 1:** Landing the mandrel hanger and setting the packoff. The well is sealed with mud, two float valves, and packoff.

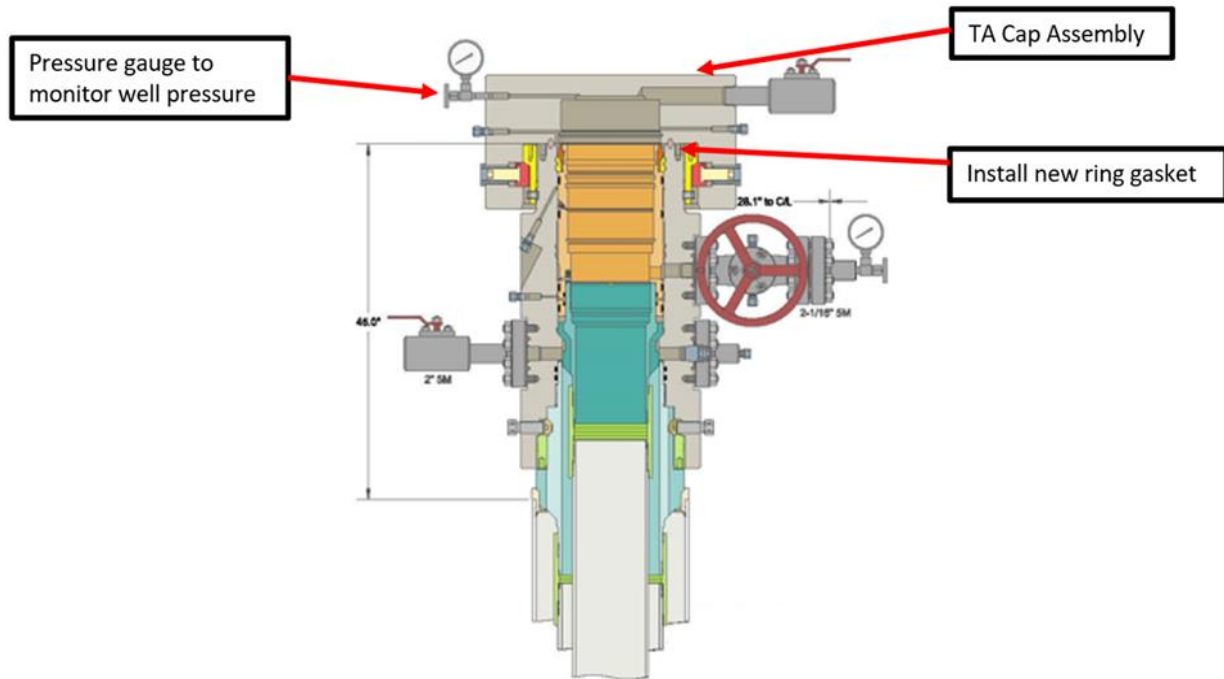


**Step 2:** Install casing hanger/packoff offline cementing tool.



## Offline Cementing - Intermediate Casing

**Step 3:** Install TA cap with pressure gauge for monitoring.



## Offline Cementing - Surface Casing

**Simon Camamile 0206 Fed Com 126H**  
**SHL: 1250' FSL & 755' FWL Section 2**

**Township/Range: 21S 28E**  
**Elevation Above Sea Level: 3347'**

Matador Production Company requests the option to cement the surface casing string offline as a prudent batch drilling efficiency of acreage development.

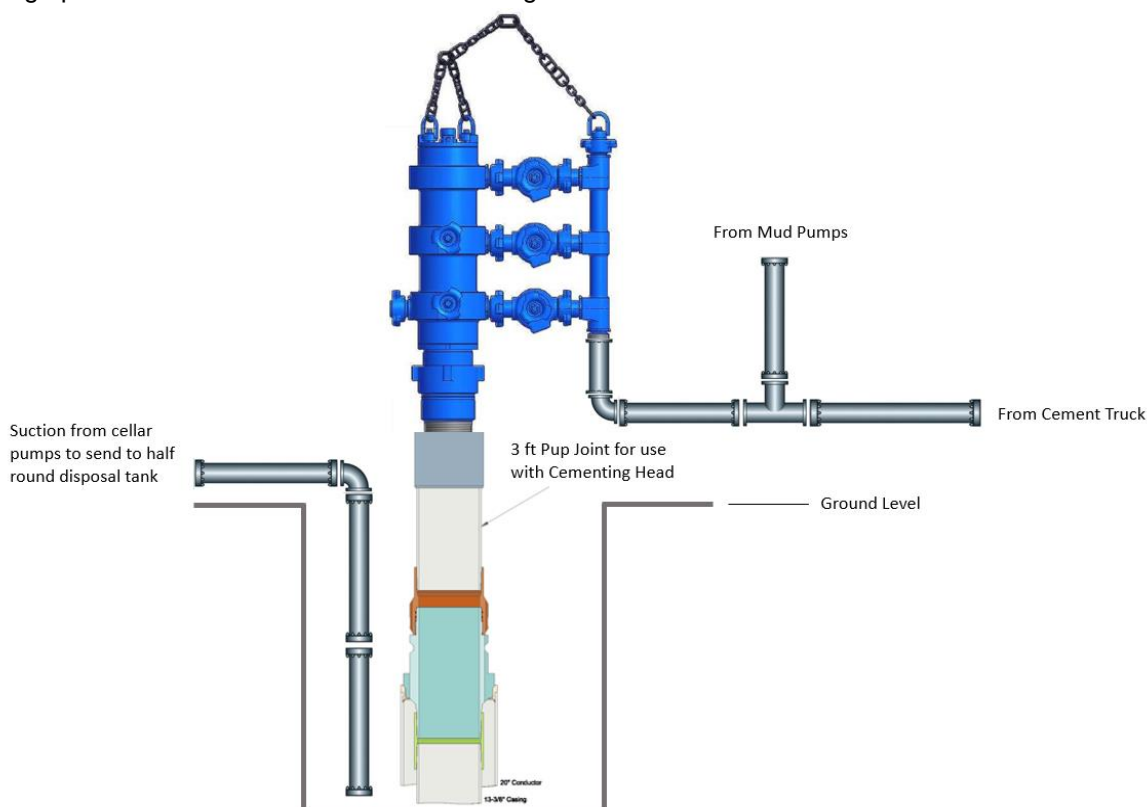
### Cement Program

No changes to the cement program will take place for offline cementing.

### Offline Cementing Procedure

The operational sequence will be as follows. Well must meet the below requirements to be a candidate for offline cementing, if wellbore conditions change, BLM will be notified.

- No noticeable wellbore instability.
  - Casing installed successfully with no issues.
  - No observed shallow gas or other anomalies
1. Run casing as per normal operations. While running casing, conduct a negative pressure test and confirm integrity of the float equipment (float collar and shoe).
  2. Land casing with mandrel.
  3. Nipple down BOP and install cap flange.
  4. Skid rig to the next well on the pad.
  5. Rig up on the well in accordance with the diagram shown below.



6. Circulate bottoms up with cement truck.
  - Max anticipated time before circulating with cement truck is 24 hours.
7. Perform cement job, taking returns in the cellar.
8. Confirm well is static and floats are holding following the cement job.
9. Remove cement equipment and install night cap with pressure gauge for monitoring.

# **Matador Production Company**

**Ranger/Arrowhead**

**Simon Camamile Fed Com**

**Simon Camamile Fed Com #126H**

**Wellbore #1**

**BLM Plan #1**

## **Anticollision Report**

**28 March, 2024**

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Reference	BLM Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 3/28/2024	
From (usft)	To (usft)	Survey (Wellbore)
0.0	21,213.6	BLM Plan #1 (Wellbore #1)
		Tool Name
		MWD
		Description
		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						
Simon Camamile Fed Com						
Simon Camamile Fed Com #113H - BLM Plan #1 - BLM	1,000.0	962.0	2,330.9	2,324.3	354.638	CC, ES
Simon Camamile Fed Com #113H - BLM Plan #1 - BLM	21,213.6	20,039.0	4,053.8	3,443.8	6.645	SF
Simon Camamile Fed Com #114H - Wellbore #1 - BLM P	1,000.0	962.0	2,245.9	2,239.3	341.706	CC
Simon Camamile Fed Com #114H - Wellbore #1 - BLM P	21,212.5	20,014.1	2,773.7	2,178.9	4.663	ES, SF
Simon Camamile Fed Com #116H - Wellbore #1 - BLM P	3,419.3	3,433.3	38.6	11.9	1.445	Level 3, CC
Simon Camamile Fed Com #116H - Wellbore #1 - BLM P	7,300.0	7,339.7	60.2	1.6	1.028	Level 2, ES, SF
Simon Camamile Fed Com #125H - Wellbore #1 - BLM P	1,000.0	1,001.0	29.9	23.2	4.450	CC, ES
Simon Camamile Fed Com #125H - Wellbore #1 - BLM P	21,213.6	21,212.2	1,320.0	701.5	2.134	SF
Simon Camamile Fed Com #134H - Wellbore #1 - BLM P	1,000.0	964.0	2,224.5	2,217.9	338.087	CC, ES
Simon Camamile Fed Com #134H - Wellbore #1 - BLM P	21,213.6	22,118.4	3,483.9	2,890.3	5.870	SF
Simon Camamile Fed Com #135H - Wellbore #1 - BLM P	7,301.4	7,500.0	1,963.2	1,907.9	35.495	CC
Simon Camamile Fed Com #135H - Wellbore #1 - BLM P	21,213.6	22,180.4	2,277.7	1,725.7	4.126	ES, SF
Simon Camamile Fed Com #136H - Wellbore #1 - BLM P	1,000.0	1,001.0	85.4	78.7	12.724	CC, ES
Simon Camamile Fed Com #136H - Wellbore #1 - BLM P	21,213.6	22,185.2	1,289.1	927.4	3.564	SF
Simon Camamile Fed Com #203H - Wellbore #1 - Actua	100.0	58.2	2,359.7	2,359.5	10,000.000	CC
Simon Camamile Fed Com #203H - Wellbore #1 - Actua	200.0	152.1	2,360.0	2,359.3	3,278.013	ES
Simon Camamile Fed Com #203H - Wellbore #1 - Actua	21,213.6	22,176.0	4,191.9	3,606.3	7.159	SF
Simon Camamile Fed Com #204H - Wellbore #1 - Actua	476.6	438.8	2,351.9	2,349.2	868.874	CC
Simon Camamile Fed Com #204H - Wellbore #1 - Actua	500.0	448.0	2,352.0	2,349.2	832.776	ES
Simon Camamile Fed Com #204H - Wellbore #1 - Actua	21,213.6	22,261.0	3,003.4	2,445.8	5.386	SF
Simon Camamile Fed Com #205H - Wellbore #1 - BLM P	1,000.0	1,001.0	42.3	35.6	6.300	CC
Simon Camamile Fed Com #205H - Wellbore #1 - BLM P	1,100.0	1,101.0	42.5	35.1	5.732	ES
Simon Camamile Fed Com #205H - Wellbore #1 - BLM P	21,213.6	22,452.8	1,936.0	1,489.3	4.334	SF
Simon Camamile Fed Com #206H - Wellbore #1 - Actua	2,306.6	2,302.7	17.4	1.1	1.064	Level 2, CC, ES, SF
Simon Camamile Fed Com #224H - Wellbore #1 - BLM P	1,000.0	961.0	2,323.3	2,316.8	353.684	CC, ES
Simon Camamile Fed Com #224H - Wellbore #1 - BLM P	21,213.6	22,472.9	3,644.9	3,074.5	6.390	SF
Simon Camamile Fed Com #225H - Wellbore #1 - BLM P	8,505.0	8,552.9	2,075.8	2,013.1	33.112	CC, ES
Simon Camamile Fed Com #225H - Wellbore #1 - BLM P	21,213.6	22,554.9	2,538.5	2,034.6	5.037	SF

Offset Design		Simon Camamile Fed Com - Simon Camamile Fed Com #113H - BLM Plan #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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre			Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)		(usft)	(usft)	(usft)			

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	0.0	0.0	0.0	0.0	-15.22	2,249.1	-612.0	2,331.2					
100.0	100.0	62.0	62.0	0.1	0.1	-15.22	2,249.1	-612.0	2,330.9	2,330.7	0.21	N/A		
200.0	200.0	162.0	162.0	0.5	0.4	-15.22	2,249.1	-612.0	2,330.9	2,330.0	0.84	2,784.703		
300.0	300.0	262.0	262.0	0.8	0.7	-15.22	2,249.1	-612.0	2,330.9	2,329.3	1.55	1,499.950		
400.0	400.0	362.0	362.0	1.2	1.1	-15.22	2,249.1	-612.0	2,330.9	2,328.6	2.27	1,026.406		
500.0	500.0	462.0	462.0	1.6	1.4	-15.22	2,249.1	-612.0	2,330.9	2,327.9	2.99	780.118		
600.0	600.0	562.0	562.0	1.9	1.8	-15.22	2,249.1	-612.0	2,330.9	2,327.2	3.70	629.152		
700.0	700.0	662.0	662.0	2.3	2.1	-15.22	2,249.1	-612.0	2,330.9	2,326.5	4.42	527.141		
800.0	800.0	762.0	762.0	2.6	2.5	-15.22	2,249.1	-612.0	2,330.9	2,325.7	5.14	453.595		
900.0	900.0	862.0	862.0	3.0	2.9	-15.22	2,249.1	-612.0	2,330.9	2,325.0	5.86	398.058		
1,000.0	1,000.0	962.0	962.0	3.4	3.2	-15.22	2,249.1	-612.0	2,330.9	2,324.3	6.57	354.638	CC, ES	
1,100.0	1,100.0	1,062.0	1,062.0	3.7	3.6	123.99	2,249.1	-612.0	2,332.1	2,324.8	7.27	320.599		
1,200.0	1,199.7	1,161.7	1,161.7	4.0	3.9	124.04	2,249.1	-612.0	2,335.8	2,327.8	7.97	293.224		
1,300.0	1,299.1	1,227.6	1,227.6	4.4	4.2	124.05	2,249.3	-612.0	2,342.3	2,333.8	8.54	274.125		
1,372.0	1,370.4	1,259.6	1,259.5	4.6	4.3	123.99	2,250.0	-612.1	2,349.9	2,341.0	8.91	263.667		
1,400.0	1,398.0	1,271.9	1,271.9	4.7	4.3	124.03	2,250.5	-612.2	2,353.4	2,344.4	9.06	259.866		
1,500.0	1,496.7	1,300.0	1,300.0	5.1	4.4	124.12	2,251.7	-612.3	2,367.6	2,358.1	9.51	249.003		
1,600.0	1,595.4	1,359.6	1,359.4	5.5	4.6	124.33	2,255.7	-612.9	2,383.8	2,373.7	10.08	236.504		
1,700.0	1,694.1	1,400.0	1,399.6	5.9	4.8	124.47	2,259.5	-613.5	2,402.5	2,391.9	10.58	227.151		
1,800.0	1,792.7	1,445.7	1,445.0	6.3	5.0	124.63	2,264.7	-614.2	2,423.4	2,412.3	11.09	218.478		
1,900.0	1,891.4	1,500.0	1,498.8	6.7	5.2	124.82	2,272.4	-615.4	2,446.6	2,434.9	11.64	210.209		
2,000.0	1,990.1	1,533.3	1,531.6	7.1	5.3	124.94	2,277.8	-616.2	2,471.9	2,459.8	12.09	204.401		
2,100.0	2,088.8	1,621.0	1,617.9	7.5	5.6	125.25	2,292.9	-618.4	2,498.5	2,485.7	12.78	195.543		
2,200.0	2,187.5	1,716.3	1,711.8	7.9	6.0	125.57	2,309.3	-620.8	2,525.2	2,511.7	13.50	187.006		
2,300.0	2,286.2	1,811.7	1,805.7	8.3	6.3	125.89	2,325.6	-623.2	2,551.9	2,537.7	14.23	179.321		
2,400.0	2,384.9	1,907.0	1,899.6	8.8	6.7	126.21	2,342.0	-625.6	2,578.8	2,563.8	14.96	172.355		
2,500.0	2,483.5	2,002.4	1,993.5	9.2	7.1	126.51	2,358.4	-627.9	2,605.7	2,590.0	15.70	166.015		
2,600.0	2,582.2	2,102.3	2,087.4	9.6	7.5	126.82	2,374.8	-630.3	2,632.7	2,616.3	16.45	160.059		
2,700.0	2,680.9	2,206.9	2,181.3	10.1	8.0	127.11	2,391.2	-632.7	2,659.8	2,642.6	17.22	154.455		
2,800.0	2,779.6	2,288.4	2,275.2	10.5	8.3	127.40	2,407.6	-635.1	2,686.9	2,669.0	17.91	150.038		
2,900.0	2,878.3	2,383.8	2,369.1	10.9	8.7	127.69	2,423.9	-637.5	2,714.1	2,695.5	18.65	145.539		
3,000.0	2,977.0	2,479.1	2,463.0	11.3	9.1	127.96	2,440.3	-639.9	2,741.4	2,722.0	19.39	141.379		
3,100.0	3,075.7	2,574.5	2,556.9	11.8	9.5	128.24	2,456.7	-642.3	2,768.7	2,748.5	20.13	137.522		
3,200.0	3,174.3	2,669.8	2,650.8	12.2	9.9	128.50	2,473.1	-644.7	2,796.0	2,775.2	20.88	133.938		
3,300.0	3,273.0	2,765.2	2,744.8	12.6	10.3	128.77	2,489.5	-647.1	2,823.5	2,801.8	21.62	130.598		
3,400.0	3,371.7	2,860.5	2,838.7	13.1	10.7	129.02	2,505.9	-649.5	2,851.0	2,828.6	22.36	127.480		
3,500.0	3,470.4	2,955.9	2,932.6	13.5	11.1	129.28	2,522.2	-651.9	2,878.5	2,855.4	23.11	124.563		
3,600.0	3,569.1	3,051.2	3,026.5	14.0	11.6	129.53	2,538.6	-654.3	2,906.1	2,882.2	23.85	121.828		
3,700.0	3,667.8	3,146.6	3,120.4	14.4	12.0	129.77	2,555.0	-656.7	2,933.7	2,909.1	24.60	119.259		
3,800.0	3,766.5	3,241.9	3,214.3	14.8	12.4	130.01	2,571.4	-659.1	2,961.4	2,936.1	25.35	116.842		
3,900.0	3,865.1	3,337.3	3,308.2	15.3	12.8	130.24	2,587.8	-661.5	2,989.1	2,963.0	26.09	114.564		
4,000.0	3,963.8	3,432.6	3,402.1	15.7	13.2	130.47	2,604.2	-663.9	3,016.9	2,990.1	26.84	112.413		
4,100.0	4,062.5	3,528.0	3,496.0	16.1	13.6	130.70	2,620.5	-666.3	3,044.7	3,017.2	27.58	110.380		
4,200.0	4,161.2	3,623.3	3,589.9	16.6	14.0	130.92	2,636.9	-668.7	3,072.6	3,044.3	28.33	108.455		
4,300.0	4,259.9	3,718.7	3,683.8	17.0	14.5	131.14	2,653.3	-671.1	3,100.5	3,071.4	29.08	106.630		
4,400.0	4,358.6	3,814.0	3,777.7	17.5	14.9	131.35	2,669.7	-673.5	3,128.5	3,098.6	29.82	104.897		
4,500.0	4,457.3	3,909.4	3,871.6	17.9	15.3	131.57	2,686.1	-675.9	3,156.5	3,125.9	30.57	103.250		
4,600.0	4,555.9	4,004.7	3,965.5	18.3	15.7	131.77	2,702.5	-678.3	3,184.5	3,153.2	31.32	101.682		
4,700.0	4,654.6	4,100.1	4,059.4	18.8	16.1	131.98	2,718.8	-680.7	3,212.6	3,180.5	32.07	100.189		
4,800.0	4,753.3	4,204.6	4,153.3	19.2	16.6	132.18	2,735.2	-683.1	3,240.7	3,207.8	32.85	98.660		
4,900.0	4,852.0	4,309.2	4,247.2	19.7	17.1	132.37	2,751.6	-685.5	3,268.8	3,235.2	33.63	97.202		
5,000.0	4,950.7	4,386.1	4,341.1	20.1	17.4	132.57	2,768.0	-687.9	3,297.0	3,262.7	34.31	96.104		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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	5,049.4	4,481.5	4,435.0	20.6	17.8	132.76	2,784.4	-690.3	3,325.2	3,290.1	35.05	94.860		
5,200.0	5,148.1	4,576.8	4,528.9	21.0	18.2	132.94	2,800.8	-692.6	3,353.4	3,317.6	35.80	93.670		
5,300.0	5,246.7	4,672.2	4,622.8	21.4	18.7	133.13	2,817.1	-695.0	3,381.7	3,345.2	36.55	92.528		
5,400.0	5,345.4	4,767.5	4,716.7	21.9	19.1	133.31	2,833.5	-697.4	3,410.0	3,372.7	37.30	91.434		
5,500.0	5,444.1	4,862.9	4,810.6	22.3	19.5	133.48	2,849.9	-699.8	3,438.4	3,400.3	38.04	90.383		
5,600.0	5,542.8	4,958.2	4,904.5	22.8	19.9	133.66	2,866.3	-702.2	3,466.8	3,428.0	38.79	89.373		
5,700.0	5,641.5	5,053.6	4,998.4	23.2	20.4	133.83	2,882.7	-704.6	3,495.2	3,455.6	39.54	88.402		
5,800.0	5,740.2	5,148.9	5,092.3	23.7	20.8	134.00	2,899.1	-707.0	3,523.6	3,483.3	40.28	87.468		
5,900.0	5,838.9	5,244.3	5,186.2	24.1	21.2	134.17	2,915.4	-709.4	3,552.0	3,511.0	41.03	86.569		
6,000.0	5,937.5	5,339.6	5,280.1	24.5	21.6	134.33	2,931.8	-711.8	3,580.5	3,538.8	41.78	85.702		
6,100.0	6,036.2	5,435.0	5,374.0	25.0	22.0	134.49	2,948.2	-714.2	3,609.0	3,566.5	42.53	84.867		
6,200.0	6,134.9	5,530.3	5,467.9	25.4	22.5	134.65	2,964.6	-716.6	3,637.6	3,594.3	43.27	84.061		
6,300.0	6,233.6	5,625.7	5,561.8	25.9	22.9	134.81	2,981.0	-719.0	3,666.1	3,622.1	44.02	83.283		
6,400.0	6,332.3	5,721.0	5,655.7	26.3	23.3	134.96	2,997.4	-721.4	3,694.7	3,650.0	44.77	82.531		
6,500.0	6,431.0	5,816.4	5,749.6	26.8	23.7	135.12	3,013.7	-723.8	3,723.4	3,677.8	45.52	81.805		
6,600.0	6,529.6	5,911.7	5,843.5	27.2	24.2	135.26	3,030.1	-726.2	3,752.0	3,705.7	46.26	81.102		
6,700.0	6,628.3	6,007.1	5,937.4	27.6	24.6	135.41	3,046.5	-728.6	3,780.7	3,733.6	47.01	80.422		
6,800.0	6,727.0	6,102.4	6,031.3	28.1	25.0	135.56	3,062.9	-731.0	3,809.3	3,761.6	47.76	79.764		
6,900.0	6,825.7	6,197.8	6,125.2	28.5	25.4	135.70	3,079.3	-733.4	3,838.0	3,789.5	48.50	79.127		
7,000.0	6,924.4	6,293.0	6,219.9	29.0	25.8	135.84	3,095.7	-735.8	3,866.3	3,814.0	49.24	78.489		
7,100.0	7,023.1	6,388.3	6,315.2	29.4	26.2	135.97	3,112.0	-738.2	3,894.6	3,842.6	50.00	77.850		
7,200.0	7,121.8	6,483.2	6,409.9	29.9	26.6	136.10	3,128.3	-740.6	3,922.9	3,870.9	50.75	77.211		
7,300.0	7,220.4	6,578.1	6,504.6	30.3	27.0	136.23	3,144.6	-743.0	3,951.2	3,900.0	51.50	76.572		
7,400.0	7,319.1	6,673.0	6,599.3	30.7	27.4	136.36	3,160.9	-745.4	3,979.5	3,928.3	52.25	75.933		
7,466.5	7,384.7	6,747.2	6,673.0	31.0	27.7	136.48	3,168.3	-747.8	3,987.9	3,936.7	52.50	75.688		
7,500.0	7,417.8	6,780.1	6,705.7	31.2	27.9	136.59	3,173.8	-749.2	3,993.4	3,942.2	52.63	75.563		
7,600.0	7,516.9	6,875.0	6,800.6	31.6	28.3	136.71	3,180.2	-751.6	4,000.0	3,950.0	52.88	75.318		
7,700.0	7,616.2	6,969.9	6,895.5	32.0	28.7	136.83	3,186.6	-754.0	4,006.4	3,956.4	53.13	75.073		
7,800.0	7,715.8	7,064.8	6,990.4	32.4	29.1	136.95	3,193.0	-756.4	4,012.8	3,962.8	53.38	74.828		
7,900.0	7,815.6	7,159.7	7,085.3	32.8	29.5	137.07	3,199.4	-758.8	4,019.2	3,969.2	53.63	74.583		
8,000.0	7,915.5	7,254.6	7,180.2	33.1	29.9	137.19	3,205.8	-761.2	4,025.6	3,975.6	53.88	74.338		
8,086.5	8,002.0	7,349.5	7,275.1	33.3	30.1	137.30	3,212.2	-763.6	4,032.0	3,982.0	54.13	74.093		
8,100.0	8,015.5	7,362.8	7,288.4	33.4	30.2	137.34	3,214.6	-764.4	4,034.2	3,984.2	54.18	74.048		
8,150.0	8,065.4	7,412.7	7,338.3	33.5	30.3	137.38	3,217.0	-765.2	4,036.4	3,986.4	54.23	73.999		
8,200.0	8,114.8	7,462.6	7,388.2	33.6	30.4	137.42	3,219.4	-766.0	4,038.6	3,988.6	54.28	73.950		
8,250.0	8,163.3	7,512.5	7,438.1	33.7	30.5	137.46	3,221.8	-766.8	4,040.8	3,990.8	54.33	73.901		
8,300.0	8,210.6	7,562.4	7,488.0	33.8	30.6	137.50	3,224.2	-767.6	4,043.0	3,993.0	54.38	73.852		
8,350.0	8,256.3	7,612.3	7,537.9	33.8	30.7	137.54	3,226.6	-768.4	4,045.2	3,995.2	54.43	73.803		
8,400.0	8,300.1	7,662.2	7,587.8	33.9	30.8	137.58	3,229.0	-769.2	4,047.4	3,997.4	54.48	73.754		
8,450.0	8,341.6	7,712.1	7,637.7	33.9	30.9	137.62	3,231.4	-770.0	4,049.6	3,999.6	54.53	73.705		
8,500.0	8,380.6	7,762.0	7,687.6	33.9	31.0	137.66	3,233.8	-770.8	4,051.8	4,001.8	54.58	73.656		
8,550.0	8,416.6	7,811.9	7,737.5	33.9	31.1	137.70	3,236.2	-771.6	4,054.0	4,004.0	54.63	73.607		
8,600.0	8,449.5	7,861.8	7,787.4	33.9	31.2	137.74	3,238.6	-772.4	4,056.2	4,006.2	54.68	73.558		
8,650.0	8,479.0	7,911.7	7,837.3	33.9	31.3	137.78	3,241.0	-773.2	4,058.4	4,008.4	54.73	73.509		
8,700.0	8,504.8	7,961.6	7,887.2	33.9	31.4	137.82	3,243.4	-774.0	4,060.6	4,010.6	54.78	73.460		
8,750.0	8,526.9	7,999.9	7,919.3	33.8	31.5	137.86	3,245.8	-774.8	4,062.8	4,012.8	54.83	73.411		
8,800.0	8,544.9	8,049.8	7,969.2	33.8	31.6	137.90	3,248.2	-775.6	4,065.0	4,015.0	54.88	73.362		
8,850.0	8,558.8	8,099.7	8,019.1	33.8	31.7	137.94	3,250.6	-776.4	4,067.2	4,017.2	54.93	73.313		
8,900.0	8,568.4	8,149.6	8,069.0	33.7	31.8	137.98	3,253.0	-777.2	4,069.4	4,019.4	54.98	73.264		
8,950.0	8,573.8	8,199.5	8,073.9	33.7	31.9	138.02	3,255.4	-778.0	4,071.6	4,021.6	55.03	73.215		
8,986.5	8,575.0	8,249.4	8,075.1	33.7	32.0	138.06	3,257.8	-778.8	4,073.8	4,023.8	55.08	73.166		
8,993.2	8,575.0	8,254.3	8,075.1	33.8	32.1	138.10	3,258.3	-779.2	4,074.3	4,024.3	55.09	73.161		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
9,000.0	8,575.0	7,857.1	7,368.3	33.8	31.2	-73.56	3,155.3	-85.5	4,128.4	4,067.6	60.79	67.910		
9,100.0	8,575.0	7,957.1	7,370.7	33.9	32.2	-73.59	3,155.4	14.4	4,127.7	4,065.2	62.53	66.013		
9,200.0	8,575.0	8,057.1	7,373.2	34.4	33.4	-73.62	3,155.5	114.4	4,127.0	4,062.5	64.56	63.922		
9,300.0	8,575.0	8,157.0	7,375.7	35.3	34.8	-73.65	3,155.6	214.3	4,126.3	4,059.5	66.87	61.708		
9,400.0	8,575.0	8,257.0	7,378.2	36.3	36.3	-73.69	3,155.8	314.3	4,125.6	4,056.2	69.42	59.430		
9,500.0	8,575.0	8,357.0	7,380.7	37.6	37.9	-73.72	3,155.9	414.2	4,125.0	4,052.8	72.19	57.138		
9,600.0	8,575.0	8,457.0	7,383.1	38.9	39.6	-73.75	3,156.0	514.1	4,124.3	4,049.1	75.16	54.872		
9,700.0	8,575.0	8,556.9	7,385.6	40.4	41.4	-73.79	3,156.1	614.1	4,123.6	4,045.3	78.31	52.660		
9,800.0	8,575.0	8,656.9	7,388.1	41.9	43.3	-73.82	3,156.2	714.0	4,122.9	4,041.3	81.60	50.523		
9,900.0	8,575.0	8,756.9	7,390.6	43.6	45.2	-73.85	3,156.4	813.9	4,122.2	4,037.2	85.04	48.472		
10,000.0	8,575.0	8,856.8	7,393.1	45.3	47.1	-73.89	3,156.5	913.9	4,121.5	4,032.9	88.60	46.517		
10,100.0	8,575.0	8,956.8	7,395.5	47.0	49.1	-73.92	3,156.6	1,013.8	4,120.8	4,028.6	92.27	44.660		
10,200.0	8,575.0	9,056.8	7,398.0	48.9	51.2	-73.95	3,156.7	1,113.8	4,120.2	4,024.1	96.04	42.903		
10,300.0	8,575.0	9,156.7	7,400.5	50.8	53.2	-73.99	3,156.8	1,213.7	4,119.5	4,019.6	99.89	41.242		
10,400.0	8,575.0	9,256.7	7,403.0	52.7	55.3	-74.02	3,157.0	1,313.6	4,118.8	4,015.0	103.81	39.676		
10,500.0	8,575.0	9,356.7	7,405.5	54.7	57.5	-74.05	3,157.1	1,413.6	4,118.1	4,010.3	107.81	38.199		
10,600.0	8,575.0	9,456.6	7,407.9	56.7	59.6	-74.09	3,157.2	1,513.5	4,117.4	4,005.6	111.86	36.808		
10,700.0	8,575.0	9,556.6	7,410.4	58.7	61.8	-74.12	3,157.3	1,613.5	4,116.8	4,000.8	115.97	35.498		
10,800.0	8,575.0	9,656.6	7,412.9	60.8	64.0	-74.15	3,157.4	1,713.4	4,116.1	3,996.0	120.13	34.263		
10,900.0	8,575.0	9,756.6	7,415.4	62.9	66.2	-74.18	3,157.6	1,813.3	4,115.4	3,991.1	124.34	33.099		
11,000.0	8,575.0	9,856.5	7,417.9	65.0	68.5	-74.22	3,157.7	1,913.3	4,114.8	3,986.2	128.58	32.001		
11,100.0	8,575.0	9,956.5	7,420.3	67.1	70.7	-74.25	3,157.8	2,013.2	4,114.1	3,981.2	132.86	30.965		
11,200.0	8,575.0	10,056.5	7,422.8	69.3	73.0	-74.28	3,157.9	2,113.1	4,113.4	3,976.2	137.18	29.986		
11,300.0	8,575.0	10,156.4	7,425.3	71.5	75.2	-74.32	3,158.1	2,213.1	4,112.8	3,971.2	141.52	29.061		
11,400.0	8,575.0	10,256.4	7,427.8	73.7	77.5	-74.35	3,158.2	2,313.0	4,112.1	3,966.2	145.89	28.185		
11,500.0	8,575.0	10,356.4	7,430.3	75.9	79.8	-74.38	3,158.3	2,413.0	4,111.4	3,961.1	150.29	27.356		
11,600.0	8,575.0	10,456.3	7,432.7	78.2	82.1	-74.42	3,158.4	2,512.9	4,110.8	3,956.1	154.71	26.570		
11,700.0	8,575.0	10,556.3	7,435.2	80.4	84.4	-74.45	3,158.5	2,612.8	4,110.1	3,951.0	159.16	25.824		
11,800.0	8,575.0	10,656.3	7,437.7	82.7	86.8	-74.48	3,158.7	2,712.8	4,109.4	3,945.8	163.62	25.116		
11,900.0	8,575.0	10,756.2	7,440.2	84.9	89.1	-74.52	3,158.8	2,812.7	4,108.8	3,940.7	168.10	24.443		
12,000.0	8,575.0	10,856.2	7,442.7	87.2	91.4	-74.55	3,158.9	2,912.7	4,108.1	3,935.5	172.60	23.802		
12,100.0	8,575.0	10,956.2	7,445.2	89.5	93.8	-74.58	3,159.0	3,012.6	4,107.5	3,930.4	177.11	23.191		
12,200.0	8,575.0	11,056.2	7,447.6	91.8	96.1	-74.62	3,159.1	3,112.5	4,106.8	3,925.2	181.64	22.610		
12,300.0	8,575.0	11,156.1	7,450.1	94.1	98.5	-74.65	3,159.3	3,212.5	4,106.2	3,920.0	186.18	22.055		
12,400.0	8,575.0	11,256.1	7,452.6	96.4	100.8	-74.68	3,159.4	3,312.4	4,105.5	3,914.8	190.74	21.524		
12,500.0	8,575.0	11,356.1	7,455.1	98.7	103.2	-74.72	3,159.5	3,412.3	4,104.9	3,909.6	195.31	21.018		
12,600.0	8,575.0	11,456.0	7,457.6	101.0	105.5	-74.75	3,159.6	3,512.3	4,104.2	3,904.3	199.88	20.533		
12,700.0	8,575.0	11,556.0	7,460.0	103.4	107.9	-74.78	3,159.7	3,612.2	4,103.6	3,899.1	204.47	20.069		
12,800.0	8,575.0	11,656.0	7,462.5	105.7	110.3	-74.82	3,159.9	3,712.2	4,102.9	3,893.9	209.07	19.624		
12,900.0	8,575.0	11,755.9	7,465.0	108.0	112.7	-74.85	3,160.0	3,812.1	4,102.3	3,888.6	213.68	19.198		
13,000.0	8,575.0	11,855.9	7,467.5	110.4	115.0	-74.89	3,160.1	3,912.0	4,101.6	3,883.3	218.30	18.789		
13,100.0	8,575.0	11,955.9	7,470.0	112.7	117.4	-74.92	3,160.2	4,012.0	4,101.0	3,878.1	222.93	18.396		
13,200.0	8,575.0	12,055.8	7,472.4	115.1	119.8	-74.95	3,160.3	4,111.9	4,100.4	3,872.8	227.56	18.019		
13,300.0	8,575.0	12,155.8	7,474.9	117.5	122.2	-74.99	3,160.5	4,211.9	4,099.7	3,867.5	232.20	17.656		
13,400.0	8,575.0	12,255.8	7,477.4	119.8	124.6	-75.02	3,160.6	4,311.8	4,099.1	3,862.2	236.85	17.307		
13,500.0	8,575.0	12,355.8	7,479.9	122.2	127.0	-75.05	3,160.7	4,411.7	4,098.5	3,857.0	241.51	16.970		
13,600.0	8,575.0	12,455.7	7,482.4	124.6	129.4	-75.09	3,160.8	4,511.7	4,097.8	3,851.7	246.17	16.646		
13,700.0	8,575.0	12,555.7	7,484.8	126.9	131.8	-75.12	3,161.0	4,611.6	4,097.2	3,846.4	250.84	16.334		
13,800.0	8,575.0	12,655.7	7,487.3	129.3	134.2	-75.15	3,161.1	4,711.5	4,096.6	3,841.0	255.51	16.033		
13,900.0	8,575.0	12,755.6	7,489.8	131.7	136.6	-75.19	3,161.2	4,811.5	4,095.9	3,835.7	260.20	15.742		
14,000.0	8,575.0	12,855.6	7,492.3	134.1	139.0	-75.22	3,161.3	4,911.4	4,095.3	3,830.4	264.88	15.461		
14,100.0	8,575.0	12,955.6	7,494.8	136.4	141.4	-75.25	3,161.4	5,011.4	4,094.7	3,825.1	269.57	15.189		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,200.0	8,575.0	13,055.5	7,497.2	138.8	143.8	-75.29	3,161.6	5,111.3	4,094.1	3,819.8	274.27	14.927		
14,300.0	8,575.0	13,155.5	7,499.7	141.2	146.2	-75.32	3,161.7	5,211.2	4,093.4	3,814.5	278.97	14.673		
14,400.0	8,575.0	13,255.5	7,502.2	143.6	148.6	-75.35	3,161.8	5,311.2	4,092.8	3,809.1	283.68	14.428		
14,500.0	8,575.0	13,355.4	7,504.7	146.0	151.0	-75.39	3,161.9	5,411.1	4,092.2	3,803.8	288.39	14.190		
14,600.0	8,575.0	13,455.4	7,507.2	148.4	153.4	-75.42	3,162.0	5,511.1	4,091.6	3,798.5	293.10	13.959		
14,700.0	8,575.0	13,555.4	7,509.6	150.8	155.8	-75.46	3,162.2	5,611.0	4,090.9	3,793.1	297.82	13.736		
14,800.0	8,575.0	13,655.4	7,512.1	153.2	158.3	-75.49	3,162.3	5,710.9	4,090.3	3,787.8	302.55	13.520		
14,900.0	8,575.0	13,755.3	7,514.6	155.6	160.7	-75.52	3,162.4	5,810.9	4,089.7	3,782.4	307.27	13.310		
15,000.0	8,575.0	13,855.3	7,517.1	158.0	163.1	-75.56	3,162.5	5,910.8	4,089.1	3,777.1	312.00	13.106		
15,100.0	8,575.0	13,955.3	7,519.6	160.4	165.5	-75.59	3,162.6	6,010.7	4,088.5	3,771.8	316.74	12.908		
15,200.0	8,575.0	14,055.2	7,522.0	162.8	167.9	-75.62	3,162.8	6,110.7	4,087.9	3,766.4	321.48	12.716		
15,300.0	8,575.0	14,155.2	7,524.5	165.2	170.4	-75.66	3,162.9	6,210.6	4,087.3	3,761.1	326.22	12.529		
15,400.0	8,575.0	14,255.2	7,527.0	167.6	172.8	-75.69	3,163.0	6,310.6	4,086.7	3,755.7	330.96	12.348		
15,500.0	8,575.0	14,355.1	7,529.5	170.0	175.2	-75.73	3,163.1	6,410.5	4,086.1	3,750.3	335.71	12.171		
15,600.0	8,575.0	14,455.1	7,532.0	172.5	177.6	-75.76	3,163.2	6,510.4	4,085.4	3,745.0	340.46	12.000		
15,700.0	8,575.0	14,555.1	7,534.4	174.9	180.0	-75.79	3,163.4	6,610.4	4,084.8	3,739.6	345.22	11.833		
15,800.0	8,575.0	14,655.0	7,536.9	177.3	182.5	-75.83	3,163.5	6,710.3	4,084.2	3,734.3	349.97	11.670		
15,900.0	8,575.0	14,755.0	7,539.4	179.7	184.9	-75.86	3,163.6	6,810.3	4,083.6	3,728.9	354.73	11.512		
16,000.0	8,575.0	14,855.0	7,541.9	182.1	187.3	-75.89	3,163.7	6,910.2	4,083.0	3,723.5	359.50	11.358		
16,100.0	8,575.0	14,955.0	7,544.4	184.5	189.7	-75.93	3,163.8	7,010.1	4,082.4	3,718.2	364.26	11.207		
16,200.0	8,575.0	15,054.9	7,546.8	187.0	192.2	-75.96	3,164.0	7,110.1	4,081.8	3,712.8	369.03	11.061		
16,300.0	8,575.0	15,154.9	7,549.3	189.4	194.6	-76.00	3,164.1	7,210.0	4,081.2	3,707.4	373.80	10.918		
16,400.0	8,575.0	15,254.9	7,551.8	191.8	197.0	-76.03	3,164.2	7,309.9	4,080.7	3,702.1	378.58	10.779		
16,500.0	8,575.0	15,354.8	7,554.3	194.2	199.5	-76.06	3,164.3	7,409.9	4,080.1	3,696.7	383.35	10.643		
16,600.0	8,575.0	15,454.8	7,556.8	196.6	201.9	-76.10	3,164.5	7,509.8	4,079.5	3,691.3	388.13	10.510		
16,700.0	8,575.0	15,554.8	7,559.2	199.1	204.3	-76.13	3,164.6	7,609.8	4,078.9	3,686.0	392.91	10.381		
16,800.0	8,575.0	15,654.7	7,561.7	201.5	206.8	-76.16	3,164.7	7,709.7	4,078.3	3,680.6	397.70	10.255		
16,900.0	8,575.0	15,754.7	7,564.2	203.9	209.2	-76.20	3,164.8	7,809.6	4,077.7	3,675.2	402.48	10.131		
17,000.0	8,575.0	15,854.7	7,566.7	206.3	211.6	-76.23	3,164.9	7,909.6	4,077.1	3,669.8	407.27	10.011		
17,100.0	8,575.0	15,954.6	7,569.2	208.8	214.1	-76.27	3,165.1	8,009.5	4,076.5	3,664.5	412.06	9.893		
17,200.0	8,575.0	16,054.6	7,571.6	211.2	216.5	-76.30	3,165.2	8,109.5	4,076.0	3,659.1	416.86	9.778		
17,300.0	8,575.0	16,154.6	7,574.1	213.6	218.9	-76.33	3,165.3	8,209.4	4,075.4	3,653.7	421.65	9.665		
17,400.0	8,575.0	16,254.6	7,576.6	216.0	221.4	-76.37	3,165.4	8,309.3	4,074.8	3,648.3	426.45	9.555		
17,500.0	8,575.0	16,354.5	7,579.1	218.5	223.8	-76.40	3,165.5	8,409.3	4,074.2	3,643.0	431.25	9.448		
17,600.0	8,575.0	16,454.5	7,581.6	220.9	226.2	-76.44	3,165.7	8,509.2	4,073.6	3,637.6	436.05	9.342		
17,700.0	8,575.0	16,554.5	7,584.0	223.3	228.7	-76.47	3,165.8	8,609.1	4,073.1	3,632.2	440.85	9.239		
17,800.0	8,575.0	16,654.4	7,586.5	225.8	231.1	-76.50	3,165.9	8,709.1	4,072.5	3,626.8	445.66	9.138		
17,900.0	8,575.0	16,754.4	7,589.0	228.2	233.5	-76.54	3,166.0	8,809.0	4,071.9	3,621.5	450.46	9.039		
18,000.0	8,575.0	16,854.4	7,591.5	230.6	236.0	-76.57	3,166.1	8,909.0	4,071.3	3,616.1	455.27	8.943		
18,100.0	8,575.0	16,954.3	7,594.0	233.0	238.4	-76.61	3,166.3	9,008.9	4,070.8	3,610.7	460.08	8.848		
18,200.0	8,575.0	17,054.3	7,596.4	235.5	240.8	-76.64	3,166.4	9,108.8	4,070.2	3,605.3	464.90	8.755		
18,300.0	8,575.0	17,154.3	7,598.9	237.9	243.3	-76.67	3,166.5	9,208.8	4,069.6	3,599.9	469.71	8.664		
18,400.0	8,575.0	17,254.2	7,601.4	240.3	245.7	-76.71	3,166.6	9,308.7	4,069.1	3,594.5	474.53	8.575		
18,500.0	8,575.0	17,354.2	7,603.9	242.8	248.2	-76.74	3,166.7	9,408.6	4,068.5	3,589.2	479.34	8.488		
18,600.0	8,575.0	17,454.2	7,606.4	245.2	250.6	-76.78	3,166.9	9,508.6	4,067.9	3,583.8	484.16	8.402		
18,700.0	8,575.0	17,554.2	7,608.9	247.6	253.0	-76.81	3,167.0	9,608.5	4,067.4	3,578.4	488.99	8.318		
18,800.0	8,575.0	17,654.1	7,611.3	250.1	255.5	-76.84	3,167.1	9,708.5	4,066.8	3,573.0	493.81	8.236		
18,900.0	8,575.0	17,754.1	7,613.8	252.5	257.9	-76.88	3,167.2	9,808.4	4,066.3	3,567.6	498.63	8.155		
19,000.0	8,575.0	17,854.1	7,616.3	255.0	260.4	-76.91	3,167.3	9,908.3	4,065.7	3,562.2	503.46	8.076		
19,100.0	8,575.0	17,954.0	7,618.8	257.4	262.8	-76.95	3,167.5	10,008.3	4,065.2	3,556.9	508.29	7.998		
19,200.0	8,575.0	18,054.0	7,621.3	259.8	265.2	-76.98	3,167.6	10,108.2	4,064.6	3,551.5	513.12	7.921		
19,300.0	8,575.0	18,154.0	7,623.7	262.3	267.7	-77.01	3,167.7	10,208.2	4,064.0	3,546.1	517.95	7.846		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design Simon Camamile Fed Com - Simon Camamile Fed Com #113H - BLM Plan #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	
19,400.0	8,575.0	18,253.9	7,626.2	264.7	270.1	-77.05	3,167.8	10,308.1	4,063.5	3,540.7	522.78	7.773	
19,500.0	8,575.0	18,353.9	7,628.7	267.1	272.6	-77.08	3,168.0	10,408.0	4,062.9	3,535.3	527.62	7.701	
19,600.0	8,575.0	18,453.9	7,631.2	269.6	275.0	-77.12	3,168.1	10,508.0	4,062.4	3,529.9	532.45	7.630	
19,700.0	8,575.0	18,553.8	7,633.7	272.0	277.4	-77.15	3,168.2	10,607.9	4,061.9	3,524.6	537.29	7.560	
19,800.0	8,575.0	18,653.8	7,636.1	274.5	279.9	-77.18	3,168.3	10,707.8	4,061.3	3,519.2	542.13	7.491	
19,900.0	8,575.0	18,753.8	7,638.6	276.9	282.3	-77.22	3,168.4	10,807.8	4,060.8	3,513.8	546.97	7.424	
20,000.0	8,575.0	18,853.8	7,641.1	279.3	284.8	-77.25	3,168.6	10,907.7	4,060.2	3,508.4	551.81	7.358	
20,100.0	8,575.0	18,953.7	7,643.6	281.8	287.2	-77.29	3,168.7	11,007.7	4,059.7	3,503.0	556.66	7.293	
20,200.0	8,575.0	19,053.7	7,646.1	284.2	289.7	-77.32	3,168.8	11,107.6	4,059.1	3,497.6	561.50	7.229	
20,300.0	8,575.0	19,153.7	7,648.5	286.6	292.1	-77.35	3,168.9	11,207.5	4,058.6	3,492.3	566.35	7.166	
20,400.0	8,575.0	19,253.6	7,651.0	289.1	294.5	-77.39	3,169.0	11,307.5	4,058.1	3,486.9	571.20	7.105	
20,500.0	8,575.0	19,353.6	7,653.5	291.5	297.0	-77.42	3,169.2	11,407.4	4,057.5	3,481.5	576.04	7.044	
20,600.0	8,575.0	19,453.6	7,656.0	294.0	299.4	-77.46	3,169.3	11,507.4	4,057.0	3,476.1	580.90	6.984	
20,700.0	8,575.0	19,553.5	7,658.5	296.4	301.9	-77.49	3,169.4	11,607.3	4,056.5	3,470.7	585.75	6.925	
20,800.0	8,575.0	19,653.5	7,660.9	298.9	304.3	-77.53	3,169.5	11,707.2	4,055.9	3,465.3	590.60	6.867	
20,900.0	8,575.0	19,753.5	7,663.4	301.3	306.8	-77.56	3,169.6	11,807.2	4,055.4	3,459.9	595.45	6.811	
21,000.0	8,575.0	19,853.4	7,665.9	303.7	309.2	-77.59	3,169.8	11,907.1	4,054.9	3,454.6	600.31	6.755	
21,100.0	8,575.0	19,953.4	7,668.4	306.2	311.7	-77.63	3,169.9	12,007.0	4,054.3	3,449.2	605.17	6.700	
21,200.0	8,575.0	20,039.0	7,670.5	308.6	313.7	-77.66	3,170.0	12,092.6	4,053.8	3,444.2	609.69	6.649	
21,206.8	8,575.0	20,039.0	7,670.5	308.8	313.7	-77.66	3,170.0	12,092.6	4,053.8	3,444.0	609.85	6.647	
21,213.6	8,575.0	20,039.0	7,670.5	309.0	313.7	-77.66	3,170.0	12,092.6	4,053.8	3,443.8	610.02	6.645 SF	

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	0.0	0.0	0.0	0.0	-14.99	2,169.5	-580.8	2,246.2					
100.0	100.0	62.0	62.0	0.1	0.1	-14.99	2,169.5	-580.8	2,245.9	2,245.7	0.21	N/A		
200.0	200.0	162.0	162.0	0.5	0.4	-14.99	2,169.5	-580.8	2,245.9	2,245.1	0.84	2,683.162		
300.0	300.0	262.0	262.0	0.8	0.7	-14.99	2,169.5	-580.8	2,245.9	2,244.3	1.55	1,445.256		
400.0	400.0	362.0	362.0	1.2	1.1	-14.99	2,169.5	-580.8	2,245.9	2,243.6	2.27	988.979		
500.0	500.0	462.0	462.0	1.6	1.4	-14.99	2,169.5	-580.8	2,245.9	2,242.9	2.99	751.672		
600.0	600.0	562.0	562.0	1.9	1.8	-14.99	2,169.5	-580.8	2,245.9	2,242.2	3.70	606.210		
700.0	700.0	662.0	662.0	2.3	2.1	-14.99	2,169.5	-580.8	2,245.9	2,241.5	4.42	507.919		
800.0	800.0	762.0	762.0	2.6	2.5	-14.99	2,169.5	-580.8	2,245.9	2,240.8	5.14	437.055		
900.0	900.0	862.0	862.0	3.0	2.9	-14.99	2,169.5	-580.8	2,245.9	2,240.0	5.86	383.544		
1,000.0	1,000.0	962.0	962.0	3.4	3.2	-14.99	2,169.5	-580.8	2,245.9	2,239.3	6.57	341.706 CC		
1,100.0	1,100.0	1,062.0	1,062.0	3.7	3.6	124.22	2,169.5	-580.8	2,247.1	2,239.8	7.27	308.916		
1,200.0	1,199.7	1,161.7	1,161.7	4.0	3.9	124.28	2,169.5	-580.8	2,250.8	2,242.8	7.97	282.557		
1,300.0	1,299.1	1,261.1	1,261.1	4.4	4.3	124.38	2,169.5	-580.8	2,257.0	2,248.3	8.67	260.469		
1,372.0	1,370.4	1,332.4	1,332.4	4.6	4.5	124.48	2,169.5	-580.8	2,263.0	2,253.8	9.17	246.656		
1,400.0	1,398.0	1,360.0	1,360.0	4.7	4.6	124.57	2,169.5	-580.8	2,265.5	2,256.2	9.37	241.677		
1,500.0	1,496.7	1,458.7	1,458.7	5.1	5.0	124.90	2,169.5	-580.8	2,274.8	2,264.7	10.09	225.439		
1,600.0	1,595.4	1,557.4	1,557.4	5.5	5.4	125.23	2,169.5	-580.8	2,284.2	2,273.4	10.82	211.205		
1,700.0	1,694.1	1,656.1	1,656.1	5.9	5.7	125.56	2,169.5	-580.8	2,293.6	2,282.1	11.55	198.655		
1,800.0	1,792.7	1,754.7	1,754.7	6.3	6.1	125.88	2,169.5	-580.8	2,303.2	2,290.9	12.28	187.530		
1,900.0	1,891.4	1,853.4	1,853.4	6.7	6.4	126.20	2,169.5	-580.8	2,312.8	2,299.7	13.02	177.613		
2,000.0	1,990.1	1,952.1	1,952.1	7.1	6.8	126.52	2,169.5	-580.8	2,322.4	2,308.7	13.76	168.729		
2,100.0	2,088.8	2,076.0	2,076.0	7.5	7.2	126.91	2,169.0	-581.0	2,331.9	2,317.3	14.59	159.839		
2,200.0	2,187.5	2,224.5	2,224.4	7.9	7.7	127.33	2,165.4	-582.6	2,339.6	2,324.1	15.47	151.213		
2,300.0	2,286.2	2,373.9	2,373.6	8.3	8.2	127.69	2,158.3	-585.7	2,345.2	2,328.8	16.36	143.380		
2,400.0	2,384.9	2,523.9	2,523.2	8.8	8.7	127.99	2,147.5	-590.4	2,348.7	2,331.5	17.25	136.195		
2,500.0	2,483.5	2,674.5	2,672.9	9.2	9.2	128.25	2,133.1	-596.6	2,350.1	2,332.0	18.14	129.578		
2,600.0	2,582.2	2,816.8	2,814.0	9.6	9.7	128.43	2,116.2	-603.9	2,349.4	2,330.4	19.01	123.618		
2,700.0	2,680.9	2,916.7	2,912.9	10.1	10.1	128.55	2,103.4	-609.5	2,348.0	2,328.2	19.76	118.844		
2,800.0	2,779.6	3,016.5	3,011.8	10.5	10.4	128.67	2,090.7	-615.0	2,346.5	2,326.0	20.51	114.400		
2,900.0	2,878.3	3,116.4	3,110.7	10.9	10.8	128.79	2,077.9	-620.5	2,345.1	2,323.8	21.27	110.256		
3,000.0	2,977.0	3,216.3	3,209.6	11.3	11.2	128.91	2,065.2	-626.0	2,343.7	2,321.6	22.03	106.383		
3,100.0	3,075.7	3,316.1	3,308.5	11.8	11.5	129.03	2,052.4	-631.6	2,342.2	2,319.4	22.79	102.757		
3,200.0	3,174.3	3,416.0	3,407.4	12.2	11.9	129.14	2,039.7	-637.1	2,340.8	2,317.3	23.56	99.357		
3,300.0	3,273.0	3,515.9	3,506.3	12.6	12.3	129.26	2,026.9	-642.6	2,339.4	2,315.1	24.33	96.164		
3,400.0	3,371.7	3,615.8	3,605.2	13.1	12.7	129.38	2,014.1	-648.1	2,338.1	2,313.0	25.10	93.161		
3,500.0	3,470.4	3,715.6	3,704.1	13.5	13.1	129.50	2,001.4	-653.7	2,336.7	2,310.8	25.87	90.330		
3,600.0	3,569.1	3,815.5	3,803.0	14.0	13.5	129.62	1,988.6	-659.2	2,335.3	2,308.7	26.64	87.660		
3,700.0	3,667.8	3,915.4	3,901.9	14.4	13.9	129.74	1,975.9	-664.7	2,334.0	2,306.6	27.41	85.136		
3,800.0	3,766.5	4,015.2	4,000.8	14.8	14.2	129.86	1,963.1	-670.3	2,332.6	2,304.4	28.19	82.748		
3,900.0	3,865.1	4,115.1	4,099.7	15.3	14.6	129.98	1,950.4	-675.8	2,331.3	2,302.3	28.97	80.485		
4,000.0	3,963.8	4,215.0	4,198.6	15.7	15.0	130.10	1,937.6	-681.3	2,330.0	2,300.2	29.74	78.339		
4,100.0	4,062.5	4,314.9	4,297.5	16.1	15.4	130.22	1,924.9	-686.8	2,328.7	2,298.1	30.52	76.300		
4,200.0	4,161.2	4,414.7	4,396.4	16.6	15.8	130.34	1,912.1	-692.4	2,327.4	2,296.1	31.30	74.362		
4,300.0	4,259.9	4,514.6	4,495.3	17.0	16.2	130.46	1,899.4	-697.9	2,326.1	2,294.0	32.08	72.516		
4,400.0	4,358.6	4,614.5	4,594.2	17.5	16.6	130.58	1,886.6	-703.4	2,324.8	2,291.9	32.86	70.757		
4,500.0	4,457.3	4,714.3	4,693.1	17.9	17.0	130.70	1,873.9	-708.9	2,323.5	2,289.9	33.64	69.079		
4,600.0	4,555.9	4,795.5	4,773.5	18.3	17.4	130.80	1,863.6	-713.4	2,322.5	2,288.1	34.36	67.597		
4,630.6	4,586.1	4,815.7	4,793.5	18.5	17.5	130.83	1,861.3	-714.4	2,322.4	2,287.8	34.56	67.194		
4,700.0	4,654.6	4,861.4	4,838.9	18.8	17.6	130.90	1,856.3	-716.5	2,322.8	2,287.7	35.02	66.320		
4,800.0	4,753.3	4,927.1	4,904.3	19.2	17.9	131.01	1,850.0	-719.3	2,324.5	2,288.8	35.68	65.150		
4,900.0	4,852.0	5,000.0	4,976.9	19.7	18.2	131.15	1,844.3	-721.7	2,327.8	2,291.4	36.35	64.036		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
5,000.0	4,950.7	5,058.2	5,034.9	20.1	18.4	131.27	1,840.6	-723.3	2,332.5	2,295.5	36.96	63.114		
5,100.0	5,049.4	5,123.4	5,100.1	20.6	18.6	131.42	1,837.4	-724.7	2,338.7	2,301.1	37.58	62.238		
5,200.0	5,148.1	5,188.4	5,165.0	21.0	18.8	131.59	1,835.3	-725.6	2,346.4	2,308.2	38.18	61.450		
5,300.0	5,246.7	5,253.1	5,229.7	21.4	19.1	131.76	1,834.2	-726.1	2,355.6	2,316.9	38.78	60.750		
5,400.0	5,345.4	5,330.8	5,307.4	21.9	19.3	131.99	1,834.0	-726.2	2,366.2	2,326.8	39.41	60.037		
5,500.0	5,444.1	5,429.5	5,406.1	22.3	19.6	132.28	1,834.0	-726.2	2,377.1	2,337.0	40.14	59.223		
5,600.0	5,542.8	5,528.2	5,504.8	22.8	20.0	132.56	1,834.0	-726.2	2,388.1	2,347.3	40.87	58.438		
5,700.0	5,641.5	5,626.9	5,603.5	23.2	20.3	132.84	1,834.0	-726.2	2,399.2	2,357.6	41.59	57.683		
5,800.0	5,740.2	5,725.6	5,702.2	23.7	20.6	133.12	1,834.0	-726.2	2,410.3	2,367.9	42.32	56.954		
5,900.0	5,838.9	5,824.2	5,800.9	24.1	20.9	133.40	1,834.0	-726.2	2,421.4	2,378.4	43.05	56.250		
6,000.0	5,937.5	5,922.9	5,899.5	24.5	21.3	133.67	1,834.0	-726.2	2,432.6	2,388.8	43.77	55.571		
6,100.0	6,036.2	6,021.6	5,998.2	25.0	21.6	133.95	1,834.0	-726.2	2,443.9	2,399.4	44.50	54.915		
6,200.0	6,134.9	6,120.3	6,096.9	25.4	21.9	134.22	1,834.0	-726.2	2,455.2	2,410.0	45.23	54.282		
6,300.0	6,233.6	6,219.0	6,195.6	25.9	22.3	134.48	1,834.0	-726.2	2,466.6	2,420.6	45.96	53.669		
6,400.0	6,332.3	6,317.7	6,294.3	26.3	22.6	134.75	1,834.0	-726.2	2,478.0	2,431.3	46.69	53.076		
6,500.0	6,431.0	6,416.4	6,393.0	26.8	22.9	135.01	1,834.0	-726.2	2,489.5	2,442.1	47.42	52.503		
6,600.0	6,529.6	6,515.0	6,491.6	27.2	23.3	135.27	1,834.0	-726.2	2,501.0	2,452.9	48.14	51.948		
6,700.0	6,628.3	6,613.7	6,590.3	27.6	23.6	135.53	1,834.0	-726.2	2,512.6	2,463.7	48.87	51.410		
6,800.0	6,727.0	6,712.4	6,689.0	28.1	23.9	135.78	1,834.0	-726.2	2,524.2	2,474.6	49.60	50.889		
6,900.0	6,825.7	6,811.1	6,787.7	28.5	24.3	136.04	1,834.0	-726.2	2,535.9	2,485.6	50.33	50.385		
7,000.0	6,924.4	6,923.2	6,899.6	29.0	24.6	136.42	1,834.0	-721.6	2,547.5	2,496.4	51.10	49.849		
7,100.0	7,023.1	7,034.6	7,008.1	29.4	25.0	137.25	1,834.0	-697.0	2,558.6	2,506.8	51.80	49.389		
7,200.0	7,121.8	7,129.3	7,095.1	29.9	25.2	138.29	1,834.1	-659.9	2,569.9	2,517.5	52.39	49.052		
7,300.0	7,220.4	7,206.9	7,161.1	30.3	25.4	139.36	1,834.1	-619.1	2,582.2	2,529.3	52.89	48.822		
7,400.0	7,319.1	7,269.5	7,209.8	30.7	25.5	140.34	1,834.2	-580.0	2,596.4	2,543.1	53.32	48.692		
7,466.5	7,384.7	7,304.2	7,234.9	31.0	25.6	140.93	1,834.2	-556.1	2,607.0	2,553.5	53.57	48.665		
7,500.0	7,417.8	7,319.9	7,245.9	31.2	25.6	141.26	1,834.2	-544.7	2,612.7	2,559.0	53.69	48.666		
7,600.0	7,516.9	7,361.7	7,273.3	31.6	25.6	142.17	1,834.3	-513.2	2,630.2	2,576.2	53.98	48.724		
7,700.0	7,616.2	7,400.0	7,296.3	32.0	25.7	143.05	1,834.3	-482.6	2,648.5	2,594.2	54.21	48.854		
7,800.0	7,715.8	7,427.1	7,311.4	32.4	25.8	143.73	1,834.3	-460.1	2,667.7	2,613.3	54.34	49.091		
7,900.0	7,815.6	7,450.0	7,323.2	32.8	25.9	144.35	1,834.4	-440.5	2,687.9	2,633.5	54.39	49.423		
8,000.0	7,915.5	7,476.4	7,335.9	33.1	26.0	145.04	1,834.4	-417.4	2,709.2	2,654.8	54.40	49.799		
8,086.5	8,002.0	7,500.0	7,346.4	33.3	26.2	6.48	1,834.4	-396.2	2,728.4	2,674.1	54.36	50.189		
8,100.0	8,015.5	7,500.0	7,346.4	33.4	26.2	-83.00	1,834.4	-396.2	2,731.5	2,677.2	54.33	50.279		
8,150.0	8,065.4	7,500.0	7,346.4	33.5	26.2	-81.82	1,834.4	-396.2	2,743.1	2,688.9	54.18	50.634		
8,200.0	8,114.8	7,519.1	7,354.2	33.6	26.3	-80.29	1,834.4	-378.8	2,754.8	2,700.6	54.14	50.881		
8,250.0	8,163.3	7,531.4	7,358.9	33.7	26.4	-78.90	1,834.4	-367.4	2,766.5	2,712.4	54.04	51.194		
8,300.0	8,210.6	7,550.0	7,365.6	33.8	26.5	-77.44	1,834.5	-350.0	2,778.1	2,724.2	53.97	51.478		
8,350.0	8,256.3	7,550.0	7,365.6	33.8	26.5	-76.30	1,834.5	-350.0	2,789.5	2,735.8	53.75	51.898		
8,400.0	8,300.1	7,572.2	7,372.8	33.9	26.6	-74.89	1,834.5	-329.1	2,800.5	2,746.8	53.70	52.148		
8,450.0	8,341.6	7,600.0	7,380.7	33.9	26.8	-73.50	1,834.5	-302.4	2,811.2	2,757.5	53.70	52.353		
8,500.0	8,380.6	7,600.0	7,380.7	33.9	26.8	-72.53	1,834.5	-302.4	2,821.2	2,767.7	53.49	52.745		
8,550.0	8,416.6	7,617.2	7,384.9	33.9	27.0	-71.44	1,834.5	-285.7	2,830.6	2,777.1	53.43	52.972		
8,600.0	8,449.5	7,632.8	7,388.3	33.9	27.1	-70.47	1,834.6	-270.5	2,839.2	2,785.8	53.39	53.176		
8,650.0	8,479.0	7,650.0	7,391.6	33.9	27.2	-69.58	1,834.6	-253.6	2,847.0	2,793.6	53.39	53.323		
8,700.0	8,504.8	7,664.9	7,394.0	33.9	27.4	-68.83	1,834.6	-238.9	2,853.9	2,800.5	53.42	53.421		
8,750.0	8,526.9	7,681.2	7,396.2	33.8	27.5	-68.18	1,834.6	-222.8	2,859.8	2,806.3	53.51	53.445		
8,800.0	8,544.9	7,700.0	7,398.2	33.8	27.7	-67.63	1,834.6	-204.1	2,864.7	2,811.1	53.67	53.379		
8,850.0	8,558.8	7,714.3	7,399.3	33.8	27.8	-67.22	1,834.7	-189.9	2,868.6	2,814.7	53.85	53.268		
8,900.0	8,568.4	7,737.5	7,400.3	33.7	28.0	-66.91	1,834.7	-166.6	2,871.3	2,817.2	54.17	53.010		
8,950.0	8,573.8	7,767.7	7,401.0	33.7	28.3	-66.74	1,834.7	-136.4	2,872.8	2,818.2	54.61	52.601		
8,986.5	8,575.0	7,804.2	7,401.9	33.7	28.7	-66.73	1,834.8	-99.9	2,872.8	2,817.7	55.12	52.124		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
8,993.2	8,575.0	7,810.9	7,402.0	33.8	28.8	-66.73	1,834.8	-93.2	2,872.8	2,817.6	55.22	52.025		
9,000.0	8,575.0	7,817.8	7,402.2	33.8	28.9	-66.73	1,834.8	-86.4	2,872.7	2,817.4	55.33	51.924		
9,100.0	8,575.0	7,917.7	7,404.5	33.9	30.0	-66.77	1,834.9	13.5	2,871.8	2,814.8	57.00	50.386		
9,200.0	8,575.0	8,017.7	7,406.9	34.4	31.4	-66.82	1,835.0	113.5	2,870.9	2,811.9	58.97	48.684		
9,300.0	8,575.0	8,117.7	7,409.2	35.3	32.8	-66.86	1,835.2	213.4	2,870.0	2,808.8	61.22	46.882		
9,400.0	8,575.0	8,217.7	7,411.5	36.3	34.4	-66.90	1,835.3	313.4	2,869.1	2,805.3	63.71	45.032		
9,500.0	8,575.0	8,317.6	7,413.9	37.6	36.0	-66.95	1,835.4	413.3	2,868.2	2,801.7	66.43	43.178		
9,600.0	8,575.0	8,417.6	7,416.2	38.9	37.8	-66.99	1,835.5	513.3	2,867.2	2,797.9	69.33	41.354		
9,700.0	8,575.0	8,517.6	7,418.5	40.4	39.6	-67.03	1,835.6	613.2	2,866.3	2,793.9	72.42	39.581		
9,800.0	8,575.0	8,617.5	7,420.9	41.9	41.5	-67.08	1,835.8	713.2	2,865.4	2,789.8	75.65	37.878		
9,900.0	8,575.0	8,717.5	7,423.2	43.6	43.4	-67.12	1,835.9	813.1	2,864.5	2,785.5	79.02	36.252		
10,000.0	8,575.0	8,817.5	7,425.6	45.3	45.4	-67.16	1,836.0	913.1	2,863.6	2,781.1	82.50	34.709		
10,100.0	8,575.0	8,917.5	7,427.9	47.0	47.5	-67.21	1,836.1	1,013.0	2,862.7	2,776.6	86.10	33.250		
10,200.0	8,575.0	9,017.4	7,430.2	48.9	49.6	-67.25	1,836.3	1,112.9	2,861.8	2,772.0	89.78	31.876		
10,300.0	8,575.0	9,117.4	7,432.6	50.8	51.7	-67.29	1,836.4	1,212.9	2,860.9	2,767.4	93.55	30.583		
10,400.0	8,575.0	9,217.4	7,434.9	52.7	53.8	-67.33	1,836.5	1,312.8	2,860.0	2,762.6	97.39	29.368		
10,500.0	8,575.0	9,317.4	7,437.2	54.7	56.0	-67.38	1,836.6	1,412.8	2,859.1	2,757.8	101.29	28.227		
10,600.0	8,575.0	9,417.3	7,439.6	56.7	58.2	-67.42	1,836.7	1,512.7	2,858.2	2,753.0	105.26	27.155		
10,700.0	8,575.0	9,517.3	7,441.9	58.7	60.4	-67.46	1,836.9	1,612.7	2,857.4	2,748.1	109.27	26.149		
10,800.0	8,575.0	9,617.3	7,444.3	60.8	62.6	-67.51	1,837.0	1,712.6	2,856.5	2,743.1	113.33	25.204		
10,900.0	8,575.0	9,717.2	7,446.6	62.9	64.8	-67.55	1,837.1	1,812.6	2,855.6	2,738.1	117.44	24.315		
11,000.0	8,575.0	9,817.2	7,448.9	65.0	67.1	-67.59	1,837.2	1,912.5	2,854.7	2,733.1	121.58	23.479		
11,100.0	8,575.0	9,917.2	7,451.3	67.1	69.4	-67.64	1,837.4	2,012.5	2,853.8	2,728.1	125.76	22.692		
11,200.0	8,575.0	10,017.2	7,453.6	69.3	71.6	-67.68	1,837.5	2,112.4	2,852.9	2,723.0	129.97	21.950		
11,300.0	8,575.0	10,117.1	7,455.9	71.5	73.9	-67.73	1,837.6	2,212.3	2,852.0	2,717.8	134.21	21.250		
11,400.0	8,575.0	10,217.1	7,458.3	73.7	76.2	-67.77	1,837.7	2,312.3	2,851.2	2,712.7	138.48	20.589		
11,500.0	8,575.0	10,317.1	7,460.6	75.9	78.5	-67.81	1,837.8	2,412.2	2,850.3	2,707.5	142.77	19.964		
11,600.0	8,575.0	10,417.1	7,463.0	78.2	80.9	-67.86	1,838.0	2,512.2	2,849.4	2,702.3	147.08	19.373		
11,700.0	8,575.0	10,517.0	7,465.3	80.4	83.2	-67.90	1,838.1	2,612.1	2,848.5	2,697.1	151.42	18.812		
11,800.0	8,575.0	10,617.0	7,467.6	82.7	85.5	-67.94	1,838.2	2,712.1	2,847.7	2,691.9	155.77	18.281		
11,900.0	8,575.0	10,717.0	7,470.0	84.9	87.9	-67.99	1,838.3	2,812.0	2,846.8	2,686.7	160.14	17.776		
12,000.0	8,575.0	10,816.9	7,472.3	87.2	90.2	-68.03	1,838.5	2,912.0	2,845.9	2,681.4	164.53	17.297		
12,100.0	8,575.0	10,916.9	7,474.7	89.5	92.6	-68.07	1,838.6	3,011.9	2,845.1	2,676.1	168.94	16.841		
12,200.0	8,575.0	11,016.9	7,477.0	91.8	94.9	-68.12	1,838.7	3,111.8	2,844.2	2,670.8	173.36	16.407		
12,300.0	8,575.0	11,116.9	7,479.3	94.1	97.3	-68.16	1,838.8	3,211.8	2,843.3	2,665.5	177.79	15.993		
12,400.0	8,575.0	11,216.8	7,481.7	96.4	99.7	-68.21	1,838.9	3,311.7	2,842.5	2,660.2	182.23	15.598		
12,500.0	8,575.0	11,316.8	7,484.0	98.7	102.0	-68.25	1,839.1	3,411.7	2,841.6	2,654.9	186.69	15.221		
12,600.0	8,575.0	11,416.8	7,486.3	101.0	104.4	-68.29	1,839.2	3,511.6	2,840.8	2,649.6	191.16	14.860		
12,700.0	8,575.0	11,516.8	7,488.7	103.4	106.8	-68.34	1,839.3	3,611.6	2,839.9	2,644.3	195.64	14.516		
12,800.0	8,575.0	11,616.7	7,491.0	105.7	109.2	-68.38	1,839.4	3,711.5	2,839.0	2,638.9	200.13	14.186		
12,900.0	8,575.0	11,716.7	7,493.4	108.0	111.6	-68.42	1,839.6	3,811.5	2,838.2	2,633.6	204.63	13.870		
13,000.0	8,575.0	11,816.7	7,495.7	110.4	114.0	-68.47	1,839.7	3,911.4	2,837.3	2,628.2	209.14	13.567		
13,100.0	8,575.0	11,916.6	7,498.0	112.7	116.3	-68.51	1,839.8	4,011.4	2,836.5	2,622.8	213.66	13.276		
13,200.0	8,575.0	12,016.6	7,500.4	115.1	118.7	-68.56	1,839.9	4,111.3	2,835.6	2,617.4	218.19	12.996		
13,300.0	8,575.0	12,116.6	7,502.7	117.5	121.1	-68.60	1,840.0	4,211.2	2,834.8	2,612.1	222.72	12.728		
13,400.0	8,575.0	12,216.6	7,505.0	119.8	123.5	-68.64	1,840.2	4,311.2	2,833.9	2,606.7	227.26	12.470		
13,500.0	8,575.0	12,316.5	7,507.4	122.2	125.9	-68.69	1,840.3	4,411.1	2,833.1	2,601.3	231.81	12.221		
13,600.0	8,575.0	12,416.5	7,509.7	124.6	128.3	-68.73	1,840.4	4,511.1	2,832.3	2,595.9	236.37	11.982		
13,700.0	8,575.0	12,516.5	7,512.1	126.9	130.7	-68.78	1,840.5	4,611.0	2,831.4	2,590.5	240.94	11.752		
13,800.0	8,575.0	12,616.5	7,514.4	129.3	133.2	-68.82	1,840.7	4,711.0	2,830.6	2,585.1	245.51	11.530		
13,900.0	8,575.0	12,716.4	7,516.7	131.7	135.6	-68.87	1,840.8	4,810.9	2,829.7	2,579.7	250.08	11.315		
14,000.0	8,575.0	12,816.4	7,519.1	134.1	138.0	-68.91	1,840.9	4,910.9	2,828.9	2,574.2	254.67	11.108		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
14,100.0	8,575.0	12,916.4	7,521.4	136.4	140.4	-68.95	1,841.0	5,010.8	2,828.1	2,568.8	259.25	10.908		
14,200.0	8,575.0	13,016.3	7,523.7	138.8	142.8	-69.00	1,841.1	5,110.8	2,827.2	2,563.4	263.85	10.715		
14,300.0	8,575.0	13,116.3	7,526.1	141.2	145.2	-69.04	1,841.3	5,210.7	2,826.4	2,558.0	268.45	10.529		
14,400.0	8,575.0	13,216.3	7,528.4	143.6	147.6	-69.09	1,841.4	5,310.6	2,825.6	2,552.5	273.06	10.348		
14,500.0	8,575.0	13,316.3	7,530.8	146.0	150.0	-69.13	1,841.5	5,410.6	2,824.7	2,547.1	277.67	10.173		
14,600.0	8,575.0	13,416.2	7,533.1	148.4	152.5	-69.18	1,841.6	5,510.5	2,823.9	2,541.6	282.28	10.004		
14,700.0	8,575.0	13,516.2	7,535.4	150.8	154.9	-69.22	1,841.7	5,610.5	2,823.1	2,536.2	286.90	9.840		
14,800.0	8,575.0	13,616.2	7,537.8	153.2	157.3	-69.26	1,841.9	5,710.4	2,822.3	2,530.7	291.53	9.681		
14,900.0	8,575.0	13,716.1	7,540.1	155.6	159.7	-69.31	1,842.0	5,810.4	2,821.5	2,525.3	296.16	9.527		
15,000.0	8,575.0	13,816.1	7,542.4	158.0	162.1	-69.35	1,842.1	5,910.3	2,820.6	2,519.8	300.79	9.377		
15,100.0	8,575.0	13,916.1	7,544.8	160.4	164.6	-69.40	1,842.2	6,010.3	2,819.8	2,514.4	305.43	9.232		
15,200.0	8,575.0	14,016.1	7,547.1	162.8	167.0	-69.44	1,842.4	6,110.2	2,819.0	2,508.9	310.08	9.091		
15,300.0	8,575.0	14,116.0	7,549.5	165.2	169.4	-69.49	1,842.5	6,210.2	2,818.2	2,503.5	314.73	8.954		
15,400.0	8,575.0	14,216.0	7,551.8	167.6	171.8	-69.53	1,842.6	6,310.1	2,817.4	2,498.0	319.38	8.821		
15,500.0	8,575.0	14,316.0	7,554.1	170.0	174.3	-69.58	1,842.7	6,410.0	2,816.6	2,492.5	324.04	8.692		
15,600.0	8,575.0	14,416.0	7,556.5	172.5	176.7	-69.62	1,842.8	6,510.0	2,815.8	2,487.1	328.70	8.566		
15,700.0	8,575.0	14,515.9	7,558.8	174.9	179.1	-69.67	1,843.0	6,609.9	2,815.0	2,481.6	333.36	8.444		
15,800.0	8,575.0	14,615.9	7,561.2	177.3	181.6	-69.71	1,843.1	6,709.9	2,814.1	2,476.1	338.03	8.325		
15,900.0	8,575.0	14,715.9	7,563.5	179.7	184.0	-69.75	1,843.2	6,809.8	2,813.3	2,470.6	342.70	8.209		
16,000.0	8,575.0	14,815.8	7,565.8	182.1	186.4	-69.80	1,843.3	6,909.8	2,812.5	2,465.2	347.38	8.097		
16,100.0	8,575.0	14,915.8	7,568.2	184.5	188.9	-69.84	1,843.5	7,009.7	2,811.7	2,459.7	352.06	7.987		
16,200.0	8,575.0	15,015.8	7,570.5	187.0	191.3	-69.89	1,843.6	7,109.7	2,810.9	2,454.2	356.74	7.880		
16,300.0	8,575.0	15,115.8	7,572.8	189.4	193.7	-69.93	1,843.7	7,209.6	2,810.1	2,448.7	361.43	7.775		
16,400.0	8,575.0	15,215.7	7,575.2	191.8	196.1	-69.98	1,843.8	7,309.6	2,809.4	2,443.2	366.12	7.673		
16,500.0	8,575.0	15,315.7	7,577.5	194.2	198.6	-70.02	1,843.9	7,409.5	2,808.6	2,437.7	370.81	7.574		
16,600.0	8,575.0	15,415.7	7,579.9	196.6	201.0	-70.07	1,844.1	7,509.4	2,807.8	2,432.3	375.51	7.477		
16,700.0	8,575.0	15,515.7	7,582.2	199.1	203.4	-70.11	1,844.2	7,609.4	2,807.0	2,426.8	380.21	7.383		
16,800.0	8,575.0	15,615.6	7,584.5	201.5	205.9	-70.16	1,844.3	7,709.3	2,806.2	2,421.3	384.91	7.290		
16,900.0	8,575.0	15,715.6	7,586.9	203.9	208.3	-70.20	1,844.4	7,809.3	2,805.4	2,415.8	389.62	7.200		
17,000.0	8,575.0	15,815.6	7,589.2	206.3	210.8	-70.25	1,844.6	7,909.2	2,804.6	2,410.3	394.33	7.112		
17,100.0	8,575.0	15,915.5	7,591.5	208.8	213.2	-70.29	1,844.7	8,009.2	2,803.8	2,404.8	399.04	7.026		
17,200.0	8,575.0	16,015.5	7,593.9	211.2	215.6	-70.34	1,844.8	8,109.1	2,803.1	2,399.3	403.76	6.942		
17,300.0	8,575.0	16,115.5	7,596.2	213.6	218.1	-70.38	1,844.9	8,209.1	2,802.3	2,393.8	408.48	6.860		
17,400.0	8,575.0	16,215.5	7,598.6	216.0	220.5	-70.43	1,845.0	8,309.0	2,801.5	2,388.3	413.20	6.780		
17,500.0	8,575.0	16,315.4	7,600.9	218.5	222.9	-70.47	1,845.2	8,408.9	2,800.7	2,382.8	417.92	6.702		
17,600.0	8,575.0	16,415.4	7,603.2	220.9	225.4	-70.52	1,845.3	8,508.9	2,799.9	2,377.3	422.65	6.625		
17,700.0	8,575.0	16,515.4	7,605.6	223.3	227.8	-70.56	1,845.4	8,608.8	2,799.2	2,371.8	427.38	6.550		
17,800.0	8,575.0	16,615.4	7,607.9	225.8	230.3	-70.61	1,845.5	8,708.8	2,798.4	2,366.3	432.12	6.476		
17,900.0	8,575.0	16,715.3	7,610.2	228.2	232.7	-70.65	1,845.7	8,808.7	2,797.6	2,360.8	436.85	6.404		
18,000.0	8,575.0	16,815.3	7,612.6	230.6	235.1	-70.70	1,845.8	8,908.7	2,796.9	2,355.3	441.59	6.334		
18,100.0	8,575.0	16,915.3	7,614.9	233.0	237.6	-70.74	1,845.9	9,008.6	2,796.1	2,349.8	446.34	6.265		
18,200.0	8,575.0	17,015.2	7,617.3	235.5	240.0	-70.79	1,846.0	9,108.6	2,795.3	2,344.3	451.08	6.197		
18,300.0	8,575.0	17,115.2	7,619.6	237.9	242.5	-70.84	1,846.1	9,208.5	2,794.6	2,338.7	455.83	6.131		
18,400.0	8,575.0	17,215.2	7,621.9	240.3	244.9	-70.88	1,846.3	9,308.5	2,793.8	2,333.2	460.58	6.066		
18,500.0	8,575.0	17,315.2	7,624.3	242.8	247.3	-70.93	1,846.4	9,408.4	2,793.1	2,327.7	465.33	6.002		
18,600.0	8,575.0	17,415.1	7,626.6	245.2	249.8	-70.97	1,846.5	9,508.3	2,792.3	2,322.2	470.09	5.940		
18,700.0	8,575.0	17,515.1	7,629.0	247.6	252.2	-71.02	1,846.6	9,608.3	2,791.5	2,316.7	474.85	5.879		
18,800.0	8,575.0	17,615.1	7,631.3	250.1	254.7	-71.06	1,846.8	9,708.2	2,790.8	2,311.2	479.61	5.819		
18,900.0	8,575.0	17,715.1	7,633.6	252.5	257.1	-71.11	1,846.9	9,808.2	2,790.0	2,305.7	484.38	5.760		
19,000.0	8,575.0	17,815.0	7,636.0	255.0	259.5	-71.15	1,847.0	9,908.1	2,789.3	2,300.2	489.14	5.702		
19,100.0	8,575.0	17,915.0	7,638.3	257.4	262.0	-71.20	1,847.1	10,008.1	2,788.5	2,294.6	493.91	5.646		
19,200.0	8,575.0	18,015.0	7,640.6	259.8	264.4	-71.24	1,847.2	10,108.0	2,787.8	2,289.1	498.68	5.590		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
19,300.0	8,575.0	18,114.9	7,643.0	262.3	266.9	-71.29	1,847.4	10,208.0	2,787.1	2,283.6	503.46	5.536		
19,400.0	8,575.0	18,214.9	7,645.3	264.7	269.3	-71.34	1,847.5	10,307.9	2,786.3	2,278.1	508.23	5.482		
19,500.0	8,575.0	18,314.9	7,647.7	267.1	271.8	-71.38	1,847.6	10,407.9	2,785.6	2,272.6	513.01	5.430		
19,600.0	8,575.0	18,414.9	7,650.0	269.6	274.2	-71.43	1,847.7	10,507.8	2,784.8	2,267.0	517.79	5.378		
19,700.0	8,575.0	18,514.8	7,652.3	272.0	276.6	-71.47	1,847.9	10,607.7	2,784.1	2,261.5	522.58	5.328		
19,800.0	8,575.0	18,614.8	7,654.7	274.5	279.1	-71.52	1,848.0	10,707.7	2,783.4	2,256.0	527.37	5.278		
19,900.0	8,575.0	18,714.8	7,657.0	276.9	281.5	-71.56	1,848.1	10,807.6	2,782.6	2,250.5	532.15	5.229		
20,000.0	8,575.0	18,814.8	7,659.3	279.3	284.0	-71.61	1,848.2	10,907.6	2,781.9	2,245.0	536.95	5.181		
20,100.0	8,575.0	18,914.7	7,661.7	281.8	286.4	-71.66	1,848.3	11,007.5	2,781.2	2,239.4	541.74	5.134		
20,200.0	8,575.0	19,014.7	7,664.0	284.2	288.9	-71.70	1,848.5	11,107.5	2,780.4	2,233.9	546.54	5.087		
20,300.0	8,575.0	19,114.7	7,666.4	286.6	291.3	-71.75	1,848.6	11,207.4	2,779.7	2,228.4	551.33	5.042		
20,400.0	8,575.0	19,214.6	7,668.7	289.1	293.8	-71.79	1,848.7	11,307.4	2,779.0	2,222.9	556.13	4.997		
20,500.0	8,575.0	19,314.6	7,671.0	291.5	296.2	-71.84	1,848.8	11,407.3	2,778.3	2,217.3	560.94	4.953		
20,600.0	8,575.0	19,414.6	7,673.4	294.0	298.6	-71.88	1,849.0	11,507.3	2,777.5	2,211.8	565.74	4.910		
20,700.0	8,575.0	19,514.6	7,675.7	296.4	301.1	-71.93	1,849.1	11,607.2	2,776.8	2,206.3	570.55	4.867		
20,800.0	8,575.0	19,614.5	7,678.0	298.9	303.5	-71.98	1,849.2	11,707.1	2,776.1	2,200.7	575.36	4.825		
20,900.0	8,575.0	19,714.5	7,680.4	301.3	306.0	-72.02	1,849.3	11,807.1	2,775.4	2,195.2	580.17	4.784		
21,000.0	8,575.0	19,814.5	7,682.7	303.7	308.4	-72.07	1,849.4	11,907.0	2,774.7	2,189.7	584.99	4.743		
21,100.0	8,575.0	19,901.7	7,684.8	306.2	310.6	-72.11	1,849.6	11,994.2	2,774.0	2,184.5	589.46	4.706		
21,200.0	8,575.0	20,001.7	7,686.5	308.6	313.0	-72.14	1,850.0	12,094.2	2,773.7	2,179.5	594.25	4.668		
21,212.5	8,575.0	20,014.1	7,686.7	308.9	313.3	-72.15	1,850.0	12,106.6	2,773.7	2,178.9	594.85	4.663 ES, SF		
21,213.6	8,575.0	20,003.9	7,686.5	309.0	313.1	-72.14	1,850.0	12,096.4	2,773.7	2,179.1	594.59	4.665		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	89.83	0.2	79.9	79.9					
100.0	100.0	101.0	101.0	0.1	0.1	89.83	0.2	79.9	79.9	79.7	0.26	307.608		
200.0	200.0	201.0	201.0	0.5	0.5	89.83	0.2	79.9	79.9	79.0	0.98	81.841		
300.0	300.0	301.0	301.0	0.8	0.8	89.83	0.2	79.9	79.9	78.3	1.69	47.199		
400.0	400.0	401.0	401.0	1.2	1.2	89.83	0.2	79.9	79.9	77.5	2.41	33.162		
500.0	500.0	501.0	501.0	1.6	1.6	89.83	0.2	79.9	79.9	76.8	3.13	25.561		
600.0	600.0	601.0	601.0	1.9	1.9	89.83	0.2	79.9	79.9	76.1	3.84	20.794		
700.0	700.0	701.0	701.0	2.3	2.3	89.83	0.2	79.9	79.9	75.4	4.56	17.526		
800.0	800.0	801.0	801.0	2.6	2.6	89.83	0.2	79.9	79.9	74.7	5.28	15.145		
900.0	900.0	901.0	901.0	3.0	3.0	89.83	0.2	79.9	79.9	73.9	6.00	13.334		
1,000.0	1,000.0	1,001.0	1,001.0	3.4	3.4	89.83	0.2	79.9	79.9	73.2	6.71	11.910		
1,100.0	1,100.0	1,101.0	1,101.0	3.7	3.7	-132.12	0.2	79.9	81.4	74.0	7.41	10.979		
1,200.0	1,199.7	1,200.8	1,200.8	4.0	4.1	-135.27	0.2	79.9	85.9	77.8	8.10	10.602		
1,300.0	1,299.1	1,304.1	1,304.1	4.4	4.4	-138.95	-1.8	78.0	91.8	83.0	8.79	10.442		
1,372.0	1,370.4	1,378.9	1,378.6	4.6	4.7	-141.16	-5.8	74.1	95.6	86.4	9.28	10.308		
1,400.0	1,398.0	1,408.0	1,407.6	4.7	4.8	-141.90	-7.9	72.1	96.9	87.4	9.47	10.234		
1,500.0	1,496.7	1,512.4	1,511.0	5.1	5.1	-143.23	-18.1	62.3	98.5	88.4	10.14	9.717		
1,600.0	1,595.4	1,616.1	1,612.8	5.5	5.5	-142.71	-32.2	48.7	95.7	84.9	10.82	8.844		
1,700.0	1,694.1	1,716.0	1,710.5	5.9	5.9	-141.49	-47.2	34.3	91.3	79.8	11.55	7.907		
1,800.0	1,792.7	1,815.9	1,808.2	6.3	6.3	-140.15	-62.2	19.9	87.0	74.7	12.30	7.073		
1,900.0	1,891.4	1,915.7	1,905.9	6.7	6.7	-138.67	-77.1	5.5	82.7	69.6	13.06	6.331		
2,000.0	1,990.1	2,015.6	2,003.6	7.1	7.1	-137.03	-92.1	-8.9	78.5	64.6	13.85	5.668		
2,100.0	2,088.8	2,115.5	2,101.3	7.5	7.6	-135.20	-107.1	-23.3	74.3	59.7	14.65	5.074		
2,200.0	2,187.5	2,215.4	2,199.0	7.9	8.0	-133.16	-122.0	-37.7	70.2	54.8	15.47	4.541		
2,300.0	2,286.2	2,315.3	2,296.7	8.3	8.5	-130.87	-137.0	-52.1	66.3	50.0	16.31	4.064		
2,400.0	2,384.9	2,415.2	2,394.4	8.8	8.9	-128.30	-151.9	-66.5	62.4	45.3	17.18	3.635		
2,500.0	2,483.5	2,515.1	2,492.1	9.2	9.4	-125.39	-166.9	-80.9	58.7	40.7	18.06	3.251		
2,600.0	2,582.2	2,614.9	2,589.8	9.6	9.8	-122.11	-181.9	-95.3	55.2	36.2	18.98	2.908		
2,700.0	2,680.9	2,714.8	2,687.5	10.1	10.3	-118.38	-196.8	-109.7	51.9	31.9	19.92	2.603		
2,800.0	2,779.6	2,814.7	2,785.2	10.5	10.7	-114.17	-211.8	-124.1	48.8	27.9	20.89	2.335		
2,900.0	2,878.3	2,914.6	2,882.9	10.9	11.2	-109.42	-226.8	-138.5	46.0	24.1	21.87	2.103		
3,000.0	2,977.0	3,014.5	2,980.6	11.3	11.7	-104.10	-241.7	-152.9	43.6	20.7	22.87	1.905		
3,100.0	3,075.7	3,114.4	3,078.3	11.8	12.1	-98.22	-256.7	-167.3	41.6	17.7	23.86	1.741		
3,200.0	3,174.3	3,214.2	3,176.0	12.2	12.6	-91.81	-271.6	-181.7	40.0	15.2	24.83	1.612		
3,300.0	3,273.0	3,314.1	3,273.7	12.6	13.1	-84.98	-286.6	-196.1	39.0	13.3	25.73	1.517		
3,400.0	3,371.7	3,414.0	3,371.4	13.1	13.6	-77.91	-301.6	-210.5	38.6	12.1	26.57	1.454	Level 3	
3,419.3	3,390.8	3,433.3	3,390.4	13.2	13.7	-76.53	-304.5	-213.3	38.6	11.9	26.72	1.445	Level 3, CC	
3,500.0	3,470.4	3,513.9	3,469.2	13.5	14.0	-70.80	-316.5	-224.9	38.8	11.5	27.31	1.421	Level 3	
3,600.0	3,569.1	3,613.8	3,566.9	14.0	14.5	-63.85	-331.5	-239.3	39.6	11.6	27.97	1.415	Level 3	
3,700.0	3,667.8	3,713.7	3,664.6	14.4	15.0	-57.27	-346.5	-253.7	40.9	12.3	28.56	1.432	Level 3	
3,800.0	3,766.5	3,813.5	3,762.3	14.8	15.5	-51.17	-361.4	-268.1	42.7	13.6	29.10	1.469	Level 3	
3,900.0	3,865.1	3,913.4	3,860.0	15.3	16.0	-45.63	-376.4	-282.5	45.0	15.4	29.62	1.519		
4,000.0	3,963.8	4,013.3	3,957.7	15.7	16.4	-40.66	-391.4	-296.9	47.7	17.5	30.14	1.581		
4,100.0	4,062.5	4,113.2	4,055.4	16.1	16.9	-36.25	-406.3	-311.3	50.6	20.0	30.67	1.651		
4,200.0	4,161.2	4,213.1	4,153.1	16.6	17.4	-32.34	-421.3	-325.7	53.9	22.7	31.22	1.725		
4,300.0	4,259.9	4,313.0	4,250.8	17.0	17.9	-28.89	-436.2	-340.1	57.3	25.5	31.79	1.803		
4,400.0	4,358.6	4,412.8	4,348.5	17.5	18.4	-25.85	-451.2	-354.5	61.0	28.6	32.39	1.883		
4,500.0	4,457.3	4,512.7	4,446.2	17.9	18.9	-23.15	-466.2	-368.9	64.8	31.8	33.00	1.963		
4,600.0	4,555.9	4,612.6	4,543.9	18.3	19.4	-20.75	-481.1	-383.3	68.7	35.1	33.64	2.042		
4,700.0	4,654.6	4,712.5	4,641.6	18.8	19.8	-18.62	-496.1	-397.7	72.7	38.4	34.29	2.121		
4,800.0	4,753.3	4,812.4	4,739.3	19.2	20.3	-16.72	-511.1	-412.1	76.9	41.9	34.96	2.198		
4,900.0	4,852.0	4,912.3	4,837.0	19.7	20.8	-15.01	-526.0	-426.5	81.1	45.4	35.64	2.274		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
5,000.0	4,950.7	5,012.2	4,934.7	20.1	21.3	-13.46	-541.0	-440.9	85.3	49.0	36.33	2.348		
5,100.0	5,049.4	5,112.0	5,032.4	20.6	21.8	-12.07	-555.9	-455.3	89.6	52.6	37.03	2.421		
5,200.0	5,148.1	5,211.9	5,130.1	21.0	22.3	-10.81	-570.9	-469.7	94.0	56.3	37.74	2.491		
5,300.0	5,246.7	5,311.8	5,227.8	21.4	22.8	-9.65	-585.9	-484.1	98.4	60.0	38.45	2.559		
5,400.0	5,345.4	5,411.7	5,325.5	21.9	23.2	-8.60	-600.8	-498.5	102.9	63.7	39.17	2.626		
5,500.0	5,444.1	5,511.6	5,423.2	22.3	23.7	-7.64	-615.8	-512.9	107.3	67.4	39.90	2.690		
5,600.0	5,542.8	5,611.5	5,520.9	22.8	24.2	-6.75	-630.8	-527.3	111.8	71.2	40.63	2.752		
5,700.0	5,641.5	5,711.3	5,618.6	23.2	24.7	-5.93	-645.7	-541.7	116.4	75.0	41.37	2.813		
5,800.0	5,740.2	5,811.2	5,716.3	23.7	25.2	-5.17	-660.7	-556.2	120.9	78.8	42.11	2.872		
5,900.0	5,838.9	5,911.1	5,814.0	24.1	25.7	-4.47	-675.6	-570.6	125.5	82.6	42.85	2.929		
6,000.0	5,937.5	6,011.0	5,911.7	24.5	26.2	-3.82	-690.6	-585.0	130.1	86.5	43.59	2.984		
6,100.0	6,036.2	6,110.9	6,009.4	25.0	26.7	-3.21	-705.6	-599.4	134.7	90.3	44.34	3.037		
6,200.0	6,134.9	6,210.8	6,107.1	25.4	27.2	-2.64	-720.5	-613.8	139.3	94.2	45.09	3.089		
6,300.0	6,233.6	6,310.6	6,204.8	25.9	27.6	-2.11	-735.5	-628.2	143.9	98.1	45.84	3.140		
6,400.0	6,332.3	6,410.5	6,302.5	26.3	28.1	-1.61	-750.5	-642.6	148.6	102.0	46.59	3.189		
6,500.0	6,431.0	6,510.4	6,400.2	26.8	28.6	-1.14	-765.4	-657.0	153.2	105.9	47.34	3.236		
6,600.0	6,529.6	6,610.3	6,497.9	27.2	29.1	-0.70	-780.4	-671.4	157.9	109.8	48.10	3.282		
6,700.0	6,628.3	6,721.0	6,606.8	27.6	29.6	-0.32	-794.3	-684.8	159.2	110.2	48.97	3.252		
6,800.0	6,727.0	6,831.4	6,716.6	28.1	30.0	-0.09	-802.9	-693.1	153.8	104.2	49.60	3.101		
6,900.0	6,825.7	6,940.5	6,825.6	28.5	30.4	0.00	-806.2	-696.2	141.7	91.7	50.01	2.834		
7,000.0	6,924.4	7,040.3	6,925.4	29.0	30.7	0.00	-806.2	-696.2	125.6	75.0	50.64	2.481		
7,100.0	7,023.1	7,148.8	7,033.6	29.4	30.9	-2.49	-806.2	-690.3	106.1	55.6	50.53	2.100		
7,200.0	7,121.8	7,251.4	7,133.3	29.9	31.1	-17.44	-806.2	-666.6	77.9	26.5	51.49	1.514		
7,296.5	7,217.0	7,336.8	7,212.0	30.3	31.2	-51.85	-806.2	-633.6	60.2	1.8	58.42	1.031	Level 2	
7,300.0	7,220.4	7,339.7	7,214.5	30.3	31.2	-53.35	-806.2	-632.3	60.2	1.6	58.62	1.028	Level 2, ES, SF	
7,400.0	7,319.1	7,413.1	7,277.4	30.7	31.2	-88.97	-806.1	-594.5	88.2	33.8	54.35	1.622		
7,466.5	7,384.7	7,454.4	7,310.5	31.0	31.2	-101.78	-806.1	-569.8	125.9	77.1	48.81	2.579		
7,500.0	7,417.8	7,473.3	7,325.0	31.2	31.2	-106.40	-806.1	-557.7	147.8	101.3	46.55	3.176		
7,600.0	7,516.9	7,523.4	7,361.6	31.6	31.2	-115.25	-806.0	-523.4	219.6	178.2	41.46	5.298		
7,700.0	7,616.2	7,565.6	7,389.9	32.0	31.1	-120.38	-806.0	-492.2	297.4	259.6	37.79	7.870		
7,800.0	7,715.8	7,600.0	7,411.2	32.4	31.1	-123.85	-806.0	-465.2	379.0	344.2	34.74	10.909		
7,900.0	7,815.6	7,632.6	7,430.0	32.8	31.1	-126.66	-805.9	-438.5	463.0	430.5	32.58	14.211		
8,000.0	7,915.5	7,659.7	7,444.3	33.1	31.1	-129.02	-805.9	-415.5	549.0	518.4	30.64	17.918		
8,086.5	8,002.0	7,680.6	7,454.6	33.3	31.1	89.93	-805.9	-397.4	624.5	595.3	29.22	21.376		
8,100.0	8,015.5	7,683.7	7,456.1	33.4	31.1	0.13	-805.9	-394.7	636.3	607.3	29.00	21.940		
8,150.0	8,065.4	7,700.0	7,463.6	33.5	31.1	0.11	-805.9	-380.2	679.0	650.5	28.46	23.857		
8,200.0	8,114.8	7,700.0	7,463.6	33.6	31.1	0.10	-805.9	-380.2	719.9	693.1	26.76	26.899		
8,250.0	8,163.3	7,722.6	7,473.3	33.7	31.0	0.09	-805.8	-359.8	758.7	732.2	26.40	28.734		
8,300.0	8,210.6	7,736.9	7,479.1	33.8	31.0	0.08	-805.8	-346.7	795.5	770.0	25.47	31.234		
8,350.0	8,256.3	7,750.0	7,484.1	33.8	31.0	0.08	-805.8	-334.6	830.2	805.8	24.43	33.977		
8,400.0	8,300.1	7,767.2	7,490.2	33.9	31.0	0.07	-805.8	-318.6	862.6	839.0	23.59	36.571		
8,450.0	8,341.6	7,782.9	7,495.3	33.9	31.0	0.07	-805.8	-303.7	892.7	870.0	22.67	39.375		
8,500.0	8,380.6	7,800.0	7,500.5	33.9	31.0	0.07	-805.7	-287.4	920.4	898.5	21.84	42.149		
8,550.0	8,416.6	7,815.5	7,504.7	33.9	31.0	0.07	-805.7	-272.5	945.5	924.5	20.99	45.051		
8,600.0	8,449.5	7,832.2	7,508.8	33.9	31.0	0.07	-805.7	-256.3	968.1	947.9	20.26	47.776		
8,650.0	8,479.0	7,850.0	7,512.7	33.9	31.0	0.07	-805.7	-238.9	988.1	968.5	19.68	50.222		
8,700.0	8,504.8	7,866.2	7,515.7	33.9	31.0	0.07	-805.7	-223.0	1,005.4	986.3	19.17	52.438		
8,750.0	8,526.9	7,883.5	7,518.5	33.8	31.0	0.07	-805.6	-205.9	1,020.1	1,001.2	18.85	54.100		
8,800.0	8,544.9	7,900.0	7,520.6	33.8	31.0	0.07	-805.6	-189.5	1,031.9	1,013.2	18.70	55.178		
8,850.0	8,558.8	7,918.4	7,522.4	33.8	31.0	0.07	-805.6	-171.3	1,041.0	1,022.2	18.76	55.485		
8,900.0	8,568.4	7,950.0	7,524.2	33.7	31.0	0.07	-805.6	-139.7	1,047.5	1,028.5	19.04	55.031		
8,950.0	8,573.8	7,953.6	7,524.3	33.7	31.0	0.07	-805.6	-136.1	1,050.7	1,031.3	19.44	54.043		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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)						
8,986.5	8,575.0	7,984.1	7,524.8	33.7	31.0	0.07	-805.5	-105.6	1,051.3	1,031.5	19.76	53.190		
8,993.2	8,575.0	7,990.9	7,525.0	33.8	31.1	0.07	-805.5	-98.8	1,051.2	1,031.3	19.82	53.037		
9,000.0	8,575.0	7,997.7	7,525.1	33.8	31.1	0.07	-805.5	-92.0	1,051.0	1,031.2	19.88	52.882		
9,100.0	8,575.0	8,102.3	7,526.7	33.9	31.4	0.07	-805.4	8.0	1,049.4	1,028.6	20.77	50.526		
9,200.0	8,575.0	8,202.3	7,528.4	34.4	31.9	0.07	-805.2	107.9	1,047.7	1,026.0	21.72	48.240		
9,300.0	8,575.0	8,297.6	7,530.1	35.3	32.8	0.07	-805.1	207.9	1,046.0	1,023.3	22.71	46.062		
9,400.0	8,575.0	8,402.4	7,531.8	36.3	33.9	0.07	-805.0	307.9	1,044.3	1,020.5	23.81	43.857		
9,500.0	8,575.0	8,502.4	7,533.5	37.6	35.3	0.07	-804.9	407.8	1,042.6	1,017.7	24.94	41.805		
9,600.0	8,575.0	8,602.4	7,535.2	38.9	36.7	0.07	-804.7	507.8	1,040.9	1,014.8	26.11	39.862		
9,700.0	8,575.0	8,702.4	7,536.9	40.4	38.3	0.07	-804.6	607.8	1,039.3	1,011.9	27.33	38.031		
9,800.0	8,575.0	8,797.6	7,538.5	41.9	39.8	0.07	-804.5	707.8	1,037.6	1,009.0	28.54	36.353		
9,900.0	8,575.0	8,897.6	7,540.2	43.6	41.5	0.07	-804.4	807.7	1,035.9	1,006.1	29.82	34.740		
10,000.0	8,575.0	9,002.5	7,541.9	45.3	43.4	0.07	-804.2	907.7	1,034.2	1,003.0	31.16	33.195		
10,100.0	8,575.0	9,097.5	7,543.6	47.0	45.2	0.07	-804.1	1,007.7	1,032.5	1,000.1	32.45	31.820		
10,200.0	8,575.0	9,202.5	7,545.3	48.9	47.2	0.07	-804.0	1,107.6	1,030.8	997.0	33.83	30.471		
10,300.0	8,575.0	9,302.5	7,547.0	50.8	49.2	0.07	-803.9	1,207.6	1,029.2	994.0	35.20	29.240		
10,400.0	8,575.0	9,397.5	7,548.6	52.7	51.1	0.07	-803.7	1,307.6	1,027.5	990.9	36.54	28.117		
10,500.0	8,575.0	9,497.5	7,550.3	54.7	53.1	0.07	-803.6	1,407.6	1,025.8	987.8	37.94	27.037		
10,600.0	8,575.0	9,597.5	7,552.0	56.7	55.2	0.06	-803.5	1,507.5	1,024.1	984.8	39.35	26.026		
10,700.0	8,575.0	9,702.6	7,553.7	58.7	57.4	0.06	-803.4	1,607.5	1,022.4	981.6	40.81	25.055		
10,800.0	8,575.0	9,802.6	7,555.4	60.8	59.6	0.06	-803.2	1,707.5	1,020.7	978.5	42.24	24.166		
10,900.0	8,575.0	9,897.4	7,557.1	62.9	61.6	0.06	-803.1	1,807.4	1,019.0	975.4	43.64	23.350		
11,000.0	8,575.0	9,997.4	7,558.7	65.0	63.8	0.06	-803.0	1,907.4	1,017.4	972.3	45.09	22.562		
11,100.0	8,575.0	10,102.6	7,560.4	67.1	66.1	0.06	-802.9	2,007.4	1,015.7	969.1	46.59	21.802		
11,200.0	8,575.0	10,197.4	7,562.1	69.3	68.2	0.06	-802.7	2,107.4	1,014.0	966.0	48.01	21.120		
11,300.0	8,575.0	10,302.6	7,563.8	71.5	70.5	0.06	-802.6	2,207.3	1,012.3	962.8	49.52	20.442		
11,400.0	8,575.0	10,397.3	7,565.5	73.7	72.7	0.06	-802.5	2,307.3	1,010.6	959.7	50.96	19.832		
11,500.0	8,575.0	10,502.7	7,567.2	75.9	75.1	0.06	-802.4	2,407.3	1,008.9	956.5	52.48	19.225		
11,600.0	8,575.0	10,602.7	7,568.8	78.2	77.3	0.06	-802.2	2,507.2	1,007.3	953.3	53.97	18.664		
11,700.0	8,575.0	10,697.3	7,570.5	80.4	79.5	0.06	-802.1	2,607.2	1,005.6	950.2	55.42	18.145		
11,800.0	8,575.0	10,802.7	7,572.2	82.7	81.9	0.06	-802.0	2,707.2	1,003.9	946.9	56.96	17.626		
11,900.0	8,575.0	10,902.7	7,573.9	84.9	84.2	0.06	-801.9	2,807.2	1,002.2	943.8	58.46	17.145		
12,000.0	8,575.0	10,997.3	7,575.6	87.2	86.4	0.06	-801.7	2,907.1	1,000.5	940.6	59.92	16.699		
12,100.0	8,575.0	11,102.8	7,577.3	89.5	88.8	0.06	-801.6	3,007.1	998.8	937.4	61.46	16.251		
12,200.0	8,575.0	11,197.2	7,579.0	91.8	91.0	0.06	-801.5	3,107.1	997.2	934.2	62.93	15.845		
12,300.0	8,575.0	11,302.8	7,580.6	94.1	93.5	0.06	-801.4	3,207.0	995.5	931.0	64.49	15.437		
12,400.0	8,575.0	11,402.8	7,582.3	96.4	95.8	0.06	-801.2	3,307.0	993.8	927.8	66.00	15.057		
12,500.0	8,575.0	11,497.2	7,584.0	98.7	98.0	0.05	-801.1	3,407.0	992.1	924.6	67.48	14.703		
12,600.0	8,575.0	11,602.8	7,585.7	101.0	100.5	0.05	-801.0	3,507.0	990.4	921.4	69.04	14.346		
12,700.0	8,575.0	11,702.8	7,587.4	103.4	102.9	0.05	-800.9	3,606.9	988.7	918.2	70.56	14.013		
12,800.0	8,575.0	11,797.1	7,589.1	105.7	105.1	0.05	-800.7	3,706.9	987.1	915.0	72.04	13.701		
12,900.0	8,575.0	11,902.9	7,590.7	108.0	107.6	0.05	-800.6	3,806.9	985.4	911.8	73.61	13.386		
13,000.0	8,575.0	11,997.1	7,592.4	110.4	109.8	0.05	-800.5	3,906.8	983.7	908.6	75.09	13.099		
13,100.0	8,575.0	12,102.9	7,594.1	112.7	112.3	0.05	-800.3	4,006.8	982.0	905.3	76.67	12.808		
13,200.0	8,575.0	12,202.9	7,595.8	115.1	114.7	0.05	-800.2	4,106.8	980.3	902.1	78.20	12.536		
13,300.0	8,575.0	12,302.9	7,597.5	117.5	117.1	0.05	-800.1	4,206.8	978.6	898.9	79.73	12.274		
13,400.0	8,575.0	12,402.9	7,599.2	119.8	119.4	0.05	-800.0	4,306.7	977.0	895.7	81.27	12.022		
13,500.0	8,575.0	12,503.0	7,600.8	122.2	121.8	0.05	-799.8	4,406.7	975.3	892.5	82.80	11.778		
13,600.0	8,575.0	12,597.0	7,602.5	124.6	124.1	0.05	-799.7	4,506.7	973.6	889.3	84.29	11.550		
13,700.0	8,575.0	12,703.0	7,604.2	126.9	126.6	0.05	-799.6	4,606.6	971.9	886.0	85.88	11.318		
13,800.0	8,575.0	12,803.0	7,605.9	129.3	129.0	0.05	-799.5	4,706.6	970.2	882.8	87.41	11.099		
13,900.0	8,575.0	12,903.0	7,607.6	131.7	131.4	0.05	-799.3	4,806.6	968.5	879.6	88.95	10.888		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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)						
14,000.0	8,575.0	13,003.0	7,609.3	134.1	133.8	0.05	-799.2	4,906.6	966.9	876.4	90.49	10.684		
14,100.0	8,575.0	13,097.0	7,610.9	136.4	136.0	0.05	-799.1	5,006.5	965.2	873.2	91.99	10.492		
14,200.0	8,575.0	13,203.1	7,612.6	138.8	138.6	0.05	-799.0	5,106.5	963.5	869.9	93.58	10.296		
14,300.0	8,575.0	13,303.1	7,614.3	141.2	141.0	0.05	-798.8	5,206.5	961.8	866.7	95.12	10.111		
14,400.0	8,575.0	13,403.1	7,616.0	143.6	143.4	0.04	-798.7	5,306.4	960.1	863.4	96.67	9.932		
14,500.0	8,575.0	13,503.1	7,617.7	146.0	145.8	0.04	-798.6	5,406.4	958.4	860.2	98.21	9.759		
14,600.0	8,575.0	13,596.9	7,619.4	148.4	148.0	0.04	-798.5	5,506.4	956.7	857.0	99.71	9.595		
14,700.0	8,575.0	13,703.1	7,621.0	150.8	150.6	0.04	-798.3	5,606.4	955.1	853.8	101.31	9.428		
14,800.0	8,575.0	13,803.1	7,622.7	153.2	153.0	0.04	-798.2	5,706.3	953.4	850.5	102.85	9.269		
14,900.0	8,575.0	13,896.8	7,624.4	155.6	155.3	0.04	-798.1	5,806.3	951.7	847.3	104.35	9.120		
15,000.0	8,575.0	14,003.2	7,626.1	158.0	157.8	0.04	-798.0	5,906.3	950.0	844.1	105.95	8.967		
15,100.0	8,575.0	14,103.2	7,627.8	160.4	160.2	0.04	-797.8	6,006.2	948.3	840.8	107.50	8.822		
15,200.0	8,575.0	14,196.8	7,629.5	162.8	162.5	0.04	-797.7	6,106.2	946.6	837.6	109.00	8.685		
15,300.0	8,575.0	14,303.2	7,631.2	165.2	165.1	0.04	-797.6	6,206.2	945.0	834.4	110.60	8.544		
15,400.0	8,575.0	14,396.8	7,632.8	167.6	167.3	0.04	-797.5	6,306.2	943.3	831.2	112.10	8.415		
15,500.0	8,575.0	14,496.8	7,634.5	170.0	169.8	0.04	-797.3	6,406.1	941.6	827.9	113.65	8.285		
15,600.0	8,575.0	14,603.2	7,636.2	172.5	172.3	0.04	-797.2	6,506.1	939.9	824.7	115.25	8.155		
15,700.0	8,575.0	14,696.7	7,637.9	174.9	174.6	0.04	-797.1	6,606.1	938.2	821.5	116.75	8.036		
15,800.0	8,575.0	14,803.3	7,639.6	177.3	177.2	0.04	-797.0	6,706.1	936.5	818.2	118.36	7.913		
15,900.0	8,575.0	14,903.3	7,641.3	179.7	179.6	0.04	-796.8	6,806.0	934.9	814.9	119.91	7.796		
16,000.0	8,575.0	14,996.7	7,642.9	182.1	181.9	0.04	-796.7	6,906.0	933.2	811.8	121.41	7.686		
16,100.0	8,575.0	15,103.3	7,644.6	184.5	184.4	0.03	-796.6	7,006.0	931.5	808.5	123.02	7.572		
16,200.0	8,575.0	15,196.7	7,646.3	187.0	186.7	0.03	-796.5	7,105.9	929.8	805.3	124.52	7.467		
16,300.0	8,575.0	15,303.3	7,648.0	189.4	189.3	0.03	-796.3	7,205.9	928.1	802.0	126.13	7.359		
16,400.0	8,575.0	15,403.4	7,649.7	191.8	191.7	0.03	-796.2	7,305.9	926.4	798.8	127.68	7.256		
16,500.0	8,575.0	15,496.6	7,651.4	194.2	194.0	0.03	-796.1	7,405.9	924.8	795.6	129.19	7.158		
16,600.0	8,575.0	15,596.6	7,653.0	196.6	196.4	0.03	-796.0	7,505.8	923.1	792.3	130.74	7.060		
16,700.0	8,575.0	15,703.4	7,654.7	199.1	199.0	0.03	-795.8	7,605.8	921.4	789.0	132.35	6.962		
16,800.0	8,575.0	15,796.6	7,656.4	201.5	201.3	0.03	-795.7	7,705.8	919.7	785.8	133.85	6.871		
16,900.0	8,575.0	15,903.4	7,658.1	203.9	203.9	0.03	-795.6	7,805.7	918.0	782.6	135.47	6.777		
17,000.0	8,575.0	15,996.6	7,659.8	206.3	206.1	0.03	-795.4	7,905.7	916.3	779.4	136.97	6.690		
17,100.0	8,575.0	16,103.5	7,661.5	208.8	208.7	0.03	-795.3	8,005.7	914.7	776.1	138.58	6.600		
17,200.0	8,575.0	16,203.5	7,663.1	211.2	211.2	0.03	-795.2	8,105.7	913.0	772.8	140.14	6.515		
17,300.0	8,575.0	16,296.5	7,664.8	213.6	213.4	0.03	-795.1	8,205.6	911.3	769.6	141.64	6.434		
17,400.0	8,575.0	16,403.5	7,666.5	216.0	216.0	0.03	-794.9	8,305.6	909.6	766.3	143.25	6.350		
17,500.0	8,575.0	16,503.5	7,668.2	218.5	218.5	0.03	-794.8	8,405.6	907.9	763.1	144.81	6.270		
17,600.0	8,575.0	16,603.5	7,669.9	220.9	220.9	0.03	-794.7	8,505.5	906.2	759.9	146.37	6.191		
17,700.0	8,575.0	16,703.5	7,671.6	223.3	223.3	0.03	-794.6	8,605.5	904.5	756.6	147.93	6.115		
17,800.0	8,575.0	16,803.6	7,673.3	225.8	225.8	0.02	-794.4	8,705.5	902.9	753.4	149.49	6.040		
17,900.0	8,575.0	16,896.4	7,674.9	228.2	228.0	0.02	-794.3	8,805.5	901.2	750.2	150.99	5.968		
18,000.0	8,575.0	17,003.6	7,676.6	230.6	230.6	0.02	-794.2	8,905.4	899.5	746.9	152.61	5.894		
18,100.0	8,575.0	17,103.6	7,678.3	233.0	233.1	0.02	-794.1	9,005.4	897.8	743.6	154.17	5.824		
18,200.0	8,575.0	17,196.4	7,680.0	235.5	235.3	0.02	-793.9	9,105.4	896.1	740.5	155.67	5.757		
18,300.0	8,575.0	17,303.6	7,681.7	237.9	237.9	0.02	-793.8	9,205.3	894.4	737.2	157.29	5.687		
18,400.0	8,575.0	17,403.6	7,683.4	240.3	240.4	0.02	-793.7	9,305.3	892.8	733.9	158.85	5.620		
18,500.0	8,575.0	17,496.3	7,685.0	242.8	242.6	0.02	-793.6	9,405.3	891.1	730.7	160.35	5.557		
18,600.0	8,575.0	17,603.7	7,686.7	245.2	245.3	0.02	-793.4	9,505.3	889.4	727.4	161.97	5.491		
18,700.0	8,575.0	17,703.7	7,688.4	247.6	247.7	0.02	-793.3	9,605.2	887.7	724.2	163.53	5.428		
18,800.0	8,575.0	17,803.7	7,690.1	250.1	250.1	0.02	-793.2	9,705.2	886.0	720.9	165.09	5.367		
18,900.0	8,575.0	17,903.7	7,691.8	252.5	252.6	0.02	-793.1	9,805.2	884.3	717.7	166.65	5.307		
19,000.0	8,575.0	17,996.3	7,693.5	255.0	254.8	0.02	-792.9	9,905.1	882.7	714.5	168.15	5.249		
19,100.0	8,575.0	18,103.7	7,695.1	257.4	257.5	0.02	-792.8	10,005.1	881.0	711.2	169.77	5.189		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
19,200.0	8,575.0	18,203.8	7,696.8	259.8	259.9	0.02	-792.7	10,105.1	879.3	708.0	171.33	5.132		
19,300.0	8,575.0	18,296.2	7,698.5	262.3	262.1	0.01	-792.6	10,205.1	877.6	704.8	172.84	5.078		
19,400.0	8,575.0	18,403.8	7,700.2	264.7	264.8	0.01	-792.4	10,305.0	875.9	701.5	174.46	5.021		
19,500.0	8,575.0	18,503.8	7,701.9	267.1	267.2	0.01	-792.3	10,405.0	874.2	698.2	176.02	4.967		
19,600.0	8,575.0	18,596.2	7,703.6	269.6	269.5	0.01	-792.2	10,505.0	872.6	695.0	177.52	4.915		
19,700.0	8,575.0	18,703.8	7,705.2	272.0	272.1	0.01	-792.1	10,604.9	870.9	691.7	179.14	4.861		
19,800.0	8,575.0	18,796.2	7,706.9	274.5	274.4	0.01	-791.9	10,704.9	869.2	688.5	180.65	4.812		
19,900.0	8,575.0	18,896.1	7,708.6	276.9	276.8	0.01	-791.8	10,804.9	867.5	685.3	182.21	4.761		
20,000.0	8,575.0	19,003.9	7,710.3	279.3	279.4	0.01	-791.7	10,904.9	865.8	682.0	183.83	4.710		
20,100.0	8,575.0	19,103.9	7,712.0	281.8	281.9	0.01	-791.6	11,004.8	864.1	678.7	185.39	4.661		
20,200.0	8,575.0	19,196.1	7,713.7	284.2	284.1	0.01	-791.4	11,104.8	862.5	675.6	186.90	4.615		
20,300.0	8,575.0	19,303.9	7,715.4	286.6	286.8	0.01	-791.3	11,204.8	860.8	672.2	188.52	4.566		
20,400.0	8,575.0	19,403.9	7,717.0	289.1	289.2	0.01	-791.2	11,304.7	859.1	669.0	190.08	4.520		
20,500.0	8,575.0	19,496.1	7,718.7	291.5	291.4	0.01	-791.1	11,404.7	857.4	665.8	191.59	4.475		
20,600.0	8,575.0	19,604.0	7,720.4	294.0	294.1	0.01	-790.9	11,504.7	855.7	662.5	193.21	4.429		
20,700.0	8,575.0	19,704.0	7,722.1	296.4	296.5	0.01	-790.8	11,604.7	854.0	659.3	194.77	4.385		
20,800.0	8,575.0	19,796.0	7,723.8	298.9	298.8	0.00	-790.7	11,704.6	852.3	656.1	196.27	4.343		
20,900.0	8,575.0	19,896.0	7,725.5	301.3	301.2	0.00	-790.6	11,804.6	850.7	652.8	197.84	4.300		
21,000.0	8,575.0	20,004.0	7,727.1	303.7	303.9	0.00	-790.4	11,904.6	849.0	649.5	199.46	4.256		
21,100.0	8,575.0	20,096.0	7,728.8	306.2	306.1	0.00	-790.3	12,004.5	847.3	646.3	200.96	4.216		
21,200.0	8,575.0	20,196.0	7,730.5	308.6	308.5	0.00	-790.2	12,104.5	845.6	643.1	202.53	4.175		
21,213.6	8,575.0	20,196.6	7,730.5	309.0	308.6	0.00	-790.2	12,105.2	845.5	642.7	202.79	4.169		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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	-0.20	29.9	-0.1	29.9				
100.0	100.0	101.0	99.0	0.1	0.1	-0.20	29.9	-0.1	29.9	29.6	0.26	114.930	
200.0	200.0	201.0	199.0	0.5	0.5	-0.20	29.9	-0.1	29.9	28.9	0.98	30.578	
300.0	300.0	301.0	299.0	0.8	0.8	-0.20	29.9	-0.1	29.9	28.2	1.69	17.635	
400.0	400.0	401.0	399.0	1.2	1.2	-0.20	29.9	-0.1	29.9	27.5	2.41	12.390	
500.0	500.0	501.0	499.0	1.6	1.6	-0.20	29.9	-0.1	29.9	26.7	3.13	9.550	
600.0	600.0	601.0	599.0	1.9	1.9	-0.20	29.9	-0.1	29.9	26.0	3.84	7.769	
700.0	700.0	701.0	699.0	2.3	2.3	-0.20	29.9	-0.1	29.9	25.3	4.56	6.548	
800.0	800.0	801.0	799.0	2.6	2.6	-0.20	29.9	-0.1	29.9	24.6	5.28	5.659	
900.0	900.0	901.0	899.0	3.0	3.0	-0.20	29.9	-0.1	29.9	23.9	6.00	4.982	
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-0.20	29.9	-0.1	29.9	23.2	6.71	4.450	CC, ES
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	141.56	29.9	-0.1	31.5	24.1	7.41	4.255	
1,200.0	1,199.7	1,201.3	1,198.7	4.0	4.1	147.81	29.9	-0.1	36.9	28.8	8.11	4.551	
1,300.0	1,299.1	1,301.9	1,298.1	4.4	4.4	154.87	29.9	-0.1	46.5	37.7	8.81	5.276	
1,372.0	1,370.4	1,369.4	1,369.4	4.6	4.7	159.33	29.9	-0.1	56.2	46.9	9.30	6.042	
1,400.0	1,398.0	1,403.0	1,397.0	4.7	4.8	160.85	29.9	-0.1	60.5	50.9	9.52	6.351	
1,500.0	1,496.7	1,495.7	1,495.7	5.1	5.1	164.85	29.9	-0.1	75.9	65.7	10.19	7.449	
1,600.0	1,595.4	1,594.0	1,594.0	5.5	5.5	166.51	30.7	-1.4	91.8	80.9	10.89	8.433	
1,700.0	1,694.1	1,692.3	1,692.1	5.9	5.8	165.88	33.5	-5.4	108.1	96.5	11.58	9.335	
1,800.0	1,792.7	1,790.2	1,789.7	6.3	6.2	163.87	38.1	-12.2	124.9	112.7	12.28	10.172	
1,900.0	1,891.4	1,887.5	1,886.4	6.7	6.5	161.02	44.6	-21.7	142.6	129.6	12.99	10.973	
2,000.0	1,990.1	1,984.1	1,981.8	7.1	6.9	157.66	52.9	-33.8	161.3	147.6	13.71	11.769	
2,100.0	2,088.8	2,081.4	2,077.6	7.5	7.3	154.33	62.3	-47.7	181.2	166.7	14.44	12.547	
2,200.0	2,187.5	2,178.9	2,173.6	7.9	7.6	151.64	71.9	-61.7	201.6	186.4	15.19	13.271	
2,300.0	2,286.2	2,276.4	2,269.7	8.3	8.0	149.44	81.4	-75.7	222.3	206.3	15.94	13.941	
2,400.0	2,384.9	2,373.9	2,365.7	8.8	8.4	147.62	91.0	-89.7	243.3	226.5	16.71	14.560	
2,500.0	2,483.5	2,471.4	2,461.7	9.2	8.8	146.08	100.5	-103.7	264.4	247.0	17.47	15.132	
2,600.0	2,582.2	2,568.9	2,557.7	9.6	9.2	144.78	110.0	-117.7	285.8	267.5	18.25	15.660	
2,700.0	2,680.9	2,666.4	2,653.8	10.1	9.6	143.65	119.6	-131.7	307.2	288.2	19.03	16.147	
2,800.0	2,779.6	2,763.9	2,749.8	10.5	10.0	142.68	129.1	-145.7	328.8	309.0	19.81	16.598	
2,900.0	2,878.3	2,861.4	2,845.8	10.9	10.4	141.82	138.6	-159.7	350.4	329.8	20.59	17.016	
3,000.0	2,977.0	2,958.9	2,941.8	11.3	10.8	141.06	148.2	-173.7	372.1	350.7	21.38	17.404	
3,100.0	3,075.7	3,056.4	3,037.9	11.8	11.2	140.39	157.7	-187.6	393.9	371.7	22.17	17.765	
3,200.0	3,174.3	3,153.9	3,133.9	12.2	11.7	139.78	167.3	-201.6	415.7	392.7	22.96	18.102	
3,300.0	3,273.0	3,251.5	3,229.9	12.6	12.1	139.24	176.8	-215.6	437.5	413.7	23.76	18.416	
3,400.0	3,371.7	3,349.0	3,325.9	13.1	12.5	138.75	186.3	-229.6	459.4	434.8	24.55	18.710	
3,500.0	3,470.4	3,446.5	3,422.0	13.5	12.9	138.30	195.9	-243.6	481.3	455.9	25.35	18.985	
3,600.0	3,569.1	3,544.0	3,518.0	14.0	13.3	137.89	205.4	-257.6	503.2	477.1	26.15	19.244	
3,700.0	3,667.8	3,641.5	3,614.0	14.4	13.8	137.52	214.9	-271.6	525.2	498.2	26.95	19.487	
3,800.0	3,766.5	3,739.0	3,710.0	14.8	14.2	137.17	224.5	-285.6	547.1	519.4	27.75	19.716	
3,900.0	3,865.1	3,836.5	3,806.0	15.3	14.6	136.85	234.0	-299.6	569.1	540.6	28.55	19.932	
4,000.0	3,963.8	3,934.0	3,902.1	15.7	15.0	136.56	243.5	-313.6	591.1	561.8	29.36	20.136	
4,100.0	4,062.5	4,031.5	3,998.1	16.1	15.5	136.29	253.1	-327.6	613.2	583.0	30.16	20.329	
4,200.0	4,161.2	4,129.0	4,094.1	16.6	15.9	136.03	262.6	-341.5	635.2	604.2	30.97	20.511	
4,300.0	4,259.9	4,226.5	4,190.1	17.0	16.3	135.79	272.2	-355.5	657.2	625.5	31.77	20.685	
4,400.0	4,358.6	4,324.0	4,286.2	17.5	16.8	135.57	281.7	-369.5	679.3	646.7	32.58	20.849	
4,500.0	4,457.3	4,421.5	4,382.2	17.9	17.2	135.37	291.2	-383.5	701.3	668.0	33.39	21.006	
4,600.0	4,555.9	4,519.0	4,478.2	18.3	17.6	135.17	300.8	-397.5	723.4	689.2	34.20	21.155	
4,700.0	4,654.6	4,616.5	4,574.2	18.8	18.1	134.99	310.3	-411.5	745.5	710.5	35.01	21.297	
4,800.0	4,753.3	4,714.0	4,670.3	19.2	18.5	134.81	319.8	-425.5	767.6	731.8	35.81	21.432	
4,900.0	4,852.0	4,811.5	4,766.3	19.7	18.9	134.65	329.4	-439.5	789.7	753.0	36.62	21.561	
5,000.0	4,950.7	4,909.0	4,862.3	20.1	19.3	134.50	338.9	-453.5	811.8	774.3	37.43	21.685	

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	5,049.4	5,006.6	4,958.3	20.6	19.8	134.35	348.5	-467.5	833.9	795.6	38.25	21.803		
5,200.0	5,148.1	5,104.1	5,054.4	21.0	20.2	134.21	358.0	-481.4	856.0	816.9	39.06	21.916		
5,300.0	5,246.7	5,201.6	5,150.4	21.4	20.6	134.08	367.5	-495.4	878.1	838.2	39.87	22.025		
5,400.0	5,345.4	5,299.1	5,246.4	21.9	21.1	133.95	377.1	-509.4	900.2	859.5	40.68	22.129		
5,500.0	5,444.1	5,403.4	5,342.4	22.3	21.5	133.83	386.6	-523.4	922.3	880.8	41.52	22.213		
5,600.0	5,542.8	5,505.9	5,438.5	22.8	22.0	133.72	396.1	-537.4	944.4	902.1	42.35	22.298		
5,700.0	5,641.5	5,608.4	5,534.5	23.2	22.5	133.61	405.7	-551.4	966.6	923.4	43.19	22.380		
5,800.0	5,740.2	5,689.1	5,630.5	23.7	22.8	133.51	415.2	-565.4	988.7	944.8	43.93	22.506		
5,900.0	5,838.9	5,786.6	5,726.5	24.1	23.3	133.41	424.7	-579.4	1,010.8	966.1	44.74	22.591		
6,000.0	5,937.5	5,884.1	5,822.6	24.5	23.7	133.31	434.3	-593.4	1,033.0	987.4	45.56	22.674		
6,100.0	6,036.2	5,981.6	5,918.6	25.0	24.1	133.22	443.8	-607.4	1,055.1	1,008.7	46.37	22.753		
6,200.0	6,134.9	6,079.1	6,014.6	25.4	24.6	133.14	453.4	-621.3	1,077.2	1,030.1	47.19	22.830		
6,300.0	6,233.6	6,176.6	6,110.6	25.9	25.0	133.05	462.9	-635.3	1,099.4	1,051.4	48.00	22.903		
6,400.0	6,332.3	6,274.1	6,206.7	26.3	25.4	132.97	472.4	-649.3	1,121.5	1,072.7	48.82	22.975		
6,500.0	6,431.0	6,371.6	6,302.7	26.8	25.9	132.90	482.0	-663.3	1,143.7	1,094.0	49.63	23.044		
6,600.0	6,529.6	6,469.1	6,398.7	27.2	26.3	132.82	491.5	-677.3	1,165.8	1,115.4	50.45	23.110		
6,700.0	6,628.3	6,600.9	6,528.8	27.6	26.9	132.81	503.1	-694.3	1,187.0	1,135.4	51.54	23.032		
6,800.0	6,727.0	6,748.7	6,675.9	28.1	27.5	133.13	511.2	-706.2	1,204.3	1,151.7	52.63	22.881		
6,900.0	6,825.7	6,897.4	6,824.5	28.5	28.0	133.78	513.9	-710.2	1,217.6	1,164.0	53.60	22.717		
7,000.0	6,924.4	7,003.7	6,923.4	29.0	28.3	134.32	513.9	-710.2	1,228.9	1,174.5	54.34	22.616		
7,100.0	7,023.1	7,105.0	7,022.1	29.4	28.6	134.85	513.9	-710.2	1,240.3	1,185.2	55.06	22.526		
7,200.0	7,121.8	7,206.3	7,120.8	29.9	28.9	135.38	513.9	-710.2	1,251.8	1,196.0	55.78	22.441		
7,300.0	7,220.4	7,307.7	7,219.4	30.3	29.2	135.89	513.9	-710.2	1,263.4	1,206.9	56.50	22.360		
7,400.0	7,319.1	7,409.0	7,318.1	30.7	29.5	136.39	513.9	-710.2	1,275.2	1,217.9	57.22	22.284		
7,466.5	7,384.7	7,456.6	7,383.7	31.0	29.7	136.72	513.9	-710.2	1,283.0	1,225.4	57.64	22.259		
7,500.0	7,417.8	7,489.7	7,416.8	31.2	29.8	136.92	513.9	-710.2	1,286.9	1,229.0	57.88	22.235		
7,600.0	7,516.9	7,588.8	7,515.9	31.6	30.1	137.44	513.9	-710.2	1,297.2	1,238.6	58.58	22.144		
7,700.0	7,616.2	7,688.1	7,615.2	32.0	30.4	137.87	513.9	-710.2	1,305.6	1,246.4	59.27	22.028		
7,800.0	7,715.8	7,787.7	7,714.8	32.4	30.7	138.19	513.9	-710.2	1,312.2	1,252.2	59.96	21.886		
7,900.0	7,815.6	7,887.5	7,814.6	32.8	31.0	138.41	513.9	-710.2	1,316.8	1,256.2	60.63	21.719		
8,000.0	7,915.5	7,987.4	7,914.5	33.1	31.4	138.54	513.9	-710.2	1,319.5	1,258.2	61.29	21.527		
8,086.5	8,002.0	8,073.9	8,001.0	33.3	31.6	-0.61	513.9	-710.2	1,320.2	1,258.4	61.85	21.345		
8,100.0	8,015.5	8,087.7	8,014.8	33.4	31.7	-90.41	513.9	-710.1	1,320.2	1,258.3	61.93	21.317		
8,150.0	8,065.4	8,138.8	8,065.8	33.5	31.8	-90.41	513.9	-706.7	1,320.2	1,258.0	62.21	21.222		
8,200.0	8,114.8	8,189.9	8,116.3	33.6	31.9	-90.41	514.0	-698.7	1,320.2	1,257.8	62.45	21.141		
8,250.0	8,163.3	8,241.0	8,165.8	33.7	32.0	-90.40	514.0	-686.3	1,320.2	1,257.5	62.65	21.073		
8,300.0	8,210.6	8,292.1	8,214.0	33.8	32.1	-90.40	514.0	-669.5	1,320.1	1,257.3	62.82	21.016		
8,350.0	8,256.3	8,343.1	8,260.5	33.8	32.2	-90.38	514.0	-648.6	1,320.1	1,257.1	62.96	20.968		
8,400.0	8,300.1	8,394.1	8,305.0	33.9	32.2	-90.37	514.0	-623.6	1,320.0	1,257.0	63.07	20.929		
8,450.0	8,341.6	8,445.1	8,347.0	33.9	32.3	-90.35	514.1	-594.7	1,320.0	1,256.8	63.18	20.894		
8,500.0	8,380.6	8,496.0	8,386.2	33.9	32.3	-90.33	514.1	-562.3	1,319.9	1,256.6	63.27	20.861		
8,550.0	8,416.6	8,546.9	8,422.4	33.9	32.4	-90.31	514.2	-526.6	1,319.8	1,256.4	63.37	20.826		
8,600.0	8,449.5	8,597.6	8,455.2	33.9	32.4	-90.29	514.2	-487.9	1,319.7	1,256.2	63.49	20.786		
8,650.0	8,479.0	8,648.3	8,484.4	33.9	32.4	-90.26	514.3	-446.4	1,319.6	1,256.0	63.64	20.736		
8,700.0	8,504.8	8,699.0	8,509.8	33.9	32.5	-90.23	514.3	-402.7	1,319.5	1,255.7	63.82	20.675		
8,750.0	8,526.9	8,749.5	8,531.2	33.8	32.5	-90.20	514.4	-356.9	1,319.4	1,255.4	64.06	20.597		
8,800.0	8,544.9	8,800.0	8,548.5	33.8	32.6	-90.17	514.4	-309.5	1,319.3	1,255.0	64.35	20.503		
8,850.0	8,558.8	8,850.3	8,561.5	33.8	32.8	-90.13	514.5	-260.9	1,319.2	1,254.5	64.70	20.389		
8,900.0	8,568.4	8,900.6	8,570.1	33.7	32.9	-90.10	514.6	-211.4	1,319.1	1,254.0	65.11	20.258		
8,950.0	8,573.8	8,950.8	8,574.5	33.7	33.1	-90.06	514.6	-161.4	1,319.0	1,253.4	65.59	20.111		
8,986.5	8,575.0	8,987.3	8,575.0	33.7	33.3	-90.05	514.7	-124.9	1,318.9	1,252.9	65.97	19.993		
8,992.9	8,575.0	8,993.8	8,575.1	33.8	33.3	-90.05	514.7	-118.4	1,318.9	1,252.8	66.04	19.972		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
8,993.2	8,575.0	8,994.0	8,575.1	33.8	33.3	-90.05	514.7	-118.2	1,318.9	1,252.8	66.04	19.971		
9,000.0	8,575.0	9,000.8	8,575.1	33.8	33.4	-90.05	514.7	-111.3	1,318.9	1,252.8	66.12	19.948		
9,100.0	8,575.0	9,100.8	8,575.5	33.9	34.0	-90.07	514.8	-11.3	1,318.9	1,251.5	67.43	19.561		
9,200.0	8,575.0	9,200.8	8,575.7	34.4	34.8	-90.08	514.9	88.6	1,318.9	1,249.8	69.06	19.098		
9,300.0	8,575.0	9,300.8	8,575.8	35.3	35.7	-90.08	515.0	188.6	1,318.9	1,247.9	71.00	18.577		
9,400.0	8,575.0	9,400.8	8,575.8	36.3	36.9	-90.08	515.2	288.6	1,318.9	1,245.7	73.21	18.016		
9,500.0	8,575.0	9,500.8	8,575.8	37.6	38.1	-90.08	515.3	388.6	1,318.9	1,243.2	75.68	17.428		
9,600.0	8,575.0	9,600.8	8,575.8	38.9	39.5	-90.08	515.4	488.6	1,318.9	1,240.5	78.38	16.828		
9,700.0	8,575.0	9,700.8	8,575.8	40.4	41.0	-90.08	515.5	588.6	1,318.9	1,237.6	81.28	16.226		
9,800.0	8,575.0	9,800.8	8,575.8	41.9	42.5	-90.08	515.7	688.6	1,318.9	1,234.6	84.38	15.631		
9,900.0	8,575.0	9,900.8	8,575.8	43.6	44.2	-90.08	515.8	788.6	1,318.9	1,231.3	87.64	15.050		
10,000.0	8,575.0	10,000.8	8,575.8	45.3	45.9	-90.08	515.9	888.6	1,319.0	1,227.9	91.04	14.487		
10,100.0	8,575.0	10,100.8	8,575.8	47.0	47.7	-90.08	516.0	988.6	1,319.0	1,224.4	94.58	13.945		
10,200.0	8,575.0	10,200.8	8,575.8	48.9	49.5	-90.08	516.2	1,088.6	1,319.0	1,220.7	98.24	13.426		
10,300.0	8,575.0	10,300.8	8,575.8	50.8	51.4	-90.08	516.3	1,188.6	1,319.0	1,217.0	102.01	12.930		
10,400.0	8,575.0	10,400.8	8,575.8	52.7	53.3	-90.08	516.4	1,288.6	1,319.0	1,213.1	105.86	12.459		
10,500.0	8,575.0	10,500.8	8,575.8	54.7	55.3	-90.08	516.5	1,388.6	1,319.0	1,209.2	109.81	12.012		
10,600.0	8,575.0	10,600.8	8,575.8	56.7	57.3	-90.08	516.7	1,488.6	1,319.0	1,205.2	113.82	11.588		
10,700.0	8,575.0	10,700.8	8,575.7	58.7	59.4	-90.08	516.8	1,588.6	1,319.0	1,201.1	117.91	11.187		
10,800.0	8,575.0	10,800.8	8,575.7	60.8	61.4	-90.08	516.9	1,688.6	1,319.0	1,197.0	122.06	10.807		
10,900.0	8,575.0	10,900.8	8,575.7	62.9	63.5	-90.08	517.0	1,788.6	1,319.0	1,192.8	126.26	10.447		
11,000.0	8,575.0	11,000.8	8,575.7	65.0	65.7	-90.08	517.2	1,888.6	1,319.1	1,188.5	130.51	10.107		
11,100.0	8,575.0	11,100.8	8,575.7	67.1	67.8	-90.08	517.3	1,988.6	1,319.1	1,184.3	134.80	9.785		
11,200.0	8,575.0	11,200.8	8,575.7	69.3	70.0	-90.08	517.4	2,088.6	1,319.1	1,179.9	139.14	9.480		
11,300.0	8,575.0	11,300.8	8,575.7	71.5	72.2	-90.08	517.5	2,188.6	1,319.1	1,175.6	143.51	9.191		
11,400.0	8,575.0	11,400.8	8,575.7	73.7	74.4	-90.08	517.7	2,288.6	1,319.1	1,171.2	147.92	8.918		
11,500.0	8,575.0	11,500.8	8,575.7	75.9	76.6	-90.07	517.8	2,388.6	1,319.1	1,166.7	152.36	8.658		
11,600.0	8,575.0	11,600.8	8,575.7	78.2	78.8	-90.07	517.9	2,488.6	1,319.1	1,162.3	156.82	8.411		
11,700.0	8,575.0	11,700.8	8,575.7	80.4	81.1	-90.07	518.0	2,588.6	1,319.1	1,157.8	161.32	8.177		
11,800.0	8,575.0	11,800.8	8,575.7	82.7	83.3	-90.07	518.1	2,688.6	1,319.1	1,153.3	165.83	7.955		
11,900.0	8,575.0	11,900.8	8,575.7	84.9	85.6	-90.07	518.3	2,788.6	1,319.1	1,148.8	170.37	7.743		
12,000.0	8,575.0	12,000.8	8,575.7	87.2	87.9	-90.07	518.4	2,888.6	1,319.1	1,144.2	174.93	7.541		
12,100.0	8,575.0	12,100.8	8,575.6	89.5	90.2	-90.07	518.5	2,988.6	1,319.2	1,139.6	179.51	7.349		
12,200.0	8,575.0	12,200.8	8,575.6	91.8	92.5	-90.07	518.6	3,088.6	1,319.2	1,135.1	184.10	7.165		
12,300.0	8,575.0	12,300.8	8,575.6	94.1	94.8	-90.07	518.8	3,188.6	1,319.2	1,130.5	188.71	6.990		
12,400.0	8,575.0	12,400.8	8,575.6	96.4	97.1	-90.07	518.9	3,288.6	1,319.2	1,125.8	193.34	6.823		
12,500.0	8,575.0	12,500.8	8,575.6	98.7	99.4	-90.07	519.0	3,388.6	1,319.2	1,121.2	197.97	6.663		
12,600.0	8,575.0	12,600.8	8,575.6	101.0	101.7	-90.07	519.1	3,488.6	1,319.2	1,116.6	202.63	6.511		
12,700.0	8,575.0	12,700.8	8,575.6	103.4	104.1	-90.07	519.3	3,588.6	1,319.2	1,111.9	207.29	6.364		
12,800.0	8,575.0	12,800.8	8,575.6	105.7	106.4	-90.07	519.4	3,688.6	1,319.2	1,107.3	211.96	6.224		
12,900.0	8,575.0	12,900.8	8,575.6	108.0	108.8	-90.07	519.5	3,788.6	1,319.2	1,102.6	216.65	6.089		
13,000.0	8,575.0	13,000.8	8,575.6	110.4	111.1	-90.07	519.6	3,888.6	1,319.2	1,097.9	221.34	5.960		
13,100.0	8,575.0	13,100.8	8,575.6	112.7	113.5	-90.07	519.8	3,988.6	1,319.2	1,093.2	226.05	5.836		
13,200.0	8,575.0	13,200.8	8,575.6	115.1	115.8	-90.07	519.9	4,088.6	1,319.3	1,088.5	230.76	5.717		
13,300.0	8,575.0	13,300.8	8,575.6	117.5	118.2	-90.07	520.0	4,188.6	1,319.3	1,083.8	235.48	5.602		
13,400.0	8,575.0	13,400.8	8,575.6	119.8	120.5	-90.07	520.1	4,288.6	1,319.3	1,079.1	240.21	5.492		
13,500.0	8,575.0	13,500.8	8,575.5	122.2	122.9	-90.07	520.3	4,388.6	1,319.3	1,074.3	244.95	5.386		
13,600.0	8,575.0	13,600.8	8,575.5	124.6	125.3	-90.07	520.4	4,488.6	1,319.3	1,069.6	249.69	5.284		
13,700.0	8,575.0	13,700.8	8,575.5	126.9	127.6	-90.07	520.5	4,588.6	1,319.3	1,064.9	254.44	5.185		
13,800.0	8,575.0	13,800.8	8,575.5	129.3	130.0	-90.07	520.6	4,688.6	1,319.3	1,060.1	259.20	5.090		
13,900.0	8,575.0	13,900.8	8,575.5	131.7	132.4	-90.07	520.8	4,788.6	1,319.3	1,055.4	263.96	4.998		
14,000.0	8,575.0	14,000.8	8,575.5	134.1	134.8	-90.07	520.9	4,888.6	1,319.3	1,050.6	268.72	4.910		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,100.0	8,575.0	14,100.8	8,575.5	136.4	137.2	-90.07	521.0	4,988.6	1,319.3	1,045.8	273.49	4.824		
14,200.0	8,575.0	14,200.8	8,575.5	138.8	139.6	-90.07	521.1	5,088.6	1,319.3	1,041.1	278.27	4.741		
14,300.0	8,575.0	14,300.8	8,575.5	141.2	142.0	-90.07	521.3	5,188.6	1,319.4	1,036.3	283.05	4.661		
14,400.0	8,575.0	14,400.8	8,575.5	143.6	144.3	-90.07	521.4	5,288.6	1,319.4	1,031.5	287.84	4.584		
14,500.0	8,575.0	14,500.8	8,575.5	146.0	146.7	-90.07	521.5	5,388.6	1,319.4	1,026.7	292.63	4.509		
14,600.0	8,575.0	14,600.8	8,575.5	148.4	149.1	-90.06	521.6	5,488.6	1,319.4	1,022.0	297.42	4.436		
14,700.0	8,575.0	14,700.8	8,575.5	150.8	151.5	-90.06	521.8	5,588.6	1,319.4	1,017.2	302.22	4.366		
14,800.0	8,575.0	14,800.8	8,575.5	153.2	153.9	-90.06	521.9	5,688.6	1,319.4	1,012.4	307.02	4.297		
14,900.0	8,575.0	14,900.8	8,575.4	155.6	156.3	-90.06	522.0	5,788.6	1,319.4	1,007.6	311.82	4.231		
15,000.0	8,575.0	15,000.8	8,575.4	158.0	158.7	-90.06	522.1	5,888.6	1,319.4	1,002.8	316.63	4.167		
15,100.0	8,575.0	15,100.8	8,575.4	160.4	161.1	-90.06	522.2	5,988.6	1,319.4	998.0	321.44	4.105		
15,200.0	8,575.0	15,200.8	8,575.4	162.8	163.6	-90.06	522.4	6,088.6	1,319.4	993.2	326.26	4.044		
15,300.0	8,575.0	15,300.8	8,575.4	165.2	166.0	-90.06	522.5	6,188.6	1,319.4	988.4	331.07	3.985		
15,400.0	8,575.0	15,400.8	8,575.4	167.6	168.4	-90.06	522.6	6,288.6	1,319.5	983.6	335.89	3.928		
15,500.0	8,575.0	15,500.8	8,575.4	170.0	170.8	-90.06	522.7	6,388.6	1,319.5	978.8	340.71	3.873		
15,600.0	8,575.0	15,600.8	8,575.4	172.5	173.2	-90.06	522.9	6,488.6	1,319.5	973.9	345.54	3.819		
15,700.0	8,575.0	15,700.8	8,575.4	174.9	175.6	-90.06	523.0	6,588.6	1,319.5	969.1	350.37	3.766		
15,800.0	8,575.0	15,800.8	8,575.4	177.3	178.0	-90.06	523.1	6,688.6	1,319.5	964.3	355.20	3.715		
15,900.0	8,575.0	15,900.8	8,575.4	179.7	180.4	-90.06	523.2	6,788.6	1,319.5	959.5	360.03	3.665		
16,000.0	8,575.0	16,000.8	8,575.4	182.1	182.9	-90.06	523.4	6,888.6	1,319.5	954.7	364.86	3.616		
16,100.0	8,575.0	16,100.8	8,575.4	184.5	185.3	-90.06	523.5	6,988.6	1,319.5	949.8	369.70	3.569		
16,200.0	8,575.0	16,200.8	8,575.4	187.0	187.7	-90.06	523.6	7,088.6	1,319.5	945.0	374.54	3.523		
16,300.0	8,575.0	16,300.8	8,575.3	189.4	190.1	-90.06	523.7	7,188.6	1,319.5	940.2	379.38	3.478		
16,400.0	8,575.0	16,400.8	8,575.3	191.8	192.5	-90.06	523.9	7,288.6	1,319.6	935.3	384.22	3.434		
16,500.0	8,575.0	16,500.8	8,575.3	194.2	194.9	-90.06	524.0	7,388.6	1,319.6	930.5	389.06	3.392		
16,600.0	8,575.0	16,600.8	8,575.3	196.6	197.4	-90.06	524.1	7,488.6	1,319.6	925.7	393.91	3.350		
16,700.0	8,575.0	16,700.8	8,575.3	199.1	199.8	-90.06	524.2	7,588.6	1,319.6	920.8	398.75	3.309		
16,800.0	8,575.0	16,800.8	8,575.3	201.5	202.2	-90.06	524.4	7,688.6	1,319.6	916.0	403.60	3.270		
16,900.0	8,575.0	16,900.8	8,575.3	203.9	204.6	-90.06	524.5	7,788.6	1,319.6	911.1	408.45	3.231		
17,000.0	8,575.0	17,000.8	8,575.3	206.3	207.1	-90.06	524.6	7,888.6	1,319.6	906.3	413.30	3.193		
17,100.0	8,575.0	17,100.8	8,575.3	208.8	209.5	-90.06	524.7	7,988.6	1,319.6	901.5	418.15	3.156		
17,200.0	8,575.0	17,200.8	8,575.3	211.2	211.9	-90.06	524.9	8,088.6	1,319.6	896.6	423.01	3.120		
17,300.0	8,575.0	17,300.8	8,575.3	213.6	214.3	-90.06	525.0	8,188.6	1,319.6	891.8	427.86	3.084		
17,400.0	8,575.0	17,400.8	8,575.3	216.0	216.8	-90.06	525.1	8,288.6	1,319.6	886.9	432.72	3.050		
17,500.0	8,575.0	17,500.8	8,575.3	218.5	219.2	-90.06	525.2	8,388.6	1,319.7	882.1	437.58	3.016		
17,600.0	8,575.0	17,600.8	8,575.3	220.9	221.6	-90.06	525.4	8,488.6	1,319.7	877.2	442.44	2.983		
17,700.0	8,575.0	17,700.8	8,575.2	223.3	224.1	-90.05	525.5	8,588.6	1,319.7	872.4	447.30	2.950		
17,800.0	8,575.0	17,800.8	8,575.2	225.8	226.5	-90.05	525.6	8,688.6	1,319.7	867.5	452.16	2.919		
17,900.0	8,575.0	17,900.8	8,575.2	228.2	228.9	-90.05	525.7	8,788.6	1,319.7	862.7	457.02	2.888		
18,000.0	8,575.0	18,000.8	8,575.2	230.6	231.4	-90.05	525.9	8,888.6	1,319.7	857.8	461.88	2.857		
18,100.0	8,575.0	18,100.8	8,575.2	233.0	233.8	-90.05	526.0	8,988.6	1,319.7	853.0	466.75	2.827		
18,200.0	8,575.0	18,200.8	8,575.2	235.5	236.2	-90.05	526.1	9,088.6	1,319.7	848.1	471.61	2.798		
18,300.0	8,575.0	18,300.8	8,575.2	237.9	238.7	-90.05	526.2	9,188.6	1,319.7	843.2	476.48	2.770		
18,400.0	8,575.0	18,400.8	8,575.2	240.3	241.1	-90.05	526.3	9,288.6	1,319.7	838.4	481.35	2.742		
18,500.0	8,575.0	18,500.8	8,575.2	242.8	243.5	-90.05	526.5	9,388.6	1,319.7	833.5	486.22	2.714		
18,600.0	8,575.0	18,600.8	8,575.2	245.2	246.0	-90.05	526.6	9,488.6	1,319.8	828.7	491.09	2.687		
18,700.0	8,575.0	18,700.8	8,575.2	247.6	248.4	-90.05	526.7	9,588.6	1,319.8	823.8	495.96	2.661		
18,800.0	8,575.0	18,800.8	8,575.2	250.1	250.8	-90.05	526.8	9,688.6	1,319.8	818.9	500.83	2.635		
18,900.0	8,575.0	18,900.8	8,575.2	252.5	253.3	-90.05	527.0	9,788.6	1,319.8	814.1	505.70	2.610		
19,000.0	8,575.0	19,000.8	8,575.2	255.0	255.7	-90.05	527.1	9,888.6	1,319.8	809.2	510.57	2.585		
19,100.0	8,575.0	19,100.8	8,575.1	257.4	258.1	-90.05	527.2	9,988.6	1,319.8	804.4	515.44	2.561		
19,200.0	8,575.0	19,200.8	8,575.1	259.8	260.6	-90.05	527.3	10,088.6	1,319.8	799.5	520.32	2.537		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design Simon Camamile Fed Com - Simon Camamile Fed Com #125H - 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	8,575.0	19,300.8	8,575.1	262.3	263.0	-90.05	527.5	10,188.6	1,319.8	794.6	525.19	2.513	
19,400.0	8,575.0	19,400.8	8,575.1	264.7	265.4	-90.05	527.6	10,288.6	1,319.8	789.8	530.07	2.490	
19,500.0	8,575.0	19,500.8	8,575.1	267.1	267.9	-90.05	527.7	10,388.6	1,319.8	784.9	534.94	2.467	
19,600.0	8,575.0	19,600.8	8,575.1	269.6	270.3	-90.05	527.8	10,488.6	1,319.8	780.0	539.82	2.445	
19,700.0	8,575.0	19,700.8	8,575.1	272.0	272.8	-90.05	528.0	10,588.6	1,319.9	775.2	544.70	2.423	
19,800.0	8,575.0	19,800.8	8,575.1	274.5	275.2	-90.05	528.1	10,688.6	1,319.9	770.3	549.57	2.402	
19,900.0	8,575.0	19,900.8	8,575.1	276.9	277.6	-90.05	528.2	10,788.6	1,319.9	765.4	554.45	2.381	
20,000.0	8,575.0	20,000.8	8,575.1	279.3	280.1	-90.05	528.3	10,888.6	1,319.9	760.6	559.33	2.360	
20,100.0	8,575.0	20,100.8	8,575.1	281.8	282.5	-90.05	528.5	10,988.6	1,319.9	755.7	564.21	2.339	
20,200.0	8,575.0	20,200.8	8,575.1	284.2	285.0	-90.05	528.6	11,088.6	1,319.9	750.8	569.09	2.319	
20,300.0	8,575.0	20,300.8	8,575.1	286.6	287.4	-90.05	528.7	11,188.6	1,319.9	745.9	573.97	2.300	
20,400.0	8,575.0	20,400.8	8,575.1	289.1	289.8	-90.05	528.8	11,288.6	1,319.9	741.1	578.85	2.280	
20,500.0	8,575.0	20,500.8	8,575.1	291.5	292.3	-90.05	529.0	11,388.6	1,319.9	736.2	583.73	2.261	
20,600.0	8,575.0	20,600.8	8,575.0	294.0	294.7	-90.05	529.1	11,488.6	1,319.9	731.3	588.62	2.242	
20,700.0	8,575.0	20,700.8	8,575.0	296.4	297.2	-90.05	529.2	11,588.6	1,319.9	726.4	593.50	2.224	
20,800.0	8,575.0	20,800.8	8,575.0	298.9	299.6	-90.04	529.3	11,688.6	1,320.0	721.6	598.38	2.206	
20,900.0	8,575.0	20,900.8	8,575.0	301.3	302.0	-90.04	529.5	11,788.6	1,320.0	716.7	603.26	2.188	
21,000.0	8,575.0	21,000.8	8,575.0	303.7	304.5	-90.04	529.6	11,888.6	1,320.0	711.8	608.15	2.170	
21,100.0	8,575.0	21,100.8	8,575.0	306.2	306.9	-90.04	529.7	11,988.6	1,320.0	707.0	613.03	2.153	
21,200.0	8,575.0	21,200.8	8,575.0	308.6	309.4	-90.04	529.8	12,088.6	1,320.0	702.1	617.92	2.136	
21,200.1	8,575.0	21,200.9	8,575.0	308.6	309.4	-90.04	529.8	12,088.7	1,320.0	702.1	617.92	2.136	
21,213.6	8,575.0	21,212.2	8,575.0	309.0	309.6	-90.04	529.8	12,100.0	1,320.0	701.5	618.52	2.134 SF	

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	0.0	0.0	0.0	0.0	-15.93	2,139.1	-610.4	2,224.8					
100.0	100.0	64.0	64.0	0.1	0.1	-15.93	2,139.1	-610.4	2,224.5	2,224.3	0.21	N/A		
200.0	200.0	164.0	164.0	0.5	0.4	-15.93	2,139.1	-610.4	2,224.5	2,223.7	0.84	2,635.069		
300.0	300.0	264.0	264.0	0.8	0.7	-15.93	2,139.1	-610.4	2,224.5	2,223.0	1.56	1,424.934		
400.0	400.0	364.0	364.0	1.2	1.1	-15.93	2,139.1	-610.4	2,224.5	2,222.2	2.28	976.489		
500.0	500.0	464.0	464.0	1.6	1.4	-15.93	2,139.1	-610.4	2,224.5	2,221.5	3.00	742.740		
600.0	600.0	564.0	564.0	1.9	1.8	-15.93	2,139.1	-610.4	2,224.5	2,220.8	3.71	599.284		
700.0	700.0	664.0	664.0	2.3	2.1	-15.93	2,139.1	-610.4	2,224.5	2,220.1	4.43	502.273		
800.0	800.0	764.0	764.0	2.6	2.5	-15.93	2,139.1	-610.4	2,224.5	2,219.4	5.15	432.295		
900.0	900.0	864.0	864.0	3.0	2.9	-15.93	2,139.1	-610.4	2,224.5	2,218.7	5.86	379.431		
1,000.0	1,000.0	964.0	964.0	3.4	3.2	-15.93	2,139.1	-610.4	2,224.5	2,217.9	6.58	338.087	CC, ES	
1,100.0	1,100.0	1,046.2	1,046.2	3.7	3.5	123.27	2,139.3	-610.5	2,226.0	2,218.8	7.22	308.418		
1,200.0	1,199.7	1,118.2	1,118.2	4.0	3.8	123.26	2,140.3	-610.9	2,231.0	2,223.2	7.81	285.700		
1,300.0	1,299.1	1,189.8	1,189.8	4.4	4.0	123.24	2,142.0	-611.7	2,239.7	2,231.2	8.41	266.416		
1,372.0	1,370.4	1,241.0	1,240.9	4.6	4.2	123.21	2,143.8	-612.5	2,248.1	2,239.3	8.84	254.246		
1,400.0	1,398.0	1,260.8	1,260.7	4.7	4.3	123.28	2,144.6	-612.8	2,251.9	2,242.8	9.01	249.843		
1,500.0	1,496.7	1,331.5	1,331.3	5.1	4.5	123.51	2,147.9	-614.3	2,266.0	2,256.3	9.62	235.474		
1,600.0	1,595.4	1,400.0	1,399.7	5.5	4.8	123.73	2,151.9	-616.1	2,281.3	2,271.1	10.23	223.002		
1,700.0	1,694.1	1,472.2	1,471.6	5.9	5.0	123.95	2,156.9	-618.3	2,297.9	2,287.1	10.85	211.693		
1,800.0	1,792.7	1,542.1	1,541.3	6.3	5.3	124.16	2,162.5	-620.9	2,315.8	2,304.3	11.47	201.830		
1,900.0	1,891.4	1,611.8	1,610.6	6.7	5.6	124.36	2,168.9	-623.7	2,334.8	2,322.8	12.09	193.074		
2,000.0	1,990.1	1,681.1	1,679.5	7.1	5.8	124.56	2,176.1	-626.9	2,355.1	2,342.4	12.71	185.277		
2,100.0	2,088.8	1,750.2	1,748.0	7.5	6.1	124.75	2,183.9	-630.4	2,376.6	2,363.3	13.33	178.312		
2,200.0	2,187.5	1,826.7	1,823.8	7.9	6.4	124.95	2,193.5	-634.6	2,399.3	2,385.3	13.98	171.656		
2,300.0	2,286.2	1,923.4	1,919.6	8.3	6.7	125.20	2,205.8	-640.1	2,422.3	2,407.6	14.72	164.593		
2,400.0	2,384.9	2,020.2	2,015.5	8.8	7.1	125.45	2,218.1	-645.6	2,445.3	2,429.9	15.46	158.180		
2,500.0	2,483.5	2,117.0	2,111.3	9.2	7.5	125.69	2,230.4	-651.1	2,468.4	2,452.2	16.20	152.335		
2,600.0	2,582.2	2,213.7	2,207.1	9.6	7.9	125.93	2,242.7	-656.6	2,491.5	2,474.6	16.95	146.988		
2,700.0	2,680.9	2,310.5	2,302.9	10.1	8.3	126.16	2,255.0	-662.0	2,514.7	2,497.0	17.70	142.081		
2,800.0	2,779.6	2,407.3	2,398.8	10.5	8.6	126.39	2,267.3	-667.5	2,537.9	2,519.4	18.45	137.564		
2,900.0	2,878.3	2,504.0	2,494.6	10.9	9.0	126.62	2,279.6	-673.0	2,561.1	2,541.9	19.20	133.392		
3,000.0	2,977.0	2,600.8	2,590.4	11.3	9.4	126.84	2,291.9	-678.5	2,584.4	2,564.4	19.95	129.529		
3,100.0	3,075.7	2,702.4	2,686.3	11.8	9.8	127.06	2,304.2	-684.0	2,607.7	2,587.0	20.72	125.834		
3,200.0	3,174.3	2,805.6	2,782.1	12.2	10.2	127.27	2,316.5	-689.5	2,631.0	2,609.5	21.50	122.366		
3,300.0	3,273.0	2,908.9	2,877.9	12.6	10.7	127.48	2,328.8	-694.9	2,654.4	2,632.1	22.28	119.138		
3,400.0	3,371.7	2,987.9	2,973.7	13.1	11.0	127.68	2,341.1	-700.4	2,677.8	2,654.9	22.97	116.580		
3,500.0	3,470.4	3,084.7	3,069.6	13.5	11.4	127.89	2,353.4	-705.9	2,701.3	2,677.6	23.73	113.854		
3,600.0	3,569.1	3,181.4	3,165.4	14.0	11.8	128.09	2,365.7	-711.4	2,724.8	2,700.3	24.48	111.294		
3,700.0	3,667.8	3,278.2	3,261.2	14.4	12.2	128.28	2,378.0	-716.9	2,748.3	2,723.0	25.24	108.888		
3,800.0	3,766.5	3,470.4	3,451.8	14.8	12.9	128.67	2,400.2	-726.8	2,771.1	2,744.7	26.45	104.766		
3,900.0	3,865.1	3,801.8	3,782.5	15.3	14.2	129.44	2,418.6	-735.0	2,787.2	2,759.1	28.17	98.946		
4,000.0	3,963.8	3,947.1	3,927.8	15.7	14.6	129.81	2,419.1	-735.2	2,797.8	2,768.7	29.09	96.190		
4,100.0	4,062.5	4,045.8	4,026.5	16.1	15.0	130.06	2,419.1	-735.2	2,808.3	2,778.4	29.84	94.120		
4,200.0	4,161.2	4,144.5	4,125.2	16.6	15.3	130.31	2,419.1	-735.2	2,818.8	2,788.2	30.59	92.153		
4,300.0	4,259.9	4,243.1	4,223.9	17.0	15.6	130.56	2,419.1	-735.2	2,829.3	2,798.0	31.34	90.282		
4,400.0	4,358.6	4,341.8	4,322.6	17.5	16.0	130.80	2,419.1	-735.2	2,839.9	2,807.9	32.09	88.501		
4,500.0	4,457.3	4,440.5	4,421.3	17.9	16.3	131.05	2,419.1	-735.2	2,850.6	2,817.8	32.84	86.803		
4,600.0	4,555.9	4,539.2	4,519.9	18.3	16.7	131.29	2,419.1	-735.2	2,861.3	2,827.7	33.59	85.182		
4,700.0	4,654.6	4,637.9	4,618.6	18.8	17.0	131.53	2,419.1	-735.2	2,872.1	2,837.8	34.34	83.635		
4,800.0	4,753.3	4,736.6	4,717.3	19.2	17.3	131.77	2,419.1	-735.2	2,882.9	2,847.8	35.09	82.155		
4,900.0	4,852.0	4,835.3	4,816.0	19.7	17.7	132.01	2,419.1	-735.2	2,893.8	2,857.9	35.84	80.739		
5,000.0	4,950.7	4,933.9	4,914.7	20.1	18.0	132.24	2,419.1	-735.2	2,904.7	2,868.1	36.59	79.383		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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	5,049.4	5,032.6	5,013.4	20.6	18.3	132.47	2,419.1	-735.2	2,915.7	2,878.3	37.34	78.083		
5,200.0	5,148.1	5,131.3	5,112.1	21.0	18.7	132.71	2,419.1	-735.2	2,926.7	2,888.6	38.09	76.836		
5,300.0	5,246.7	5,230.0	5,210.7	21.4	19.0	132.94	2,419.1	-735.2	2,937.7	2,898.9	38.84	75.639		
5,400.0	5,345.4	5,328.7	5,309.4	21.9	19.4	133.16	2,419.1	-735.2	2,948.9	2,909.3	39.59	74.489		
5,500.0	5,444.1	5,427.4	5,408.1	22.3	19.7	133.39	2,419.1	-735.2	2,960.0	2,919.7	40.34	73.383		
5,600.0	5,542.8	5,526.1	5,506.8	22.8	20.1	133.62	2,419.1	-735.2	2,971.2	2,930.1	41.08	72.319		
5,700.0	5,641.5	5,624.7	5,605.5	23.2	20.4	133.84	2,419.1	-735.2	2,982.5	2,940.6	41.83	71.295		
5,800.0	5,740.2	5,723.4	5,704.2	23.7	20.7	134.06	2,419.1	-735.2	2,993.8	2,951.2	42.58	70.308		
5,900.0	5,838.9	5,822.1	5,802.9	24.1	21.1	134.28	2,419.1	-735.2	3,005.1	2,961.8	43.33	69.357		
6,000.0	5,937.5	5,920.8	5,901.5	24.5	21.4	134.50	2,419.1	-735.2	3,016.5	2,972.4	44.07	68.440		
6,100.0	6,036.2	6,019.5	6,000.2	25.0	21.8	134.72	2,419.1	-735.2	3,027.9	2,983.1	44.82	67.554		
6,200.0	6,134.9	6,118.2	6,098.9	25.4	22.1	134.93	2,419.1	-735.2	3,039.4	2,993.8	45.57	66.699		
6,300.0	6,233.6	6,216.9	6,197.6	25.9	22.5	135.14	2,419.1	-735.2	3,050.9	3,004.6	46.31	65.873		
6,400.0	6,332.3	6,315.5	6,296.3	26.3	22.8	135.36	2,419.1	-735.2	3,062.4	3,015.4	47.06	65.074		
6,500.0	6,431.0	6,414.2	6,395.0	26.8	23.1	135.57	2,419.1	-735.2	3,074.0	3,026.2	47.81	64.302		
6,600.0	6,529.6	6,512.9	6,493.6	27.2	23.5	135.77	2,419.1	-735.2	3,085.7	3,037.1	48.55	63.554		
6,700.0	6,628.3	6,611.6	6,592.3	27.6	23.8	135.98	2,419.1	-735.2	3,097.3	3,048.0	49.30	62.830		
6,800.0	6,727.0	6,710.3	6,691.0	28.1	24.2	136.19	2,419.1	-735.2	3,109.0	3,059.0	50.04	62.129		
6,900.0	6,825.7	6,809.0	6,789.7	28.5	24.5	136.39	2,419.1	-735.2	3,120.8	3,070.0	50.79	61.450		
7,000.0	6,924.4	6,907.7	6,888.4	29.0	24.9	136.59	2,419.1	-735.2	3,132.6	3,081.1	51.53	60.792		
7,100.0	7,023.1	7,006.3	6,987.1	29.4	25.2	136.80	2,419.1	-735.2	3,144.4	3,092.2	52.27	60.153		
7,200.0	7,121.8	7,105.0	7,085.8	29.9	25.6	137.00	2,419.1	-735.2	3,156.3	3,103.3	53.02	59.533		
7,300.0	7,220.4	7,203.7	7,184.4	30.3	25.9	137.19	2,419.1	-735.2	3,168.2	3,114.4	53.76	58.932		
7,400.0	7,319.1	7,302.4	7,283.1	30.7	26.3	137.39	2,419.1	-735.2	3,180.2	3,125.6	54.50	58.347		
7,466.5	7,384.7	7,368.0	7,348.7	31.0	26.5	137.52	2,419.1	-735.2	3,188.1	3,133.1	55.00	57.968		
7,500.0	7,417.8	7,401.1	7,381.8	31.2	26.6	137.62	2,419.1	-735.2	3,192.0	3,136.8	55.25	57.779		
7,600.0	7,516.9	7,500.1	7,480.9	31.6	27.0	137.90	2,419.1	-735.2	3,202.4	3,146.5	55.98	57.206		
7,700.0	7,616.2	7,600.5	7,580.2	32.0	27.3	138.12	2,419.1	-735.2	3,210.9	3,154.2	56.71	56.621		
7,800.0	7,715.8	7,700.9	7,679.8	32.4	27.7	138.29	2,419.1	-735.2	3,217.5	3,160.1	57.43	56.027		
7,900.0	7,815.6	7,801.1	7,779.6	32.8	28.0	138.41	2,419.1	-735.2	3,222.1	3,164.0	58.13	55.426		
8,000.0	7,915.5	7,901.2	7,879.5	33.1	28.4	138.48	2,419.1	-735.2	3,224.8	3,166.0	58.83	54.817		
8,086.5	8,002.0	7,985.3	7,966.0	33.3	28.7	-0.69	2,419.1	-735.2	3,225.5	3,166.1	59.40	54.299		
8,100.0	8,015.5	8,001.2	7,979.5	33.4	28.7	-90.50	2,419.1	-735.2	3,225.5	3,166.0	59.50	54.210		
8,150.0	8,065.4	8,048.7	8,029.4	33.5	28.9	-90.55	2,419.1	-735.2	3,225.6	3,165.8	59.81	53.933		
8,200.0	8,114.8	8,101.9	8,078.8	33.6	29.1	-90.68	2,419.1	-735.2	3,225.7	3,165.5	60.12	53.654		
8,250.0	8,163.3	8,146.6	8,127.3	33.7	29.2	-90.87	2,419.1	-735.2	3,225.8	3,165.4	60.39	53.418		
8,300.0	8,210.6	8,206.1	8,174.6	33.8	29.5	-91.11	2,419.1	-735.2	3,226.1	3,165.4	60.70	53.152		
8,350.0	8,256.3	8,239.6	8,220.3	33.8	29.6	-91.39	2,419.1	-735.2	3,226.6	3,165.7	60.90	52.982		
8,400.0	8,300.1	8,283.4	8,264.1	33.9	29.7	-91.69	2,419.1	-735.2	3,227.3	3,166.2	61.13	52.794		
8,450.0	8,341.6	8,324.9	8,305.6	33.9	29.9	-91.99	2,419.1	-735.2	3,228.4	3,167.1	61.35	52.625		
8,500.0	8,380.6	8,363.8	8,344.6	33.9	30.0	-92.27	2,419.1	-735.2	3,229.9	3,168.4	61.55	52.474		
8,550.0	8,416.6	8,400.1	8,380.6	33.9	30.1	-92.51	2,419.1	-735.2	3,231.9	3,170.2	61.75	52.338		
8,600.0	8,449.5	8,432.8	8,413.5	33.9	30.3	-92.69	2,419.1	-735.2	3,234.6	3,172.6	61.94	52.218		
8,650.0	8,479.0	8,462.2	8,443.0	33.9	30.4	-92.79	2,419.1	-735.2	3,237.8	3,175.7	62.13	52.110		
8,700.0	8,504.8	8,488.1	8,468.8	33.9	30.4	-92.77	2,419.1	-735.2	3,241.9	3,179.5	62.33	52.012		
8,750.0	8,526.9	8,510.1	8,490.9	33.8	30.5	-92.64	2,419.1	-735.2	3,246.7	3,184.1	62.53	51.923		
8,800.0	8,544.9	8,528.1	8,508.9	33.8	30.6	-92.37	2,419.1	-735.2	3,252.3	3,189.6	62.74	51.841		
8,850.0	8,558.8	8,542.0	8,522.8	33.8	30.6	-91.95	2,419.1	-735.2	3,258.8	3,195.9	62.95	51.767		
8,900.0	8,568.4	8,551.7	8,532.4	33.7	30.7	-91.37	2,419.1	-735.2	3,266.2	3,203.0	63.18	51.700		
8,950.0	8,573.8	8,557.1	8,537.8	33.7	30.7	-90.64	2,419.1	-735.2	3,274.4	3,211.0	63.40	51.643		
8,986.5	8,575.0	8,558.2	8,539.0	33.7	30.7	-90.00	2,419.1	-735.2	3,280.9	3,217.3	63.57	51.608		
8,993.2	8,575.0	8,558.2	8,539.0	33.8	30.7	-90.00	2,419.1	-735.2	3,282.1	3,218.5	63.60	51.603		

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



## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
9,000.0	8,575.0	8,558.2	8,539.0	33.8	30.7	-90.00	2,419.1	-735.2	3,283.4	3,219.8	63.64	51.597		
9,100.0	8,575.0	8,558.2	8,539.0	33.9	30.7	-90.00	2,419.1	-735.2	3,303.8	3,239.6	64.18	51.478		
9,200.0	8,575.0	8,558.2	8,539.0	34.4	30.7	-90.00	2,419.1	-735.2	3,327.1	3,262.2	64.84	51.313		
9,300.0	8,575.0	8,558.2	8,539.0	35.3	30.7	-90.00	2,419.1	-735.2	3,353.2	3,287.6	65.60	51.116		
9,400.0	8,575.0	8,558.2	8,539.0	36.3	30.7	-90.00	2,419.1	-735.2	3,382.0	3,315.6	66.45	50.899		
9,500.0	8,575.0	8,558.2	8,539.0	37.6	30.7	-90.00	2,419.1	-735.2	3,413.6	3,346.2	67.36	50.675		
9,600.0	8,575.0	10,505.6	9,525.2	38.9	43.5	-106.64	2,495.9	475.2	3,443.7	3,364.0	79.74	43.186		
9,700.0	8,575.0	10,605.6	9,526.3	40.4	45.0	-106.66	2,496.0	575.2	3,444.0	3,361.4	82.63	41.682		
9,800.0	8,575.0	10,705.5	9,527.4	41.9	46.7	-106.68	2,496.2	675.2	3,444.4	3,358.7	85.68	40.202		
9,900.0	8,575.0	10,805.5	9,528.5	43.6	48.4	-106.70	2,496.3	775.2	3,444.7	3,355.8	88.87	38.761		
10,000.0	8,575.0	10,905.5	9,529.7	45.3	50.1	-106.71	2,496.4	875.2	3,445.0	3,352.8	92.20	37.366		
10,100.0	8,575.0	11,005.5	9,530.8	47.0	52.0	-106.73	2,496.5	975.2	3,445.3	3,349.7	95.64	36.024		
10,200.0	8,575.0	11,105.5	9,531.9	48.9	53.8	-106.75	2,496.6	1,075.2	3,445.7	3,346.5	99.19	34.739		
10,300.0	8,575.0	11,205.5	9,533.0	50.8	55.7	-106.77	2,496.8	1,175.1	3,446.0	3,343.2	102.83	33.513		
10,400.0	8,575.0	11,305.5	9,534.2	52.7	57.7	-106.78	2,496.9	1,275.1	3,446.3	3,339.8	106.55	32.345		
10,500.0	8,575.0	11,405.5	9,535.3	54.7	59.7	-106.80	2,497.0	1,375.1	3,446.7	3,336.3	110.35	31.233		
10,600.0	8,575.0	11,505.5	9,536.4	56.7	61.7	-106.82	2,497.1	1,475.1	3,447.0	3,332.8	114.22	30.179		
10,700.0	8,575.0	11,605.5	9,537.5	58.7	63.8	-106.84	2,497.3	1,575.1	3,447.3	3,329.2	118.15	29.178		
10,800.0	8,575.0	11,705.5	9,538.6	60.8	65.9	-106.86	2,497.4	1,675.1	3,447.6	3,325.5	122.13	28.229		
10,900.0	8,575.0	11,805.5	9,539.8	62.9	68.0	-106.87	2,497.5	1,775.1	3,448.0	3,321.8	126.16	27.329		
11,000.0	8,575.0	11,905.5	9,540.9	65.0	70.1	-106.89	2,497.6	1,875.1	3,448.3	3,318.1	130.24	26.476		
11,100.0	8,575.0	12,005.5	9,542.0	67.1	72.3	-106.91	2,497.7	1,975.0	3,448.6	3,314.3	134.36	25.667		
11,200.0	8,575.0	12,105.5	9,543.1	69.3	74.5	-106.93	2,497.9	2,075.0	3,449.0	3,310.5	138.52	24.899		
11,300.0	8,575.0	12,205.5	9,544.2	71.5	76.6	-106.94	2,498.0	2,175.0	3,449.3	3,306.6	142.71	24.171		
11,400.0	8,575.0	12,305.4	9,545.4	73.7	78.8	-106.96	2,498.1	2,275.0	3,449.6	3,302.7	146.93	23.479		
11,500.0	8,575.0	12,405.4	9,546.5	75.9	81.1	-106.98	2,498.2	2,375.0	3,450.0	3,298.8	151.17	22.821		
11,600.0	8,575.0	12,505.4	9,547.6	78.2	83.3	-107.00	2,498.3	2,475.0	3,450.3	3,294.9	155.45	22.196		
11,700.0	8,575.0	12,605.4	9,548.7	80.4	85.5	-107.02	2,498.5	2,575.0	3,450.6	3,290.9	159.75	21.601		
11,800.0	8,575.0	12,705.4	9,549.9	82.7	87.8	-107.03	2,498.6	2,675.0	3,451.0	3,286.9	164.07	21.034		
11,900.0	8,575.0	12,805.4	9,551.0	84.9	90.1	-107.05	2,498.7	2,774.9	3,451.3	3,282.9	168.41	20.494		
12,000.0	8,575.0	12,905.4	9,552.1	87.2	92.3	-107.07	2,498.8	2,874.9	3,451.6	3,278.9	172.76	19.979		
12,100.0	8,575.0	13,005.4	9,553.2	89.5	94.6	-107.09	2,498.9	2,974.9	3,452.0	3,274.8	177.14	19.488		
12,200.0	8,575.0	13,105.4	9,554.3	91.8	96.9	-107.10	2,499.1	3,074.9	3,452.3	3,270.8	181.53	19.018		
12,300.0	8,575.0	13,205.4	9,555.5	94.1	99.2	-107.12	2,499.2	3,174.9	3,452.6	3,266.7	185.93	18.569		
12,400.0	8,575.0	13,305.4	9,556.6	96.4	101.5	-107.14	2,499.3	3,274.9	3,453.0	3,262.6	190.35	18.140		
12,500.0	8,575.0	13,405.4	9,557.7	98.7	103.9	-107.16	2,499.4	3,374.9	3,453.3	3,258.5	194.78	17.729		
12,600.0	8,575.0	13,505.4	9,558.8	101.0	106.2	-107.18	2,499.5	3,474.9	3,453.7	3,254.4	199.22	17.336		
12,700.0	8,575.0	13,605.4	9,559.9	103.4	108.5	-107.19	2,499.7	3,574.8	3,454.0	3,250.3	203.67	16.958		
12,800.0	8,575.0	13,705.4	9,561.1	105.7	110.8	-107.21	2,499.8	3,674.8	3,454.3	3,246.2	208.14	16.597		
12,900.0	8,575.0	13,805.4	9,562.2	108.0	113.2	-107.23	2,499.9	3,774.8	3,454.7	3,242.1	212.61	16.249		
13,000.0	8,575.0	13,905.3	9,563.3	110.4	115.5	-107.25	2,500.0	3,874.8	3,455.0	3,237.9	217.09	15.915		
13,100.0	8,575.0	14,005.3	9,564.4	112.7	117.9	-107.26	2,500.2	3,974.8	3,455.3	3,233.8	221.58	15.594		
13,200.0	8,575.0	14,105.3	9,565.6	115.1	120.2	-107.28	2,500.3	4,074.8	3,455.7	3,229.6	226.07	15.286		
13,300.0	8,575.0	14,205.3	9,566.7	117.5	122.6	-107.30	2,500.4	4,174.8	3,456.0	3,225.4	230.57	14.989		
13,400.0	8,575.0	14,305.3	9,567.8	119.8	124.9	-107.32	2,500.5	4,274.8	3,456.4	3,221.3	235.08	14.703		
13,500.0	8,575.0	14,405.3	9,568.9	122.2	127.3	-107.34	2,500.6	4,374.7	3,456.7	3,217.1	239.60	14.427		
13,600.0	8,575.0	14,505.3	9,570.0	124.6	129.7	-107.35	2,500.8	4,474.7	3,457.0	3,212.9	244.12	14.161		
13,700.0	8,575.0	14,605.3	9,571.2	126.9	132.0	-107.37	2,500.9	4,574.7	3,457.4	3,208.7	248.65	13.905		
13,800.0	8,575.0	14,705.3	9,572.3	129.3	134.4	-107.39	2,501.0	4,674.7	3,457.7	3,204.5	253.18	13.657		
13,900.0	8,575.0	14,805.3	9,573.4	131.7	136.8	-107.41	2,501.1	4,774.7	3,458.1	3,200.3	257.72	13.418		
14,000.0	8,575.0	14,905.3	9,574.5	134.1	139.2	-107.42	2,501.2	4,874.7	3,458.4	3,196.1	262.26	13.187		
14,100.0	8,575.0	15,005.3	9,575.7	136.4	141.6	-107.44	2,501.4	4,974.7	3,458.7	3,191.9	266.80	12.964		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Simon Camamile Fed Com - Simon Camamile Fed Com #134H - Wellbore #1 - BLM Plan #1													Offset Well Error:	0.0 usft
Survey Program: 0-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		
14,200.0	8,575.0	15,105.3	9,576.8	138.8	143.9	-107.46	2,501.5	5,074.7	3,459.1	3,187.7	271.35	12.748		
14,300.0	8,575.0	15,205.3	9,577.9	141.2	146.3	-107.48	2,501.6	5,174.6	3,459.4	3,183.5	275.91	12.538		
14,400.0	8,575.0	15,305.3	9,579.0	143.6	148.7	-107.49	2,501.7	5,274.6	3,459.8	3,179.3	280.46	12.336		
14,500.0	8,575.0	15,405.3	9,580.1	146.0	151.1	-107.51	2,501.8	5,374.6	3,460.1	3,175.1	285.02	12.140		
14,600.0	8,575.0	15,505.2	9,581.3	148.4	153.5	-107.53	2,502.0	5,474.6	3,460.5	3,170.9	289.59	11.950		
14,700.0	8,575.0	15,605.2	9,582.4	150.8	155.9	-107.55	2,502.1	5,574.6	3,460.8	3,166.6	294.15	11.765		
14,800.0	8,575.0	15,705.2	9,583.5	153.2	158.3	-107.57	2,502.2	5,674.6	3,461.1	3,162.4	298.72	11.587		
14,900.0	8,575.0	15,805.2	9,584.6	155.6	160.7	-107.58	2,502.3	5,774.6	3,461.5	3,158.2	303.29	11.413		
15,000.0	8,575.0	15,905.2	9,585.7	158.0	163.1	-107.60	2,502.4	5,874.6	3,461.8	3,154.0	307.86	11.245		
15,100.0	8,575.0	16,005.2	9,586.9	160.4	165.5	-107.62	2,502.6	5,974.5	3,462.2	3,149.7	312.44	11.081		
15,200.0	8,575.0	16,105.2	9,588.0	162.8	167.9	-107.64	2,502.7	6,074.5	3,462.5	3,145.5	317.02	10.922		
15,300.0	8,575.0	16,205.2	9,589.1	165.2	170.3	-107.65	2,502.8	6,174.5	3,462.9	3,141.3	321.60	10.768		
15,400.0	8,575.0	16,305.2	9,590.2	167.6	172.7	-107.67	2,502.9	6,274.5	3,463.2	3,137.0	326.18	10.618		
15,500.0	8,575.0	16,405.2	9,591.4	170.0	175.1	-107.69	2,503.0	6,374.5	3,463.6	3,132.8	330.76	10.471		
15,600.0	8,575.0	16,505.2	9,592.5	172.5	177.5	-107.71	2,503.2	6,474.5	3,463.9	3,128.6	335.35	10.329		
15,700.0	8,575.0	16,605.2	9,593.6	174.9	179.9	-107.72	2,503.3	6,574.5	3,464.2	3,124.3	339.93	10.191		
15,800.0	8,575.0	16,705.2	9,594.7	177.3	182.3	-107.74	2,503.4	6,674.5	3,464.6	3,120.1	344.52	10.056		
15,900.0	8,575.0	16,805.2	9,595.8	179.7	184.8	-107.76	2,503.5	6,774.4	3,464.9	3,115.8	349.11	9.925		
16,000.0	8,575.0	16,905.2	9,597.0	182.1	187.2	-107.78	2,503.7	6,874.4	3,465.3	3,111.6	353.70	9.797		
16,100.0	8,575.0	17,005.2	9,598.1	184.5	189.6	-107.79	2,503.8	6,974.4	3,465.6	3,107.3	358.29	9.673		
16,200.0	8,575.0	17,105.1	9,599.2	187.0	192.0	-107.81	2,503.9	7,074.4	3,466.0	3,103.1	362.89	9.551		
16,300.0	8,575.0	17,205.1	9,600.3	189.4	194.4	-107.83	2,504.0	7,174.4	3,466.3	3,098.9	367.48	9.433		
16,400.0	8,575.0	17,305.1	9,601.4	191.8	196.8	-107.85	2,504.1	7,274.4	3,466.7	3,094.6	372.08	9.317		
16,500.0	8,575.0	17,405.1	9,602.6	194.2	199.3	-107.86	2,504.3	7,374.4	3,467.0	3,090.4	376.67	9.204		
16,600.0	8,575.0	17,505.1	9,603.7	196.6	201.7	-107.88	2,504.4	7,474.4	3,467.4	3,086.1	381.27	9.094		
16,700.0	8,575.0	17,605.1	9,604.8	199.1	204.1	-107.90	2,504.5	7,574.3	3,467.7	3,081.9	385.87	8.987		
16,800.0	8,575.0	17,705.1	9,605.9	201.5	206.5	-107.92	2,504.6	7,674.3	3,468.1	3,077.6	390.46	8.882		
16,900.0	8,575.0	17,805.1	9,607.1	203.9	208.9	-107.94	2,504.7	7,774.3	3,468.4	3,073.4	395.06	8.779		
17,000.0	8,575.0	17,905.1	9,608.2	206.3	211.4	-107.95	2,504.9	7,874.3	3,468.8	3,069.1	399.66	8.679		
17,100.0	8,575.0	18,005.1	9,609.3	208.8	213.8	-107.97	2,505.0	7,974.3	3,469.1	3,064.9	404.26	8.581		
17,200.0	8,575.0	18,105.1	9,610.4	211.2	216.2	-107.99	2,505.1	8,074.3	3,469.5	3,060.6	408.86	8.486		
17,300.0	8,575.0	18,205.1	9,611.5	213.6	218.6	-108.01	2,505.2	8,174.3	3,469.8	3,056.4	413.46	8.392		
17,400.0	8,575.0	18,305.1	9,612.7	216.0	221.1	-108.02	2,505.3	8,274.3	3,470.2	3,052.1	418.07	8.301		
17,500.0	8,575.0	18,405.1	9,613.8	218.5	223.5	-108.04	2,505.5	8,374.2	3,470.5	3,047.9	422.67	8.211		
17,600.0	8,575.0	18,505.1	9,614.9	220.9	225.9	-108.06	2,505.6	8,474.2	3,470.9	3,043.6	427.27	8.123		
17,700.0	8,575.0	18,605.1	9,616.0	223.3	228.3	-108.08	2,505.7	8,574.2	3,471.2	3,039.4	431.87	8.038		
17,800.0	8,575.0	18,705.0	9,617.1	225.8	230.8	-108.09	2,505.8	8,674.2	3,471.6	3,035.1	436.47	7.954		
17,900.0	8,575.0	18,805.0	9,618.3	228.2	233.2	-108.11	2,505.9	8,774.2	3,472.0	3,030.9	441.08	7.872		
18,000.0	8,575.0	18,905.0	9,619.4	230.6	235.6	-108.13	2,506.1	8,874.2	3,472.3	3,026.6	445.68	7.791		
18,100.0	8,575.0	19,005.0	9,620.5	233.0	238.1	-108.15	2,506.2	8,974.2	3,472.7	3,022.4	450.28	7.712		
18,200.0	8,575.0	19,105.0	9,621.6	235.5	240.5	-108.16	2,506.3	9,074.1	3,473.0	3,018.1	454.89	7.635		
18,300.0	8,575.0	19,205.0	9,622.8	237.9	242.9	-108.18	2,506.4	9,174.1	3,473.4	3,013.9	459.49	7.559		
18,400.0	8,575.0	19,305.0	9,623.9	240.3	245.4	-108.20	2,506.5	9,274.1	3,473.7	3,009.6	464.09	7.485		
18,500.0	8,575.0	19,405.0	9,625.0	242.8	247.8	-108.22	2,506.7	9,374.1	3,474.1	3,005.4	468.70	7.412		
18,600.0	8,575.0	19,505.0	9,626.1	245.2	250.2	-108.23	2,506.8	9,474.1	3,474.4	3,001.1	473.30	7.341		
18,700.0	8,575.0	19,605.0	9,627.2	247.6	252.7	-108.25	2,506.9	9,574.1	3,474.8	2,996.9	477.90	7.271		
18,800.0	8,575.0	19,705.0	9,628.4	250.1	255.1	-108.27	2,507.0	9,674.1	3,475.2	2,992.6	482.51	7.202		
18,900.0	8,575.0	19,805.0	9,629.5	252.5	257.5	-108.29	2,507.2	9,774.1	3,475.5	2,988.4	487.11	7.135		
19,000.0	8,575.0	19,905.0	9,630.6	255.0	260.0	-108.30	2,507.3	9,874.0	3,475.9	2,984.2	491.71	7.069		
19,100.0	8,575.0	20,005.0	9,631.7	257.4	262.4	-108.32	2,507.4	9,974.0	3,476.2	2,979.9	496.32	7.004		
19,200.0	8,575.0	20,105.0	9,632.8	259.8	264.8	-108.34	2,507.5	10,074.0	3,476.6	2,975.7	500.92	6.940		
19,300.0	8,575.0	20,205.0	9,634.0	262.3	267.3	-108.36	2,507.6	10,174.0	3,476.9	2,971.4	505.52	6.878		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design Simon Camamile Fed Com - Simon Camamile Fed Com #134H - 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	
19,400.0	8,575.0	20,304.9	9,635.1	264.7	269.7	-108.37	2,507.8	10,274.0	3,477.3	2,967.2	510.12	6.817	
19,500.0	8,575.0	20,404.9	9,636.2	267.1	272.1	-108.39	2,507.9	10,374.0	3,477.7	2,962.9	514.73	6.756	
19,600.0	8,575.0	20,504.9	9,637.3	269.6	274.6	-108.41	2,508.0	10,474.0	3,478.0	2,958.7	519.33	6.697	
19,700.0	8,575.0	20,604.9	9,638.5	272.0	277.0	-108.43	2,508.1	10,574.0	3,478.4	2,954.5	523.93	6.639	
19,800.0	8,575.0	20,704.9	9,639.6	274.5	279.4	-108.44	2,508.2	10,673.9	3,478.7	2,950.2	528.53	6.582	
19,900.0	8,575.0	20,804.9	9,640.7	276.9	281.9	-108.46	2,508.4	10,773.9	3,479.1	2,946.0	533.13	6.526	
20,000.0	8,575.0	20,904.9	9,641.8	279.3	284.3	-108.48	2,508.5	10,873.9	3,479.5	2,941.7	537.73	6.471	
20,100.0	8,575.0	21,004.9	9,642.9	281.8	286.8	-108.50	2,508.6	10,973.9	3,479.8	2,937.5	542.33	6.416	
20,200.0	8,575.0	21,104.9	9,644.1	284.2	289.2	-108.51	2,508.7	11,073.9	3,480.2	2,933.2	546.93	6.363	
20,300.0	8,575.0	21,204.9	9,645.2	286.6	291.6	-108.53	2,508.8	11,173.9	3,480.5	2,929.0	551.53	6.311	
20,400.0	8,575.0	21,304.9	9,646.3	289.1	294.1	-108.55	2,509.0	11,273.9	3,480.9	2,924.8	556.13	6.259	
20,500.0	8,575.0	21,404.9	9,647.4	291.5	296.5	-108.57	2,509.1	11,373.9	3,481.3	2,920.5	560.73	6.208	
20,600.0	8,575.0	21,504.9	9,648.5	294.0	299.0	-108.58	2,509.2	11,473.8	3,481.6	2,916.3	565.33	6.159	
20,700.0	8,575.0	21,604.9	9,649.7	296.4	301.4	-108.60	2,509.3	11,573.8	3,482.0	2,912.1	569.93	6.110	
20,800.0	8,575.0	21,704.9	9,650.8	298.9	303.8	-108.62	2,509.4	11,673.8	3,482.4	2,907.8	574.53	6.061	
20,900.0	8,575.0	21,804.8	9,651.9	301.3	306.3	-108.64	2,509.6	11,773.8	3,482.7	2,903.6	579.13	6.014	
21,000.0	8,575.0	21,904.8	9,653.0	303.7	308.7	-108.65	2,509.7	11,873.8	3,483.1	2,899.4	583.72	5.967	
21,100.0	8,575.0	22,004.8	9,654.2	306.2	311.2	-108.67	2,509.8	11,973.8	3,483.4	2,895.1	588.32	5.921	
21,200.0	8,575.0	22,104.8	9,655.3	308.6	313.6	-108.69	2,509.9	12,073.8	3,483.8	2,890.9	592.92	5.876	
21,213.6	8,575.0	22,118.4	9,655.4	309.0	313.9	-108.69	2,509.9	12,087.3	3,483.9	2,890.3	593.54	5.870 SF	

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Simon Camamile Fed Com - Simon Camamile Fed Com #135H - Wellbore #1 - BLM Plan #1												Offset Well Error:	0.0 usft
Survey Program: 0-MWD													
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	0.0	0.0	0.0	0.0	-15.18	2,139.5	-580.5	2,217.2				
100.0	100.0	64.0	64.0	0.1	0.1	-15.18	2,139.5	-580.5	2,216.9	2,216.7	0.21	N/A	
200.0	200.0	164.0	164.0	0.5	0.4	-15.18	2,139.5	-580.5	2,216.9	2,216.0	0.84	2,626.021	
300.0	300.0	264.0	264.0	0.8	0.7	-15.18	2,139.5	-580.5	2,216.9	2,215.3	1.56	1,420.041	
400.0	400.0	364.0	364.0	1.2	1.1	-15.18	2,139.5	-580.5	2,216.9	2,214.6	2.28	973.136	
500.0	500.0	464.0	464.0	1.6	1.4	-15.18	2,139.5	-580.5	2,216.9	2,213.9	3.00	740.189	
600.0	600.0	564.0	564.0	1.9	1.8	-15.18	2,139.5	-580.5	2,216.9	2,213.2	3.71	597.227	
700.0	700.0	664.0	664.0	2.3	2.1	-15.18	2,139.5	-580.5	2,216.9	2,212.5	4.43	500.549	
800.0	800.0	764.0	764.0	2.6	2.5	-15.18	2,139.5	-580.5	2,216.9	2,211.7	5.15	430.810	
900.0	900.0	864.0	864.0	3.0	2.9	-15.18	2,139.5	-580.5	2,216.9	2,211.0	5.86	378.128	
1,000.0	1,000.0	964.0	964.0	3.4	3.2	-15.18	2,139.5	-580.5	2,216.9	2,210.3	6.58	336.926	
1,100.0	1,100.0	1,064.0	1,064.0	3.7	3.6	124.03	2,139.5	-580.5	2,218.1	2,210.8	7.28	304.628	
1,200.0	1,199.7	1,163.7	1,163.7	4.0	3.9	124.09	2,139.5	-580.5	2,221.8	2,213.8	7.97	278.663	
1,300.0	1,299.1	1,263.1	1,263.1	4.4	4.3	124.20	2,139.5	-580.5	2,227.9	2,219.2	8.67	256.904	
1,372.0	1,370.4	1,334.4	1,334.4	4.6	4.6	124.29	2,139.5	-580.5	2,233.9	2,224.7	9.18	243.295	
1,400.0	1,398.0	1,362.0	1,362.0	4.7	4.7	124.39	2,139.5	-580.5	2,236.5	2,227.1	9.38	238.390	
1,500.0	1,496.7	1,460.7	1,460.7	5.1	5.0	124.73	2,139.5	-580.5	2,245.7	2,235.6	10.10	222.391	
1,600.0	1,595.4	1,593.5	1,593.5	5.5	5.5	125.17	2,138.8	-580.6	2,254.6	2,243.7	10.93	206.309	
1,700.0	1,694.1	1,749.8	1,749.7	5.9	6.0	125.65	2,134.2	-581.3	2,261.2	2,249.4	11.81	191.406	
1,800.0	1,792.7	1,906.8	1,906.5	6.3	6.5	126.09	2,125.2	-582.5	2,265.4	2,252.7	12.71	178.263	
1,900.0	1,891.4	2,064.4	2,063.5	6.7	7.0	126.49	2,112.0	-584.4	2,267.1	2,253.5	13.61	166.576	
2,000.0	1,990.1	2,222.4	2,220.5	7.1	7.6	126.85	2,094.5	-586.9	2,266.3	2,251.8	14.52	156.133	
2,100.0	2,088.8	2,380.4	2,377.0	7.5	8.2	127.17	2,072.7	-590.0	2,262.9	2,247.5	15.42	146.742	
2,200.0	2,187.5	2,524.2	2,518.8	7.9	8.7	127.43	2,049.2	-593.4	2,257.1	2,240.8	16.29	138.572	
2,300.0	2,286.2	2,623.7	2,616.8	8.3	9.1	127.61	2,032.1	-595.8	2,250.5	2,233.5	17.04	132.083	
2,400.0	2,384.9	2,723.3	2,714.8	8.8	9.5	127.78	2,015.0	-598.2	2,244.0	2,226.2	17.79	126.114	
2,500.0	2,483.5	2,822.8	2,812.9	9.2	9.9	127.96	1,997.9	-600.7	2,237.5	2,219.0	18.55	120.608	
2,600.0	2,582.2	2,922.4	2,910.9	9.6	10.3	128.14	1,980.8	-603.1	2,231.0	2,211.7	19.31	115.517	
2,700.0	2,680.9	3,021.9	3,008.9	10.1	10.7	128.32	1,963.6	-605.6	2,224.6	2,204.5	20.08	110.799	
2,800.0	2,779.6	3,121.5	3,107.0	10.5	11.1	128.50	1,946.5	-608.0	2,218.1	2,197.3	20.84	106.417	
2,900.0	2,878.3	3,221.0	3,205.0	10.9	11.5	128.68	1,929.4	-610.5	2,211.7	2,190.1	21.61	102.337	
3,000.0	2,977.0	3,320.6	3,303.0	11.3	11.9	128.86	1,912.3	-612.9	2,205.3	2,182.9	22.38	98.531	
3,100.0	3,075.7	3,420.1	3,401.1	11.8	12.3	129.04	1,895.2	-615.3	2,199.0	2,175.8	23.15	94.973	
3,200.0	3,174.3	3,519.7	3,499.1	12.2	12.8	129.23	1,878.1	-617.8	2,192.6	2,168.7	23.93	91.641	
3,300.0	3,273.0	3,619.2	3,597.1	12.6	13.2	129.41	1,861.0	-620.2	2,186.3	2,161.6	24.70	88.515	
3,400.0	3,371.7	3,718.8	3,695.2	13.1	13.6	129.60	1,843.9	-622.7	2,180.0	2,154.5	25.47	85.576	
3,500.0	3,470.4	3,818.3	3,793.2	13.5	14.0	129.79	1,826.7	-625.1	2,173.7	2,147.4	26.25	82.810	
3,600.0	3,569.1	3,917.9	3,891.2	14.0	14.5	129.98	1,809.6	-627.5	2,167.4	2,140.4	27.02	80.202	
3,700.0	3,667.8	4,017.4	3,989.3	14.4	14.9	130.17	1,792.5	-630.0	2,161.2	2,133.4	27.80	77.738	
3,800.0	3,766.5	4,117.0	4,087.3	14.8	15.3	130.36	1,775.4	-632.4	2,155.0	2,126.4	28.58	75.409	
3,900.0	3,865.1	4,216.5	4,185.4	15.3	15.8	130.55	1,758.3	-634.9	2,148.8	2,119.5	29.35	73.202	
4,000.0	3,963.8	4,316.0	4,283.4	15.7	16.2	130.74	1,741.2	-637.3	2,142.7	2,112.5	30.13	71.110	
4,100.0	4,062.5	4,415.6	4,381.4	16.1	16.6	130.94	1,724.1	-639.7	2,136.5	2,105.6	30.91	69.124	
4,200.0	4,161.2	4,515.1	4,479.5	16.6	17.1	131.13	1,706.9	-642.2	2,130.4	2,098.7	31.69	67.236	
4,300.0	4,259.9	4,614.7	4,577.5	17.0	17.5	131.33	1,689.8	-644.6	2,124.3	2,091.9	32.46	65.439	
4,400.0	4,358.6	4,714.2	4,675.5	17.5	17.9	131.52	1,672.7	-647.1	2,118.3	2,085.0	33.24	63.727	
4,500.0	4,457.3	4,813.8	4,773.6	17.9	18.4	131.72	1,655.6	-649.5	2,112.2	2,078.2	34.02	62.094	
4,600.0	4,555.9	4,913.3	4,871.6	18.3	18.8	131.92	1,638.5	-651.9	2,106.2	2,071.4	34.79	60.535	
4,700.0	4,654.6	5,012.9	4,969.6	18.8	19.3	132.12	1,621.4	-654.4	2,100.2	2,064.7	35.57	59.045	
4,800.0	4,753.3	5,112.4	5,067.7	19.2	19.7	132.32	1,604.3	-656.8	2,094.3	2,057.9	36.35	57.620	
4,900.0	4,852.0	5,212.0	5,165.7	19.7	20.2	132.53	1,587.2	-659.3	2,088.3	2,051.2	37.12	56.256	
5,000.0	4,950.7	5,311.5	5,263.7	20.1	20.6	132.73	1,570.0	-661.7	2,082.4	2,044.5	37.90	54.949	

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	5,049.4	5,411.1	5,361.8	20.6	21.0	132.94	1,552.9	-664.1	2,076.5	2,037.9	38.67	53.696		
5,200.0	5,148.1	5,510.6	5,459.8	21.0	21.5	133.14	1,535.8	-666.6	2,070.7	2,031.2	39.45	52.492		
5,300.0	5,246.7	5,610.2	5,557.9	21.4	21.9	133.35	1,518.7	-669.0	2,064.9	2,024.6	40.22	51.337		
5,400.0	5,345.4	5,709.7	5,655.9	21.9	22.4	133.56	1,501.6	-671.5	2,059.1	2,018.1	41.00	50.226		
5,500.0	5,444.1	5,809.3	5,753.9	22.3	22.8	133.77	1,484.5	-673.9	2,053.3	2,011.5	41.77	49.158		
5,600.0	5,542.8	5,908.8	5,852.0	22.8	23.3	133.98	1,467.4	-676.3	2,047.6	2,005.0	42.54	48.130		
5,700.0	5,641.5	6,008.4	5,950.0	23.2	23.7	134.19	1,450.2	-678.8	2,041.8	1,998.5	43.32	47.139		
5,800.0	5,740.2	6,107.9	6,048.0	23.7	24.2	134.41	1,433.1	-681.2	2,036.2	1,992.1	44.09	46.185		
5,900.0	5,838.9	6,207.5	6,146.1	24.1	24.6	134.62	1,416.0	-683.7	2,030.5	1,985.6	44.86	45.264		
6,000.0	5,937.5	6,307.0	6,244.1	24.5	25.0	134.84	1,398.9	-686.1	2,024.9	1,979.2	45.63	44.376		
6,100.0	6,036.2	6,406.6	6,342.1	25.0	25.5	135.05	1,381.8	-688.6	2,019.3	1,972.9	46.40	43.519		
6,200.0	6,134.9	6,506.1	6,440.2	25.4	25.9	135.27	1,364.7	-691.0	2,013.7	1,966.5	47.17	42.690		
6,300.0	6,233.6	6,605.7	6,538.2	25.9	26.4	135.49	1,347.6	-693.4	2,008.2	1,960.2	47.94	41.890		
6,400.0	6,332.3	6,705.2	6,636.2	26.3	26.8	135.71	1,330.5	-695.9	2,002.6	1,953.9	48.71	41.115		
6,500.0	6,431.0	6,804.7	6,734.3	26.8	27.3	135.93	1,313.3	-698.3	1,997.2	1,947.7	49.48	40.366		
6,600.0	6,529.6	6,904.3	6,832.3	27.2	27.7	136.16	1,296.2	-700.8	1,991.7	1,941.5	50.24	39.641		
6,700.0	6,628.3	7,003.8	6,930.3	27.6	28.2	136.38	1,279.1	-703.2	1,986.3	1,935.3	51.01	38.939		
6,800.0	6,727.0	7,103.4	7,028.4	28.1	28.6	136.61	1,262.0	-705.6	1,980.9	1,929.1	51.78	38.258		
6,900.0	6,825.7	7,202.9	7,126.4	28.5	29.1	136.83	1,244.9	-708.1	1,975.5	1,923.0	52.54	37.599		
7,000.0	6,924.4	7,295.4	7,217.5	29.0	29.5	137.05	1,229.0	-710.3	1,970.2	1,917.0	53.29	36.971		
7,100.0	7,023.1	7,361.5	7,282.7	29.4	29.8	137.20	1,218.5	-711.8	1,966.2	1,912.2	53.97	36.429		
7,200.0	7,121.8	7,427.6	7,348.2	29.9	30.1	137.37	1,209.0	-713.2	1,963.8	1,909.2	54.64	35.943		
7,300.0	7,220.4	7,500.0	7,419.9	30.3	30.4	137.55	1,199.9	-714.5	1,963.2	1,907.9	55.30	35.499		
7,301.4	7,221.8	7,500.0	7,419.9	30.3	30.4	137.55	1,199.9	-714.5	1,963.2	1,907.9	55.31	35.495 CC		
7,400.0	7,319.1	7,559.9	7,479.5	30.7	30.6	137.71	1,193.5	-715.4	1,964.3	1,908.4	55.91	35.134		
7,466.5	7,384.7	7,600.0	7,519.4	31.0	30.8	137.82	1,189.6	-716.0	1,966.0	1,909.7	56.30	34.920		
7,500.0	7,417.8	7,625.9	7,545.2	31.2	30.9	137.90	1,187.4	-716.3	1,967.0	1,910.5	56.52	34.805		
7,600.0	7,516.9	7,700.0	7,619.1	31.6	31.1	138.10	1,181.9	-717.1	1,970.0	1,912.9	57.13	34.480		
7,700.0	7,616.2	7,758.0	7,677.0	32.0	31.3	138.24	1,178.6	-717.5	1,972.7	1,915.1	57.65	34.219		
7,800.0	7,715.8	7,824.1	7,743.1	32.4	31.6	138.37	1,176.0	-717.9	1,975.3	1,917.1	58.18	33.953		
7,900.0	7,815.6	7,900.0	7,818.9	32.8	31.8	138.47	1,174.3	-718.1	1,977.6	1,918.9	58.73	33.671		
8,000.0	7,915.5	7,960.6	7,879.5	33.1	32.0	138.53	1,174.0	-718.2	1,979.6	1,920.4	59.17	33.458		
8,086.5	8,002.0	8,047.1	7,966.0	33.3	32.2	-0.64	1,174.0	-718.2	1,980.3	1,920.6	59.72	33.161		
8,100.0	8,015.5	8,060.6	7,979.5	33.4	32.3	-90.44	1,174.0	-718.2	1,980.3	1,920.5	59.80	33.115		
8,150.0	8,065.4	8,110.5	8,029.4	33.5	32.4	-90.53	1,174.0	-718.2	1,980.3	1,920.2	60.10	32.948		
8,200.0	8,114.8	8,159.9	8,078.8	33.6	32.6	-90.75	1,174.0	-718.2	1,980.4	1,920.0	60.40	32.790		
8,250.0	8,163.3	8,208.4	8,127.3	33.7	32.7	-91.06	1,174.0	-718.2	1,980.6	1,919.9	60.68	32.640		
8,300.0	8,210.6	8,255.7	8,174.6	33.8	32.8	-91.47	1,174.0	-718.2	1,981.0	1,920.0	60.95	32.500		
8,350.0	8,256.3	8,301.4	8,220.3	33.8	33.0	-91.93	1,174.0	-718.2	1,981.7	1,920.4	61.22	32.372		
8,400.0	8,300.1	8,345.2	8,264.1	33.9	33.1	-92.44	1,174.0	-718.2	1,982.7	1,921.2	61.47	32.256		
8,450.0	8,341.6	8,386.7	8,305.6	33.9	33.2	-92.95	1,174.0	-718.2	1,984.3	1,922.6	61.71	32.153		
8,500.0	8,380.6	8,425.6	8,344.6	33.9	33.3	-93.43	1,174.0	-718.2	1,986.5	1,924.6	61.95	32.065		
8,550.0	8,416.6	8,461.7	8,380.6	33.9	33.4	-93.84	1,174.0	-718.2	1,989.6	1,927.4	62.19	31.991		
8,600.0	8,449.5	8,505.4	8,413.5	33.9	33.6	-94.15	1,174.0	-718.2	1,993.6	1,931.1	62.47	31.915		
8,650.0	8,479.0	8,524.1	8,443.0	33.9	33.6	-94.33	1,174.0	-718.2	1,998.6	1,936.0	62.67	31.890		
8,700.0	8,504.8	8,549.9	8,468.8	33.9	33.7	-94.34	1,174.0	-718.2	2,004.9	1,942.0	62.92	31.863		
8,750.0	8,526.9	8,571.9	8,490.9	33.8	33.8	-94.15	1,174.0	-718.2	2,012.4	1,949.2	63.18	31.853		
8,800.0	8,544.9	8,590.0	8,508.9	33.8	33.8	-93.74	1,174.0	-718.2	2,021.2	1,957.8	63.44	31.859		
8,850.0	8,558.8	8,603.9	8,522.8	33.8	33.9	-93.09	1,174.0	-718.2	2,031.4	1,967.7	63.71	31.882		
8,900.0	8,568.4	8,613.5	8,532.4	33.7	33.9	-92.18	1,174.0	-718.2	2,042.9	1,978.9	63.99	31.924		
8,950.0	8,573.8	8,618.9	8,537.8	33.7	33.9	-91.01	1,174.0	-718.2	2,055.6	1,991.4	64.27	31.985		
8,986.5	8,575.0	8,620.0	8,539.0	33.7	33.9	-90.00	1,174.0	-718.2	2,065.7	2,001.2	64.47	32.042		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
8,993.2	8,575.0	8,620.0	8,539.0	33.8	33.9	-90.00	1,174.0	-718.2	2,067.6	2,003.1	64.51	32.054		
9,000.0	8,575.0	8,620.0	8,539.0	33.8	33.9	-90.00	1,174.0	-718.2	2,069.6	2,005.1	64.54	32.066		
9,100.0	8,575.0	8,620.0	8,539.0	33.9	33.9	-90.00	1,174.0	-718.2	2,101.1	2,035.9	65.15	32.251		
9,200.0	8,575.0	8,620.0	8,539.0	34.4	33.9	-90.00	1,174.0	-718.2	2,136.8	2,071.0	65.83	32.460		
9,300.0	8,575.0	8,620.0	8,539.0	35.3	33.9	-90.00	1,174.0	-718.2	2,176.5	2,109.9	66.57	32.696		
9,400.0	8,575.0	10,365.6	9,539.5	36.3	41.0	-116.82	1,175.2	277.2	2,217.5	2,145.1	72.39	30.634		
9,500.0	8,575.0	10,465.6	9,540.5	37.6	42.3	-116.85	1,175.3	377.2	2,218.0	2,143.3	74.73	29.680		
9,600.0	8,575.0	10,565.5	9,541.6	38.9	43.7	-116.87	1,175.4	477.2	2,218.5	2,141.2	77.26	28.715		
9,700.0	8,575.0	10,665.5	9,542.7	40.4	45.2	-116.89	1,175.6	577.2	2,219.0	2,139.0	79.95	27.755		
9,800.0	8,575.0	10,765.5	9,543.7	41.9	46.8	-116.92	1,175.7	677.2	2,219.5	2,136.7	82.79	26.808		
9,900.0	8,575.0	10,865.5	9,544.8	43.6	48.5	-116.94	1,175.8	777.2	2,219.9	2,134.2	85.76	25.884		
10,000.0	8,575.0	10,965.5	9,545.9	45.3	50.2	-116.97	1,175.9	877.1	2,220.4	2,131.6	88.86	24.988		
10,100.0	8,575.0	11,065.5	9,546.9	47.0	52.0	-116.99	1,176.0	977.1	2,220.9	2,128.9	92.06	24.125		
10,200.0	8,575.0	11,165.5	9,548.0	48.9	53.8	-117.02	1,176.2	1,077.1	2,221.4	2,126.1	95.36	23.295		
10,300.0	8,575.0	11,265.5	9,549.1	50.8	55.7	-117.04	1,176.3	1,177.1	2,221.9	2,123.2	98.74	22.502		
10,400.0	8,575.0	11,365.5	9,550.1	52.7	57.7	-117.06	1,176.4	1,277.1	2,222.4	2,120.2	102.21	21.744		
10,500.0	8,575.0	11,465.5	9,551.2	54.7	59.6	-117.09	1,176.5	1,377.1	2,222.9	2,117.1	105.74	21.022		
10,600.0	8,575.0	11,565.5	9,552.3	56.7	61.7	-117.11	1,176.7	1,477.1	2,223.4	2,114.0	109.33	20.336		
10,700.0	8,575.0	11,665.5	9,553.3	58.7	63.7	-117.14	1,176.8	1,577.1	2,223.9	2,110.9	112.99	19.683		
10,800.0	8,575.0	11,765.5	9,554.4	60.8	65.8	-117.16	1,176.9	1,677.1	2,224.4	2,107.7	116.69	19.062		
10,900.0	8,575.0	11,865.5	9,555.5	62.9	67.9	-117.19	1,177.0	1,777.0	2,224.9	2,104.4	120.44	18.473		
11,000.0	8,575.0	11,965.5	9,556.5	65.0	70.0	-117.21	1,177.1	1,877.0	2,225.3	2,101.1	124.23	17.913		
11,100.0	8,575.0	12,065.5	9,557.6	67.1	72.1	-117.23	1,177.3	1,977.0	2,225.8	2,097.8	128.06	17.381		
11,200.0	8,575.0	12,165.5	9,558.6	69.3	74.3	-117.26	1,177.4	2,077.0	2,226.3	2,094.4	131.92	16.876		
11,300.0	8,575.0	12,265.5	9,559.7	71.5	76.5	-117.28	1,177.5	2,177.0	2,226.8	2,091.0	135.82	16.396		
11,400.0	8,575.0	12,365.4	9,560.8	73.7	78.7	-117.31	1,177.6	2,277.0	2,227.3	2,087.6	139.74	15.939		
11,500.0	8,575.0	12,465.4	9,561.8	75.9	80.9	-117.33	1,177.7	2,377.0	2,227.8	2,084.1	143.69	15.504		
11,600.0	8,575.0	12,565.4	9,562.9	78.2	83.1	-117.36	1,177.9	2,477.0	2,228.3	2,080.6	147.66	15.091		
11,700.0	8,575.0	12,665.4	9,564.0	80.4	85.3	-117.38	1,178.0	2,576.9	2,228.8	2,077.2	151.66	14.696		
11,800.0	8,575.0	12,765.4	9,565.0	82.7	87.6	-117.40	1,178.1	2,676.9	2,229.3	2,073.6	155.67	14.321		
11,900.0	8,575.0	12,865.4	9,566.1	84.9	89.8	-117.43	1,178.2	2,776.9	2,229.8	2,070.1	159.70	13.962		
12,000.0	8,575.0	12,965.4	9,567.2	87.2	92.1	-117.45	1,178.4	2,876.9	2,230.3	2,066.5	163.75	13.620		
12,100.0	8,575.0	13,065.4	9,568.2	89.5	94.4	-117.48	1,178.5	2,976.9	2,230.8	2,063.0	167.82	13.293		
12,200.0	8,575.0	13,165.4	9,569.3	91.8	96.7	-117.50	1,178.6	3,076.9	2,231.3	2,059.4	171.90	12.980		
12,300.0	8,575.0	13,265.4	9,570.4	94.1	99.0	-117.53	1,178.7	3,176.9	2,231.8	2,055.8	175.99	12.681		
12,400.0	8,575.0	13,365.4	9,571.4	96.4	101.3	-117.55	1,178.8	3,276.9	2,232.3	2,052.2	180.10	12.395		
12,500.0	8,575.0	13,465.4	9,572.5	98.7	103.6	-117.57	1,179.0	3,376.9	2,232.8	2,048.6	184.21	12.121		
12,600.0	8,575.0	13,565.4	9,573.6	101.0	105.9	-117.60	1,179.1	3,476.8	2,233.3	2,044.9	188.34	11.858		
12,700.0	8,575.0	13,665.4	9,574.6	103.4	108.2	-117.62	1,179.2	3,576.8	2,233.8	2,041.3	192.47	11.606		
12,800.0	8,575.0	13,765.4	9,575.7	105.7	110.5	-117.65	1,179.3	3,676.8	2,234.3	2,037.7	196.62	11.364		
12,900.0	8,575.0	13,865.4	9,576.7	108.0	112.9	-117.67	1,179.5	3,776.8	2,234.8	2,034.0	200.77	11.131		
13,000.0	8,575.0	13,965.4	9,577.8	110.4	115.2	-117.69	1,179.6	3,876.8	2,235.3	2,030.4	204.93	10.908		
13,100.0	8,575.0	14,065.3	9,578.9	112.7	117.6	-117.72	1,179.7	3,976.8	2,235.8	2,026.7	209.10	10.693		
13,200.0	8,575.0	14,165.3	9,579.9	115.1	119.9	-117.74	1,179.8	4,076.8	2,236.3	2,023.0	213.27	10.486		
13,300.0	8,575.0	14,265.3	9,581.0	117.5	122.3	-117.77	1,179.9	4,176.8	2,236.8	2,019.3	217.45	10.287		
13,400.0	8,575.0	14,365.3	9,582.1	119.8	124.6	-117.79	1,180.1	4,276.8	2,237.3	2,015.7	221.63	10.095		
13,500.0	8,575.0	14,465.3	9,583.1	122.2	127.0	-117.81	1,180.2	4,376.7	2,237.8	2,012.0	225.82	9.910		
13,600.0	8,575.0	14,565.3	9,584.2	124.6	129.3	-117.84	1,180.3	4,476.7	2,238.3	2,008.3	230.02	9.731		
13,700.0	8,575.0	14,665.3	9,585.3	126.9	131.7	-117.86	1,180.4	4,576.7	2,238.8	2,004.6	234.22	9.559		
13,800.0	8,575.0	14,765.3	9,586.3	129.3	134.1	-117.89	1,180.6	4,676.7	2,239.3	2,000.9	238.42	9.392		
13,900.0	8,575.0	14,865.3	9,587.4	131.7	136.5	-117.91	1,180.7	4,776.7	2,239.8	1,997.2	242.63	9.232		
14,000.0	8,575.0	14,965.3	9,588.5	134.1	138.8	-117.93	1,180.8	4,876.7	2,240.3	1,993.5	246.84	9.076		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,100.0	8,575.0	15,065.3	9,589.5	136.4	141.2	-117.96	1,180.9	4,976.7	2,240.8	1,989.8	251.05	8.926		
14,200.0	8,575.0	15,165.3	9,590.6	138.8	143.6	-117.98	1,181.0	5,076.7	2,241.3	1,986.1	255.27	8.780		
14,300.0	8,575.0	15,265.3	9,591.6	141.2	146.0	-118.01	1,181.2	5,176.7	2,241.8	1,982.3	259.49	8.639		
14,400.0	8,575.0	15,365.3	9,592.7	143.6	148.4	-118.03	1,181.3	5,276.6	2,242.3	1,978.6	263.71	8.503		
14,500.0	8,575.0	15,465.3	9,593.8	146.0	150.7	-118.05	1,181.4	5,376.6	2,242.8	1,974.9	267.93	8.371		
14,600.0	8,575.0	15,565.3	9,594.8	148.4	153.1	-118.08	1,181.5	5,476.6	2,243.4	1,971.2	272.16	8.243		
14,700.0	8,575.0	15,665.3	9,595.9	150.8	155.5	-118.10	1,181.7	5,576.6	2,243.9	1,967.5	276.39	8.119		
14,800.0	8,575.0	15,765.3	9,597.0	153.2	157.9	-118.13	1,181.8	5,676.6	2,244.4	1,963.8	280.62	7.998		
14,900.0	8,575.0	15,865.2	9,598.0	155.6	160.3	-118.15	1,181.9	5,776.6	2,244.9	1,960.0	284.85	7.881		
15,000.0	8,575.0	15,965.2	9,599.1	158.0	162.7	-118.17	1,182.0	5,876.6	2,245.4	1,956.3	289.08	7.767		
15,100.0	8,575.0	16,065.2	9,600.2	160.4	165.1	-118.20	1,182.1	5,976.6	2,245.9	1,952.6	293.32	7.657		
15,200.0	8,575.0	16,165.2	9,601.2	162.8	167.5	-118.22	1,182.3	6,076.5	2,246.4	1,948.9	297.55	7.550		
15,300.0	8,575.0	16,265.2	9,602.3	165.2	169.9	-118.24	1,182.4	6,176.5	2,246.9	1,945.1	301.79	7.445		
15,400.0	8,575.0	16,365.2	9,603.4	167.6	172.3	-118.27	1,182.5	6,276.5	2,247.4	1,941.4	306.03	7.344		
15,500.0	8,575.0	16,465.2	9,604.4	170.0	174.7	-118.29	1,182.6	6,376.5	2,247.9	1,937.7	310.27	7.245		
15,600.0	8,575.0	16,565.2	9,605.5	172.5	177.1	-118.32	1,182.8	6,476.5	2,248.4	1,933.9	314.50	7.149		
15,700.0	8,575.0	16,665.2	9,606.6	174.9	179.6	-118.34	1,182.9	6,576.5	2,249.0	1,930.2	318.74	7.056		
15,800.0	8,575.0	16,765.2	9,607.6	177.3	182.0	-118.36	1,183.0	6,676.5	2,249.5	1,926.5	322.98	6.965		
15,900.0	8,575.0	16,865.2	9,608.7	179.7	184.4	-118.39	1,183.1	6,776.5	2,250.0	1,922.8	327.23	6.876		
16,000.0	8,575.0	16,965.2	9,609.7	182.1	186.8	-118.41	1,183.2	6,876.5	2,250.5	1,919.0	331.47	6.790		
16,100.0	8,575.0	17,065.2	9,610.8	184.5	189.2	-118.44	1,183.4	6,976.4	2,251.0	1,915.3	335.71	6.705		
16,200.0	8,575.0	17,165.2	9,611.9	187.0	191.6	-118.46	1,183.5	7,076.4	2,251.5	1,911.6	339.95	6.623		
16,300.0	8,575.0	17,265.2	9,612.9	189.4	194.0	-118.48	1,183.6	7,176.4	2,252.0	1,907.8	344.19	6.543		
16,400.0	8,575.0	17,365.2	9,614.0	191.8	196.4	-118.51	1,183.7	7,276.4	2,252.5	1,904.1	348.43	6.465		
16,500.0	8,575.0	17,465.2	9,615.1	194.2	198.9	-118.53	1,183.9	7,376.4	2,253.1	1,900.4	352.68	6.388		
16,600.0	8,575.0	17,565.2	9,616.1	196.6	201.3	-118.55	1,184.0	7,476.4	2,253.6	1,896.7	356.92	6.314		
16,700.0	8,575.0	17,665.1	9,617.2	199.1	203.7	-118.58	1,184.1	7,576.4	2,254.1	1,892.9	361.16	6.241		
16,800.0	8,575.0	17,765.1	9,618.3	201.5	206.1	-118.60	1,184.2	7,676.4	2,254.6	1,889.2	365.40	6.170		
16,900.0	8,575.0	17,865.1	9,619.3	203.9	208.5	-118.62	1,184.3	7,776.4	2,255.1	1,885.5	369.64	6.101		
17,000.0	8,575.0	17,965.1	9,620.4	206.3	211.0	-118.65	1,184.5	7,876.3	2,255.6	1,881.8	373.88	6.033		
17,100.0	8,575.0	18,065.1	9,621.5	208.8	213.4	-118.67	1,184.6	7,976.3	2,256.2	1,878.0	378.12	5.967		
17,200.0	8,575.0	18,165.1	9,622.5	211.2	215.8	-118.70	1,184.7	8,076.3	2,256.7	1,874.3	382.36	5.902		
17,300.0	8,575.0	18,265.1	9,623.6	213.6	218.2	-118.72	1,184.8	8,176.3	2,257.2	1,870.6	386.60	5.839		
17,400.0	8,575.0	18,365.1	9,624.7	216.0	220.7	-118.74	1,185.0	8,276.3	2,257.7	1,866.9	390.84	5.777		
17,500.0	8,575.0	18,465.1	9,625.7	218.5	223.1	-118.77	1,185.1	8,376.3	2,258.2	1,863.1	395.08	5.716		
17,600.0	8,575.0	18,565.1	9,626.8	220.9	225.5	-118.79	1,185.2	8,476.3	2,258.7	1,859.4	399.32	5.657		
17,700.0	8,575.0	18,665.1	9,627.8	223.3	227.9	-118.81	1,185.3	8,576.3	2,259.3	1,855.7	403.56	5.598		
17,800.0	8,575.0	18,765.1	9,628.9	225.8	230.4	-118.84	1,185.4	8,676.3	2,259.8	1,852.0	407.79	5.542		
17,900.0	8,575.0	18,865.1	9,630.0	228.2	232.8	-118.86	1,185.6	8,776.2	2,260.3	1,848.3	412.03	5.486		
18,000.0	8,575.0	18,965.1	9,631.0	230.6	235.2	-118.88	1,185.7	8,876.2	2,260.8	1,844.6	416.26	5.431		
18,100.0	8,575.0	19,065.1	9,632.1	233.0	237.6	-118.91	1,185.8	8,976.2	2,261.3	1,840.8	420.50	5.378		
18,200.0	8,575.0	19,165.1	9,633.2	235.5	240.1	-118.93	1,185.9	9,076.2	2,261.9	1,837.1	424.73	5.325		
18,300.0	8,575.0	19,265.1	9,634.2	237.9	242.5	-118.95	1,186.1	9,176.2	2,262.4	1,833.4	428.97	5.274		
18,400.0	8,575.0	19,365.0	9,635.3	240.3	244.9	-118.98	1,186.2	9,276.2	2,262.9	1,829.7	433.20	5.224		
18,500.0	8,575.0	19,465.0	9,636.4	242.8	247.4	-119.00	1,186.3	9,376.2	2,263.4	1,826.0	437.43	5.174		
18,600.0	8,575.0	19,565.0	9,637.4	245.2	249.8	-119.02	1,186.4	9,476.2	2,264.0	1,822.3	441.66	5.126		
18,700.0	8,575.0	19,665.0	9,638.5	247.6	252.2	-119.05	1,186.5	9,576.2	2,264.5	1,818.6	445.89	5.079		
18,800.0	8,575.0	19,765.0	9,639.6	250.1	254.7	-119.07	1,186.7	9,676.1	2,265.0	1,814.9	450.12	5.032		
18,900.0	8,575.0	19,865.0	9,640.6	252.5	257.1	-119.10	1,186.8	9,776.1	2,265.5	1,811.2	454.35	4.986		
19,000.0	8,575.0	19,965.0	9,641.7	255.0	259.5	-119.12	1,186.9	9,876.1	2,266.0	1,807.5	458.57	4.942		
19,100.0	8,575.0	20,065.0	9,642.7	257.4	262.0	-119.14	1,187.0	9,976.1	2,266.6	1,803.8	462.80	4.898		
19,200.0	8,575.0	20,165.0	9,643.8	259.8	264.4	-119.17	1,187.2	10,076.1	2,267.1	1,800.1	467.02	4.854		

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



## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
19,300.0	8,575.0	20,265.0	9,644.9	262.3	266.8	-119.19	1,187.3	10,176.1	2,267.6	1,796.4	471.25	4.812		
19,400.0	8,575.0	20,365.0	9,645.9	264.7	269.3	-119.21	1,187.4	10,276.1	2,268.1	1,792.7	475.47	4.770		
19,500.0	8,575.0	20,465.0	9,647.0	267.1	271.7	-119.24	1,187.5	10,376.1	2,268.7	1,789.0	479.69	4.729		
19,600.0	8,575.0	20,565.0	9,648.1	269.6	274.1	-119.26	1,187.6	10,476.0	2,269.2	1,785.3	483.91	4.689		
19,700.0	8,575.0	20,665.0	9,649.1	272.0	276.6	-119.28	1,187.8	10,576.0	2,269.7	1,781.6	488.13	4.650		
19,800.0	8,575.0	20,765.0	9,650.2	274.5	279.0	-119.31	1,187.9	10,676.0	2,270.3	1,777.9	492.35	4.611		
19,900.0	8,575.0	20,865.0	9,651.3	276.9	281.5	-119.33	1,188.0	10,776.0	2,270.8	1,774.2	496.57	4.573		
20,000.0	8,575.0	20,965.0	9,652.3	279.3	283.9	-119.35	1,188.1	10,876.0	2,271.3	1,770.5	500.78	4.536		
20,100.0	8,575.0	21,065.0	9,653.4	281.8	286.3	-119.38	1,188.3	10,976.0	2,271.8	1,766.8	505.00	4.499		
20,200.0	8,575.0	21,164.9	9,654.5	284.2	288.8	-119.40	1,188.4	11,076.0	2,272.4	1,763.2	509.21	4.463		
20,300.0	8,575.0	21,264.9	9,655.5	286.6	291.2	-119.42	1,188.5	11,176.0	2,272.9	1,759.5	513.42	4.427		
20,400.0	8,575.0	21,364.9	9,656.6	289.1	293.6	-119.45	1,188.6	11,276.0	2,273.4	1,755.8	517.63	4.392		
20,500.0	8,575.0	21,464.9	9,657.7	291.5	296.1	-119.47	1,188.7	11,375.9	2,274.0	1,752.1	521.84	4.358		
20,600.0	8,575.0	21,564.9	9,658.7	294.0	298.5	-119.49	1,188.9	11,475.9	2,274.5	1,748.4	526.05	4.324		
20,700.0	8,575.0	21,664.9	9,659.8	296.4	301.0	-119.52	1,189.0	11,575.9	2,275.0	1,744.8	530.26	4.290		
20,800.0	8,575.0	21,764.9	9,660.8	298.9	303.4	-119.54	1,189.1	11,675.9	2,275.5	1,741.1	534.46	4.258		
20,900.0	8,575.0	21,864.9	9,661.9	301.3	305.8	-119.56	1,189.2	11,775.9	2,276.1	1,737.4	538.67	4.225		
21,000.0	8,575.0	21,964.9	9,663.0	303.7	308.3	-119.58	1,189.4	11,875.9	2,276.6	1,733.7	542.87	4.194		
21,100.0	8,575.0	22,064.9	9,664.0	306.2	310.7	-119.61	1,189.5	11,975.9	2,277.1	1,730.1	547.07	4.162		
21,200.0	8,575.0	22,166.8	9,664.5	308.6	313.2	-119.61	1,189.9	12,077.8	2,277.6	1,726.2	551.41	4.131		
21,213.6	8,575.0	22,180.4	9,664.5	309.0	313.5	-119.61	1,190.0	12,091.4	2,277.7	1,725.7	552.00	4.126 ES, SF		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	69.31	30.2	79.9	85.4					
100.0	100.0	101.0	99.0	0.1	0.1	69.31	30.2	79.9	85.4	85.1	0.26	328.635		
200.0	200.0	201.0	199.0	0.5	0.5	69.31	30.2	79.9	85.4	84.4	0.98	87.435		
300.0	300.0	301.0	299.0	0.8	0.8	69.31	30.2	79.9	85.4	83.7	1.69	50.426		
400.0	400.0	401.0	399.0	1.2	1.2	69.31	30.2	79.9	85.4	83.0	2.41	35.429		
500.0	500.0	501.0	499.0	1.6	1.6	69.31	30.2	79.9	85.4	82.3	3.13	27.308		
600.0	600.0	601.0	599.0	1.9	1.9	69.31	30.2	79.9	85.4	81.6	3.84	22.215		
700.0	700.0	701.0	699.0	2.3	2.3	69.31	30.2	79.9	85.4	80.8	4.56	18.724		
800.0	800.0	801.0	799.0	2.6	2.6	69.31	30.2	79.9	85.4	80.1	5.28	16.181		
900.0	900.0	901.0	899.0	3.0	3.0	69.31	30.2	79.9	85.4	79.4	6.00	14.246		
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	69.31	30.2	79.9	85.4	78.7	6.71	12.724 CC, ES		
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	-152.17	30.2	79.9	87.3	79.9	7.41	11.780		
1,200.0	1,199.7	1,201.3	1,198.7	4.0	4.1	-153.98	30.2	79.9	93.2	85.1	8.11	11.493		
1,300.0	1,299.1	1,301.9	1,298.1	4.4	4.4	-156.53	30.2	79.9	103.1	94.3	8.81	11.704		
1,372.0	1,370.4	1,369.4	1,369.4	4.6	4.7	-158.57	30.2	79.9	112.8	103.5	9.30	12.134		
1,400.0	1,398.0	1,403.0	1,397.0	4.7	4.8	-159.38	30.2	79.9	117.0	107.5	9.51	12.301		
1,500.0	1,496.7	1,495.7	1,495.7	5.1	5.1	-161.84	30.2	79.9	132.3	122.1	10.19	12.986		
1,600.0	1,595.4	1,596.7	1,596.7	5.5	5.5	-163.94	30.0	79.1	147.0	136.1	10.89	13.504		
1,700.0	1,694.1	1,698.2	1,698.2	5.9	5.8	-165.91	29.4	76.6	160.3	148.7	11.58	13.840		
1,800.0	1,792.7	1,800.1	1,799.9	6.3	6.2	-167.82	28.5	72.2	172.1	159.8	12.28	14.014		
1,900.0	1,891.4	1,902.2	1,901.9	6.7	6.5	-169.74	27.1	66.1	182.4	169.4	12.98	14.055		
2,000.0	1,990.1	2,004.6	2,004.0	7.1	6.9	-171.70	25.3	58.2	191.4	177.7	13.69	13.986		
2,100.0	2,088.8	2,107.1	2,106.0	7.5	7.3	-173.75	23.1	48.5	199.0	184.6	14.39	13.827		
2,200.0	2,187.5	2,209.8	2,208.0	7.9	7.6	-175.91	20.5	37.1	205.4	190.2	15.11	13.594		
2,300.0	2,286.2	2,312.0	2,309.3	8.3	8.0	-178.21	17.6	23.9	210.5	194.7	15.83	13.300		
2,400.0	2,384.9	2,411.6	2,407.9	8.8	8.4	-179.56	14.5	10.4	215.4	198.8	16.55	13.011		
2,500.0	2,483.5	2,511.1	2,506.5	9.2	8.8	-177.42	11.5	-3.2	220.6	203.3	17.29	12.759		
2,600.0	2,582.2	2,610.6	2,605.0	9.6	9.1	-175.39	8.4	-16.7	226.1	208.0	18.03	12.540		
2,700.0	2,680.9	2,710.2	2,703.6	10.1	9.5	-173.46	5.4	-30.2	231.8	213.0	18.77	12.348		
2,800.0	2,779.6	2,809.7	2,802.2	10.5	9.9	-171.62	2.4	-43.7	237.8	218.3	19.53	12.180		
2,900.0	2,878.3	2,909.2	2,900.7	10.9	10.3	-169.87	-0.7	-57.2	244.1	223.8	20.28	12.033		
3,000.0	2,977.0	3,008.8	2,999.3	11.3	10.7	-168.21	-3.7	-70.7	250.5	229.5	21.05	11.903		
3,100.0	3,075.7	3,108.3	3,097.8	11.8	11.1	-166.63	-6.8	-84.2	257.2	235.4	21.82	11.788		
3,200.0	3,174.3	3,207.8	3,196.4	12.2	11.5	-165.14	-9.8	-97.8	264.0	241.5	22.59	11.686		
3,300.0	3,273.0	3,307.4	3,295.0	12.6	11.9	-163.72	-12.9	-111.3	271.1	247.7	23.38	11.596		
3,400.0	3,371.7	3,406.9	3,393.5	13.1	12.3	-162.37	-15.9	-124.8	278.2	254.1	24.16	11.517		
3,500.0	3,470.4	3,506.4	3,492.1	13.5	12.7	-161.09	-18.9	-138.3	285.6	260.6	24.95	11.446		
3,600.0	3,569.1	3,606.0	3,590.7	14.0	13.1	-159.88	-22.0	-151.8	293.0	267.3	25.74	11.383		
3,700.0	3,667.8	3,705.5	3,689.2	14.4	13.5	-158.72	-25.0	-165.3	300.6	274.1	26.54	11.326		
3,800.0	3,766.5	3,805.0	3,787.8	14.8	13.9	-157.62	-28.1	-178.8	308.3	281.0	27.34	11.276		
3,900.0	3,865.1	3,904.6	3,886.4	15.3	14.3	-156.58	-31.1	-192.4	316.1	288.0	28.15	11.231		
4,000.0	3,963.8	4,004.1	3,984.9	15.7	14.7	-155.59	-34.2	-205.9	324.0	295.1	28.95	11.191		
4,100.0	4,062.5	4,103.6	4,083.5	16.1	15.1	-154.64	-37.2	-219.4	332.0	302.2	29.76	11.156		
4,200.0	4,161.2	4,203.2	4,182.1	16.6	15.5	-153.74	-40.2	-232.9	340.1	309.5	30.57	11.123		
4,300.0	4,259.9	4,302.7	4,280.6	17.0	15.9	-152.88	-43.3	-246.4	348.3	316.9	31.39	11.095		
4,400.0	4,358.6	4,402.2	4,379.2	17.5	16.3	-152.06	-46.3	-259.9	356.5	324.3	32.21	11.069		
4,500.0	4,457.3	4,501.8	4,477.8	17.9	16.8	-151.28	-49.4	-273.4	364.8	331.8	33.02	11.046		
4,600.0	4,555.9	4,601.3	4,576.3	18.3	17.2	-150.53	-52.4	-287.0	373.2	339.3	33.85	11.026		
4,700.0	4,654.6	4,700.8	4,674.9	18.8	17.6	-149.82	-55.5	-300.5	381.6	346.9	34.67	11.007		
4,800.0	4,753.3	4,800.4	4,773.4	19.2	18.0	-149.13	-58.5	-314.0	390.1	354.6	35.49	10.991		
4,900.0	4,852.0	4,900.1	4,872.0	19.7	18.4	-148.48	-61.5	-327.5	398.6	362.3	36.32	10.976		
5,000.0	4,950.7	5,000.6	4,970.6	20.1	18.8	-147.85	-64.6	-341.0	407.2	370.1	37.15	10.962		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	5,049.4	5,101.0	5,069.1	20.6	19.2	147.25	-67.6	-354.5	415.9	377.9	37.98	10.949		
5,200.0	5,148.1	5,201.5	5,167.7	21.0	19.7	146.67	-70.7	-368.0	424.5	385.7	38.81	10.938		
5,300.0	5,246.7	5,302.0	5,266.3	21.4	20.1	146.12	-73.7	-381.6	433.3	393.6	39.65	10.928		
5,400.0	5,345.4	5,402.4	5,364.8	21.9	20.5	145.59	-76.8	-395.1	442.0	401.5	40.48	10.919		
5,500.0	5,444.1	5,502.9	5,463.4	22.3	20.9	145.08	-79.8	-408.6	450.8	409.5	41.32	10.911		
5,600.0	5,542.8	5,603.4	5,562.0	22.8	21.3	144.59	-82.8	-422.1	459.7	417.5	42.16	10.904		
5,700.0	5,641.5	5,703.8	5,660.5	23.2	21.8	144.11	-85.9	-435.6	468.5	425.5	42.99	10.897		
5,800.0	5,740.2	5,804.3	5,759.1	23.7	22.2	143.66	-88.9	-449.1	477.4	433.6	43.83	10.892		
5,900.0	5,838.9	5,895.2	5,857.7	24.1	22.6	143.22	-92.0	-462.6	486.3	441.7	44.63	10.897		
6,000.0	5,937.5	6,005.2	5,956.2	24.5	23.0	142.80	-95.0	-476.2	495.3	449.8	45.51	10.883		
6,100.0	6,036.2	6,105.7	6,054.8	25.0	23.4	142.39	-98.1	-489.7	504.3	457.9	46.35	10.879		
6,200.0	6,134.9	6,206.2	6,153.3	25.4	23.9	141.99	-101.1	-503.2	513.3	466.1	47.19	10.876		
6,300.0	6,233.6	6,306.6	6,251.9	25.9	24.3	141.61	-104.1	-516.7	522.3	474.3	48.03	10.873		
6,400.0	6,332.3	6,407.1	6,350.5	26.3	24.7	141.25	-107.2	-530.2	531.3	482.5	48.88	10.871		
6,500.0	6,431.0	6,507.6	6,449.0	26.8	25.1	140.89	-110.2	-543.7	540.4	490.7	49.72	10.869		
6,600.0	6,529.6	6,608.0	6,547.6	27.2	25.5	140.55	-113.3	-557.2	549.5	498.9	50.56	10.868		
6,700.0	6,628.3	6,708.5	6,646.2	27.6	26.0	140.22	-116.3	-570.8	558.6	507.2	51.41	10.866		
6,800.0	6,727.0	6,809.0	6,744.7	28.1	26.4	139.89	-119.4	-584.3	567.7	515.5	52.25	10.866		
6,900.0	6,825.7	6,909.4	6,843.3	28.5	26.8	139.58	-122.4	-597.8	576.9	523.8	53.09	10.865		
7,000.0	6,924.4	7,009.9	6,941.9	29.0	27.2	139.28	-125.4	-611.3	586.0	532.1	53.94	10.865		
7,100.0	7,023.1	7,089.6	7,040.4	29.4	27.6	138.99	-128.5	-624.8	595.2	540.5	54.70	10.862		
7,200.0	7,121.8	7,189.2	7,139.0	29.9	28.0	138.71	-131.5	-638.3	604.4	548.8	55.54	10.882		
7,300.0	7,220.4	7,288.7	7,237.6	30.3	28.4	138.43	-134.6	-651.8	613.6	557.2	56.38	10.883		
7,400.0	7,319.1	7,388.2	7,336.1	30.7	28.8	138.16	-137.6	-665.3	622.8	565.6	57.22	10.884		
7,466.5	7,384.7	7,452.6	7,399.9	31.0	29.1	138.03	-139.5	-673.7	629.0	571.2	57.76	10.890		
7,500.0	7,417.8	7,484.9	7,432.0	31.2	29.2	138.02	-140.4	-677.6	632.1	574.1	58.03	10.894		
7,600.0	7,516.9	7,581.3	7,527.8	31.6	29.6	138.03	-142.6	-687.4	640.4	581.6	58.79	10.893		
7,700.0	7,616.2	7,677.7	7,624.0	32.0	30.0	138.08	-144.3	-694.9	647.3	587.8	59.53	10.874		
7,800.0	7,715.8	7,774.3	7,720.3	32.4	30.3	138.19	-145.4	-700.0	652.8	592.6	60.23	10.839		
7,900.0	7,815.6	7,870.8	7,816.8	32.8	30.6	138.33	-146.0	-702.7	656.8	595.9	60.89	10.788		
8,000.0	7,915.5	7,968.5	7,914.5	33.1	30.9	138.52	-146.1	-703.2	659.4	597.9	61.52	10.718		
8,086.5	8,002.0	8,055.0	8,001.0	33.3	31.2	-0.61	-146.1	-703.2	660.1	598.1	62.06	10.637		
8,100.0	8,015.5	8,068.5	8,014.5	33.4	31.3	-90.42	-146.1	-703.2	660.1	598.0	62.14	10.622		
8,150.0	8,065.4	8,118.4	8,064.4	33.5	31.4	-90.71	-146.1	-703.2	660.2	597.7	62.46	10.569		
8,200.0	8,114.8	8,167.8	8,113.8	33.6	31.6	-91.35	-146.1	-703.2	660.3	597.5	62.79	10.516		
8,250.0	8,163.3	8,216.3	8,162.3	33.7	31.7	-92.32	-146.1	-703.2	660.7	597.6	63.13	10.465		
8,300.0	8,210.6	8,263.6	8,209.6	33.8	31.9	-93.55	-146.1	-703.2	661.6	598.1	63.48	10.422		
8,350.0	8,256.3	8,309.3	8,255.3	33.8	32.0	-94.98	-146.1	-703.2	663.2	599.4	63.82	10.391		
8,400.0	8,300.1	8,353.1	8,299.1	33.9	32.2	-96.52	-146.1	-703.2	666.0	601.8	64.17	10.378		
8,450.0	8,341.6	8,405.4	8,340.6	33.9	32.3	-98.07	-146.1	-703.2	670.3	605.7	64.54	10.385		
8,500.0	8,380.6	8,433.5	8,379.6	33.9	32.4	-99.53	-146.1	-703.2	676.4	611.6	64.83	10.433		
8,550.0	8,416.6	8,469.6	8,415.6	33.9	32.5	-100.79	-146.1	-703.2	684.8	619.6	65.13	10.513		
8,600.0	8,449.5	8,502.5	8,448.5	33.9	32.6	-101.75	-146.1	-703.2	695.7	630.3	65.41	10.636		
8,650.0	8,479.0	8,531.9	8,478.0	33.9	32.7	-102.32	-146.1	-703.2	709.5	643.9	65.66	10.806		
8,700.0	8,504.8	8,557.8	8,503.8	33.9	32.8	-102.41	-146.1	-703.2	726.3	660.4	65.87	11.026		
8,750.0	8,526.9	8,579.8	8,525.9	33.8	32.9	-101.93	-146.1	-703.2	746.1	680.1	66.04	11.298		
8,800.0	8,544.9	8,602.2	8,543.9	33.8	32.9	-100.82	-146.1	-703.2	769.0	702.8	66.18	11.619		
8,850.0	8,558.8	8,611.7	8,557.8	33.8	33.0	-98.99	-146.1	-703.2	794.7	728.4	66.26	11.994		
8,900.0	8,568.4	8,621.4	8,567.4	33.7	33.0	-96.39	-146.1	-703.2	823.0	756.7	66.30	12.413		
8,950.0	8,573.8	8,626.8	8,572.8	33.7	33.0	-92.98	-146.1	-703.2	853.6	787.3	66.31	12.873		
8,986.5	8,575.0	8,627.9	8,574.0	33.7	33.0	-90.00	-146.1	-703.2	877.2	810.9	66.29	13.232		
8,993.2	8,575.0	8,627.9	8,574.0	33.8	33.0	-90.00	-146.1	-703.2	881.6	815.3	66.28	13.300		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
9,000.0	8,575.0	8,627.9	8,574.0	33.8	33.0	-90.00	-146.1	-703.2	886.2	819.9	66.28	13.370		
9,100.0	8,575.0	8,627.9	8,574.0	33.9	33.0	-90.00	-146.1	-703.2	955.9	889.7	66.19	14.442		
9,200.0	8,575.0	8,627.9	8,574.0	34.4	33.0	-90.00	-146.1	-703.2	1,030.7	964.6	66.10	15.593		
9,300.0	8,575.0	8,627.9	8,574.0	35.3	33.0	-90.00	-146.1	-703.2	1,109.5	1,043.5	66.01	16.808		
9,400.0	8,575.0	8,627.9	8,574.0	36.3	33.0	-90.00	-146.1	-703.2	1,191.4	1,125.5	65.92	18.074		
9,500.0	8,575.0	10,482.1	9,592.8	37.6	40.5	-147.11	-144.8	381.8	1,213.3	1,162.3	51.00	23.791		
9,600.0	8,575.0	10,582.0	9,593.6	38.9	41.7	-147.13	-144.7	481.8	1,214.0	1,161.4	52.61	23.073		
9,700.0	8,575.0	10,682.0	9,594.3	40.4	43.0	-147.15	-144.6	581.8	1,214.6	1,160.3	54.34	22.351		
9,800.0	8,575.0	10,782.0	9,595.1	41.9	44.5	-147.17	-144.4	681.8	1,215.2	1,159.1	56.17	21.635		
9,900.0	8,575.0	10,882.0	9,595.8	43.6	46.0	-147.19	-144.3	781.8	1,215.9	1,157.8	58.09	20.931		
10,000.0	8,575.0	10,982.0	9,596.6	45.3	47.6	-147.21	-144.2	881.8	1,216.5	1,156.4	60.09	20.244		
10,100.0	8,575.0	11,082.0	9,597.3	47.0	49.2	-147.23	-144.1	981.8	1,217.1	1,155.0	62.17	19.578		
10,200.0	8,575.0	11,182.0	9,598.1	48.9	51.0	-147.24	-144.0	1,081.8	1,217.8	1,153.5	64.31	18.936		
10,300.0	8,575.0	11,282.0	9,598.8	50.8	52.8	-147.26	-143.8	1,181.8	1,218.4	1,151.9	66.51	18.318		
10,400.0	8,575.0	11,382.0	9,599.6	52.7	54.6	-147.28	-143.7	1,281.8	1,219.0	1,150.3	68.77	17.726		
10,500.0	8,575.0	11,482.0	9,600.3	54.7	56.5	-147.30	-143.6	1,381.8	1,219.7	1,148.6	71.08	17.160		
10,600.0	8,575.0	11,582.0	9,601.1	56.7	58.4	-147.32	-143.5	1,481.8	1,220.3	1,146.9	73.42	16.620		
10,700.0	8,575.0	11,682.0	9,601.8	58.7	60.4	-147.34	-143.3	1,581.8	1,220.9	1,145.1	75.81	16.105		
10,800.0	8,575.0	11,782.0	9,602.6	60.8	62.4	-147.36	-143.2	1,681.8	1,221.6	1,143.3	78.24	15.614		
10,900.0	8,575.0	11,882.0	9,603.3	62.9	64.4	-147.38	-143.1	1,781.8	1,222.2	1,141.5	80.69	15.147		
11,000.0	8,575.0	11,982.0	9,604.1	65.0	66.5	-147.39	-143.0	1,881.7	1,222.9	1,139.7	83.18	14.702		
11,100.0	8,575.0	12,082.0	9,604.8	67.1	68.6	-147.41	-142.9	1,981.7	1,223.5	1,137.8	85.69	14.279		
11,200.0	8,575.0	12,182.0	9,605.6	69.3	70.7	-147.43	-142.7	2,081.7	1,224.1	1,135.9	88.22	13.876		
11,300.0	8,575.0	12,282.0	9,606.3	71.5	72.8	-147.45	-142.6	2,181.7	1,224.8	1,134.0	90.78	13.492		
11,400.0	8,575.0	12,382.0	9,607.1	73.7	75.0	-147.47	-142.5	2,281.7	1,225.4	1,132.0	93.35	13.126		
11,500.0	8,575.0	12,482.0	9,607.8	75.9	77.1	-147.49	-142.4	2,381.7	1,226.0	1,130.1	95.95	12.778		
11,600.0	8,575.0	12,582.0	9,608.6	78.2	79.3	-147.51	-142.2	2,481.7	1,226.7	1,128.1	98.56	12.446		
11,700.0	8,575.0	12,682.0	9,609.3	80.4	81.5	-147.52	-142.1	2,581.7	1,227.3	1,126.1	101.18	12.130		
11,800.0	8,575.0	12,782.0	9,610.1	82.7	83.7	-147.54	-142.0	2,681.7	1,227.9	1,124.1	103.82	11.828		
11,900.0	8,575.0	12,882.0	9,610.8	84.9	86.0	-147.56	-141.9	2,781.7	1,228.6	1,122.1	106.47	11.539		
12,000.0	8,575.0	12,982.0	9,611.6	87.2	88.2	-147.58	-141.8	2,881.7	1,229.2	1,120.1	109.13	11.263		
12,100.0	8,575.0	13,082.0	9,612.3	89.5	90.5	-147.60	-141.6	2,981.7	1,229.9	1,118.1	111.81	11.000		
12,200.0	8,575.0	13,182.0	9,613.1	91.8	92.7	-147.62	-141.5	3,081.7	1,230.5	1,116.0	114.49	10.748		
12,300.0	8,575.0	13,282.0	9,613.8	94.1	95.0	-147.64	-141.4	3,181.7	1,231.1	1,114.0	117.18	10.506		
12,400.0	8,575.0	13,382.0	9,614.6	96.4	97.3	-147.65	-141.3	3,281.7	1,231.8	1,111.9	119.88	10.275		
12,500.0	8,575.0	13,482.0	9,615.3	98.7	99.6	-147.67	-141.1	3,381.7	1,232.4	1,109.8	122.58	10.054		
12,600.0	8,575.0	13,582.0	9,616.1	101.0	101.9	-147.69	-141.0	3,481.7	1,233.0	1,107.8	125.29	9.841		
12,700.0	8,575.0	13,682.0	9,616.8	103.4	104.2	-147.71	-140.9	3,581.6	1,233.7	1,105.7	128.01	9.637		
12,800.0	8,575.0	13,782.0	9,617.6	105.7	106.5	-147.73	-140.8	3,681.6	1,234.3	1,103.6	130.74	9.441		
12,900.0	8,575.0	13,882.0	9,618.3	108.0	108.8	-147.75	-140.7	3,781.6	1,235.0	1,101.5	133.47	9.253		
13,000.0	8,575.0	13,982.0	9,619.1	110.4	111.1	-147.76	-140.5	3,881.6	1,235.6	1,099.4	136.20	9.072		
13,100.0	8,575.0	14,081.9	9,619.8	112.7	113.5	-147.78	-140.4	3,981.6	1,236.2	1,097.3	138.94	8.898		
13,200.0	8,575.0	14,181.9	9,620.6	115.1	115.8	-147.80	-140.3	4,081.6	1,236.9	1,095.2	141.68	8.730		
13,300.0	8,575.0	14,281.9	9,621.3	117.5	118.1	-147.82	-140.2	4,181.6	1,237.5	1,093.1	144.42	8.569		
13,400.0	8,575.0	14,381.9	9,622.1	119.8	120.5	-147.84	-140.0	4,281.6	1,238.2	1,091.0	147.17	8.413		
13,500.0	8,575.0	14,481.9	9,622.8	122.2	122.8	-147.85	-139.9	4,381.6	1,238.8	1,088.9	149.92	8.263		
13,600.0	8,575.0	14,581.9	9,623.6	124.6	125.2	-147.87	-139.8	4,481.6	1,239.4	1,086.8	152.68	8.118		
13,700.0	8,575.0	14,681.9	9,624.3	126.9	127.5	-147.89	-139.7	4,581.6	1,240.1	1,084.6	155.43	7.978		
13,800.0	8,575.0	14,781.9	9,625.1	129.3	129.9	-147.91	-139.6	4,681.6	1,240.7	1,082.5	158.19	7.843		
13,900.0	8,575.0	14,881.9	9,625.8	131.7	132.3	-147.93	-139.4	4,781.6	1,241.3	1,080.4	160.95	7.713		
14,000.0	8,575.0	14,981.9	9,626.6	134.1	134.6	-147.95	-139.3	4,881.6	1,242.0	1,078.3	163.71	7.586		
14,100.0	8,575.0	15,081.9	9,627.3	136.4	137.0	-147.96	-139.2	4,981.6	1,242.6	1,076.1	166.48	7.464		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,200.0	8,575.0	15,181.9	9,628.1	138.8	139.4	-147.98	-139.1	5,081.6	1,243.3	1,074.0	169.24	7.346		
14,300.0	8,575.0	15,281.9	9,628.8	141.2	141.7	-148.00	-138.9	5,181.6	1,243.9	1,071.9	172.01	7.232		
14,400.0	8,575.0	15,381.9	9,629.6	143.6	144.1	-148.02	-138.8	5,281.6	1,244.5	1,069.8	174.78	7.121		
14,500.0	8,575.0	15,481.9	9,630.3	146.0	146.5	-148.04	-138.7	5,381.5	1,245.2	1,067.6	177.54	7.013		
14,600.0	8,575.0	15,581.9	9,631.1	148.4	148.9	-148.05	-138.6	5,481.5	1,245.8	1,065.5	180.31	6.909		
14,700.0	8,575.0	15,681.9	9,631.8	150.8	151.3	-148.07	-138.5	5,581.5	1,246.5	1,063.4	183.08	6.808		
14,800.0	8,575.0	15,781.9	9,632.6	153.2	153.7	-148.09	-138.3	5,681.5	1,247.1	1,061.3	185.85	6.710		
14,900.0	8,575.0	15,881.9	9,633.3	155.6	156.0	-148.11	-138.2	5,781.5	1,247.7	1,059.1	188.62	6.615		
15,000.0	8,575.0	15,981.9	9,634.1	158.0	158.4	-148.13	-138.1	5,881.5	1,248.4	1,057.0	191.39	6.523		
15,100.0	8,575.0	16,081.9	9,634.8	160.4	160.8	-148.14	-138.0	5,981.5	1,249.0	1,054.9	194.17	6.433		
15,200.0	8,575.0	16,181.9	9,635.6	162.8	163.2	-148.16	-137.8	6,081.5	1,249.7	1,052.7	196.94	6.346		
15,300.0	8,575.0	16,281.9	9,636.3	165.2	165.6	-148.18	-137.7	6,181.5	1,250.3	1,050.6	199.71	6.261		
15,400.0	8,575.0	16,381.9	9,637.1	167.6	168.0	-148.20	-137.6	6,281.5	1,251.0	1,048.5	202.48	6.178		
15,500.0	8,575.0	16,481.9	9,637.8	170.0	170.4	-148.21	-137.5	6,381.5	1,251.6	1,046.3	205.25	6.098		
15,600.0	8,575.0	16,581.9	9,638.6	172.5	172.8	-148.23	-137.4	6,481.5	1,252.2	1,044.2	208.02	6.020		
15,700.0	8,575.0	16,681.9	9,639.3	174.9	175.2	-148.25	-137.2	6,581.5	1,252.9	1,042.1	210.79	5.944		
15,800.0	8,575.0	16,781.9	9,640.1	177.3	177.6	-148.27	-137.1	6,681.5	1,253.5	1,040.0	213.56	5.870		
15,900.0	8,575.0	16,881.9	9,640.8	179.7	180.0	-148.29	-137.0	6,781.5	1,254.2	1,037.8	216.33	5.797		
16,000.0	8,575.0	16,981.9	9,641.6	182.1	182.5	-148.30	-136.9	6,881.5	1,254.8	1,035.7	219.10	5.727		
16,100.0	8,575.0	17,081.9	9,642.3	184.5	184.9	-148.32	-136.7	6,981.5	1,255.4	1,033.6	221.87	5.658		
16,200.0	8,575.0	17,181.9	9,643.1	187.0	187.3	-148.34	-136.6	7,081.4	1,256.1	1,031.4	224.64	5.592		
16,300.0	8,575.0	17,281.9	9,643.9	189.4	189.7	-148.36	-136.5	7,181.4	1,256.7	1,029.3	227.41	5.526		
16,400.0	8,575.0	17,381.9	9,644.6	191.8	192.1	-148.37	-136.4	7,281.4	1,257.4	1,027.2	230.17	5.463		
16,500.0	8,575.0	17,481.9	9,645.4	194.2	194.5	-148.39	-136.3	7,381.4	1,258.0	1,025.1	232.94	5.401		
16,600.0	8,575.0	17,581.9	9,646.1	196.6	196.9	-148.41	-136.1	7,481.4	1,258.7	1,023.0	235.70	5.340		
16,700.0	8,575.0	17,681.8	9,646.9	199.1	199.3	-148.43	-136.0	7,581.4	1,259.3	1,020.8	238.47	5.281		
16,800.0	8,575.0	17,781.8	9,647.6	201.5	201.8	-148.44	-135.9	7,681.4	1,259.9	1,018.7	241.23	5.223		
16,900.0	8,575.0	17,881.8	9,648.4	203.9	204.2	-148.46	-135.8	7,781.4	1,260.6	1,016.6	244.00	5.166		
17,000.0	8,575.0	17,981.8	9,649.1	206.3	206.6	-148.48	-135.6	7,881.4	1,261.2	1,014.5	246.76	5.111		
17,100.0	8,575.0	18,081.8	9,649.9	208.8	209.0	-148.50	-135.5	7,981.4	1,261.9	1,012.4	249.52	5.057		
17,200.0	8,575.0	18,181.8	9,650.6	211.2	211.4	-148.51	-135.4	8,081.4	1,262.5	1,010.2	252.28	5.004		
17,300.0	8,575.0	18,281.8	9,651.4	213.6	213.9	-148.53	-135.3	8,181.4	1,263.2	1,008.1	255.04	4.953		
17,400.0	8,575.0	18,381.8	9,652.1	216.0	216.3	-148.55	-135.2	8,281.4	1,263.8	1,006.0	257.80	4.902		
17,500.0	8,575.0	18,481.8	9,652.9	218.5	218.7	-148.57	-135.0	8,381.4	1,264.4	1,003.9	260.55	4.853		
17,600.0	8,575.0	18,581.8	9,653.6	220.9	221.1	-148.58	-134.9	8,481.4	1,265.1	1,001.8	263.31	4.805		
17,700.0	8,575.0	18,681.8	9,654.4	223.3	223.5	-148.60	-134.8	8,581.4	1,265.7	999.7	266.06	4.757		
17,800.0	8,575.0	18,781.8	9,655.1	225.8	226.0	-148.62	-134.7	8,681.4	1,266.4	997.6	268.82	4.711		
17,900.0	8,575.0	18,881.8	9,655.9	228.2	228.4	-148.64	-134.5	8,781.4	1,267.0	995.5	271.57	4.666		
18,000.0	8,575.0	18,981.8	9,656.6	230.6	230.8	-148.65	-134.4	8,881.3	1,267.7	993.3	274.32	4.621		
18,100.0	8,575.0	19,081.8	9,657.4	233.0	233.3	-148.67	-134.3	8,981.3	1,268.3	991.2	277.07	4.578		
18,200.0	8,575.0	19,181.8	9,658.1	235.5	235.7	-148.69	-134.2	9,081.3	1,269.0	989.1	279.82	4.535		
18,300.0	8,575.0	19,281.8	9,658.9	237.9	238.1	-148.71	-134.1	9,181.3	1,269.6	987.0	282.57	4.493		
18,400.0	8,575.0	19,381.8	9,659.6	240.3	240.5	-148.72	-133.9	9,281.3	1,270.2	984.9	285.31	4.452		
18,500.0	8,575.0	19,481.8	9,660.4	242.8	243.0	-148.74	-133.8	9,381.3	1,270.9	982.8	288.06	4.412		
18,600.0	8,575.0	19,581.8	9,661.1	245.2	245.4	-148.76	-133.7	9,481.3	1,271.5	980.7	290.80	4.372		
18,700.0	8,575.0	19,681.8	9,661.9	247.6	247.8	-148.78	-133.6	9,581.3	1,272.2	978.6	293.55	4.334		
18,800.0	8,575.0	19,781.8	9,662.6	250.1	250.3	-148.79	-133.4	9,681.3	1,272.8	976.5	296.29	4.296		
18,900.0	8,575.0	19,881.8	9,663.4	252.5	252.7	-148.81	-133.3	9,781.3	1,273.5	974.4	299.03	4.259		
19,000.0	8,575.0	19,981.8	9,664.1	255.0	255.1	-148.83	-133.2	9,881.3	1,274.1	972.4	301.77	4.222		
19,100.0	8,575.0	20,081.8	9,664.9	257.4	257.6	-148.84	-133.1	9,981.3	1,274.8	970.3	304.50	4.186		
19,200.0	8,575.0	20,181.8	9,665.6	259.8	260.0	-148.86	-133.0	10,081.3	1,275.4	968.2	307.24	4.151		
19,300.0	8,575.0	20,281.8	9,666.4	262.3	262.4	-148.88	-132.8	10,181.3	1,276.1	966.1	309.97	4.117		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design Simon Camamile Fed Com - Simon Camamile Fed Com #136H - 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	
19,400.0	8,575.0	20,381.8	9,667.1	264.7	264.8	-148.90	-132.7	10,281.3	1,276.7	964.0	312.71	4.083	
19,500.0	8,575.0	20,481.8	9,667.9	267.1	267.3	-148.91	-132.6	10,381.3	1,277.3	961.9	315.44	4.049	
19,600.0	8,575.0	20,581.8	9,668.6	269.6	269.7	-148.93	-132.5	10,481.3	1,278.0	959.8	318.17	4.017	
19,700.0	8,575.0	20,681.8	9,669.4	272.0	272.2	-148.95	-132.3	10,581.2	1,278.6	957.7	320.90	3.985	
19,800.0	8,575.0	20,781.8	9,670.1	274.5	274.6	-148.96	-132.2	10,681.2	1,279.3	955.7	323.62	3.953	
19,900.0	8,575.0	20,881.8	9,670.9	276.9	277.0	-148.98	-132.1	10,781.2	1,279.9	953.6	326.35	3.922	
20,000.0	8,575.0	20,981.8	9,671.6	279.3	279.5	-149.00	-132.0	10,881.2	1,280.6	951.5	329.07	3.891	
20,100.0	8,575.0	21,081.8	9,672.4	281.8	281.9	-149.01	-131.9	10,981.2	1,281.2	949.4	331.80	3.861	
20,200.0	8,575.0	21,181.7	9,673.1	284.2	284.3	-149.03	-131.7	11,081.2	1,281.9	947.4	334.52	3.832	
20,300.0	8,575.0	21,281.7	9,673.9	286.6	286.8	-149.05	-131.6	11,181.2	1,282.5	945.3	337.24	3.803	
20,400.0	8,575.0	21,381.7	9,674.6	289.1	289.2	-149.07	-131.5	11,281.2	1,283.2	943.2	339.96	3.774	
20,500.0	8,575.0	21,481.7	9,675.4	291.5	291.6	-149.08	-131.4	11,381.2	1,283.8	941.1	342.68	3.746	
20,600.0	8,575.0	21,581.7	9,676.1	294.0	294.1	-149.10	-131.2	11,481.2	1,284.5	939.1	345.39	3.719	
20,700.0	8,575.0	21,681.7	9,676.9	296.4	296.5	-149.12	-131.1	11,581.2	1,285.1	937.0	348.11	3.692	
20,800.0	8,575.0	21,781.7	9,677.6	298.9	299.0	-149.13	-131.0	11,681.2	1,285.8	934.9	350.82	3.665	
20,900.0	8,575.0	21,881.7	9,678.4	301.3	301.4	-149.15	-130.9	11,781.2	1,286.4	932.9	353.53	3.639	
21,000.0	8,575.0	21,981.7	9,679.1	303.7	303.8	-149.17	-130.8	11,881.2	1,287.1	930.8	356.24	3.613	
21,100.0	8,575.0	22,081.7	9,679.9	306.2	306.3	-149.18	-130.6	11,981.2	1,287.7	928.8	358.95	3.587	
21,200.0	8,575.0	22,171.7	9,681.1	308.6	308.5	-149.20	-130.3	12,071.1	1,288.9	927.6	361.39	3.567	
21,213.6	8,575.0	22,185.2	9,681.3	309.0	308.8	-149.20	-130.2	12,084.7	1,289.1	927.4	361.75	3.564 SF	

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 196-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	-15.03	2,278.9	-612.0	2,360.0					
100.0	100.0	58.2	58.2	0.1	0.1	-15.03	2,279.0	-612.0	2,359.7	2,359.5	0.22	N/A CC		
200.0	200.0	152.1	152.1	0.5	0.2	-15.03	2,279.3	-612.0	2,360.0	2,359.3	0.72	3,278.013 ES		
300.0	300.0	241.2	241.2	0.8	0.5	-15.02	2,279.9	-611.8	2,360.6	2,359.3	1.31	1,803.951		
400.0	400.0	326.7	326.7	1.2	0.8	-15.01	2,281.0	-611.4	2,361.8	2,359.8	1.97	1,195.972		
500.0	500.0	415.9	415.9	1.6	1.1	-14.97	2,282.9	-610.4	2,363.5	2,360.9	2.65	890.614		
600.0	600.0	499.7	499.6	1.9	1.4	-14.92	2,285.3	-608.8	2,365.8	2,362.5	3.31	713.753		
700.0	700.0	597.2	597.0	2.3	1.7	-14.84	2,288.7	-606.5	2,368.5	2,364.5	4.02	588.604		
800.0	800.0	700.4	700.1	2.6	2.1	-14.75	2,292.3	-603.5	2,371.2	2,366.5	4.75	498.743		
900.0	900.0	813.7	813.3	3.0	2.5	-14.66	2,295.9	-600.7	2,373.6	2,368.1	5.52	429.921		
1,000.0	1,000.0	920.7	920.3	3.4	2.9	-14.61	2,298.2	-599.2	2,375.4	2,369.1	6.26	379.221		
1,100.0	1,100.0	996.3	995.9	3.7	3.2	124.55	2,299.9	-599.0	2,378.8	2,371.9	6.88	345.898		
1,200.0	1,199.7	1,063.0	1,062.5	4.0	3.4	124.48	2,302.1	-599.8	2,386.0	2,378.5	7.45	320.391		
1,300.0	1,299.1	1,138.0	1,137.4	4.4	3.7	124.39	2,305.3	-601.8	2,396.9	2,388.9	8.05	297.699		
1,372.0	1,370.4	1,204.0	1,203.3	4.6	3.9	124.35	2,308.5	-604.0	2,406.8	2,398.3	8.54	281.966		
1,400.0	1,398.0	1,232.7	1,232.0	4.7	4.0	124.43	2,309.8	-605.0	2,410.9	2,402.2	8.74	275.941		
1,500.0	1,496.7	1,343.0	1,342.1	5.1	4.4	124.72	2,314.6	-608.7	2,425.2	2,415.8	9.49	255.677		
1,600.0	1,595.4	1,457.6	1,456.5	5.5	4.8	125.03	2,319.1	-611.8	2,439.0	2,428.8	10.26	237.691		
1,700.0	1,694.1	1,560.4	1,559.3	5.9	5.2	125.33	2,322.8	-613.7	2,452.4	2,441.4	11.00	222.882		
1,800.0	1,792.7	1,649.4	1,648.3	6.3	5.5	125.59	2,326.2	-615.4	2,466.0	2,454.3	11.70	210.779		
1,900.0	1,891.4	1,745.3	1,744.0	6.7	5.9	125.84	2,330.1	-618.0	2,480.0	2,467.6	12.42	199.606		
2,000.0	1,990.1	2,012.4	2,010.9	7.1	6.8	126.56	2,332.9	-622.9	2,491.8	2,478.0	13.75	181.271		
2,100.0	2,088.8	2,142.5	2,140.9	7.5	7.2	126.90	2,328.3	-623.9	2,498.1	2,483.5	14.56	171.534		
2,200.0	2,187.5	2,233.8	2,232.2	7.9	7.5	127.13	2,325.0	-625.1	2,504.6	2,489.3	15.26	164.090		
2,300.0	2,286.2	2,327.4	2,325.7	8.3	7.8	127.36	2,321.4	-626.3	2,510.9	2,495.0	15.97	157.181		
2,400.0	2,384.9	2,392.0	2,390.3	8.8	8.0	127.53	2,319.7	-626.7	2,518.4	2,501.9	16.59	151.780		
2,500.0	2,483.5	2,460.8	2,459.2	9.2	8.3	127.73	2,318.9	-626.8	2,527.3	2,510.1	17.23	146.715		
2,600.0	2,582.2	2,541.9	2,540.3	9.6	8.5	127.97	2,319.0	-626.3	2,537.2	2,519.3	17.90	141.717		
2,700.0	2,680.9	2,629.2	2,627.5	10.1	8.8	128.26	2,319.5	-624.9	2,547.6	2,529.0	18.60	136.932		
2,800.0	2,779.6	2,712.4	2,710.7	10.5	9.1	128.54	2,320.6	-623.0	2,558.6	2,539.3	19.29	132.618		
2,900.0	2,878.3	2,794.6	2,792.8	10.9	9.4	128.83	2,322.3	-621.0	2,570.4	2,550.4	19.98	128.662		
3,000.0	2,977.0	2,892.7	2,890.9	11.3	9.8	129.16	2,324.6	-618.6	2,582.5	2,561.8	20.72	124.615		
3,100.0	3,075.7	2,995.7	2,993.8	11.8	10.1	129.49	2,326.7	-616.9	2,594.6	2,573.1	21.49	120.734		
3,200.0	3,174.3	3,099.2	3,097.3	12.2	10.5	129.81	2,328.6	-615.9	2,606.6	2,584.4	22.26	117.099		
3,300.0	3,273.0	3,205.8	3,203.9	12.6	10.9	130.12	2,330.1	-615.1	2,618.4	2,595.4	23.04	113.639		
3,400.0	3,371.7	3,301.7	3,299.7	13.1	11.2	130.41	2,331.4	-614.0	2,630.1	2,606.3	23.78	110.596		
3,500.0	3,470.4	3,400.6	3,398.6	13.5	11.6	130.71	2,333.0	-612.8	2,642.1	2,617.5	24.53	107.697		
3,600.0	3,569.1	3,505.5	3,503.6	14.0	12.0	131.01	2,334.3	-611.8	2,653.8	2,628.5	25.31	104.862		
3,700.0	3,667.8	3,602.8	3,600.8	14.4	12.3	131.29	2,335.4	-611.0	2,665.6	2,639.5	26.05	102.314		
3,800.0	3,766.5	3,692.3	3,690.3	14.8	12.6	131.54	2,336.6	-610.5	2,677.6	2,650.8	26.77	100.028		
3,900.0	3,865.1	3,788.0	3,786.0	15.3	13.0	131.80	2,338.1	-610.2	2,690.0	2,662.5	27.51	97.791		
4,000.0	3,963.8	3,886.0	3,884.0	15.7	13.3	132.05	2,339.6	-610.3	2,702.4	2,674.1	28.26	95.639		
4,100.0	4,062.5	3,984.1	3,982.1	16.1	13.7	132.30	2,341.1	-610.3	2,714.8	2,685.8	29.00	93.602		
4,200.0	4,161.2	4,026.4	4,024.4	16.6	13.8	132.41	2,342.2	-610.3	2,728.3	2,698.8	29.52	92.421		
4,300.0	4,259.9	4,087.0	4,084.9	17.0	14.0	132.57	2,345.4	-610.4	2,744.3	2,714.2	30.10	91.158		
4,400.0	4,358.6	4,087.0	4,084.9	17.5	14.0	132.57	2,345.4	-610.4	2,762.0	2,731.6	30.40	90.868		
4,500.0	4,457.3	4,152.6	4,150.3	17.9	14.3	132.74	2,350.9	-610.8	2,781.7	2,750.7	30.98	89.784		
4,600.0	4,555.9	4,219.9	4,217.2	18.3	14.5	132.91	2,358.0	-611.5	2,803.1	2,771.5	31.57	88.788		
4,700.0	4,654.6	4,319.9	4,316.6	18.8	14.9	133.15	2,368.6	-612.8	2,824.8	2,792.5	32.32	87.388		
4,800.0	4,753.3	4,374.0	4,370.4	19.2	15.1	133.28	2,374.3	-613.5	2,846.8	2,814.0	32.84	86.690		
4,900.0	4,852.0	4,433.3	4,429.3	19.7	15.3	133.41	2,381.3	-614.6	2,870.2	2,836.9	33.37	86.002		
5,000.0	4,950.7	4,469.0	4,464.6	20.1	15.4	133.48	2,386.4	-615.6	2,895.7	2,861.9	33.77	85.754		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 196-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	5,049.4	4,521.7	4,516.6	20.6	15.6	133.59	2,394.7	-617.5	2,922.9	2,888.6	34.25	85.346		
5,200.0	5,148.1	4,571.9	4,566.0	21.0	15.8	133.68	2,403.5	-619.4	2,951.7	2,917.0	34.70	85.055		
5,300.0	5,246.7	4,675.6	4,667.9	21.4	16.2	133.87	2,422.2	-623.6	2,981.0	2,945.5	35.48	84.012		
5,400.0	5,345.4	4,782.7	4,773.2	21.9	16.6	134.06	2,441.3	-627.9	3,010.2	2,973.9	36.28	82.960		
5,500.0	5,444.1	4,901.5	4,890.1	22.3	17.1	134.28	2,461.5	-632.4	3,038.6	3,001.4	37.16	81.777		
5,600.0	5,542.8	5,023.1	5,010.0	22.8	17.6	134.49	2,481.6	-636.9	3,066.5	3,028.4	38.05	80.600		
5,700.0	5,641.5	5,092.5	5,078.5	23.2	17.9	134.61	2,492.8	-639.3	3,094.1	3,055.5	38.62	80.112		
5,800.0	5,740.2	5,158.6	5,143.5	23.7	18.1	134.73	2,504.3	-641.3	3,122.9	3,083.8	39.18	79.717		
5,900.0	5,838.9	5,263.6	5,246.8	24.1	18.5	134.93	2,522.8	-644.2	3,152.0	3,112.0	39.97	78.864		
6,000.0	5,937.5	5,385.1	5,366.5	24.5	19.0	135.15	2,543.6	-647.4	3,180.6	3,139.7	40.86	77.841		
6,100.0	6,036.2	5,453.9	5,434.3	25.0	19.3	135.28	2,555.1	-649.2	3,208.8	3,167.4	41.43	77.450		
6,200.0	6,134.9	5,493.5	5,473.3	25.4	19.5	135.35	2,562.4	-650.1	3,238.6	3,196.8	41.81	77.455		
6,300.0	6,233.6	5,554.1	5,532.6	25.9	19.7	135.47	2,574.5	-651.3	3,269.9	3,227.6	42.32	77.266		
6,400.0	6,332.3	5,684.1	5,660.0	26.3	20.3	135.72	2,600.3	-653.5	3,301.2	3,257.9	43.28	76.279		
6,500.0	6,431.0	5,827.7	5,801.1	26.8	20.8	135.98	2,626.7	-656.4	3,331.1	3,286.8	44.32	75.165		
6,600.0	6,529.6	5,977.0	5,948.2	27.2	21.5	136.23	2,652.0	-659.9	3,359.7	3,314.3	45.38	74.027		
6,700.0	6,628.3	6,041.6	6,011.9	27.6	21.7	136.33	2,662.5	-661.9	3,387.7	3,341.7	45.93	73.754		
6,800.0	6,727.0	6,096.0	6,065.4	28.1	22.0	136.40	2,672.1	-664.2	3,417.0	3,370.6	46.41	73.623		
6,900.0	6,825.7	6,169.0	6,137.1	28.5	22.3	136.49	2,685.7	-667.6	3,447.2	3,400.2	47.01	73.334		
7,000.0	6,924.4	6,435.0	6,399.3	29.0	23.4	136.81	2,728.4	-679.8	3,474.5	3,425.7	48.80	71.204		
7,100.0	7,023.1	6,511.5	6,475.0	29.4	23.7	136.91	2,739.2	-683.1	3,500.4	3,451.0	49.43	70.823		
7,200.0	7,121.8	6,574.0	6,536.7	29.9	23.9	136.99	2,748.5	-685.4	3,527.2	3,477.2	49.97	70.590		
7,300.0	7,220.4	6,614.2	6,576.3	30.3	24.1	137.04	2,755.0	-686.7	3,555.2	3,504.8	50.37	70.587		
7,400.0	7,319.1	6,670.0	6,631.2	30.7	24.3	137.12	2,765.2	-688.2	3,584.8	3,533.9	50.85	70.493		
7,466.5	7,384.7	6,690.4	6,651.2	31.0	24.4	137.15	2,769.1	-688.7	3,605.1	3,554.1	51.06	70.599		
7,500.0	7,417.8	6,721.9	6,682.1	31.2	24.6	137.31	2,775.2	-689.4	3,615.4	3,564.1	51.31	70.463		
7,600.0	7,516.9	6,861.0	6,818.8	31.6	25.2	137.78	2,800.9	-692.9	3,644.0	3,591.7	52.32	69.645		
7,700.0	7,616.2	6,915.2	6,872.1	32.0	25.4	138.11	2,810.7	-694.5	3,670.7	3,617.9	52.77	69.556		
7,800.0	7,715.8	6,957.0	6,913.0	32.4	25.6	138.40	2,819.1	-695.6	3,697.1	3,644.0	53.12	69.597		
7,900.0	7,815.6	7,118.3	7,071.0	32.8	26.3	138.67	2,851.1	-701.3	3,721.6	3,667.3	54.26	68.584		
8,000.0	7,915.5	7,243.0	7,193.5	33.1	26.8	138.86	2,873.6	-706.1	3,742.2	3,687.0	55.14	67.863		
8,086.5	8,002.0	7,302.7	7,252.2	33.3	27.1	-0.18	2,884.4	-707.8	3,758.6	3,703.0	55.57	67.637		
8,100.0	8,015.5	7,308.7	7,258.1	33.4	27.1	-89.72	2,885.5	-707.9	3,761.2	3,705.6	55.61	67.632		
8,150.0	8,065.4	7,339.0	7,287.8	33.5	27.2	-88.77	2,891.4	-708.3	3,770.9	3,715.1	55.81	67.569		
8,200.0	8,114.8	7,387.4	7,335.2	33.6	27.4	-87.91	2,901.0	-708.7	3,780.7	3,724.6	56.11	67.380		
8,250.0	8,163.3	7,483.6	7,429.7	33.7	27.9	-87.34	2,919.4	-709.6	3,790.1	3,733.4	56.71	66.830		
8,300.0	8,210.6	7,633.3	7,577.2	33.8	28.5	-87.27	2,944.9	-710.7	3,798.3	3,740.7	57.62	65.921		
8,350.0	8,256.3	7,626.0	7,570.0	33.8	28.5	-86.44	2,943.7	-710.7	3,806.1	3,748.6	57.55	66.141		
8,400.0	8,300.1	7,656.7	7,600.2	33.9	28.6	-85.86	2,948.8	-710.9	3,813.9	3,756.2	57.70	66.102		
8,450.0	8,341.6	7,670.4	7,613.8	33.9	28.7	-85.17	2,951.3	-711.0	3,822.0	3,764.3	57.74	66.192		
8,500.0	8,380.6	7,683.3	7,626.4	33.9	28.7	-84.46	2,953.6	-711.2	3,830.2	3,772.4	57.78	66.290		
8,550.0	8,416.6	7,721.0	7,663.4	33.9	28.9	-84.04	2,961.0	-711.8	3,838.8	3,780.8	57.99	66.201		
8,600.0	8,449.5	7,721.0	7,663.4	33.9	28.9	-83.21	2,961.0	-711.8	3,847.0	3,789.0	57.96	66.369		
8,650.0	8,479.0	7,721.0	7,663.4	33.9	28.9	-82.37	2,961.0	-711.8	3,855.3	3,797.4	57.96	66.520		
8,700.0	8,504.8	7,734.9	7,676.9	33.9	29.0	-81.72	2,963.8	-712.1	3,863.7	3,805.6	58.07	66.536		
8,750.0	8,526.9	7,775.9	7,717.2	33.8	29.1	-81.45	2,972.1	-713.0	3,871.9	3,813.5	58.40	66.305		
8,800.0	8,544.9	8,800.0	7,803.4	33.8	33.6	-81.90	2,988.5	-715.1	3,879.6	3,817.1	62.56	62.012		
8,850.0	8,558.8	8,850.0	7,815.7	33.8	33.8	-81.31	2,990.8	-715.4	3,887.3	3,824.4	62.91	61.793		
8,900.0	8,568.4	7,912.0	7,850.8	33.7	29.7	-81.07	2,997.2	-716.2	3,895.1	3,835.4	59.66	65.292		
8,950.0	8,573.8	7,912.0	7,850.8	33.7	29.7	-80.32	2,997.2	-716.2	3,902.6	3,842.8	59.86	65.201		
8,986.5	8,575.0	7,912.0	7,850.8	33.7	29.7	-79.77	2,997.2	-716.2	3,908.1	3,848.1	60.02	65.111		
8,993.2	8,575.0	7,912.0	7,850.8	33.8	29.7	-79.77	2,997.2	-716.2	3,909.1	3,849.0	60.05	65.093		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 196-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		
9,000.0	8,575.0	7,912.0	7,850.8	33.8	29.7	-79.77	2,997.2	-716.2	3,910.1	3,850.0	60.09	65.074		
9,100.0	8,575.0	7,912.0	7,850.8	33.9	29.7	-79.77	2,997.2	-716.2	3,926.8	3,866.1	60.66	64.738		
9,200.0	8,575.0	7,912.0	7,850.8	34.4	29.7	-79.77	2,997.2	-716.2	3,945.9	3,884.5	61.36	64.310		
9,300.0	8,575.0	9,300.0	7,821.2	35.3	35.8	-79.32	2,991.8	-715.5	3,967.3	3,900.0	67.29	58.955		
9,400.0	8,575.0	9,400.0	7,818.9	36.3	36.2	-79.29	2,991.4	-715.4	3,991.2	3,922.6	68.58	58.194		
9,500.0	8,575.0	9,500.0	7,816.6	37.6	36.6	-79.25	2,990.9	-715.4	4,017.5	3,947.5	69.96	57.422		
9,600.0	8,575.0	9,600.0	7,814.3	38.9	37.1	-79.22	2,990.5	-715.3	4,046.0	3,974.6	71.42	56.653		
9,700.0	8,575.0	9,700.0	7,812.0	40.4	37.5	-79.19	2,990.1	-715.3	4,076.8	4,003.9	72.93	55.899		
9,800.0	8,575.0	9,800.0	7,809.7	41.9	37.9	-79.15	2,989.7	-715.2	4,109.8	4,035.3	74.49	55.170		
9,900.0	8,575.0	10,990.8	9,755.3	43.6	48.4	-107.16	3,142.0	727.5	4,129.5	4,041.7	87.85	47.008		
10,000.0	8,575.0	11,090.5	9,759.5	45.3	50.1	-107.22	3,142.4	827.1	4,131.0	4,039.9	91.10	45.347		
10,100.0	8,575.0	11,140.0	9,761.6	47.0	51.0	-107.24	3,142.7	876.6	4,132.9	4,039.3	93.63	44.141		
10,200.0	8,575.0	11,201.0	9,764.5	48.9	52.1	-107.27	3,144.3	937.5	4,136.4	4,040.0	96.41	42.905		
10,300.0	8,575.0	11,304.3	9,770.1	50.8	54.0	-107.34	3,147.1	1,040.6	4,140.6	4,040.6	100.00	41.407		
10,400.0	8,575.0	11,424.3	9,775.8	52.7	56.2	-107.40	3,149.4	1,160.4	4,143.6	4,039.6	103.99	39.847		
10,500.0	8,575.0	11,614.5	9,781.2	54.7	59.9	-107.46	3,152.7	1,350.5	4,146.5	4,037.1	109.39	37.906		
10,600.0	8,575.0	11,738.7	9,779.8	56.7	62.4	-107.44	3,153.8	1,474.6	4,146.8	4,033.1	113.70	36.472		
10,700.0	8,575.0	12,020.6	9,778.1	58.7	68.2	-107.43	3,150.7	1,756.5	4,146.6	4,025.5	121.09	34.244		
10,800.0	8,575.0	12,062.0	9,777.9	60.8	69.1	-107.44	3,149.4	1,797.8	4,143.2	4,019.2	123.97	33.420		
10,900.0	8,575.0	12,117.1	9,779.3	62.9	70.2	-107.46	3,147.7	1,852.8	4,141.0	4,013.9	127.13	32.573		
11,000.0	8,575.0	12,182.6	9,783.4	65.0	71.6	-107.52	3,145.8	1,918.2	4,139.9	4,009.4	130.49	31.725		
11,100.0	8,575.0	12,254.0	9,788.8	67.1	73.2	-107.60	3,143.6	1,989.4	4,139.2	4,005.3	133.98	30.895		
11,103.6	8,575.0	12,254.0	9,788.8	67.2	73.2	-107.60	3,143.6	1,989.4	4,139.2	4,005.2	134.05	30.877		
11,200.0	8,575.0	12,298.1	9,792.4	69.3	74.1	-107.65	3,142.7	2,033.3	4,139.7	4,002.8	136.94	30.229		
11,300.0	8,575.0	12,349.0	9,796.6	71.5	75.2	-107.71	3,142.7	2,084.0	4,141.8	4,001.8	140.04	29.576		
11,400.0	8,575.0	12,378.5	9,799.2	73.7	75.8	-107.74	3,143.1	2,113.4	4,145.3	4,002.6	142.70	29.049		
11,500.0	8,575.0	12,445.0	9,805.2	75.9	77.3	-107.82	3,144.6	2,179.6	4,150.1	4,004.0	146.12	28.402		
11,600.0	8,575.0	12,493.4	9,809.9	78.2	78.4	-107.87	3,146.2	2,227.8	4,155.8	4,006.7	149.15	27.862		
11,700.0	8,575.0	12,578.2	9,818.0	80.4	80.2	-107.96	3,149.5	2,312.1	4,162.4	4,009.4	152.98	27.209		
11,800.0	8,575.0	11,800.0	9,828.0	82.7	62.9	-108.06	3,158.4	2,507.9	4,168.6	4,030.0	138.51	30.096		
11,900.0	8,575.0	13,065.4	9,820.6	84.9	91.1	-107.93	3,166.7	2,798.4	4,170.0	4,002.1	167.89	24.838		
11,982.1	8,575.0	13,134.7	9,818.6	86.8	92.6	-107.90	3,167.2	2,867.8	4,169.8	3,998.6	171.21	24.355		
12,000.0	8,575.0	13,144.5	9,818.5	87.2	92.9	-107.90	3,167.2	2,877.5	4,169.8	3,998.0	171.81	24.269		
12,100.0	8,575.0	13,211.0	9,819.0	89.5	94.4	-107.90	3,167.7	2,944.1	4,170.6	3,995.1	175.45	23.771		
12,200.0	8,575.0	13,310.7	9,822.3	91.8	96.6	-107.94	3,168.1	3,043.7	4,171.9	3,992.1	179.78	23.205		
12,300.0	8,575.0	13,433.9	9,825.1	94.1	99.5	-107.98	3,168.1	3,166.8	4,172.4	3,987.7	184.65	22.597		
12,400.0	8,575.0	13,521.1	9,826.0	96.4	101.5	-107.99	3,168.5	3,254.0	4,173.0	3,984.2	188.76	22.107		
12,500.0	8,575.0	13,628.1	9,827.7	98.7	103.9	-108.01	3,169.0	3,361.1	4,173.8	3,980.5	193.32	21.590		
12,600.0	8,575.0	13,717.3	9,828.8	101.0	106.0	-108.03	3,169.2	3,450.2	4,174.4	3,976.9	197.50	21.136		
12,700.0	8,575.0	13,785.5	9,829.3	103.4	107.6	-108.03	3,170.0	3,518.4	4,175.6	3,974.4	201.23	20.751		
12,800.0	8,575.0	13,845.0	9,830.4	105.7	108.9	-108.04	3,170.9	3,577.9	4,177.6	3,972.9	204.75	20.404		
12,900.0	8,575.0	13,893.3	9,832.2	108.0	110.1	-108.06	3,172.0	3,626.2	4,180.8	3,972.8	207.98	20.102		
13,000.0	8,575.0	13,950.1	9,835.2	110.4	111.4	-108.09	3,173.8	3,682.9	4,185.3	3,973.9	211.39	19.799		
13,100.0	8,575.0	14,233.7	9,845.5	112.7	118.0	-108.20	3,179.6	3,966.2	4,188.7	3,968.8	219.97	19.042		
13,200.0	8,575.0	13,200.0	9,846.6	115.1	93.8	-108.23	3,177.8	4,187.7	4,188.4	3,989.6	198.78	21.070		
13,300.0	8,575.0	14,542.9	9,845.2	117.5	125.2	-108.22	3,175.8	4,275.2	4,185.6	3,954.3	231.30	18.096		
13,400.0	8,575.0	14,595.0	9,845.6	119.8	126.5	-108.23	3,175.3	4,327.3	4,184.5	3,949.7	234.78	17.823		
13,500.0	8,575.0	13,500.0	9,846.5	122.2	100.7	-108.24	3,174.7	4,401.9	4,184.0	3,971.7	212.32	19.707		
13,600.0	8,575.0	14,766.5	9,846.7	124.6	130.5	-108.25	3,174.1	4,498.9	4,183.3	3,940.1	243.17	17.203		
13,633.6	8,575.0	14,787.0	9,846.7	125.4	131.0	-108.25	3,174.0	4,519.3	4,183.2	3,938.8	244.40	17.117		
13,700.0	8,575.0	14,821.1	9,847.0	126.9	131.8	-108.25	3,174.1	4,553.5	4,183.5	3,936.8	246.67	16.960		
13,800.0	8,575.0	14,882.0	9,848.8	129.3	133.2	-108.27	3,174.5	4,614.3	4,184.9	3,934.6	250.28	16.721		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 196-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	8,575.0	14,979.3	9,852.5	131.7	135.5	-108.32	3,175.5	4,711.5	4,186.9	3,932.2	254.69	16.439		
14,000.0	8,575.0	15,361.0	9,849.1	134.1	144.6	-108.31	3,168.3	5,092.8	4,183.0	3,917.8	265.25	15.770		
14,100.0	8,575.0	15,396.5	9,847.9	136.4	145.4	-108.29	3,167.2	5,128.2	4,178.9	3,910.4	268.53	15.562		
14,200.0	8,575.0	15,456.0	9,847.2	138.8	146.8	-108.29	3,166.0	5,187.7	4,176.2	3,904.0	272.26	15.339		
14,300.0	8,575.0	15,487.5	9,847.3	141.2	147.6	-108.29	3,165.5	5,219.2	4,174.7	3,899.4	275.34	15.162		
14,360.8	8,575.0	15,514.8	9,847.7	142.7	148.2	-108.30	3,165.3	5,246.6	4,174.5	3,897.1	277.36	15.050		
14,400.0	8,575.0	15,552.0	9,848.5	143.6	149.1	-108.31	3,165.3	5,283.7	4,174.7	3,895.6	279.09	14.958		
14,500.0	8,575.0	15,591.5	9,849.6	146.0	150.1	-108.32	3,165.5	5,323.2	4,175.6	3,893.4	282.24	14.794		
14,600.0	8,575.0	15,671.8	9,852.0	148.4	152.0	-108.35	3,166.4	5,403.5	4,177.5	3,891.2	286.30	14.591		
14,700.0	8,575.0	15,784.1	9,853.7	150.8	154.7	-108.37	3,168.0	5,515.7	4,179.2	3,888.1	291.14	14.355		
14,800.0	8,575.0	16,017.0	9,857.3	153.2	160.2	-108.42	3,166.9	5,748.6	4,178.9	3,880.3	298.62	13.994		
14,900.0	8,575.0	16,110.9	9,858.5	155.6	162.5	-108.44	3,165.2	5,842.5	4,177.4	3,874.4	303.03	13.786		
15,000.0	8,575.0	16,220.2	9,860.3	158.0	165.1	-108.48	3,163.0	5,951.8	4,176.0	3,868.2	307.76	13.569		
15,100.0	8,575.0	16,325.3	9,862.3	160.4	167.6	-108.51	3,160.6	6,056.8	4,174.4	3,862.0	312.39	13.363		
15,200.0	8,575.0	16,425.9	9,864.7	162.8	170.0	-108.56	3,158.1	6,157.3	4,172.6	3,855.7	316.92	13.166		
15,300.0	8,575.0	16,501.3	9,866.2	165.2	171.8	-108.58	3,156.6	6,232.7	4,171.2	3,850.2	320.93	12.997		
15,400.0	8,575.0	16,577.5	9,867.1	167.6	173.7	-108.60	3,155.6	6,308.8	4,170.3	3,845.4	324.96	12.833		
15,500.0	8,575.0	16,715.5	9,868.6	170.0	177.0	-108.63	3,154.1	6,446.9	4,169.6	3,839.2	330.34	12.622		
15,600.0	8,575.0	16,816.2	9,868.6	172.5	179.4	-108.63	3,152.4	6,547.5	4,167.9	3,832.9	334.93	12.444		
15,700.0	8,575.0	16,867.3	9,868.5	174.9	180.6	-108.64	3,152.0	6,598.6	4,167.0	3,828.5	338.45	12.312		
15,800.0	8,575.0	16,986.2	9,867.5	177.3	183.5	-108.62	3,152.2	6,717.6	4,166.8	3,823.3	343.49	12.131		
15,885.3	8,575.0	17,039.7	9,866.8	179.3	184.8	-108.61	3,152.3	6,771.1	4,166.5	3,819.8	346.72	12.017		
15,900.0	8,575.0	17,049.0	9,866.7	179.7	185.0	-108.61	3,152.3	6,780.3	4,166.5	3,819.2	347.27	11.998		
16,000.0	8,575.0	17,116.6	9,867.1	182.1	186.6	-108.62	3,152.7	6,847.9	4,167.0	3,815.9	351.11	11.868		
16,100.0	8,575.0	17,190.3	9,868.4	184.5	188.4	-108.63	3,153.3	6,921.6	4,168.3	3,813.2	355.06	11.740		
16,200.0	8,575.0	17,269.2	9,870.6	187.0	190.3	-108.66	3,154.1	7,000.4	4,170.1	3,811.0	359.10	11.613		
16,300.0	8,575.0	17,356.0	9,873.7	189.4	192.4	-108.69	3,155.2	7,087.2	4,172.3	3,809.0	363.31	11.484		
16,400.0	8,575.0	17,446.4	9,877.7	191.8	194.6	-108.74	3,156.3	7,177.5	4,174.8	3,807.2	367.58	11.357		
16,500.0	8,575.0	17,784.5	9,882.8	194.2	202.8	-108.82	3,153.7	7,515.5	4,174.2	3,796.8	377.39	11.061		
16,600.0	8,575.0	17,848.0	9,882.7	196.6	204.3	-108.83	3,152.0	7,578.9	4,171.5	3,790.2	381.24	10.942		
16,700.0	8,575.0	17,902.3	9,882.7	199.1	205.6	-108.83	3,151.1	7,633.3	4,169.8	3,784.9	384.86	10.834		
16,800.0	8,575.0	17,944.0	9,882.6	201.5	206.6	-108.83	3,150.9	7,674.9	4,169.2	3,781.1	388.17	10.741		
16,804.5	8,575.0	17,959.3	9,882.6	201.6	207.0	-108.83	3,150.9	7,690.2	4,169.2	3,780.6	388.62	10.728		
16,900.0	8,575.0	18,017.6	9,882.6	203.9	208.4	-108.83	3,151.2	7,748.6	4,169.6	3,777.5	392.16	10.632		
17,000.0	8,575.0	18,070.7	9,883.0	206.3	209.7	-108.83	3,151.9	7,801.7	4,171.0	3,775.4	395.64	10.543		
17,100.0	8,575.0	18,135.0	9,884.8	208.8	211.2	-108.85	3,153.3	7,865.9	4,173.7	3,774.4	399.31	10.452		
17,200.0	8,575.0	18,195.0	9,887.2	211.2	212.7	-108.87	3,154.9	7,925.8	4,177.3	3,774.5	402.83	10.370		
17,300.0	8,575.0	18,453.2	9,894.5	213.6	218.9	-108.95	3,158.9	8,183.9	4,180.2	3,769.0	411.16	10.167		
17,400.0	8,575.0	18,680.9	9,894.3	216.0	224.4	-108.97	3,155.2	8,411.5	4,178.2	3,759.7	418.47	9.984		
17,500.0	8,575.0	18,739.0	9,894.4	218.5	225.9	-108.97	3,153.7	8,469.6	4,175.7	3,753.5	422.22	9.890		
17,600.0	8,575.0	18,805.0	9,895.6	220.9	227.5	-109.00	3,152.3	8,535.5	4,174.2	3,748.1	426.06	9.797		
17,689.5	8,575.0	18,844.7	9,896.9	223.1	228.4	-109.01	3,151.8	8,575.2	4,173.7	3,744.7	429.04	9.728		
17,700.0	8,575.0	18,850.2	9,897.0	223.3	228.5	-109.02	3,151.7	8,580.7	4,173.7	3,744.3	429.41	9.720		
17,800.0	8,575.0	18,907.0	9,899.4	225.8	229.9	-109.05	3,151.4	8,637.4	4,174.4	3,741.5	432.93	9.642		
17,900.0	8,575.0	19,051.6	9,902.4	228.2	233.4	-109.09	3,151.2	8,782.0	4,174.8	3,736.3	438.50	9.521		
18,000.0	8,575.0	19,136.7	9,902.9	230.6	235.5	-109.10	3,151.3	8,867.1	4,175.0	3,732.2	442.76	9.429		
18,100.0	8,575.0	19,212.1	9,903.3	233.0	237.3	-109.10	3,151.9	8,942.5	4,175.7	3,729.0	446.79	9.346		
18,200.0	8,575.0	19,292.6	9,904.0	235.5	239.3	-109.11	3,152.8	9,023.0	4,177.0	3,726.1	450.92	9.263		
18,300.0	8,575.0	19,368.0	9,905.2	237.9	241.1	-109.12	3,153.9	9,098.3	4,178.8	3,723.9	454.90	9.186		
18,400.0	8,575.0	19,442.7	9,906.7	240.3	242.9	-109.13	3,155.4	9,173.0	4,181.2	3,722.3	458.85	9.112		
18,500.0	8,575.0	19,511.4	9,908.3	242.8	244.6	-109.14	3,157.1	9,241.7	4,184.2	3,721.6	462.61	9.045		
18,600.0	8,575.0	19,582.5	9,910.3	245.2	246.3	-109.16	3,159.4	9,312.8	4,188.1	3,721.7	466.41	8.979		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 196-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		
18,700.0	8,575.0	19,776.0	9,912.0	247.6	251.0	-109.15	3,165.4	9,506.1	4,191.3	3,717.8	473.47	8.852		
18,800.0	8,575.0	19,860.7	9,911.1	250.1	253.1	-109.13	3,167.8	9,590.7	4,193.5	3,715.7	477.76	8.777		
18,900.0	8,575.0	19,943.0	9,910.8	252.5	255.1	-109.12	3,170.2	9,673.1	4,196.0	3,714.0	481.97	8.706		
19,000.0	8,575.0	20,043.5	9,911.2	255.0	257.5	-109.11	3,173.0	9,773.5	4,198.7	3,712.1	486.62	8.628		
19,100.0	8,575.0	20,151.1	9,912.1	257.4	260.1	-109.11	3,175.8	9,881.0	4,201.3	3,709.8	491.43	8.549		
19,200.0	8,575.0	20,377.5	9,914.1	259.8	265.6	-109.13	3,178.3	10,107.4	4,202.8	3,703.7	499.04	8.422		
19,300.0	8,575.0	20,556.4	9,913.7	262.3	270.0	-109.13	3,175.9	10,286.3	4,201.4	3,696.1	505.31	8.314		
19,400.0	8,575.0	20,624.0	9,913.8	264.7	271.6	-109.14	3,174.8	10,353.9	4,199.6	3,690.4	509.26	8.246		
19,500.0	8,575.0	20,749.6	9,913.4	267.1	274.7	-109.15	3,172.6	10,479.4	4,197.8	3,683.4	514.40	8.161		
19,600.0	8,575.0	20,815.0	9,912.8	269.6	276.3	-109.14	3,171.6	10,544.8	4,195.9	3,677.6	518.33	8.095		
19,687.8	8,575.0	20,815.0	9,912.8	271.7	276.3	-109.14	3,171.6	10,544.8	4,195.6	3,675.2	520.42	8.062		
19,700.0	8,575.0	20,846.5	9,913.0	272.0	277.0	-109.15	3,171.3	10,576.4	4,195.3	3,673.9	521.43	8.046		
19,800.0	8,575.0	20,875.2	9,913.9	274.5	277.7	-109.16	3,171.4	10,605.0	4,196.4	3,672.1	524.31	8.004		
19,900.0	8,575.0	19,900.0	9,918.1	276.9	254.0	-109.21	3,172.2	10,683.9	4,198.9	3,695.1	503.90	8.333		
20,000.0	8,575.0	21,100.1	9,924.3	279.3	283.2	-109.29	3,172.6	10,829.7	4,200.4	3,666.6	533.80	7.869		
20,100.0	8,575.0	21,188.7	9,928.3	281.8	285.4	-109.34	3,172.7	10,918.2	4,201.8	3,663.8	538.00	7.810		
20,200.0	8,575.0	21,256.7	9,932.0	284.2	287.0	-109.39	3,172.9	10,986.0	4,203.8	3,662.1	541.67	7.761		
20,300.0	8,575.0	20,300.0	9,945.4	286.6	263.7	-109.58	3,168.3	11,284.7	4,203.6	3,682.4	521.21	8.065		
20,400.0	8,575.0	21,731.9	9,939.0	289.1	298.6	-109.52	3,163.9	11,460.6	4,199.6	3,643.1	556.48	7.547		
20,500.0	8,575.0	21,795.5	9,936.3	291.5	300.1	-109.49	3,162.3	11,524.1	4,195.7	3,635.2	560.53	7.485		
20,600.0	8,575.0	21,838.3	9,935.3	294.0	301.2	-109.48	3,161.5	11,566.9	4,193.1	3,629.0	564.07	7.434		
20,700.0	8,575.0	21,899.5	9,935.3	296.4	302.7	-109.49	3,160.7	11,628.1	4,191.8	3,623.9	567.88	7.381		
20,800.0	8,575.0	22,010.5	9,936.5	298.9	305.4	-109.51	3,159.2	11,739.0	4,190.7	3,618.0	572.67	7.318		
20,900.0	8,575.0	22,143.4	9,935.6	301.3	308.6	-109.51	3,157.2	11,871.9	4,188.9	3,610.9	577.98	7.248		
21,000.0	8,575.0	22,176.0	9,935.3	303.7	309.4	-109.51	3,156.6	11,904.5	4,187.4	3,606.2	581.18	7.205		
21,018.8	8,575.0	22,176.0	9,935.3	304.2	309.4	-109.51	3,156.6	11,904.5	4,187.4	3,605.7	581.63	7.199		
21,100.0	8,575.0	22,176.0	9,935.3	306.2	309.4	-109.51	3,156.6	11,904.5	4,188.2	3,604.7	583.42	7.179		
21,200.0	8,575.0	22,176.0	9,935.3	308.6	309.4	-109.51	3,156.6	11,904.5	4,191.3	3,606.0	585.32	7.161		
21,213.6	8,575.0	22,176.0	9,935.3	309.0	309.4	-109.51	3,156.6	11,904.5	4,191.9	3,606.3	585.56	7.159 SF		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 164-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	-14.33	2,279.5	-582.4	2,353.0					
100.0	100.0	58.5	58.5	0.1	0.1	-14.33	2,279.5	-582.3	2,352.7	2,352.5	0.22	N/A		
200.0	200.0	152.9	152.9	0.5	0.2	-14.32	2,279.8	-582.1	2,353.0	2,352.3	0.71	3,298.314		
300.0	300.0	253.4	253.4	0.8	0.6	-14.30	2,280.6	-581.4	2,353.6	2,352.2	1.41	1,670.886		
400.0	400.0	413.7	413.5	1.2	1.1	-14.17	2,280.5	-575.7	2,352.7	2,350.3	2.35	1,002.556		
476.6	476.6	438.8	438.6	1.5	1.2	-14.14	2,280.7	-574.4	2,351.9	2,349.2	2.71	868.874	CC	
500.0	500.0	448.0	447.8	1.6	1.3	-14.12	2,280.9	-573.8	2,352.0	2,349.2	2.82	832.776	ES	
600.0	600.0	498.0	497.7	1.9	1.4	-14.04	2,282.7	-571.0	2,353.9	2,350.6	3.37	698.814		
700.0	700.0	560.4	559.9	2.3	1.7	-13.93	2,286.4	-567.0	2,357.8	2,353.9	3.96	595.046		
800.0	800.0	642.5	641.6	2.6	2.0	-13.76	2,291.8	-561.1	2,362.5	2,357.9	4.63	510.422		
900.0	900.0	792.2	790.5	3.0	2.6	-13.43	2,301.5	-549.8	2,367.3	2,361.8	5.55	426.649		
1,000.0	1,000.0	1,000.0	1,014.4	3.4	3.3	-13.27	2,302.8	-542.9	2,366.5	2,359.9	6.64	356.414		
1,100.0	1,100.0	1,227.6	1,225.3	3.7	4.0	125.95	2,291.0	-545.5	2,362.0	2,354.3	7.72	306.151		
1,200.0	1,199.7	1,310.2	1,307.7	4.0	4.3	126.01	2,284.9	-548.5	2,359.4	2,351.1	8.32	283.663		
1,235.0	1,234.6	1,341.3	1,338.7	4.2	4.4	126.03	2,282.6	-549.7	2,359.2	2,350.7	8.54	276.234		
1,300.0	1,299.1	1,399.0	1,396.2	4.4	4.6	126.07	2,278.6	-552.0	2,359.8	2,350.9	8.95	263.548		
1,372.0	1,370.4	1,462.4	1,459.3	4.6	4.8	126.13	2,274.5	-554.3	2,362.1	2,352.6	9.42	250.685		
1,400.0	1,398.0	1,487.0	1,483.9	4.7	4.9	126.18	2,272.9	-555.1	2,363.3	2,353.7	9.61	246.017		
1,500.0	1,496.7	1,583.3	1,580.0	5.1	5.2	126.39	2,267.2	-558.0	2,367.7	2,357.4	10.30	229.900		
1,600.0	1,595.4	1,600.0	1,765.8	5.5	5.3	126.79	2,253.8	-563.0	2,371.4	2,360.7	10.71	221.449		
1,700.0	1,694.1	1,914.0	1,909.1	5.9	6.4	127.03	2,237.2	-568.0	2,370.3	2,358.2	12.17	194.750		
1,747.8	1,741.2	1,938.2	1,933.1	6.1	6.5	127.06	2,234.3	-569.3	2,370.0	2,357.6	12.45	190.413		
1,800.0	1,792.7	1,959.5	1,954.2	6.3	6.6	127.09	2,232.1	-570.6	2,370.4	2,357.7	12.73	186.194		
1,900.0	1,891.4	2,009.0	2,003.4	6.7	6.8	127.14	2,227.8	-574.2	2,373.0	2,359.7	13.30	178.383		
2,000.0	1,990.1	2,044.5	2,038.7	7.1	6.9	127.17	2,225.6	-576.9	2,378.0	2,364.2	13.82	172.023		
2,100.0	2,088.8	2,105.0	2,099.0	7.5	7.1	127.25	2,223.4	-581.0	2,385.5	2,371.1	14.43	165.332		
2,200.0	2,187.5	2,138.7	2,132.7	7.9	7.2	127.31	2,223.1	-582.8	2,394.9	2,380.0	14.93	160.429		
2,300.0	2,286.2	2,201.0	2,194.9	8.3	7.4	127.47	2,223.9	-584.6	2,406.6	2,391.0	15.53	154.990		
2,400.0	2,384.9	2,241.2	2,235.1	8.8	7.6	127.59	2,225.4	-585.1	2,420.1	2,404.1	16.03	150.940		
2,500.0	2,483.5	2,296.0	2,289.8	9.2	7.7	127.77	2,228.6	-585.2	2,435.6	2,419.1	16.59	146.823		
2,600.0	2,582.2	2,640.6	2,633.8	9.6	8.9	128.60	2,234.1	-594.7	2,449.6	2,431.3	18.27	134.092		
2,700.0	2,680.9	2,718.0	2,711.0	10.1	9.2	128.73	2,230.7	-598.5	2,456.3	2,437.4	18.94	129.664		
2,800.0	2,779.6	2,779.5	2,772.5	10.5	9.4	128.86	2,229.1	-600.4	2,464.5	2,445.0	19.56	126.009		
2,900.0	2,878.3	2,862.6	2,855.5	10.9	9.7	129.08	2,228.1	-601.5	2,473.8	2,453.6	20.25	122.176		
3,000.0	2,977.0	2,957.8	2,950.8	11.3	10.1	129.35	2,227.6	-601.4	2,483.6	2,462.6	20.98	118.377		
3,100.0	3,075.7	3,064.4	3,057.3	11.8	10.4	129.68	2,227.1	-600.5	2,493.4	2,471.6	21.75	114.620		
3,200.0	3,174.3	3,173.7	3,166.7	12.2	10.8	130.01	2,226.2	-599.4	2,502.8	2,480.3	22.54	111.051		
3,300.0	3,273.0	3,268.0	3,261.0	12.6	11.1	130.30	2,225.3	-598.6	2,512.2	2,489.0	23.27	107.974		
3,400.0	3,371.7	3,364.5	3,357.5	13.1	11.5	130.59	2,224.4	-597.6	2,521.8	2,497.8	24.00	105.054		
3,500.0	3,470.4	3,448.4	3,441.3	13.5	11.8	130.84	2,224.0	-596.7	2,531.7	2,507.0	24.69	102.530		
3,600.0	3,569.1	3,537.9	3,530.8	14.0	12.1	131.11	2,224.0	-595.9	2,542.2	2,516.8	25.40	100.087		
3,700.0	3,667.8	3,627.3	3,620.2	14.4	12.4	131.37	2,224.2	-595.3	2,553.2	2,527.1	26.11	97.801		
3,800.0	3,766.5	3,724.4	3,717.3	14.8	12.7	131.64	2,224.7	-594.7	2,564.4	2,537.5	26.84	95.542		
3,900.0	3,865.1	3,809.4	3,802.3	15.3	13.0	131.88	2,225.3	-594.4	2,575.9	2,548.4	27.53	93.580		
4,000.0	3,963.8	3,898.5	3,891.5	15.7	13.3	132.13	2,226.4	-594.2	2,588.0	2,559.7	28.23	91.683		
4,100.0	4,062.5	4,309.4	4,301.1	16.1	14.8	132.85	2,209.8	-609.0	2,598.6	2,568.5	30.06	86.442		
4,200.0	4,161.2	4,401.6	4,392.5	16.6	15.1	132.93	2,199.3	-615.1	2,599.1	2,568.3	30.80	84.382		
4,300.0	4,259.9	4,521.3	4,511.2	17.0	15.6	133.04	2,185.9	-622.8	2,599.8	2,568.1	31.62	82.212		
4,400.0	4,358.6	4,629.7	4,618.4	17.5	16.0	133.11	2,172.4	-631.0	2,599.1	2,566.7	32.41	80.186		
4,480.6	4,438.1	4,699.4	4,687.4	17.8	16.2	133.16	2,163.9	-636.1	2,599.0	2,566.0	33.00	78.753		
4,500.0	4,457.3	4,716.4	4,704.3	17.9	16.3	133.18	2,161.9	-637.3	2,599.0	2,565.9	33.14	78.416		
4,600.0	4,555.9	4,890.3	4,876.4	18.3	17.0	133.36	2,139.2	-647.1	2,597.6	2,563.5	34.11	76.149		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 164-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		
4,700.0	4,654.6	4,972.2	4,957.4	18.8	17.3	133.47	2,127.6	-650.6	2,595.2	2,560.3	34.83	74.506		
4,800.0	4,753.3	4,800.0	5,075.9	19.2	16.6	133.64	2,111.3	-655.6	2,593.2	2,558.6	34.59	74.973		
4,900.0	4,852.0	5,222.8	5,205.1	19.7	18.3	133.80	2,091.0	-661.3	2,589.2	2,552.7	36.49	70.955		
5,000.0	4,950.7	5,302.6	5,283.9	20.1	18.6	133.91	2,078.9	-664.6	2,585.6	2,548.4	37.21	69.488		
5,100.0	5,049.4	5,380.8	5,361.2	20.6	18.9	134.03	2,067.6	-667.5	2,582.9	2,544.9	37.92	68.111		
5,200.0	5,148.1	5,458.2	5,437.8	21.0	19.2	134.14	2,057.2	-670.4	2,581.0	2,542.3	38.63	66.815		
5,300.0	5,246.7	5,300.0	5,558.5	21.4	18.6	134.31	2,040.8	-675.6	2,579.3	2,540.9	38.43	67.121		
5,400.0	5,345.4	5,702.3	5,679.2	21.9	20.2	134.45	2,022.6	-682.0	2,576.0	2,535.7	40.28	63.949		
5,500.0	5,444.1	5,782.8	5,758.7	22.3	20.5	134.54	2,010.8	-686.1	2,573.2	2,532.2	41.00	62.755		
5,600.0	5,542.8	5,862.5	5,837.6	22.8	20.8	134.64	1,999.8	-690.1	2,571.2	2,529.5	41.72	61.628		
5,700.0	5,641.5	6,021.5	5,994.6	23.2	21.4	134.82	1,976.9	-698.5	2,568.7	2,526.1	42.64	60.236		
5,800.0	5,740.2	6,093.0	6,065.2	23.7	21.7	134.90	1,966.1	-702.3	2,565.4	2,522.0	43.35	59.182		
5,900.0	5,838.9	6,166.4	6,137.8	24.1	22.0	135.00	1,955.8	-705.5	2,563.1	2,519.1	44.05	58.189		
6,000.0	5,937.5	6,000.0	6,250.5	24.5	21.4	135.15	1,939.9	-710.4	2,561.0	2,517.2	43.82	58.444		
6,100.0	6,036.2	6,349.7	6,319.2	25.0	22.8	135.25	1,930.3	-713.1	2,559.0	2,513.5	45.54	56.191		
6,157.8	6,093.3	6,380.0	6,349.2	25.2	22.9	135.30	1,926.5	-714.2	2,558.7	2,512.8	45.91	55.736		
6,200.0	6,134.9	6,404.6	6,373.7	25.4	23.0	135.34	1,923.7	-714.9	2,558.8	2,512.6	46.18	55.414		
6,300.0	6,233.6	6,459.1	6,427.8	25.9	23.2	135.44	1,918.2	-716.3	2,560.4	2,513.6	46.79	54.716		
6,400.0	6,332.3	6,520.1	6,488.6	26.3	23.4	135.57	1,913.1	-717.4	2,563.7	2,516.2	47.42	54.065		
6,500.0	6,431.0	6,603.9	6,572.2	26.8	23.8	135.74	1,907.2	-718.7	2,568.3	2,520.2	48.12	53.378		
6,600.0	6,529.6	6,751.2	6,718.9	27.2	24.3	136.00	1,895.1	-722.9	2,571.9	2,522.8	49.04	52.445		
6,700.0	6,628.3	6,824.4	6,791.8	27.6	24.6	136.12	1,888.7	-725.5	2,575.1	2,525.4	49.71	51.805		
6,800.0	6,727.0	6,891.5	6,858.7	28.1	24.9	136.24	1,883.8	-727.6	2,579.6	2,529.3	50.35	51.238		
6,900.0	6,825.7	6,959.0	6,926.0	28.5	25.1	136.37	1,879.7	-729.2	2,585.4	2,534.4	50.97	50.719		
7,000.0	6,924.4	7,034.1	7,001.0	29.0	25.4	136.52	1,876.0	-730.4	2,592.3	2,540.7	51.62	50.215		
7,100.0	7,023.1	7,111.5	7,078.4	29.4	25.7	136.69	1,872.8	-731.3	2,600.1	2,547.8	52.28	49.737		
7,200.0	7,121.8	7,207.6	7,174.4	29.9	26.0	136.89	1,869.5	-732.7	2,608.6	2,555.6	53.01	49.211		
7,300.0	7,220.4	7,302.3	7,269.0	30.3	26.3	137.08	1,866.2	-734.2	2,617.0	2,563.2	53.73	48.704		
7,400.0	7,319.1	7,390.3	7,357.0	30.7	26.7	137.27	1,863.4	-735.2	2,625.8	2,571.4	54.42	48.247		
7,466.5	7,384.7	7,447.8	7,414.5	31.0	26.9	137.40	1,861.8	-735.8	2,631.9	2,577.0	54.88	47.958		
7,500.0	7,417.8	7,475.8	7,442.5	31.2	27.0	137.49	1,861.1	-736.1	2,635.0	2,579.9	55.10	47.819		
7,600.0	7,516.9	7,559.7	7,526.3	31.6	27.3	137.72	1,859.4	-736.9	2,643.3	2,587.5	55.76	47.401		
7,700.0	7,616.2	7,647.1	7,613.7	32.0	27.6	137.92	1,858.0	-737.6	2,650.2	2,593.8	56.43	46.967		
7,800.0	7,715.8	7,738.3	7,704.9	32.4	27.9	138.11	1,856.9	-737.0	2,655.5	2,598.4	57.09	46.514		
7,900.0	7,815.6	7,815.0	7,781.6	32.8	28.1	138.25	1,856.5	-735.5	2,659.6	2,601.9	57.67	46.121		
8,000.0	7,915.5	7,914.8	7,881.3	33.1	28.5	138.39	1,856.4	-732.5	2,662.1	2,603.8	58.33	45.638		
8,086.5	8,002.0	7,977.7	7,944.2	33.3	28.7	-90.75	1,856.6	-731.3	2,663.2	2,604.4	58.78	45.307		
8,100.0	8,015.5	7,987.7	7,954.2	33.4	28.7	-90.55	1,856.7	-731.3	2,663.3	2,604.4	58.85	45.256		
8,150.0	8,065.4	8,036.0	8,002.5	33.5	28.9	-90.57	1,857.2	-731.7	2,663.8	2,604.7	59.15	45.035		
8,200.0	8,114.8	8,096.4	8,062.9	33.6	29.1	-90.74	1,857.6	-732.0	2,664.3	2,604.8	59.50	44.778		
8,250.0	8,163.3	8,167.3	8,133.8	33.7	29.3	-91.08	1,857.7	-731.9	2,664.5	2,604.6	59.89	44.491		
8,300.0	8,210.6	8,234.1	8,200.6	33.8	29.5	-91.53	1,857.3	-731.6	2,664.5	2,604.3	60.25	44.224		
8,350.0	8,256.3	8,296.0	8,262.5	33.8	29.7	-92.07	1,856.4	-731.6	2,664.5	2,603.9	60.58	43.981		
8,400.0	8,300.1	8,370.6	8,337.1	33.9	30.0	-92.85	1,854.8	-731.5	2,664.4	2,603.4	60.96	43.704		
8,426.4	8,322.4	8,408.7	8,375.1	33.9	30.1	-93.30	1,853.6	-731.2	2,664.3	2,603.2	61.15	43.567		
8,450.0	8,341.6	8,410.3	8,376.8	33.9	30.1	-93.31	1,853.6	-731.3	2,664.5	2,603.3	61.19	43.546		
8,500.0	8,380.6	8,437.2	8,403.7	33.9	30.2	-93.59	1,852.9	-731.1	2,665.3	2,603.9	61.36	43.440		
8,550.0	8,416.6	8,462.1	8,428.6	33.9	30.3	-93.79	1,852.4	-731.1	2,667.0	2,605.4	61.52	43.352		
8,600.0	8,449.5	8,485.0	8,451.5	33.9	30.4	-93.91	1,852.0	-731.0	2,669.5	2,607.8	61.68	43.277		
8,650.0	8,479.0	8,521.8	8,488.3	33.9	30.5	-94.20	1,851.5	-730.8	2,673.0	2,611.1	61.93	43.163		
8,700.0	8,504.8	8,555.4	8,521.8	33.9	30.6	-94.37	1,850.9	-730.4	2,677.3	2,615.2	62.18	43.060		
8,750.0	8,526.9	8,585.2	8,551.6	33.8	30.7	-94.41	1,850.3	-729.8	2,682.6	2,620.2	62.43	42.971		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 164-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		
8,800.0	8,544.9	8,612.2	8,578.6	33.8	30.8	-94.31	1,849.7	-729.1	2,689.0	2,626.3	62.69	42.891		
8,850.0	8,558.8	8,634.3	8,600.7	33.8	30.9	-94.01	1,849.2	-728.3	2,696.4	2,633.4	62.96	42.827		
8,900.0	8,568.4	8,651.1	8,617.5	33.7	31.0	-93.50	1,848.8	-727.7	2,704.9	2,641.6	63.23	42.780		
8,950.0	8,573.8	8,662.1	8,628.5	33.7	31.0	-92.76	1,848.5	-727.2	2,714.5	2,651.0	63.49	42.753		
8,986.5	8,575.0	8,666.3	8,632.6	33.7	31.0	-92.06	1,848.4	-727.0	2,722.2	2,658.5	63.68	42.748		
8,993.2	8,575.0	8,666.7	8,633.1	33.8	31.0	-92.07	1,848.4	-727.0	2,723.6	2,659.9	63.71	42.748		
9,000.0	8,575.0	8,667.2	8,633.5	33.8	31.0	-92.08	1,848.4	-727.0	2,725.2	2,661.4	63.75	42.748		
9,100.0	8,575.0	8,674.3	8,640.6	33.9	31.1	-92.24	1,848.2	-726.7	2,749.4	2,685.1	64.33	42.738		
9,200.0	8,575.0	8,682.0	8,648.4	34.4	31.1	-92.40	1,848.0	-726.3	2,777.1	2,712.0	65.02	42.713		
9,300.0	8,575.0	8,690.5	8,656.8	35.3	31.1	-92.59	1,847.8	-725.9	2,808.0	2,742.2	65.79	42.682		
9,400.0	8,575.0	9,400.0	8,633.8	36.3	33.5	-92.09	1,848.4	-726.9	2,842.1	2,773.1	69.00	41.189		
9,500.0	8,575.0	9,500.0	8,637.3	37.6	33.9	-92.17	1,848.3	-726.8	2,879.3	2,809.1	70.20	41.014		
9,600.0	8,575.0	9,600.0	8,640.7	38.9	34.2	-92.24	1,848.2	-726.7	2,919.4	2,848.0	71.44	40.865		
9,700.0	8,575.0	10,739.3	9,788.2	40.4	43.9	-115.17	1,858.6	527.8	2,942.0	2,862.9	79.15	37.171		
9,800.0	8,575.0	10,842.0	9,792.2	41.9	45.5	-115.24	1,859.0	630.4	2,943.9	2,861.9	82.00	35.901		
9,900.0	8,575.0	10,979.8	9,796.7	43.6	47.8	-115.32	1,859.5	768.1	2,945.8	2,860.2	85.60	34.414		
10,000.0	8,575.0	11,071.1	9,797.6	45.3	49.4	-115.33	1,859.7	859.4	2,946.3	2,857.7	88.57	33.266		
10,100.0	8,575.0	11,162.3	9,798.3	47.0	51.0	-115.34	1,860.7	950.6	2,947.5	2,855.9	91.64	32.164		
10,200.0	8,575.0	11,253.1	9,799.4	48.9	52.7	-115.35	1,861.7	1,041.4	2,948.8	2,854.0	94.79	31.108		
10,300.0	8,575.0	11,356.0	9,800.8	50.8	54.7	-115.37	1,863.0	1,144.2	2,950.5	2,852.2	98.26	30.027		
10,400.0	8,575.0	11,480.9	9,801.3	52.7	57.1	-115.37	1,864.3	1,269.2	2,951.5	2,849.3	102.26	28.863		
10,500.0	8,575.0	11,546.2	9,801.5	54.7	58.4	-115.36	1,865.2	1,334.4	2,952.7	2,847.6	105.15	28.082		
10,600.0	8,575.0	11,618.7	9,803.0	56.7	59.8	-115.38	1,866.4	1,406.9	2,955.0	2,846.8	108.20	27.311		
10,700.0	8,575.0	11,702.9	9,806.1	58.7	61.5	-115.42	1,867.9	1,491.0	2,958.1	2,846.5	111.53	26.524		
10,800.0	8,575.0	11,797.3	9,810.2	60.8	63.5	-115.48	1,869.6	1,585.3	2,961.4	2,846.3	115.10	25.728		
10,900.0	8,575.0	11,900.4	9,814.6	62.9	65.6	-115.54	1,871.5	1,688.3	2,964.9	2,845.9	118.92	24.932		
11,000.0	8,575.0	12,016.2	9,819.4	65.0	68.0	-115.61	1,873.3	1,804.0	2,968.0	2,844.9	123.06	24.119		
11,100.0	8,575.0	12,212.5	9,824.9	67.1	72.2	-115.70	1,874.4	2,000.2	2,970.0	2,841.0	129.01	23.022		
11,200.0	8,575.0	12,337.7	9,825.1	69.3	75.0	-115.72	1,872.7	2,125.4	2,968.6	2,835.2	133.48	22.241		
11,300.0	8,575.0	12,438.3	9,825.5	71.5	77.2	-115.74	1,871.2	2,226.0	2,967.4	2,829.9	137.45	21.589		
11,400.0	8,575.0	12,521.4	9,825.6	73.7	79.0	-115.75	1,870.3	2,309.1	2,966.3	2,825.3	141.06	21.028		
11,500.0	8,575.0	12,603.5	9,826.3	75.9	80.8	-115.77	1,869.7	2,391.2	2,965.9	2,821.2	144.67	20.501		
11,600.0	8,575.0	12,738.4	9,828.6	78.2	83.8	-115.82	1,867.9	2,526.0	2,965.4	2,815.9	149.46	19.841		
11,700.0	8,575.0	12,836.6	9,829.7	80.4	86.1	-115.86	1,866.1	2,624.2	2,964.1	2,810.7	153.46	19.316		
11,800.0	8,575.0	12,934.9	9,830.4	82.7	88.3	-115.89	1,864.4	2,722.5	2,962.9	2,805.4	157.49	18.814		
11,900.0	8,575.0	13,028.3	9,831.1	84.9	90.4	-115.91	1,863.2	2,815.9	2,961.9	2,800.4	161.43	18.348		
12,000.0	8,575.0	13,131.3	9,831.4	87.2	92.7	-115.93	1,861.5	2,918.9	2,960.4	2,794.8	165.60	17.876		
12,060.8	8,575.0	13,160.4	9,831.7	88.6	93.4	-115.94	1,861.2	2,948.0	2,960.1	2,792.7	167.38	17.685		
12,100.0	8,575.0	13,179.2	9,832.1	89.5	93.8	-115.95	1,861.1	2,966.8	2,960.2	2,791.7	168.51	17.567		
12,200.0	8,575.0	13,243.7	9,834.1	91.8	95.3	-115.98	1,861.3	3,031.3	2,961.7	2,789.9	171.77	17.242		
12,300.0	8,575.0	13,339.3	9,837.6	94.1	97.5	-116.04	1,861.9	3,126.8	2,963.8	2,788.0	175.76	16.862		
12,400.0	8,575.0	13,446.0	9,841.3	96.4	100.0	-116.10	1,862.5	3,233.4	2,965.6	2,785.6	180.03	16.473		
12,500.0	8,575.0	13,526.6	9,844.2	98.7	101.8	-116.14	1,863.0	3,313.9	2,967.7	2,784.0	183.68	16.157		
12,600.0	8,575.0	13,659.8	9,848.9	101.0	104.9	-116.21	1,864.3	3,447.0	2,970.2	2,781.5	188.62	15.747		
12,700.0	8,575.0	13,772.8	9,850.8	103.4	107.5	-116.24	1,864.9	3,560.0	2,971.3	2,778.2	193.11	15.387		
12,800.0	8,575.0	13,970.5	9,846.4	105.7	112.1	-116.17	1,864.7	3,757.6	2,969.7	2,769.9	199.74	14.868		
12,900.0	8,575.0	14,020.0	9,844.6	108.0	113.3	-116.14	1,864.9	3,807.1	2,968.2	2,765.4	202.86	14.632		
12,938.9	8,575.0	14,036.9	9,844.2	109.0	113.7	-116.13	1,865.1	3,824.0	2,968.1	2,764.2	203.99	14.550		
13,000.0	8,575.0	14,071.0	9,843.7	110.4	114.5	-116.12	1,865.6	3,858.1	2,968.5	2,762.5	205.95	14.414		
13,100.0	8,575.0	14,144.3	9,844.0	112.7	116.2	-116.11	1,866.9	3,931.3	2,970.1	2,760.6	209.54	14.175		
13,200.0	8,575.0	14,233.5	9,844.7	115.1	118.3	-116.11	1,868.5	4,020.5	2,971.9	2,758.4	213.52	13.919		
13,300.0	8,575.0	14,302.0	9,845.4	117.5	119.9	-116.11	1,870.5	4,089.0	2,974.9	2,757.9	216.97	13.711		

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



## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 164-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		
13,400.0	8,575.0	14,410.4	9,847.0	119.8	122.4	-116.11	1,874.0	4,197.4	2,978.3	2,756.8	221.47	13.448		
13,500.0	8,575.0	14,477.4	9,848.4	122.2	124.0	-116.11	1,876.1	4,264.3	2,982.0	2,757.1	224.86	13.261		
13,600.0	8,575.0	14,585.3	9,851.6	124.6	126.6	-116.14	1,879.6	4,372.0	2,986.1	2,756.8	229.31	13.022		
13,700.0	8,575.0	14,665.3	9,854.5	126.9	128.4	-116.17	1,882.0	4,452.0	2,990.3	2,757.2	233.01	12.833		
13,800.0	8,575.0	14,834.3	9,859.8	129.3	132.4	-116.23	1,886.4	4,620.9	2,994.0	2,755.0	239.06	12.524		
13,900.0	8,575.0	14,932.8	9,860.3	131.7	134.8	-116.22	1,888.3	4,719.4	2,995.9	2,752.6	243.33	12.312		
14,000.0	8,575.0	14,000.0	9,861.0	134.1	112.6	-116.21	1,890.7	4,833.0	2,998.0	2,772.5	225.49	13.295		
14,100.0	8,575.0	15,177.7	9,863.3	136.4	140.6	-116.25	1,891.1	4,964.2	2,998.9	2,745.8	253.04	11.851		
14,200.0	8,575.0	15,361.0	9,868.6	138.8	145.0	-116.37	1,888.1	5,147.4	2,998.8	2,739.7	259.15	11.572		
14,300.0	8,575.0	15,514.8	9,870.2	141.2	148.6	-116.44	1,883.1	5,301.1	2,996.4	2,731.9	264.53	11.328		
14,400.0	8,575.0	15,575.4	9,869.6	143.6	150.1	-116.45	1,880.9	5,361.6	2,992.9	2,724.9	267.97	11.169		
14,500.0	8,575.0	15,608.7	9,869.8	146.0	150.9	-116.46	1,880.3	5,394.9	2,991.5	2,720.8	270.72	11.050		
14,511.5	8,575.0	15,612.5	9,869.9	146.3	151.0	-116.46	1,880.3	5,398.7	2,991.5	2,720.5	271.03	11.038		
14,600.0	8,575.0	15,642.0	9,870.7	148.4	151.7	-116.47	1,880.2	5,428.2	2,992.4	2,719.0	273.33	10.948		
14,700.0	8,575.0	15,739.4	9,873.6	150.8	154.0	-116.52	1,881.1	5,525.5	2,994.4	2,716.9	277.51	10.790		
14,800.0	8,575.0	15,834.6	9,875.0	153.2	156.3	-116.53	1,882.8	5,620.7	2,996.5	2,714.8	281.69	10.638		
14,900.0	8,575.0	15,910.9	9,875.6	155.6	158.1	-116.52	1,884.8	5,697.0	2,999.2	2,713.8	285.40	10.509		
15,000.0	8,575.0	16,081.5	9,878.5	158.0	162.2	-116.55	1,887.0	5,867.5	3,000.9	2,709.4	291.53	10.294		
15,100.0	8,575.0	16,181.0	9,880.5	160.4	164.6	-116.59	1,886.6	5,967.0	3,001.4	2,705.7	295.77	10.148		
15,200.0	8,575.0	16,421.3	9,879.8	162.8	170.4	-116.63	1,881.4	6,207.2	2,998.5	2,695.2	303.29	9.887		
15,300.0	8,575.0	16,469.6	9,879.3	165.2	171.5	-116.63	1,880.1	6,255.5	2,995.5	2,689.0	306.51	9.773		
15,400.0	8,575.0	16,502.0	9,879.3	167.6	172.3	-116.63	1,879.5	6,287.9	2,994.1	2,684.9	309.25	9.682		
15,432.3	8,575.0	16,533.6	9,879.6	168.4	173.1	-116.64	1,879.2	6,319.5	2,993.9	2,683.3	310.62	9.638		
15,500.0	8,575.0	16,562.5	9,880.3	170.0	173.8	-116.66	1,879.0	6,348.4	2,994.3	2,681.8	312.55	9.580		
15,600.0	8,575.0	16,645.6	9,884.0	172.5	175.8	-116.72	1,879.4	6,431.4	2,996.5	2,680.2	316.32	9.473		
15,700.0	8,575.0	16,755.7	9,886.6	174.9	178.4	-116.76	1,879.7	6,541.5	2,997.7	2,676.8	320.83	9.343		
15,800.0	8,575.0	16,841.7	9,888.4	177.3	180.5	-116.78	1,880.7	6,627.5	2,999.5	2,674.8	324.76	9.236		
15,900.0	8,575.0	16,976.7	9,888.9	179.7	183.7	-116.77	1,883.1	6,762.4	3,001.2	2,671.2	330.06	9.093		
16,000.0	8,575.0	17,138.8	9,888.7	182.1	187.7	-116.78	1,882.3	6,924.5	3,000.3	2,664.4	335.93	8.931		
16,100.0	8,575.0	17,212.6	9,888.8	184.5	189.4	-116.79	1,881.5	6,998.3	2,999.4	2,659.8	339.64	8.831		
16,128.3	8,575.0	17,229.8	9,889.0	185.2	189.9	-116.79	1,881.4	7,015.5	2,999.3	2,658.7	340.59	8.806		
16,200.0	8,575.0	17,268.0	9,889.6	187.0	190.8	-116.80	1,881.3	7,053.7	2,999.7	2,656.8	342.84	8.750		
16,300.0	8,575.0	17,335.7	9,891.1	189.4	192.4	-116.83	1,881.7	7,121.3	3,001.2	2,655.0	346.28	8.667		
16,400.0	8,575.0	17,492.0	9,895.6	191.8	196.2	-116.90	1,882.5	7,277.6	3,003.1	2,651.1	351.94	8.533		
16,500.0	8,575.0	17,616.0	9,898.5	194.2	199.2	-116.96	1,880.8	7,401.6	3,002.8	2,646.0	356.72	8.418		
16,575.4	8,575.0	17,677.0	9,899.2	196.0	200.7	-116.98	1,880.2	7,462.6	3,002.5	2,642.9	359.61	8.349		
16,600.0	8,575.0	17,693.0	9,899.4	196.6	201.1	-116.99	1,880.1	7,478.6	3,002.5	2,642.1	360.46	8.330		
16,700.0	8,575.0	17,763.2	9,901.2	199.1	202.8	-117.02	1,880.0	7,548.7	3,003.4	2,639.4	363.97	8.252		
16,800.0	8,575.0	17,863.3	9,904.3	201.5	205.2	-117.07	1,880.0	7,648.7	3,004.7	2,636.5	368.18	8.161		
16,900.0	8,575.0	17,973.6	9,906.4	203.9	207.9	-117.10	1,880.4	7,759.0	3,005.7	2,633.0	372.72	8.064		
17,000.0	8,575.0	18,068.9	9,906.5	206.3	210.2	-117.10	1,881.5	7,854.3	3,006.7	2,629.8	376.98	7.976		
17,100.0	8,575.0	18,152.8	9,905.4	208.8	212.2	-117.07	1,883.3	7,938.2	3,008.0	2,627.0	381.02	7.895		
17,200.0	8,575.0	18,225.0	9,905.8	211.2	213.9	-117.06	1,885.0	8,010.4	3,010.2	2,625.5	384.64	7.826		
17,300.0	8,575.0	18,445.2	9,909.7	213.6	219.3	-117.14	1,882.9	8,230.5	3,009.2	2,617.4	391.83	7.680		
17,400.0	8,575.0	18,513.0	9,909.7	216.0	220.9	-117.15	1,882.0	8,298.3	3,008.0	2,612.6	395.41	7.607		
17,436.9	8,575.0	18,538.2	9,909.7	216.9	221.5	-117.15	1,881.8	8,323.5	3,007.8	2,611.1	396.73	7.582		
17,500.0	8,575.0	18,563.2	9,910.0	218.5	222.1	-117.16	1,881.9	8,348.5	3,008.2	2,609.7	398.49	7.549		
17,600.0	8,575.0	18,609.0	9,911.4	220.9	223.2	-117.18	1,882.5	8,394.3	3,010.5	2,609.2	401.30	7.502		
17,700.0	8,575.0	18,855.0	9,920.9	223.3	229.2	-117.37	1,879.5	8,640.0	3,011.0	2,602.1	408.84	7.365		
17,800.0	8,575.0	19,000.9	9,921.1	225.8	232.8	-117.41	1,875.1	8,785.9	3,008.3	2,594.2	414.06	7.265		
17,900.0	8,575.0	19,065.5	9,920.2	228.2	234.3	-117.41	1,873.8	8,850.4	3,005.7	2,588.0	417.69	7.196		
18,000.0	8,575.0	19,183.9	9,918.2	230.6	237.2	-117.39	1,872.1	8,968.8	3,003.5	2,581.0	422.51	7.109		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 164-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	8,575.0	19,267.8	9,917.2	233.0	239.3	-117.39	1,870.4	9,052.7	3,001.1	2,574.5	426.54	7.036		
18,200.0	8,575.0	19,313.7	9,917.2	235.5	240.4	-117.39	1,869.7	9,098.6	2,999.7	2,570.1	429.63	6.982		
18,218.9	8,575.0	19,321.2	9,917.3	235.9	240.6	-117.40	1,869.6	9,106.1	2,999.7	2,569.5	430.17	6.973		
18,300.0	8,575.0	19,375.0	9,918.7	237.9	241.9	-117.42	1,869.8	9,159.9	3,000.5	2,567.6	432.93	6.931		
18,400.0	8,575.0	19,477.7	9,921.1	240.3	244.4	-117.45	1,870.7	9,262.6	3,002.3	2,565.0	437.25	6.866		
18,500.0	8,575.0	19,614.8	9,921.3	242.8	247.7	-117.46	1,870.3	9,399.6	3,001.8	2,559.3	442.53	6.783		
18,550.0	8,575.0	19,652.4	9,921.8	244.0	248.6	-117.47	1,870.0	9,437.2	3,001.7	2,557.4	444.37	6.755		
18,600.0	8,575.0	19,699.8	9,922.8	245.2	249.8	-117.49	1,869.6	9,484.7	3,001.8	2,555.3	446.42	6.724		
18,700.0	8,575.0	19,800.4	9,924.1	247.6	252.2	-117.52	1,869.1	9,585.2	3,001.8	2,551.1	450.71	6.660		
18,800.0	8,575.0	19,890.4	9,925.0	250.1	254.4	-117.54	1,868.9	9,675.2	3,002.0	2,547.2	454.76	6.601		
18,900.0	8,575.0	19,968.6	9,926.9	252.5	256.3	-117.57	1,868.6	9,753.4	3,002.7	2,544.3	458.44	6.550		
19,000.0	8,575.0	19,000.0	9,931.7	255.0	232.7	-117.67	1,867.7	9,881.6	3,003.8	2,564.6	439.27	6.838		
19,100.0	8,575.0	20,203.7	9,935.6	257.4	262.0	-117.75	1,865.3	9,988.3	3,003.4	2,536.0	467.43	6.425		
19,102.4	8,575.0	20,205.0	9,935.6	257.4	262.1	-117.75	1,865.3	9,989.6	3,003.4	2,535.9	467.51	6.424		
19,200.0	8,575.0	20,273.0	9,938.5	259.8	263.7	-117.81	1,864.3	10,057.6	3,004.0	2,533.2	470.79	6.381		
19,300.0	8,575.0	20,366.8	9,941.2	262.3	266.0	-117.86	1,864.3	10,151.3	3,005.2	2,530.4	474.81	6.329		
19,400.0	8,575.0	20,477.7	9,943.0	264.7	268.7	-117.89	1,864.7	10,262.2	3,006.2	2,526.8	479.36	6.271		
19,500.0	8,575.0	20,558.8	9,944.3	267.1	270.7	-117.91	1,864.9	10,343.3	3,007.1	2,524.0	483.13	6.224		
19,600.0	8,575.0	20,619.0	9,945.6	269.6	272.1	-117.92	1,865.8	10,403.4	3,009.3	2,523.0	486.30	6.188		
19,700.0	8,575.0	20,820.3	9,947.5	272.0	277.0	-117.95	1,867.0	10,604.7	3,009.9	2,516.6	493.29	6.102		
19,729.1	8,575.0	20,831.9	9,947.6	272.7	277.3	-117.95	1,867.0	10,616.3	3,009.9	2,515.8	494.12	6.091		
19,800.0	8,575.0	20,874.3	9,947.9	274.5	278.4	-117.95	1,867.1	10,658.7	3,010.2	2,513.8	496.46	6.063		
19,900.0	8,575.0	19,900.0	9,949.3	276.9	254.6	-117.97	1,867.6	10,767.4	3,011.1	2,533.7	477.37	6.308		
20,000.0	8,575.0	21,078.8	9,949.8	279.3	283.3	-117.98	1,867.7	10,863.2	3,011.4	2,506.2	505.19	5.961		
20,100.0	8,575.0	21,220.6	9,949.9	281.8	286.8	-117.98	1,868.3	11,005.0	3,011.7	2,501.1	510.61	5.898		
20,200.0	8,575.0	21,374.3	9,949.4	284.2	290.5	-117.99	1,866.4	11,158.7	3,010.5	2,494.3	516.15	5.833		
20,300.0	8,575.0	21,494.0	9,948.5	286.6	293.5	-118.00	1,863.2	11,278.3	3,007.7	2,486.8	520.86	5.774		
20,400.0	8,575.0	21,576.0	9,947.4	289.1	295.5	-118.00	1,861.3	11,360.3	3,004.9	2,480.0	524.86	5.725		
20,500.0	8,575.0	21,620.5	9,946.8	291.5	296.6	-118.00	1,860.9	11,404.8	3,003.3	2,475.3	528.00	5.688		
20,530.7	8,575.0	21,633.6	9,946.7	292.3	296.9	-118.00	1,860.9	11,417.9	3,003.2	2,474.3	528.91	5.678		
20,600.0	8,575.0	21,672.0	9,946.8	294.0	297.8	-117.99	1,861.2	11,456.3	3,003.7	2,472.6	531.13	5.655		
20,700.0	8,575.0	21,748.3	9,947.7	296.4	299.7	-118.00	1,862.4	11,532.6	3,005.4	2,470.6	534.82	5.619		
20,800.0	8,575.0	21,970.8	9,946.7	298.9	305.1	-117.98	1,863.5	11,755.1	3,006.0	2,463.7	542.32	5.543		
20,900.0	8,575.0	22,048.4	9,944.6	301.3	307.0	-117.94	1,863.1	11,832.6	3,004.1	2,457.8	546.33	5.499		
21,000.0	8,575.0	22,125.9	9,943.3	303.7	308.9	-117.93	1,862.9	11,910.1	3,003.0	2,452.7	550.26	5.457		
21,070.7	8,575.0	22,173.7	9,943.0	305.5	310.0	-117.92	1,862.8	11,957.9	3,002.7	2,449.9	552.81	5.432		
21,100.0	8,575.0	22,194.2	9,943.0	306.2	310.5	-117.92	1,862.9	11,978.4	3,002.7	2,448.9	553.87	5.421		
21,200.0	8,575.0	22,261.0	9,942.8	308.6	312.2	-117.91	1,863.3	12,045.2	3,003.2	2,445.8	557.38	5.388		
21,213.6	8,575.0	22,261.0	9,942.8	309.0	312.2	-117.91	1,863.3	12,045.2	3,003.4	2,445.8	557.59	5.386 SF		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	-45.25	29.8	-30.0	42.3					
100.0	100.0	101.0	99.0	0.1	0.1	-45.25	29.8	-30.0	42.3	42.0	0.26	162.720		
200.0	200.0	201.0	199.0	0.5	0.5	-45.25	29.8	-30.0	42.3	41.3	0.98	43.293		
300.0	300.0	301.0	299.0	0.8	0.8	-45.25	29.8	-30.0	42.3	40.6	1.69	24.968		
400.0	400.0	401.0	399.0	1.2	1.2	-45.25	29.8	-30.0	42.3	39.9	2.41	17.542		
500.0	500.0	501.0	499.0	1.6	1.6	-45.25	29.8	-30.0	42.3	39.2	3.13	13.521		
600.0	600.0	601.0	599.0	1.9	1.9	-45.25	29.8	-30.0	42.3	38.4	3.84	11.000		
700.0	700.0	701.0	699.0	2.3	2.3	-45.25	29.8	-30.0	42.3	37.7	4.56	9.271		
800.0	800.0	801.0	799.0	2.6	2.6	-45.25	29.8	-30.0	42.3	37.0	5.28	8.012		
900.0	900.0	901.0	899.0	3.0	3.0	-45.25	29.8	-30.0	42.3	36.3	6.00	7.054		
1,000.0	1,000.0	1,001.0	999.0	3.4	3.4	-45.25	29.8	-30.0	42.3	35.6	6.71	6.300 CC		
1,100.0	1,100.0	1,101.0	1,099.0	3.7	3.7	96.87	29.8	-30.0	42.5	35.1	7.41	5.732 ES		
1,200.0	1,199.7	1,201.3	1,198.7	4.0	4.1	105.35	29.8	-30.0	43.8	35.7	8.11	5.398		
1,300.0	1,299.1	1,301.9	1,298.1	4.4	4.4	117.88	29.8	-30.0	47.8	39.0	8.81	5.427		
1,372.0	1,370.4	1,369.4	1,369.4	4.6	4.7	127.69	29.8	-30.0	53.6	44.3	9.31	5.757		
1,400.0	1,398.0	1,403.0	1,397.0	4.7	4.8	131.30	29.8	-30.0	56.5	47.0	9.53	5.929		
1,500.0	1,496.7	1,495.7	1,495.7	5.1	5.1	141.48	29.8	-30.0	68.3	58.1	10.21	6.690		
1,600.0	1,595.4	1,593.4	1,593.4	5.5	5.5	147.48	30.6	-31.3	82.2	71.3	10.90	7.538		
1,700.0	1,694.1	1,691.0	1,690.8	5.9	5.8	149.86	33.0	-35.5	97.8	86.2	11.60	8.433		
1,800.0	1,792.7	1,788.3	1,787.8	6.3	6.2	149.99	37.2	-42.5	114.7	102.4	12.30	9.322		
1,900.0	1,891.4	1,885.2	1,884.0	6.7	6.5	148.73	43.1	-52.2	132.7	119.7	13.01	10.199		
2,000.0	1,990.1	1,983.1	1,981.0	7.1	6.9	147.00	50.1	-63.8	151.5	137.8	13.74	11.032		
2,100.0	2,088.8	2,081.2	2,078.1	7.5	7.2	145.63	57.1	-75.5	170.5	156.1	14.48	11.780		
2,200.0	2,187.5	2,179.3	2,175.3	7.9	7.6	144.54	64.1	-87.3	189.6	174.4	15.22	12.455		
2,300.0	2,286.2	2,277.4	2,272.4	8.3	8.0	143.65	71.2	-99.0	208.7	192.7	15.97	13.065		
2,400.0	2,384.9	2,375.5	2,369.6	8.8	8.4	142.91	78.2	-110.7	227.9	211.1	16.73	13.619		
2,500.0	2,483.5	2,473.6	2,466.7	9.2	8.8	142.28	85.2	-122.4	247.1	229.6	17.49	14.123		
2,600.0	2,582.2	2,571.7	2,563.9	9.6	9.1	141.75	92.3	-134.1	266.3	248.0	18.26	14.584		
2,700.0	2,680.9	2,669.8	2,661.0	10.1	9.5	141.28	99.3	-145.8	285.5	266.5	19.03	15.006		
2,800.0	2,779.6	2,767.9	2,758.2	10.5	9.9	140.88	106.3	-157.5	304.7	284.9	19.80	15.393		
2,900.0	2,878.3	2,866.0	2,855.3	10.9	10.3	140.52	113.4	-169.2	324.0	303.4	20.57	15.751		
3,000.0	2,977.0	2,964.1	2,952.5	11.3	10.7	140.20	120.4	-180.9	343.3	321.9	21.35	16.081		
3,100.0	3,075.7	3,062.3	3,049.6	11.8	11.1	139.92	127.4	-192.6	362.6	340.4	22.12	16.387		
3,200.0	3,174.3	3,160.4	3,146.8	12.2	11.5	139.67	134.4	-204.3	381.8	358.9	22.90	16.671		
3,300.0	3,273.0	3,258.5	3,244.0	12.6	11.9	139.44	141.5	-216.0	401.1	377.4	23.69	16.935		
3,400.0	3,371.7	3,356.6	3,341.1	13.1	12.3	139.23	148.5	-227.7	420.4	396.0	24.47	17.182		
3,500.0	3,470.4	3,454.7	3,438.3	13.5	12.7	139.04	155.5	-239.4	439.7	414.5	25.25	17.413		
3,600.0	3,569.1	3,552.8	3,535.4	14.0	13.1	138.86	162.6	-251.1	459.0	433.0	26.04	17.629		
3,700.0	3,667.8	3,650.9	3,632.6	14.4	13.5	138.70	169.6	-262.8	478.4	451.5	26.83	17.832		
3,800.0	3,766.5	3,749.0	3,729.7	14.8	13.9	138.55	176.6	-274.5	497.7	470.1	27.61	18.023		
3,900.0	3,865.1	3,847.1	3,826.9	15.3	14.3	138.42	183.7	-286.2	517.0	488.6	28.40	18.203		
4,000.0	3,963.8	3,945.2	3,924.0	15.7	14.7	138.29	190.7	-297.9	536.3	507.1	29.19	18.373		
4,100.0	4,062.5	4,043.3	4,021.2	16.1	15.1	138.17	197.7	-309.7	555.6	525.7	29.98	18.533		
4,200.0	4,161.2	4,141.5	4,118.3	16.6	15.5	138.06	204.7	-321.4	575.0	544.2	30.77	18.685		
4,300.0	4,259.9	4,239.6	4,215.5	17.0	15.9	137.96	211.8	-333.1	594.3	562.7	31.56	18.829		
4,400.0	4,358.6	4,337.7	4,312.7	17.5	16.3	137.86	218.8	-344.8	613.6	581.3	32.36	18.965		
4,500.0	4,457.3	4,435.8	4,409.8	17.9	16.7	137.77	225.8	-356.5	633.0	599.8	33.15	19.095		
4,600.0	4,555.9	4,533.9	4,507.0	18.3	17.1	137.68	232.9	-368.2	652.3	618.3	33.94	19.218		
4,700.0	4,654.6	4,632.0	4,604.1	18.8	17.5	137.60	239.9	-379.9	671.6	636.9	34.74	19.335		
4,800.0	4,753.3	4,730.1	4,701.3	19.2	17.9	137.53	246.9	-391.6	691.0	655.4	35.53	19.447		
4,900.0	4,852.0	4,828.2	4,798.4	19.7	18.3	137.46	254.0	-403.3	710.3	674.0	36.32	19.554		
5,000.0	4,950.7	4,926.3	4,895.6	20.1	18.7	137.39	261.0	-415.0	729.6	692.5	37.12	19.656		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	5,049.4	5,024.4	4,992.7	20.6	19.1	137.32	268.0	-426.7	749.0	711.1	37.91	19.754		
5,200.0	5,148.1	5,122.5	5,089.9	21.0	19.5	137.26	275.0	-438.4	768.3	729.6	38.71	19.848		
5,300.0	5,246.7	5,220.7	5,187.0	21.4	20.0	137.20	282.1	-450.1	787.7	748.1	39.51	19.937		
5,400.0	5,345.4	5,318.8	5,284.2	21.9	20.4	137.15	289.1	-461.8	807.0	766.7	40.30	20.023		
5,500.0	5,444.1	5,416.9	5,381.3	22.3	20.8	137.09	296.1	-473.5	826.3	785.2	41.10	20.105		
5,600.0	5,542.8	5,515.0	5,478.5	22.8	21.2	137.04	303.2	-485.2	845.7	803.8	41.90	20.184		
5,700.0	5,641.5	5,613.1	5,575.7	23.2	21.6	137.00	310.2	-496.9	865.0	822.3	42.69	20.260		
5,800.0	5,740.2	5,711.2	5,672.8	23.7	22.0	136.95	317.2	-508.6	884.4	840.9	43.49	20.334		
5,900.0	5,838.9	5,809.3	5,770.0	24.1	22.4	136.91	324.3	-520.3	903.7	859.4	44.29	20.404		
6,000.0	5,937.5	5,907.4	5,867.1	24.5	22.8	136.86	331.3	-532.1	923.1	878.0	45.09	20.472		
6,100.0	6,036.2	6,005.5	5,964.3	25.0	23.2	136.82	338.3	-543.8	942.4	896.5	45.89	20.537		
6,200.0	6,134.9	6,103.6	6,061.4	25.4	23.6	136.78	345.3	-555.5	961.7	915.1	46.69	20.600		
6,300.0	6,233.6	6,201.7	6,158.6	25.9	24.0	136.75	352.4	-567.2	981.1	933.6	47.48	20.661		
6,400.0	6,332.3	6,300.1	6,255.7	26.3	24.4	136.71	359.4	-578.9	1,000.4	952.1	48.29	20.719		
6,500.0	6,431.0	6,402.0	6,352.9	26.8	24.9	136.68	366.4	-590.6	1,019.8	970.7	49.10	20.770		
6,600.0	6,529.6	6,503.9	6,450.0	27.2	25.3	136.64	373.5	-602.3	1,039.1	989.2	49.91	20.818		
6,700.0	6,628.3	6,605.8	6,547.2	27.6	25.7	136.61	380.5	-614.0	1,058.5	1,007.7	50.73	20.865		
6,800.0	6,727.0	6,707.7	6,644.4	28.1	26.1	136.58	387.5	-625.7	1,077.8	1,026.3	51.54	20.911		
6,900.0	6,825.7	6,809.6	6,741.5	28.5	26.6	136.55	394.6	-637.4	1,097.2	1,044.8	52.36	20.954		
7,000.0	6,924.4	6,888.5	6,838.7	29.0	26.9	136.52	401.6	-649.1	1,116.5	1,063.4	53.08	21.034		
7,100.0	7,023.1	6,986.6	6,935.8	29.4	27.3	136.49	408.6	-660.8	1,135.9	1,082.0	53.88	21.081		
7,200.0	7,121.8	7,084.7	7,033.0	29.9	27.7	136.47	415.6	-672.5	1,155.2	1,100.5	54.68	21.126		
7,300.0	7,220.4	7,182.8	7,130.1	30.3	28.1	136.44	422.7	-684.2	1,174.6	1,119.1	55.48	21.170		
7,400.0	7,319.1	7,302.5	7,248.9	30.7	28.6	136.47	430.4	-697.2	1,193.3	1,136.8	56.45	21.139		
7,466.5	7,384.7	7,387.4	7,333.3	31.0	28.9	136.62	434.5	-703.8	1,204.4	1,147.3	57.09	21.095		
7,500.0	7,417.8	7,430.3	7,376.2	31.2	29.1	136.77	436.0	-706.4	1,209.5	1,152.1	57.41	21.069		
7,600.0	7,516.9	7,558.9	7,504.6	31.6	29.6	137.28	438.6	-710.7	1,221.9	1,163.7	58.29	20.963		
7,700.0	7,616.2	7,669.5	7,615.2	32.0	29.9	137.75	438.8	-711.1	1,230.6	1,171.5	59.04	20.844		
7,800.0	7,715.8	7,769.1	7,714.8	32.4	30.2	138.09	438.8	-711.1	1,237.1	1,177.4	59.72	20.715		
7,900.0	7,815.6	7,868.9	7,814.6	32.8	30.6	138.33	438.8	-711.1	1,241.7	1,181.3	60.39	20.561		
8,000.0	7,915.5	7,968.8	7,914.5	33.1	30.9	138.47	438.8	-711.1	1,244.4	1,183.3	61.06	20.381		
8,086.5	8,002.0	8,055.3	8,001.0	33.3	31.2	-0.68	438.8	-711.1	1,245.1	1,183.5	61.62	20.208		
8,100.0	8,015.5	8,068.8	8,014.5	33.4	31.2	-90.49	438.8	-711.1	1,245.1	1,183.4	61.70	20.180		
8,150.0	8,065.4	8,118.7	8,064.4	33.5	31.4	-90.64	438.8	-711.1	1,245.2	1,183.1	62.00	20.082		
8,200.0	8,114.8	8,168.1	8,113.8	33.6	31.5	-90.98	438.8	-711.1	1,245.3	1,183.0	62.29	19.990		
8,250.0	8,163.3	8,216.6	8,162.3	33.7	31.7	-91.49	438.8	-711.1	1,245.5	1,183.0	62.57	19.907		
8,300.0	8,210.6	8,263.9	8,209.6	33.8	31.8	-92.14	438.8	-711.1	1,246.1	1,183.2	62.83	19.833		
8,350.0	8,256.3	8,309.6	8,255.3	33.8	32.0	-92.89	438.8	-711.1	1,247.0	1,184.0	63.07	19.772		
8,400.0	8,300.1	8,353.4	8,299.1	33.9	32.1	-93.70	438.8	-711.1	1,248.6	1,185.3	63.30	19.726		
8,450.0	8,341.6	8,405.1	8,340.6	33.9	32.3	-94.51	438.8	-711.1	1,251.0	1,187.5	63.55	19.687		
8,500.0	8,380.6	8,433.8	8,379.6	33.9	32.4	-95.28	438.8	-711.1	1,254.5	1,190.8	63.71	19.690		
8,550.0	8,416.6	8,469.9	8,415.6	33.9	32.5	-95.95	438.8	-711.1	1,259.2	1,195.3	63.90	19.706		
8,600.0	8,449.5	8,502.7	8,448.5	33.9	32.6	-96.46	438.8	-711.1	1,265.4	1,201.3	64.07	19.748		
8,650.0	8,479.0	8,532.2	8,478.0	33.9	32.7	-96.75	438.8	-711.1	1,273.2	1,208.9	64.24	19.818		
8,700.0	8,504.8	8,558.1	8,503.8	33.9	32.8	-96.78	438.8	-711.1	1,282.8	1,218.4	64.40	19.918		
8,750.0	8,526.9	8,580.1	8,525.9	33.8	32.9	-96.50	438.8	-711.1	1,294.3	1,229.8	64.56	20.049		
8,800.0	8,544.9	8,601.9	8,543.9	33.8	32.9	-95.87	438.8	-711.1	1,307.8	1,243.1	64.72	20.208		
8,850.0	8,558.8	8,612.0	8,557.8	33.8	33.0	-94.86	438.8	-711.1	1,323.3	1,258.5	64.84	20.408		
8,900.0	8,568.4	8,621.7	8,567.4	33.7	33.0	-93.44	438.8	-711.1	1,340.7	1,275.8	64.97	20.636		
8,950.0	8,573.8	8,627.0	8,572.8	33.7	33.0	-91.60	438.8	-711.1	1,360.0	1,294.9	65.08	20.896		
8,986.5	8,575.0	8,628.2	8,574.0	33.7	33.0	-90.00	438.8	-711.1	1,375.0	1,309.9	65.16	21.104		
8,993.2	8,575.0	8,628.2	8,574.0	33.8	33.0	-90.00	438.8	-711.1	1,377.9	1,312.7	65.17	21.144		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
9,000.0	8,575.0	8,628.2	8,574.0	33.8	33.0	-90.00	438.8	-711.1	1,380.8	1,315.7	65.18	21.185		
9,100.0	8,575.0	8,628.2	8,574.0	33.9	33.0	-90.00	438.8	-711.1	1,427.1	1,361.7	65.39	21.824		
9,200.0	8,575.0	8,628.2	8,574.0	34.4	33.0	-90.00	438.8	-711.1	1,478.7	1,413.1	65.64	22.528		
9,300.0	8,575.0	8,628.2	8,574.0	35.3	33.0	-90.00	438.8	-711.1	1,535.1	1,469.2	65.91	23.292		
9,400.0	8,575.0	8,628.2	8,574.0	36.3	33.0	-90.00	438.8	-711.1	1,595.8	1,529.6	66.19	24.111		
9,500.0	8,575.0	8,628.2	8,574.0	37.6	33.0	-90.00	438.8	-711.1	1,660.3	1,593.9	66.46	24.980		
9,600.0	8,575.0	8,628.2	8,574.0	38.9	33.0	-90.00	438.8	-711.1	1,728.2	1,661.4	66.74	25.895		
9,700.0	8,575.0	8,628.2	8,574.0	40.4	33.0	-90.00	438.8	-711.1	1,799.1	1,732.1	67.00	26.850		
9,800.0	8,575.0	11,040.0	9,853.3	41.9	45.5	-134.12	515.8	673.3	1,837.7	1,770.6	67.10	27.387		
9,900.0	8,575.0	11,140.0	9,854.5	43.6	47.0	-134.15	515.9	773.3	1,838.5	1,769.0	69.45	26.474		
10,000.0	8,575.0	11,240.0	9,855.7	45.3	48.6	-134.18	516.1	873.3	1,839.3	1,767.4	71.90	25.581		
10,100.0	8,575.0	11,340.0	9,856.9	47.0	50.3	-134.20	516.2	973.3	1,840.2	1,765.7	74.46	24.715		
10,200.0	8,575.0	11,440.0	9,858.1	48.9	52.0	-134.23	516.3	1,073.3	1,841.0	1,763.9	77.10	23.879		
10,300.0	8,575.0	11,540.0	9,859.3	50.8	53.8	-134.26	516.4	1,173.3	1,841.9	1,762.0	79.82	23.075		
10,400.0	8,575.0	11,640.0	9,860.5	52.7	55.6	-134.28	516.5	1,273.2	1,842.7	1,760.1	82.61	22.306		
10,500.0	8,575.0	11,740.0	9,861.7	54.7	57.5	-134.31	516.7	1,373.2	1,843.5	1,758.1	85.46	21.571		
10,600.0	8,575.0	11,840.0	9,862.9	56.7	59.4	-134.34	516.8	1,473.2	1,844.4	1,756.0	88.38	20.870		
10,700.0	8,575.0	11,940.0	9,864.1	58.7	61.4	-134.36	516.9	1,573.2	1,845.2	1,753.9	91.34	20.202		
10,800.0	8,575.0	12,040.0	9,865.3	60.8	63.4	-134.39	517.0	1,673.2	1,846.1	1,751.7	94.34	19.567		
10,900.0	8,575.0	12,140.0	9,866.5	62.9	65.4	-134.42	517.1	1,773.2	1,846.9	1,749.5	97.39	18.963		
11,000.0	8,575.0	12,240.0	9,867.7	65.0	67.4	-134.44	517.3	1,873.1	1,847.8	1,747.3	100.48	18.389		
11,100.0	8,575.0	12,340.0	9,868.9	67.1	69.5	-134.47	517.4	1,973.1	1,848.6	1,745.0	103.60	17.844		
11,200.0	8,575.0	12,439.9	9,870.1	69.3	71.6	-134.50	517.5	2,073.1	1,849.5	1,742.7	106.75	17.325		
11,300.0	8,575.0	12,539.9	9,871.3	71.5	73.7	-134.52	517.6	2,173.1	1,850.3	1,740.4	109.93	16.832		
11,400.0	8,575.0	12,639.9	9,872.5	73.7	75.9	-134.55	517.7	2,273.1	1,851.1	1,738.0	113.13	16.363		
11,500.0	8,575.0	12,739.9	9,873.7	75.9	78.0	-134.57	517.9	2,373.1	1,852.0	1,735.6	116.36	15.917		
11,600.0	8,575.0	12,839.9	9,874.9	78.2	80.2	-134.60	518.0	2,473.1	1,852.8	1,733.2	119.60	15.492		
11,700.0	8,575.0	12,939.9	9,876.1	80.4	82.4	-134.63	518.1	2,573.0	1,853.7	1,730.8	122.87	15.087		
11,800.0	8,575.0	13,039.9	9,877.3	82.7	84.6	-134.65	518.2	2,673.0	1,854.5	1,728.4	126.15	14.701		
11,900.0	8,575.0	13,139.9	9,878.5	84.9	86.9	-134.68	518.4	2,773.0	1,855.4	1,725.9	129.45	14.333		
12,000.0	8,575.0	13,239.9	9,879.7	87.2	89.1	-134.71	518.5	2,873.0	1,856.2	1,723.5	132.76	13.982		
12,100.0	8,575.0	13,339.9	9,880.9	89.5	91.3	-134.73	518.6	2,973.0	1,857.1	1,721.0	136.08	13.647		
12,200.0	8,575.0	13,439.9	9,882.1	91.8	93.6	-134.76	518.7	3,073.0	1,857.9	1,718.5	139.42	13.326		
12,300.0	8,575.0	13,539.9	9,883.3	94.1	95.9	-134.78	518.8	3,173.0	1,858.8	1,716.0	142.76	13.020		
12,400.0	8,575.0	13,639.9	9,884.5	96.4	98.1	-134.81	519.0	3,272.9	1,859.6	1,713.5	146.12	12.727		
12,500.0	8,575.0	13,739.8	9,885.7	98.7	100.4	-134.84	519.1	3,372.9	1,860.5	1,711.0	149.49	12.446		
12,600.0	8,575.0	13,839.8	9,886.9	101.0	102.7	-134.86	519.2	3,472.9	1,861.3	1,708.5	152.86	12.177		
12,700.0	8,575.0	13,939.8	9,888.1	103.4	105.0	-134.89	519.3	3,572.9	1,862.2	1,705.9	156.24	11.919		
12,800.0	8,575.0	14,039.8	9,889.3	105.7	107.3	-134.91	519.4	3,672.9	1,863.0	1,703.4	159.63	11.671		
12,900.0	8,575.0	14,139.8	9,890.5	108.0	109.6	-134.94	519.6	3,772.9	1,863.9	1,700.9	163.02	11.433		
13,000.0	8,575.0	14,239.8	9,891.7	110.4	111.9	-134.97	519.7	3,872.9	1,864.7	1,698.3	166.42	11.205		
13,100.0	8,575.0	14,339.8	9,892.9	112.7	114.3	-134.99	519.8	3,972.8	1,865.6	1,695.8	169.83	10.985		
13,200.0	8,575.0	14,439.8	9,894.1	115.1	116.6	-135.02	519.9	4,072.8	1,866.4	1,693.2	173.24	10.774		
13,300.0	8,575.0	14,539.8	9,895.3	117.5	118.9	-135.04	520.0	4,172.8	1,867.3	1,690.6	176.65	10.571		
13,400.0	8,575.0	14,639.8	9,896.5	119.8	121.3	-135.07	520.2	4,272.8	1,868.2	1,688.1	180.07	10.375		
13,500.0	8,575.0	14,739.8	9,897.7	122.2	123.6	-135.10	520.3	4,372.8	1,869.0	1,685.5	183.49	10.186		
13,600.0	8,575.0	14,839.8	9,898.9	124.6	126.0	-135.12	520.4	4,472.8	1,869.9	1,682.9	186.91	10.004		
13,700.0	8,575.0	14,939.8	9,900.1	126.9	128.3	-135.15	520.5	4,572.8	1,870.7	1,680.4	190.34	9.828		
13,800.0	8,575.0	15,039.8	9,901.3	129.3	130.7	-135.17	520.6	4,672.7	1,871.6	1,677.8	193.77	9.659		
13,900.0	8,575.0	15,139.7	9,902.5	131.7	133.0	-135.20	520.8	4,772.7	1,872.4	1,675.2	197.20	9.495		
14,000.0	8,575.0	15,239.7	9,903.7	134.1	135.4	-135.22	520.9	4,872.7	1,873.3	1,672.6	200.64	9.337		
14,100.0	8,575.0	15,339.7	9,904.9	136.4	137.8	-135.25	521.0	4,972.7	1,874.1	1,670.1	204.07	9.184		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
14,200.0	8,575.0	15,439.7	9,906.1	138.8	140.1	-135.28	521.1	5,072.7	1,875.0	1,667.5	207.51	9.036		
14,300.0	8,575.0	15,539.7	9,907.3	141.2	142.5	-135.30	521.3	5,172.7	1,875.9	1,664.9	210.95	8.893		
14,400.0	8,575.0	15,639.7	9,908.5	143.6	144.9	-135.33	521.4	5,272.7	1,876.7	1,662.3	214.39	8.754		
14,500.0	8,575.0	15,739.7	9,909.7	146.0	147.3	-135.35	521.5	5,372.6	1,877.6	1,659.7	217.83	8.620		
14,600.0	8,575.0	15,839.7	9,910.9	148.4	149.6	-135.38	521.6	5,472.6	1,878.4	1,657.2	221.27	8.489		
14,700.0	8,575.0	15,939.7	9,912.1	150.8	152.0	-135.40	521.7	5,572.6	1,879.3	1,654.6	224.71	8.363		
14,800.0	8,575.0	16,039.7	9,913.3	153.2	154.4	-135.43	521.9	5,672.6	1,880.1	1,652.0	228.15	8.241		
14,900.0	8,575.0	16,139.7	9,914.5	155.6	156.8	-135.46	522.0	5,772.6	1,881.0	1,649.4	231.59	8.122		
15,000.0	8,575.0	16,239.7	9,915.7	158.0	159.2	-135.48	522.1	5,872.6	1,881.9	1,646.8	235.04	8.007		
15,100.0	8,575.0	16,339.7	9,916.9	160.4	161.6	-135.51	522.2	5,972.6	1,882.7	1,644.2	238.48	7.895		
15,200.0	8,575.0	16,439.7	9,918.1	162.8	164.0	-135.53	522.3	6,072.5	1,883.6	1,641.7	241.92	7.786		
15,300.0	8,575.0	16,539.6	9,919.3	165.2	166.4	-135.56	522.5	6,172.5	1,884.4	1,639.1	245.37	7.680		
15,400.0	8,575.0	16,639.6	9,920.5	167.6	168.8	-135.58	522.6	6,272.5	1,885.3	1,636.5	248.81	7.577		
15,500.0	8,575.0	16,739.6	9,921.7	170.0	171.2	-135.61	522.7	6,372.5	1,886.2	1,633.9	252.25	7.477		
15,600.0	8,575.0	16,839.6	9,922.9	172.5	173.6	-135.63	522.8	6,472.5	1,887.0	1,631.3	255.69	7.380		
15,700.0	8,575.0	16,939.6	9,924.1	174.9	176.0	-135.66	522.9	6,572.5	1,887.9	1,628.8	259.13	7.285		
15,800.0	8,575.0	17,039.6	9,925.3	177.3	178.4	-135.68	523.1	6,672.5	1,888.8	1,626.2	262.58	7.193		
15,900.0	8,575.0	17,139.6	9,926.5	179.7	180.8	-135.71	523.2	6,772.4	1,889.6	1,623.6	266.02	7.103		
16,000.0	8,575.0	17,239.6	9,927.7	182.1	183.2	-135.73	523.3	6,872.4	1,890.5	1,621.0	269.45	7.016		
16,100.0	8,575.0	17,339.6	9,928.9	184.5	185.6	-135.76	523.4	6,972.4	1,891.3	1,618.5	272.89	6.931		
16,200.0	8,575.0	17,439.6	9,930.1	187.0	188.0	-135.79	523.6	7,072.4	1,892.2	1,615.9	276.33	6.848		
16,300.0	8,575.0	17,539.6	9,931.3	189.4	190.4	-135.81	523.7	7,172.4	1,893.1	1,613.3	279.77	6.767		
16,400.0	8,575.0	17,639.6	9,932.5	191.8	192.8	-135.84	523.8	7,272.4	1,893.9	1,610.7	283.20	6.688		
16,500.0	8,575.0	17,739.6	9,933.7	194.2	195.2	-135.86	523.9	7,372.4	1,894.8	1,608.2	286.64	6.610		
16,600.0	8,575.0	17,839.6	9,934.9	196.6	197.6	-135.89	524.0	7,472.3	1,895.7	1,605.6	290.07	6.535		
16,700.0	8,575.0	17,939.5	9,936.1	199.1	200.0	-135.91	524.2	7,572.3	1,896.5	1,603.0	293.50	6.462		
16,800.0	8,575.0	18,039.5	9,937.3	201.5	202.5	-135.94	524.3	7,672.3	1,897.4	1,600.5	296.93	6.390		
16,900.0	8,575.0	18,139.5	9,938.5	203.9	204.9	-135.96	524.4	7,772.3	1,898.3	1,597.9	300.36	6.320		
17,000.0	8,575.0	18,239.5	9,939.7	206.3	207.3	-135.99	524.5	7,872.3	1,899.1	1,595.3	303.79	6.251		
17,100.0	8,575.0	18,339.5	9,940.9	208.8	209.7	-136.01	524.6	7,972.3	1,900.0	1,592.8	307.22	6.185		
17,200.0	8,575.0	18,439.5	9,942.1	211.2	212.1	-136.04	524.8	8,072.3	1,900.9	1,590.2	310.65	6.119		
17,300.0	8,575.0	18,539.5	9,943.3	213.6	214.5	-136.06	524.9	8,172.2	1,901.7	1,587.7	314.07	6.055		
17,400.0	8,575.0	18,639.5	9,944.5	216.0	217.0	-136.09	525.0	8,272.2	1,902.6	1,585.1	317.49	5.993		
17,500.0	8,575.0	18,739.5	9,945.7	218.5	219.4	-136.11	525.1	8,372.2	1,903.5	1,582.6	320.92	5.931		
17,600.0	8,575.0	18,839.5	9,946.9	220.9	221.8	-136.14	525.2	8,472.2	1,904.4	1,580.0	324.34	5.872		
17,700.0	8,575.0	18,939.5	9,948.1	223.3	224.2	-136.16	525.4	8,572.2	1,905.2	1,577.5	327.75	5.813		
17,800.0	8,575.0	19,039.5	9,949.3	225.8	226.7	-136.19	525.5	8,672.2	1,906.1	1,574.9	331.17	5.756		
17,900.0	8,575.0	19,139.5	9,950.5	228.2	229.1	-136.21	525.6	8,772.1	1,907.0	1,572.4	334.59	5.699		
18,000.0	8,575.0	19,239.5	9,951.7	230.6	231.5	-136.24	525.7	8,872.1	1,907.8	1,569.8	338.00	5.644		
18,100.0	8,575.0	19,339.4	9,952.9	233.0	233.9	-136.26	525.9	8,972.1	1,908.7	1,567.3	341.41	5.591		
18,200.0	8,575.0	19,439.4	9,954.1	235.5	236.4	-136.28	526.0	9,072.1	1,909.6	1,564.8	344.82	5.538		
18,300.0	8,575.0	19,539.4	9,955.3	237.9	238.8	-136.31	526.1	9,172.1	1,910.4	1,562.2	348.23	5.486		
18,400.0	8,575.0	19,639.4	9,956.5	240.3	241.2	-136.33	526.2	9,272.1	1,911.3	1,559.7	351.64	5.436		
18,500.0	8,575.0	19,739.4	9,957.7	242.8	243.6	-136.36	526.3	9,372.1	1,912.2	1,557.2	355.04	5.386		
18,600.0	8,575.0	19,839.4	9,958.9	245.2	246.1	-136.38	526.5	9,472.0	1,913.1	1,554.6	358.44	5.337		
18,700.0	8,575.0	19,939.4	9,960.2	247.6	248.5	-136.41	526.6	9,572.0	1,913.9	1,552.1	361.85	5.289		
18,800.0	8,575.0	20,039.4	9,961.4	250.1	250.9	-136.43	526.7	9,672.0	1,914.8	1,549.6	365.24	5.243		
18,900.0	8,575.0	20,139.4	9,962.6	252.5	253.4	-136.46	526.8	9,772.0	1,915.7	1,547.0	368.64	5.197		
19,000.0	8,575.0	20,239.4	9,963.8	255.0	255.8	-136.48	526.9	9,872.0	1,916.6	1,544.5	372.04	5.152		
19,100.0	8,575.0	20,339.4	9,965.0	257.4	258.2	-136.51	527.1	9,972.0	1,917.4	1,542.0	375.43	5.107		
19,200.0	8,575.0	20,439.4	9,966.2	259.8	260.6	-136.53	527.2	10,072.0	1,918.3	1,539.5	378.82	5.064		
19,300.0	8,575.0	20,539.4	9,967.4	262.3	263.1	-136.56	527.3	10,171.9	1,919.2	1,537.0	382.21	5.021		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design Simon Camamile Fed Com - Simon Camamile Fed Com #205H - 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	
19,400.0	8,575.0	20,639.4	9,968.6	264.7	265.5	-136.58	527.4	10,271.9	1,920.1	1,534.5	385.60	4.979	
19,500.0	8,575.0	20,739.3	9,969.8	267.1	267.9	-136.60	527.5	10,371.9	1,920.9	1,532.0	388.99	4.938	
19,600.0	8,575.0	20,839.3	9,971.0	269.6	270.4	-136.63	527.7	10,471.9	1,921.8	1,529.4	392.37	4.898	
19,700.0	8,575.0	20,939.3	9,972.2	272.0	272.8	-136.65	527.8	10,571.9	1,922.7	1,526.9	395.76	4.858	
19,800.0	8,575.0	21,039.3	9,973.4	274.5	275.2	-136.68	527.9	10,671.9	1,923.6	1,524.4	399.14	4.819	
19,900.0	8,575.0	21,139.3	9,974.6	276.9	277.7	-136.70	528.0	10,771.9	1,924.4	1,521.9	402.51	4.781	
20,000.0	8,575.0	21,239.3	9,975.8	279.3	280.1	-136.73	528.2	10,871.8	1,925.3	1,519.4	405.89	4.743	
20,100.0	8,575.0	21,339.3	9,977.0	281.8	282.5	-136.75	528.3	10,971.8	1,926.2	1,516.9	409.27	4.706	
20,200.0	8,575.0	21,439.3	9,978.2	284.2	285.0	-136.78	528.4	11,071.8	1,927.1	1,514.4	412.64	4.670	
20,300.0	8,575.0	21,539.3	9,979.4	286.6	287.4	-136.80	528.5	11,171.8	1,928.0	1,512.0	416.01	4.634	
20,400.0	8,575.0	21,639.3	9,980.6	289.1	289.9	-136.82	528.6	11,271.8	1,928.8	1,509.5	419.38	4.599	
20,500.0	8,575.0	21,739.3	9,981.8	291.5	292.3	-136.85	528.8	11,371.8	1,929.7	1,507.0	422.74	4.565	
20,600.0	8,575.0	21,839.3	9,983.0	294.0	294.7	-136.87	528.9	11,471.8	1,930.6	1,504.5	426.11	4.531	
20,700.0	8,575.0	21,939.3	9,984.2	296.4	297.2	-136.90	529.0	11,571.7	1,931.5	1,502.0	429.47	4.497	
20,800.0	8,575.0	22,039.3	9,985.4	298.9	299.6	-136.92	529.1	11,671.7	1,932.4	1,499.5	432.83	4.464	
20,900.0	8,575.0	22,139.2	9,986.6	301.3	302.0	-136.94	529.2	11,771.7	1,933.2	1,497.1	436.19	4.432	
21,000.0	8,575.0	22,239.2	9,987.8	303.7	304.5	-136.97	529.4	11,871.7	1,934.1	1,494.6	439.54	4.400	
21,100.0	8,575.0	22,339.2	9,989.0	306.2	306.9	-136.99	529.5	11,971.7	1,935.0	1,492.1	442.90	4.369	
21,200.0	8,575.0	22,439.2	9,990.2	308.6	309.3	-137.02	529.6	12,071.7	1,935.9	1,489.6	446.25	4.338	
21,213.6	8,575.0	22,452.8	9,990.3	309.0	309.7	-137.02	529.6	12,085.2	1,936.0	1,489.3	446.70	4.334 SF	

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



## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 176-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	-90.44	-0.2	-30.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.2	-90.62	-0.3	-30.0	30.0	29.7	0.28	107.802		
190.9	190.9	191.0	190.9	0.5	0.3	-91.12	-0.6	-30.0	30.0	29.2	0.74	40.448		
200.0	200.0	200.0	200.0	0.5	0.4	-91.19	-0.6	-30.0	30.0	29.1	0.84	35.817		
300.0	300.0	299.8	299.8	0.8	0.7	-92.10	-1.1	-30.3	30.4	28.8	1.55	19.576		
400.0	400.0	399.5	399.5	1.2	1.1	-93.18	-1.7	-31.4	31.5	29.2	2.27	13.905		
500.0	500.0	498.6	498.5	1.6	1.4	-94.28	-2.6	-34.4	34.5	31.5	2.99	11.558		
600.0	600.0	597.8	597.6	1.9	1.8	-94.93	-3.4	-39.6	39.9	36.2	3.70	10.761		
700.0	700.0	697.3	696.9	2.3	2.1	-95.67	-4.6	-46.0	46.3	41.9	4.42	10.492		
800.0	800.0	797.1	796.4	2.6	2.5	-96.08	-5.6	-52.7	53.1	48.0	5.13	10.354		
900.0	900.0	896.6	895.7	3.0	2.9	-96.26	-6.5	-59.4	59.9	54.1	5.84	10.264		
1,000.0	1,000.0	995.8	994.7	3.4	3.2	-97.82	-9.2	-66.6	67.5	60.9	6.55	10.293		
1,100.0	1,100.0	1,095.6	1,094.0	3.7	3.6	38.98	-14.6	-73.9	73.9	66.6	7.25	10.187		
1,200.0	1,199.7	1,195.5	1,193.5	4.0	4.0	39.15	-19.8	-81.2	76.9	68.9	7.95	9.674		
1,300.0	1,299.1	1,296.7	1,294.3	4.4	4.4	41.62	-24.7	-87.9	75.9	67.2	8.66	8.767		
1,372.0	1,370.4	1,369.7	1,367.2	4.6	4.7	44.62	-28.6	-91.4	72.1	62.9	9.18	7.850		
1,400.0	1,398.0	1,398.1	1,395.5	4.7	4.8	45.98	-30.3	-92.5	70.0	60.6	9.38	7.457		
1,500.0	1,496.7	1,497.7	1,494.8	5.1	5.1	51.42	-36.2	-95.7	62.6	52.4	10.12	6.181		
1,600.0	1,595.4	1,597.2	1,594.2	5.5	5.5	58.33	-42.0	-98.8	55.7	44.8	10.88	5.119		
1,700.0	1,694.1	1,696.8	1,693.5	5.9	5.9	67.03	-47.8	-101.8	49.8	38.2	11.67	4.271		
1,800.0	1,792.7	1,796.4	1,792.9	6.3	6.2	76.52	-54.5	-105.1	45.2	32.7	12.47	3.624		
1,900.0	1,891.4	1,896.7	1,892.6	6.7	6.6	84.07	-64.2	-109.2	40.9	27.7	13.27	3.084		
2,000.0	1,990.1	1,997.4	1,992.3	7.1	7.0	88.35	-77.6	-113.7	35.4	21.3	14.07	2.516		
2,100.0	2,088.8	2,097.3	2,090.8	7.5	7.4	90.04	-93.6	-118.2	28.4	13.5	14.88	1.907		
2,200.0	2,187.5	2,196.9	2,189.2	7.9	7.8	96.40	-108.4	-122.0	21.6	5.9	15.69	1.378 Level 3		
2,300.0	2,286.2	2,296.1	2,287.8	8.3	8.2	121.16	-119.9	-123.2	17.4	1.1	16.30	1.067 Level 2		
2,306.6	2,292.7	2,302.7	2,294.3	8.4	8.2	123.64	-120.5	-123.1	17.4	1.1	16.32	1.064 Level 2, CC, ES, SF		
2,400.0	2,384.9	2,394.3	2,385.7	8.8	8.5	156.69	-126.8	-121.3	22.9	6.3	16.58	1.379 Level 3		
2,500.0	2,483.5	2,491.3	2,482.5	9.2	8.9	174.45	-129.6	-116.7	38.3	21.2	17.09	2.240		
2,600.0	2,582.2	2,588.0	2,579.0	9.6	9.2	-179.76	-128.7	-110.9	58.8	41.1	17.71	3.318		
2,700.0	2,680.9	2,686.1	2,677.0	10.1	9.4	-179.20	-125.4	-106.8	80.1	61.7	18.40	4.354		
2,800.0	2,779.6	2,784.8	2,775.5	10.5	9.7	179.74	-121.2	-105.2	100.5	81.4	19.10	5.263		
2,900.0	2,878.3	2,882.5	2,873.2	10.9	10.1	179.22	-117.3	-103.5	120.8	101.0	19.78	6.106		
3,000.0	2,977.0	2,980.6	2,971.2	11.3	10.4	179.06	-113.8	-101.3	141.0	120.6	20.46	6.892		
3,100.0	3,075.7	3,079.0	3,069.6	11.8	10.7	179.04	-110.6	-99.0	161.1	139.9	21.16	7.612		
3,200.0	3,174.3	3,177.5	3,168.0	12.2	11.0	179.01	-107.6	-97.0	180.8	159.0	21.86	8.272		
3,300.0	3,273.0	3,276.5	3,266.9	12.6	11.3	179.11	-105.1	-94.8	200.3	177.7	22.57	8.874		
3,400.0	3,371.7	3,376.0	3,366.4	13.1	11.6	179.22	-103.2	-92.9	219.1	195.8	23.28	9.412		
3,500.0	3,470.4	3,474.9	3,465.2	13.5	12.0	179.37	-101.7	-91.2	237.5	213.5	23.99	9.900		
3,600.0	3,569.1	3,574.7	3,565.0	14.0	12.3	179.46	-100.3	-89.8	255.6	230.9	24.71	10.345		
3,700.0	3,667.8	3,673.6	3,663.9	14.4	12.6	179.52	-99.3	-88.7	273.2	247.8	25.42	10.748		
3,800.0	3,766.5	3,774.0	3,764.3	14.8	13.0	179.61	-98.6	-87.8	290.5	264.3	26.14	11.111		
3,900.0	3,865.1	3,873.8	3,864.1	15.3	13.3	179.63	-98.3	-87.5	307.1	280.3	26.86	11.433		
4,000.0	3,963.8	3,971.0	3,961.2	15.7	13.6	179.61	-97.7	-87.2	323.9	296.3	27.56	11.753		
4,100.0	4,062.5	4,069.1	4,059.3	16.1	14.0	179.56	-96.8	-87.0	340.9	312.6	28.26	12.062		
4,200.0	4,161.2	4,183.2	4,173.5	16.6	14.4	179.49	-97.3	-88.2	356.0	326.9	29.10	12.234		
4,300.0	4,259.9	4,297.8	4,287.8	17.0	14.8	179.50	-102.7	-92.9	365.9	336.0	29.90	12.238		
4,400.0	4,358.6	4,401.7	4,391.4	17.5	15.2	179.55	-108.9	-97.9	374.5	343.9	30.64	12.223		
4,500.0	4,457.3	4,515.5	4,504.6	17.9	15.6	179.78	-119.1	-104.8	379.9	348.6	31.38	12.107		
4,600.0	4,555.9	4,631.9	4,619.7	18.3	16.0	179.71	-131.5	-116.1	381.7	349.6	32.08	11.899		
4,700.0	4,654.6	4,743.2	4,729.1	18.8	16.5	179.36	-145.4	-131.1	379.6	346.8	32.75	11.590		
4,800.0	4,753.3	4,847.3	4,831.1	19.2	16.9	179.01	-159.9	-146.6	375.4	342.0	33.45	11.223		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 176-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		
4,900.0	4,852.0	4,945.9	4,927.5	19.7	17.3	178.73	-174.2	-161.2	370.9	336.7	34.20	10.846		
5,000.0	4,950.7	5,040.6	5,020.4	20.1	17.7	178.51	-187.5	-174.5	367.3	332.3	34.97	10.504		
5,100.0	5,049.4	5,139.8	5,117.9	20.6	18.1	178.32	-200.4	-187.2	365.2	329.5	35.71	10.228		
5,200.0	5,148.1	5,255.1	5,230.5	21.0	18.6	178.31	-219.0	-203.1	360.0	323.7	36.32	9.911		
5,300.0	5,246.7	5,355.8	5,328.4	21.4	19.0	178.39	-237.3	-218.0	352.6	315.5	37.05	9.517		
5,400.0	5,345.4	5,450.5	5,420.7	21.9	19.4	178.47	-253.9	-231.4	346.1	308.2	37.84	9.146		
5,500.0	5,444.1	5,545.3	5,513.3	22.3	19.9	178.60	-269.5	-243.7	341.2	302.5	38.62	8.833		
5,600.0	5,542.8	5,649.1	5,614.9	22.8	20.3	178.75	-286.2	-256.8	336.9	297.6	39.33	8.566		
5,700.0	5,641.5	5,755.2	5,718.4	23.2	20.8	178.92	-304.9	-271.5	330.5	290.5	40.00	8.261		
5,800.0	5,740.2	5,854.6	5,815.0	23.7	21.2	178.91	-322.5	-286.6	323.1	282.4	40.75	7.930		
5,900.0	5,838.9	5,952.6	5,910.3	24.1	21.7	178.57	-338.4	-302.6	316.3	274.8	41.52	7.618		
6,000.0	5,937.5	6,048.1	6,003.5	24.5	22.1	178.16	-352.9	-317.9	310.4	268.1	42.31	7.336		
6,100.0	6,036.2	6,161.3	6,113.5	25.0	22.6	177.51	-370.9	-337.6	303.2	260.3	42.87	7.072		
6,200.0	6,134.9	6,258.5	6,207.5	25.4	23.1	176.73	-387.1	-356.3	294.1	250.4	43.66	6.735		
6,300.0	6,233.6	6,349.9	6,296.3	25.9	23.5	176.05	-401.3	-372.6	286.8	242.3	44.54	6.439		
6,400.0	6,332.3	6,443.5	6,387.8	26.3	23.9	175.63	-414.9	-386.7	282.3	236.9	45.37	6.222		
6,500.0	6,431.0	6,544.7	6,487.0	26.8	24.4	175.65	-430.5	-399.6	278.4	232.3	46.10	6.038		
6,600.0	6,529.6	6,644.4	6,584.6	27.2	24.9	176.16	-447.3	-410.5	274.4	227.6	46.85	5.857		
6,700.0	6,628.3	6,745.4	6,683.6	27.6	25.3	176.94	-465.2	-420.7	270.2	222.6	47.57	5.680		
6,800.0	6,727.0	6,850.4	6,786.2	28.1	25.8	177.67	-484.1	-432.2	265.4	217.1	48.25	5.500		
6,900.0	6,825.7	6,954.8	6,887.5	28.5	26.3	178.57	-505.5	-445.0	257.6	208.7	48.92	5.266		
7,000.0	6,924.4	7,049.0	6,979.1	29.0	26.7	179.69	-525.4	-455.4	250.4	200.6	49.77	5.030		
7,100.0	7,023.1	7,145.7	7,073.5	29.4	27.2	-178.98	-544.2	-464.2	245.8	195.2	50.58	4.859		
7,200.0	7,121.8	7,256.2	7,181.2	29.9	27.7	-178.25	-564.6	-477.9	239.9	188.8	51.15	4.690		
7,300.0	7,220.4	7,358.2	7,279.7	30.3	28.2	-178.79	-582.8	-496.9	230.0	178.2	51.84	4.437		
7,400.0	7,319.1	7,449.7	7,368.5	30.7	28.7	-179.12	-598.7	-512.5	221.8	169.0	52.78	4.202		
7,466.5	7,384.7	7,510.2	7,427.6	31.0	28.9	-179.07	-608.4	-520.6	218.6	165.2	53.37	4.095		
7,500.0	7,417.8	7,540.8	7,457.6	31.2	29.1	-179.02	-612.9	-524.3	217.5	163.8	53.66	4.053		
7,600.0	7,516.9	7,640.4	7,555.7	31.6	29.5	-178.80	-626.8	-535.4	213.6	159.2	54.41	3.925		
7,700.0	7,616.2	7,750.5	7,663.4	32.0	30.1	-179.03	-643.1	-550.9	204.5	149.5	54.97	3.719		
7,800.0	7,715.8	7,848.3	7,758.7	32.4	30.5	179.99	-657.6	-567.9	190.4	134.7	55.73	3.417		
7,900.0	7,815.6	7,940.8	7,849.1	32.8	31.0	179.01	-670.0	-582.6	176.0	119.4	56.58	3.111		
8,000.0	7,915.5	8,041.7	7,948.0	33.1	31.4	178.16	-683.8	-597.2	159.8	102.5	57.26	2.791		
8,086.5	8,002.0	8,126.2	8,030.8	33.3	31.8	38.47	-696.3	-608.9	143.3	85.4	57.87	2.476		
8,100.0	8,015.5	8,139.1	8,043.3	33.4	31.9	-51.67	-698.2	-610.6	140.5	82.5	57.98	2.423		
8,150.0	8,065.4	8,186.4	8,089.8	33.5	32.1	-54.12	-705.0	-616.8	128.8	70.5	58.35	2.208		
8,200.0	8,114.8	8,233.0	8,135.6	33.6	32.3	-58.90	-711.2	-622.9	115.3	56.6	58.77	1.963		
8,250.0	8,163.3	8,278.5	8,180.3	33.7	32.5	-66.81	-717.1	-628.7	100.9	41.6	59.37	1.700		
8,300.0	8,210.6	8,322.5	8,223.7	33.8	32.7	-78.69	-722.5	-634.1	87.6	27.1	60.53	1.448 Level 3		
8,350.0	8,256.3	8,364.8	8,265.3	33.8	32.9	-94.43	-727.5	-639.3	79.1	16.4	62.72	1.261 Level 3		
8,369.9	8,274.1	8,381.0	8,281.3	33.9	33.0	-101.30	-729.3	-641.3	78.2	14.4	63.84	1.225 Level 2		
8,400.0	8,300.1	8,409.2	8,304.8	33.9	33.1	-111.50	-732.1	-644.1	80.5	15.0	65.45	1.229 Level 2		
8,450.0	8,341.6	8,442.4	8,341.9	33.9	33.3	-126.39	-736.3	-648.6	94.4	27.4	66.98	1.410 Level 3		
8,500.0	8,380.6	8,477.1	8,376.1	33.9	33.4	-137.34	-740.2	-652.7	119.1	51.9	67.24	1.771		
8,550.0	8,416.6	8,508.6	8,407.2	33.9	33.5	-144.74	-743.8	-656.5	151.3	84.3	67.01	2.257		
8,600.0	8,449.5	8,537.4	8,435.6	33.9	33.7	-149.56	-747.0	-659.8	188.5	121.8	66.75	2.825		
8,650.0	8,479.0	8,562.9	8,460.8	33.9	33.8	-152.34	-749.7	-662.6	229.5	162.9	66.54	3.448		
8,700.0	8,504.8	8,584.8	8,482.4	33.9	33.9	-153.41	-752.0	-664.9	273.1	206.7	66.38	4.114		
8,750.0	8,526.9	8,602.8	8,500.3	33.8	33.9	-152.71	-753.8	-666.7	318.9	252.6	66.27	4.812		
8,800.0	8,544.9	8,616.5	8,513.8	33.8	34.0	-149.37	-755.1	-668.1	366.4	300.2	66.18	5.536		
8,850.0	8,558.8	8,626.0	8,523.3	33.8	34.0	-141.20	-756.0	-669.0	415.0	348.9	66.11	6.277		
8,900.0	8,568.4	8,631.1	8,528.3	33.7	34.1	-120.71	-756.5	-669.5	464.3	398.3	66.04	7.032		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 176-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		
8,950.0	8,573.8	8,631.7	8,528.9	33.7	34.1	-75.90	-756.6	-669.6	514.1	448.1	65.97	7.792		
8,986.5	8,575.0	8,629.1	8,526.3	33.7	34.1	-45.67	-756.3	-669.3	550.3	484.4	65.92	8.348		
8,993.2	8,575.0	8,628.4	8,525.6	33.8	34.1	-44.55	-756.3	-669.2	557.0	491.0	65.91	8.450		
9,000.0	8,575.0	8,627.7	8,524.9	33.8	34.1	-44.18	-756.2	-669.2	563.7	497.8	65.90	8.554		
9,100.0	8,575.0	8,617.0	8,514.4	33.9	34.0	-39.33	-755.2	-668.1	663.0	597.2	65.78	10.079		
9,200.0	8,575.0	8,606.4	8,503.9	34.4	34.0	-35.48	-754.1	-667.1	762.3	696.6	65.69	11.605		
9,300.0	8,575.0	8,594.6	8,492.2	35.3	33.9	-32.07	-753.0	-665.9	861.7	796.1	65.60	13.135		
9,400.0	8,575.0	8,582.3	8,480.0	36.3	33.9	-29.22	-751.7	-664.6	961.0	895.5	65.53	14.667		
9,500.0	8,575.0	8,569.4	8,467.2	37.6	33.8	-26.82	-750.4	-663.3	1,060.4	994.9	65.45	16.200		
9,600.0	8,575.0	8,555.9	8,453.9	38.9	33.7	-24.78	-748.9	-661.8	1,159.7	1,094.3	65.39	17.736		
9,700.0	8,575.0	10,980.9	9,832.9	40.4	43.8	-179.34	-788.8	577.2	1,258.1	1,227.4	30.69	40.997		
9,800.0	8,575.0	11,063.1	9,834.3	41.9	45.0	-179.44	-791.1	659.4	1,259.8	1,228.3	31.52	39.963		
9,900.0	8,575.0	11,134.8	9,836.9	43.6	46.1	-179.50	-792.3	731.1	1,263.3	1,231.0	32.31	39.099		
10,000.0	8,575.0	11,259.3	9,842.5	45.3	48.1	-179.58	-793.8	855.4	1,268.0	1,234.3	33.76	37.565		
10,100.0	8,575.0	11,409.0	9,842.0	47.0	50.6	-179.77	-797.8	1,005.0	1,267.1	1,231.5	35.64	35.550		
10,200.0	8,575.0	11,503.5	9,841.3	48.9	52.3	-179.85	-799.6	1,099.6	1,266.4	1,229.6	36.77	34.442		
10,300.0	8,575.0	11,601.8	9,840.6	50.8	54.0	-179.92	-801.0	1,197.8	1,265.6	1,227.6	37.98	33.320		
10,355.6	8,575.0	11,647.5	9,840.4	51.8	54.9	-179.96	-801.7	1,243.5	1,265.4	1,226.9	38.53	32.844		
10,400.0	8,575.0	11,674.6	9,840.6	52.7	55.4	-179.97	-802.0	1,270.7	1,265.8	1,227.0	38.83	32.599		
10,500.0	8,575.0	11,737.0	9,842.5	54.7	56.6	-180.00	-802.4	1,333.0	1,268.9	1,229.3	39.59	32.048		
10,600.0	8,575.0	11,809.3	9,846.6	56.7	58.0	-179.99	-802.6	1,405.1	1,274.5	1,233.9	40.56	31.425		
10,700.0	8,575.0	12,057.0	9,848.1	58.7	62.9	179.88	-804.7	1,652.7	1,274.6	1,230.5	44.16	28.863		
10,800.0	8,575.0	12,143.7	9,844.3	60.8	64.6	179.81	-806.3	1,739.2	1,270.2	1,225.0	45.25	28.073		
10,900.0	8,575.0	12,199.0	9,842.3	62.9	65.7	179.78	-806.8	1,794.5	1,267.4	1,221.5	45.83	27.652		
10,942.6	8,575.0	12,237.4	9,841.7	63.8	66.5	179.77	-807.1	1,832.9	1,266.8	1,220.4	46.35	27.331		
11,000.0	8,575.0	12,265.6	9,842.0	65.0	67.1	179.76	-807.3	1,861.1	1,267.4	1,220.8	46.68	27.154		
11,100.0	8,575.0	12,350.5	9,845.3	67.1	68.9	179.72	-808.0	1,945.9	1,271.1	1,223.3	47.83	26.576		
11,200.0	8,575.0	12,424.6	9,848.0	69.3	70.4	179.65	-809.4	2,020.0	1,275.0	1,226.1	48.84	26.108		
11,300.0	8,575.0	12,482.0	9,852.4	71.5	71.7	179.66	-809.3	2,077.2	1,282.4	1,232.8	49.66	25.824		
11,400.0	8,575.0	12,561.1	9,860.3	73.7	73.3	179.70	-808.3	2,155.8	1,292.4	1,241.6	50.81	25.435		
11,500.0	8,575.0	12,711.2	9,872.3	75.9	76.6	179.77	-806.6	2,305.4	1,300.1	1,247.2	52.93	24.562		
11,600.0	8,575.0	12,796.6	9,878.4	78.2	78.4	179.86	-804.6	2,390.6	1,307.2	1,253.0	54.18	24.128		
11,700.0	8,575.0	12,881.4	9,885.3	80.4	80.3	179.99	-801.5	2,475.1	1,315.4	1,260.0	55.44	23.728		
11,800.0	8,575.0	12,966.9	9,893.3	82.7	82.1	-179.86	-797.9	2,560.1	1,324.7	1,268.0	56.71	23.358		
11,900.0	8,575.0	13,250.2	9,905.1	84.9	88.4	-179.74	-794.7	2,842.7	1,331.2	1,270.2	61.02	21.816		
12,000.0	8,575.0	13,298.0	9,904.6	87.2	89.5	-179.77	-795.4	2,890.5	1,329.6	1,268.0	61.62	21.577		
12,000.6	8,575.0	13,298.3	9,904.6	87.2	89.5	-179.77	-795.4	2,890.8	1,329.6	1,268.0	61.63	21.575		
12,100.0	8,575.0	13,385.8	9,905.6	89.5	91.5	-179.83	-796.6	2,978.2	1,330.7	1,267.9	62.88	21.164		
12,200.0	8,575.0	13,573.0	9,899.2	91.8	95.7	180.00	-800.5	3,165.3	1,326.4	1,260.7	65.70	20.189		
12,300.0	8,575.0	13,675.7	9,893.7	94.1	98.0	179.76	-805.7	3,267.7	1,321.0	1,253.9	67.15	19.673		
12,400.0	8,575.0	13,766.4	9,888.5	96.4	100.1	179.49	-812.0	3,358.0	1,315.3	1,246.9	68.41	19.228		
12,500.0	8,575.0	13,845.1	9,885.0	98.7	101.9	179.28	-816.6	3,436.4	1,310.9	1,241.4	69.51	18.860		
12,600.0	8,575.0	13,923.1	9,882.9	101.0	103.7	179.21	-818.1	3,514.5	1,308.2	1,237.6	70.63	18.522		
12,700.0	8,575.0	14,008.6	9,881.9	103.4	105.7	179.21	-818.0	3,599.9	1,307.1	1,235.2	71.89	18.181		
12,791.8	8,575.0	14,090.8	9,881.4	105.5	107.6	179.24	-817.2	3,682.1	1,306.6	1,233.5	73.12	17.869		
12,800.0	8,575.0	14,096.7	9,881.4	105.7	107.7	179.24	-817.2	3,688.0	1,306.6	1,233.4	73.21	17.848		
12,900.0	8,575.0	14,171.3	9,882.4	108.0	109.4	179.32	-815.3	3,762.6	1,307.8	1,233.5	74.31	17.600		
13,000.0	8,575.0	14,271.3	9,884.5	110.4	111.7	179.49	-811.2	3,862.5	1,309.8	1,234.0	75.83	17.272		
13,100.0	8,575.0	14,357.5	9,886.8	112.7	113.7	179.70	-806.5	3,948.5	1,312.6	1,235.4	77.15	17.014		
13,200.0	8,575.0	14,457.4	9,890.0	115.1	116.0	179.87	-802.5	4,048.3	1,315.7	1,237.0	78.69	16.720		
13,300.0	8,575.0	14,551.0	9,893.3	117.5	118.2	179.96	-800.3	4,141.8	1,319.3	1,239.1	80.11	16.468		
13,400.0	8,575.0	14,665.4	9,896.6	119.8	120.9	179.96	-800.2	4,256.1	1,322.1	1,240.2	81.86	16.151		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 176-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	8,575.0	14,750.5	9,899.1	122.2	122.9	179.93	-800.8	4,341.2	1,325.0	1,241.9	83.12	15.942		
13,600.0	8,575.0	14,947.7	9,901.6	124.6	127.5	179.78	-804.0	4,538.2	1,327.5	1,241.4	86.15	15.409		
13,700.0	8,575.0	15,047.5	9,898.3	126.9	129.9	179.68	-806.1	4,637.9	1,324.2	1,236.6	87.64	15.110		
13,800.0	8,575.0	15,147.4	9,894.3	129.3	132.2	179.64	-806.9	4,737.8	1,320.2	1,231.1	89.15	14.809		
13,900.0	8,575.0	15,237.2	9,891.6	131.7	134.3	179.66	-806.3	4,827.5	1,317.2	1,226.7	90.51	14.553		
14,000.0	8,575.0	15,317.4	9,889.5	134.1	136.2	179.70	-805.3	4,907.6	1,314.7	1,222.9	91.74	14.331		
14,038.4	8,575.0	15,338.4	9,889.4	135.0	136.7	179.72	-804.8	4,928.7	1,314.4	1,222.4	92.05	14.279		
14,100.0	8,575.0	15,384.0	9,890.0	136.4	137.8	179.79	-803.1	4,974.2	1,315.2	1,222.4	92.74	14.181		
14,200.0	8,575.0	15,420.6	9,891.7	138.8	138.7	179.87	-801.4	5,010.7	1,319.1	1,225.9	93.19	14.155		
14,300.0	8,575.0	15,478.0	9,896.6	141.2	140.0	179.98	-798.7	5,067.9	1,327.2	1,233.3	93.96	14.126		
14,400.0	8,575.0	15,522.4	9,902.0	143.6	141.1	-179.96	-797.3	5,112.0	1,338.9	1,244.5	94.41	14.181		
14,500.0	8,575.0	15,582.1	9,910.8	146.0	142.5	-179.96	-797.3	5,171.0	1,353.7	1,258.6	95.12	14.232		
14,600.0	8,575.0	15,652.2	9,922.9	148.4	144.1	179.88	-800.8	5,240.0	1,371.0	1,275.0	95.99	14.282		
14,700.0	8,575.0	15,814.2	9,949.6	150.8	147.9	179.18	-817.6	5,398.8	1,388.1	1,289.3	98.77	14.054		
14,800.0	8,575.0	16,101.8	9,964.7	153.2	154.7	178.78	-827.0	5,685.4	1,390.1	1,286.5	103.59	13.419		
14,900.0	8,575.0	16,213.7	9,964.8	155.6	157.4	178.82	-826.0	5,797.3	1,390.2	1,284.9	105.30	13.202		
15,000.0	8,575.0	16,323.0	9,963.9	158.0	160.0	178.94	-822.9	5,906.5	1,389.3	1,282.3	106.96	12.988		
15,100.0	8,575.0	16,416.5	9,963.1	160.4	162.2	179.07	-819.7	6,000.0	1,388.3	1,279.9	108.40	12.807		
15,200.0	8,575.0	16,570.1	9,958.3	162.8	165.9	179.26	-814.9	6,153.4	1,384.9	1,274.2	110.68	12.513		
15,300.0	8,575.0	16,666.7	9,954.0	165.2	168.2	179.43	-810.7	6,249.9	1,380.4	1,268.2	112.19	12.304		
15,400.0	8,575.0	16,773.3	9,949.4	167.6	170.7	179.64	-805.4	6,356.3	1,376.0	1,262.2	113.83	12.088		
15,500.0	8,575.0	16,879.2	9,944.0	170.0	173.2	179.83	-800.8	6,461.9	1,370.9	1,255.5	115.47	11.872		
15,600.0	8,575.0	16,978.3	9,938.9	172.5	175.6	-179.99	-796.4	6,560.7	1,365.7	1,248.7	117.04	11.669		
15,700.0	8,575.0	17,065.4	9,934.7	174.9	177.7	-179.85	-792.8	6,647.7	1,361.0	1,242.5	118.45	11.490		
15,800.0	8,575.0	17,136.5	9,932.4	177.3	179.4	-179.72	-789.7	6,718.6	1,357.7	1,238.1	119.62	11.350		
15,900.0	8,575.0	17,214.8	9,931.6	179.7	181.3	-179.58	-786.4	6,796.9	1,356.7	1,235.8	120.88	11.223		
16,000.0	8,575.0	17,316.4	9,931.2	182.1	183.7	-179.40	-781.9	6,898.4	1,356.3	1,233.8	122.52	11.070		
16,100.0	8,575.0	17,416.8	9,930.3	184.5	186.1	-179.25	-778.2	6,998.7	1,355.5	1,231.3	124.13	10.920		
16,151.1	8,575.0	17,463.4	9,930.1	185.8	187.2	-179.20	-777.1	7,045.3	1,355.2	1,230.4	124.87	10.853		
16,200.0	8,575.0	17,483.0	9,930.3	187.0	187.7	-179.18	-776.6	7,064.9	1,355.7	1,230.5	125.15	10.832		
16,300.0	8,575.0	17,527.6	9,932.0	189.4	188.7	-179.12	-775.2	7,109.4	1,359.6	1,233.9	125.71	10.815		
16,400.0	8,575.0	17,629.4	9,939.1	191.8	191.2	-178.98	-771.5	7,210.9	1,366.7	1,239.3	127.36	10.731		
16,500.0	8,575.0	17,740.1	9,944.8	194.2	193.8	-178.89	-769.1	7,321.5	1,371.8	1,242.7	129.17	10.621		
16,600.0	8,575.0	17,856.5	9,950.4	196.6	196.6	-178.79	-766.4	7,437.7	1,376.7	1,245.6	131.08	10.503		
16,700.0	8,575.0	17,991.0	9,952.5	199.1	199.9	-178.81	-766.8	7,572.2	1,378.0	1,244.7	133.21	10.344		
16,800.0	8,575.0	18,072.4	9,954.1	201.5	201.9	-178.83	-767.1	7,653.5	1,379.9	1,245.5	134.44	10.264		
16,900.0	8,575.0	18,206.1	9,957.2	203.9	205.1	-178.86	-767.7	7,787.2	1,382.4	1,245.9	136.53	10.126		
17,000.0	8,575.0	18,321.2	9,956.4	206.3	207.9	-179.00	-770.9	7,902.2	1,381.7	1,243.5	138.23	9.995		
17,039.9	8,575.0	18,349.1	9,956.3	207.3	208.5	-179.03	-771.6	7,930.1	1,381.5	1,242.9	138.65	9.964		
17,100.0	8,575.0	18,391.2	9,956.6	208.8	209.6	-179.07	-772.4	7,972.2	1,381.9	1,242.6	139.27	9.922		
17,200.0	8,575.0	18,468.8	9,958.3	211.2	211.4	-179.10	-773.1	8,049.8	1,384.1	1,243.6	140.42	9.856		
17,300.0	8,575.0	18,563.1	9,961.4	213.6	213.7	-179.12	-773.3	8,144.0	1,387.4	1,245.5	141.86	9.780		
17,400.0	8,575.0	18,697.5	9,964.4	216.0	217.0	-179.15	-773.9	8,278.4	1,389.6	1,245.6	143.99	9.651		
17,500.0	8,575.0	18,799.4	9,965.0	218.5	219.4	-179.17	-774.2	8,380.3	1,390.2	1,244.6	145.56	9.551		
17,600.0	8,575.0	18,882.8	9,966.1	220.9	221.5	-179.17	-774.1	8,463.7	1,391.5	1,244.7	146.84	9.477		
17,700.0	8,575.0	18,976.0	9,968.1	223.3	223.7	-179.16	-773.9	8,556.9	1,393.7	1,245.4	148.28	9.399		
17,800.0	8,575.0	19,070.9	9,970.5	225.8	226.0	-179.16	-773.6	8,651.7	1,396.2	1,246.5	149.74	9.324		
17,900.0	8,575.0	19,900.0	9,973.1	228.2	197.6	-179.18	-773.9	8,791.7	1,398.3	1,256.5	141.81	9.860		
18,000.0	8,575.0	19,362.6	9,968.8	230.6	233.1	-179.36	-778.1	8,943.2	1,394.9	1,240.8	154.12	9.051		
18,100.0	8,575.0	19,436.0	9,965.8	233.0	234.9	-179.46	-780.7	9,016.5	1,391.2	1,235.9	155.28	8.959		
18,169.5	8,575.0	19,479.3	9,964.9	234.7	235.9	-179.51	-781.7	9,059.8	1,390.0	1,234.0	155.96	8.912		
18,200.0	8,575.0	19,491.9	9,965.0	235.5	236.2	-179.52	-781.9	9,072.4	1,390.2	1,234.0	156.14	8.903		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 176-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		
18,300.0	8,575.0	19,538.0	9,966.6	237.9	237.3	-179.52	-781.8	9,118.5	1,393.5	1,236.8	156.72	8.892		
18,400.0	8,575.0	19,637.5	9,971.7	240.3	239.8	-179.50	-781.2	9,217.9	1,398.7	1,240.4	158.27	8.837		
18,500.0	8,575.0	19,731.4	9,976.7	242.8	242.0	-179.47	-780.4	9,311.6	1,404.0	1,244.3	159.72	8.790		
18,600.0	8,575.0	19,807.5	9,981.6	245.2	243.9	-179.43	-779.4	9,387.5	1,410.4	1,249.6	160.79	8.772		
18,700.0	8,575.0	20,002.4	9,988.0	247.6	248.6	-179.66	-784.6	9,582.2	1,413.1	1,249.1	164.03	8.615		
18,800.0	8,575.0	20,093.8	9,988.9	250.1	250.8	-179.86	-789.5	9,673.4	1,414.0	1,248.6	165.39	8.549		
18,900.0	8,575.0	20,229.3	9,988.1	252.5	254.1	179.79	-798.1	9,808.6	1,413.2	1,245.8	167.40	8.442		
18,990.4	8,575.0	20,301.5	9,987.4	254.7	255.9	179.60	-802.5	9,880.7	1,412.5	1,243.9	168.54	8.381		
19,000.0	8,575.0	20,307.6	9,987.4	255.0	256.0	179.59	-802.8	9,886.8	1,412.5	1,243.9	168.64	8.376		
19,100.0	8,575.0	20,379.0	9,988.6	257.4	257.8	179.46	-805.9	9,958.1	1,414.0	1,244.3	169.74	8.331		
19,200.0	8,575.0	20,504.8	9,989.4	259.8	260.8	179.22	-811.8	10,083.7	1,414.6	1,242.9	171.73	8.237		
19,300.0	8,575.0	20,567.0	9,990.6	262.3	262.3	179.13	-813.9	10,145.9	1,416.4	1,243.8	172.69	8.202		
19,400.0	8,575.0	20,623.3	9,993.2	264.7	263.7	179.09	-814.9	10,202.1	1,421.1	1,247.7	173.42	8.195		
19,500.0	8,575.0	20,692.1	9,998.5	267.1	265.4	179.08	-815.2	10,270.7	1,428.7	1,254.4	174.31	8.196		
19,600.0	8,575.0	20,783.2	10,006.4	269.6	267.6	179.12	-814.1	10,361.5	1,437.4	1,261.7	175.66	8.183		
19,700.0	8,575.0	20,884.0	10,015.6	272.0	270.0	179.33	-808.8	10,461.7	1,446.5	1,269.3	177.19	8.163		
19,800.0	8,575.0	21,072.5	10,027.4	274.5	274.6	179.46	-805.5	10,649.7	1,453.1	1,272.6	180.52	8.050		
19,900.0	8,575.0	21,196.1	10,029.7	276.9	277.6	179.47	-805.2	10,773.3	1,454.8	1,272.4	182.46	7.973		
20,000.0	8,575.0	20,000.0	10,028.9	279.3	248.8	179.71	-798.7	10,946.6	1,455.1	1,280.7	174.36	8.345		
20,100.0	8,575.0	21,572.9	10,011.4	281.8	286.7	-179.81	-786.5	11,148.7	1,445.1	1,257.8	187.29	7.716		
20,200.0	8,575.0	21,665.4	10,001.3	284.2	288.9	-179.57	-780.3	11,240.4	1,434.2	1,245.3	188.91	7.592		
20,300.0	8,575.0	21,736.4	9,994.4	286.6	290.6	-179.42	-776.7	11,311.0	1,424.6	1,234.2	190.39	7.482		
20,400.0	8,575.0	21,789.0	9,990.5	289.1	291.8	-179.33	-774.3	11,363.4	1,417.5	1,225.8	191.64	7.396		
20,500.0	8,575.0	21,838.3	9,988.5	291.5	293.0	-179.23	-771.9	11,412.6	1,413.8	1,221.1	192.68	7.338		
20,538.8	8,575.0	21,854.8	9,988.3	292.5	293.4	-179.19	-771.0	11,429.1	1,413.5	1,220.5	192.98	7.324		
20,600.0	8,575.0	21,883.0	9,988.7	294.0	294.1	-179.13	-769.3	11,457.2	1,414.3	1,220.8	193.43	7.311		
20,700.0	8,575.0	21,988.6	9,991.1	296.4	296.7	-178.86	-762.7	11,562.6	1,416.6	1,221.3	195.26	7.255		
20,800.0	8,575.0	22,072.0	9,993.2	298.9	298.7	-178.65	-757.3	11,645.8	1,419.3	1,222.6	196.68	7.216		
20,900.0	8,575.0	22,162.2	9,996.1	301.3	300.9	-178.41	-751.2	11,735.7	1,422.7	1,224.5	198.26	7.176		
21,000.0	8,575.0	22,240.2	9,999.6	303.7	302.7	-178.20	-745.7	11,813.4	1,427.3	1,227.7	199.58	7.152		
21,100.0	8,575.0	22,311.9	10,003.9	306.2	304.5	-177.99	-740.4	11,884.8	1,433.7	1,232.9	200.73	7.142		
21,200.0	8,575.0	22,383.0	10,009.7	308.6	306.2	-177.79	-734.9	11,955.5	1,442.0	1,240.2	201.82	7.145		
21,213.6	8,575.0	22,392.9	10,010.6	309.0	306.4	-177.76	-734.2	11,965.3	1,443.3	1,241.3	201.97	7.146		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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	0.0	0.0	0.0	0.0	-14.51	2,249.3	-582.0	2,323.7					
100.0	100.0	61.0	61.0	0.1	0.1	-14.51	2,249.3	-582.0	2,323.3	2,323.1	0.21	N/A		
200.0	200.0	161.0	161.0	0.5	0.3	-14.51	2,249.3	-582.0	2,323.3	2,322.5	0.83	2,787.638		
300.0	300.0	261.0	261.0	0.8	0.7	-14.51	2,249.3	-582.0	2,323.3	2,321.8	1.55	1,498.557		
400.0	400.0	361.0	361.0	1.2	1.1	-14.51	2,249.3	-582.0	2,323.3	2,321.1	2.27	1,024.705		
500.0	500.0	461.0	461.0	1.6	1.4	-14.51	2,249.3	-582.0	2,323.3	2,320.4	2.98	778.530		
600.0	600.0	561.0	561.0	1.9	1.8	-14.51	2,249.3	-582.0	2,323.3	2,319.6	3.70	627.725		
700.0	700.0	661.0	661.0	2.3	2.1	-14.51	2,249.3	-582.0	2,323.3	2,318.9	4.42	525.863		
800.0	800.0	761.0	761.0	2.6	2.5	-14.51	2,249.3	-582.0	2,323.3	2,318.2	5.14	452.444		
900.0	900.0	861.0	861.0	3.0	2.9	-14.51	2,249.3	-582.0	2,323.3	2,317.5	5.85	397.015		
1,000.0	1,000.0	961.0	961.0	3.4	3.2	-14.51	2,249.3	-582.0	2,323.3	2,316.8	6.57	353.684	CC, ES	
1,100.0	1,100.0	1,061.0	1,061.0	3.7	3.6	124.70	2,249.3	-582.0	2,324.6	2,317.3	7.27	319.724		
1,200.0	1,199.7	1,160.7	1,160.7	4.0	3.9	124.75	2,249.3	-582.0	2,328.3	2,320.4	7.96	292.419		
1,300.0	1,299.1	1,260.1	1,260.1	4.4	4.3	124.84	2,249.3	-582.0	2,334.6	2,325.9	8.66	269.536		
1,372.0	1,370.4	1,331.4	1,331.4	4.6	4.5	124.93	2,249.3	-582.0	2,340.6	2,331.4	9.17	255.222		
1,400.0	1,398.0	1,359.0	1,359.0	4.7	4.6	125.02	2,249.3	-582.0	2,343.2	2,333.9	9.37	250.063		
1,500.0	1,496.7	1,457.7	1,457.7	5.1	5.0	125.34	2,249.3	-582.0	2,352.6	2,342.5	10.09	233.239		
1,600.0	1,595.4	1,540.6	1,540.6	5.5	5.3	125.60	2,249.4	-582.1	2,362.3	2,351.5	10.75	219.683		
1,700.0	1,694.1	1,611.5	1,611.5	5.9	5.5	125.82	2,250.2	-582.6	2,373.1	2,361.7	11.38	208.523		
1,800.0	1,792.7	1,682.3	1,682.2	6.3	5.8	126.03	2,251.7	-583.6	2,385.0	2,373.0	12.01	198.603		
1,900.0	1,891.4	1,752.9	1,752.8	6.7	6.0	126.24	2,254.0	-585.0	2,398.2	2,385.6	12.64	189.748		
2,000.0	1,990.1	1,823.4	1,823.2	7.1	6.3	126.43	2,257.0	-586.9	2,412.6	2,399.4	13.27	181.822		
2,100.0	2,088.8	1,900.0	1,899.7	7.5	6.6	126.63	2,261.1	-589.4	2,428.2	2,414.3	13.92	174.397		
2,200.0	2,187.5	1,963.8	1,963.3	7.9	6.8	126.78	2,265.2	-592.0	2,445.0	2,430.4	14.53	168.310		
2,300.0	2,286.2	2,033.7	2,032.9	8.3	7.1	126.95	2,270.3	-595.2	2,462.9	2,447.7	15.15	162.535		
2,400.0	2,384.9	2,100.0	2,098.9	8.8	7.3	127.10	2,275.9	-598.7	2,481.9	2,466.2	15.76	157.459		
2,500.0	2,483.5	2,172.7	2,171.2	9.2	7.6	127.25	2,282.7	-602.9	2,502.1	2,485.7	16.40	152.585		
2,600.0	2,582.2	2,241.8	2,239.7	9.6	7.8	127.39	2,289.9	-607.5	2,523.5	2,506.4	17.02	148.292		
2,700.0	2,680.9	2,310.6	2,307.9	10.1	8.1	127.51	2,297.8	-612.4	2,545.9	2,528.3	17.63	144.390		
2,800.0	2,779.6	2,379.1	2,375.7	10.5	8.3	127.63	2,306.3	-617.7	2,569.5	2,551.2	18.24	140.836		
2,900.0	2,878.3	2,447.3	2,442.9	10.9	8.6	127.74	2,315.5	-623.5	2,594.1	2,575.2	18.85	137.595		
3,000.0	2,977.0	2,521.5	2,516.1	11.3	8.9	127.85	2,326.2	-630.2	2,619.8	2,600.3	19.49	134.418		
3,100.0	3,075.7	2,617.8	2,611.0	11.8	9.3	127.99	2,340.4	-639.0	2,645.8	2,625.6	20.24	130.734		
3,200.0	3,174.3	2,714.2	2,705.8	12.2	9.6	128.12	2,354.6	-647.9	2,671.9	2,650.9	20.99	127.300		
3,300.0	3,273.0	2,810.5	2,800.7	12.6	10.0	128.26	2,368.8	-656.8	2,697.9	2,676.2	21.74	124.092		
3,400.0	3,371.7	2,906.9	2,895.6	13.1	10.4	128.39	2,383.0	-665.7	2,724.0	2,701.5	22.50	121.090		
3,500.0	3,470.4	3,003.2	2,990.5	13.5	10.8	128.51	2,397.1	-674.5	2,750.1	2,726.8	23.25	118.274		
3,600.0	3,569.1	3,100.4	3,085.4	14.0	11.2	128.64	2,411.3	-683.4	2,776.2	2,752.2	24.01	115.614		
3,700.0	3,667.8	3,204.0	3,180.3	14.4	11.7	128.76	2,425.5	-692.3	2,802.3	2,777.5	24.80	113.000		
3,800.0	3,766.5	3,292.3	3,275.2	14.8	12.0	128.88	2,439.7	-701.2	2,828.4	2,802.9	25.53	110.792		
3,900.0	3,865.1	3,390.0	3,453.4	15.3	14.5	129.13	2,463.7	-716.2	2,853.0	2,824.7	28.33	100.723		
4,000.0	3,963.8	4,000.0	3,756.3	15.7	14.8	129.67	2,488.7	-731.8	2,871.0	2,841.7	29.24	98.178		
4,100.0	4,062.5	4,044.5	4,023.5	16.1	14.9	130.29	2,494.1	-735.2	2,882.4	2,852.6	29.84	96.599		
4,200.0	4,161.2	4,143.2	4,122.2	16.6	15.2	130.53	2,494.1	-735.2	2,893.0	2,862.4	30.59	94.574		
4,300.0	4,259.9	4,241.9	4,220.9	17.0	15.6	130.77	2,494.1	-735.2	2,903.6	2,872.2	31.34	92.648		
4,400.0	4,358.6	4,340.6	4,319.6	17.5	15.9	131.01	2,494.1	-735.2	2,914.2	2,882.1	32.09	90.813		
4,500.0	4,457.3	4,439.3	4,418.3	17.9	16.2	131.25	2,494.1	-735.2	2,924.9	2,892.1	32.84	89.064		
4,600.0	4,555.9	4,538.0	4,516.9	18.3	16.6	131.48	2,494.1	-735.2	2,935.7	2,902.1	33.59	87.396		
4,700.0	4,654.6	4,636.6	4,615.6	18.8	16.9	131.71	2,494.1	-735.2	2,946.5	2,912.2	34.34	85.801		
4,800.0	4,753.3	4,735.3	4,714.3	19.2	17.2	131.95	2,494.1	-735.2	2,957.4	2,922.3	35.09	84.277		
4,900.0	4,852.0	4,834.0	4,813.0	19.7	17.6	132.18	2,494.1	-735.2	2,968.3	2,932.4	35.84	82.818		
5,000.0	4,950.7	4,932.7	4,911.7	20.1	17.9	132.41	2,494.1	-735.2	2,979.2	2,942.6	36.59	81.421		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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	5,049.4	5,031.4	5,010.4	20.6	18.3	132.63	2,494.1	-735.2	2,990.2	2,952.9	37.34	80.082		
5,200.0	5,148.1	5,130.1	5,109.1	21.0	18.6	132.86	2,494.1	-735.2	3,001.3	2,963.2	38.09	78.797		
5,300.0	5,246.7	5,228.8	5,207.7	21.4	19.0	133.08	2,494.1	-735.2	3,012.4	2,973.5	38.84	77.563		
5,400.0	5,345.4	5,327.4	5,306.4	21.9	19.3	133.30	2,494.1	-735.2	3,023.5	2,983.9	39.59	76.377		
5,500.0	5,444.1	5,426.1	5,405.1	22.3	19.6	133.52	2,494.1	-735.2	3,034.7	2,994.4	40.33	75.238		
5,600.0	5,542.8	5,524.8	5,503.8	22.8	20.0	133.74	2,494.1	-735.2	3,045.9	3,004.8	41.08	74.141		
5,700.0	5,641.5	5,623.5	5,602.5	23.2	20.3	133.96	2,494.1	-735.2	3,057.2	3,015.4	41.83	73.085		
5,800.0	5,740.2	5,722.2	5,701.2	23.7	20.7	134.18	2,494.1	-735.2	3,068.5	3,025.9	42.58	72.067		
5,900.0	5,838.9	5,820.9	5,799.9	24.1	21.0	134.39	2,494.1	-735.2	3,079.9	3,036.5	43.33	71.086		
6,000.0	5,937.5	5,919.6	5,898.5	24.5	21.4	134.60	2,494.1	-735.2	3,091.3	3,047.2	44.07	70.140		
6,100.0	6,036.2	6,018.2	5,997.2	25.0	21.7	134.81	2,494.1	-735.2	3,102.7	3,057.9	44.82	69.226		
6,200.0	6,134.9	6,116.9	6,095.9	25.4	22.0	135.02	2,494.1	-735.2	3,114.2	3,068.6	45.57	68.344		
6,300.0	6,233.6	6,215.6	6,194.6	25.9	22.4	135.23	2,494.1	-735.2	3,125.7	3,079.4	46.31	67.492		
6,400.0	6,332.3	6,314.3	6,293.3	26.3	22.7	135.44	2,494.1	-735.2	3,137.3	3,090.2	47.06	66.668		
6,500.0	6,431.0	6,413.0	6,392.0	26.8	23.1	135.64	2,494.1	-735.2	3,148.9	3,101.1	47.80	65.871		
6,600.0	6,529.6	6,511.7	6,490.6	27.2	23.4	135.85	2,494.1	-735.2	3,160.6	3,112.0	48.55	65.099		
6,700.0	6,628.3	6,610.4	6,589.3	27.6	23.8	136.05	2,494.1	-735.2	3,172.2	3,122.9	49.29	64.353		
6,800.0	6,727.0	6,709.0	6,688.0	28.1	24.1	136.25	2,494.1	-735.2	3,184.0	3,133.9	50.04	63.629		
6,900.0	6,825.7	6,807.7	6,786.7	28.5	24.5	136.45	2,494.1	-735.2	3,195.7	3,145.0	50.78	62.928		
7,000.0	6,924.4	6,906.4	6,885.4	29.0	24.8	136.65	2,494.1	-735.2	3,207.5	3,156.0	51.53	62.248		
7,100.0	7,023.1	7,005.1	6,984.1	29.4	25.2	136.84	2,494.1	-735.2	3,219.4	3,167.1	52.27	61.589		
7,200.0	7,121.8	7,103.8	7,082.8	29.9	25.5	137.04	2,494.1	-735.2	3,231.3	3,178.2	53.02	60.949		
7,300.0	7,220.4	7,202.5	7,181.4	30.3	25.9	137.23	2,494.1	-735.2	3,243.2	3,189.4	53.76	60.328		
7,400.0	7,319.1	7,301.2	7,280.1	30.7	26.2	137.42	2,494.1	-735.2	3,255.1	3,200.6	54.50	59.725		
7,466.5	7,384.7	7,366.7	7,345.7	31.0	26.4	137.55	2,494.1	-735.2	3,263.1	3,208.1	55.00	59.333		
7,500.0	7,417.8	7,400.1	7,378.8	31.2	26.6	137.65	2,494.1	-735.2	3,267.0	3,211.8	55.25	59.136		
7,600.0	7,516.9	7,501.1	7,477.9	31.6	26.9	137.92	2,494.1	-735.2	3,277.4	3,221.4	55.99	58.539		
7,700.0	7,616.2	7,601.8	7,577.2	32.0	27.3	138.14	2,494.1	-735.2	3,285.9	3,229.2	56.72	57.936		
7,800.0	7,715.8	7,702.2	7,676.8	32.4	27.6	138.31	2,494.1	-735.2	3,292.5	3,235.1	57.43	57.326		
7,900.0	7,815.6	7,802.4	7,776.6	32.8	28.0	138.42	2,494.1	-735.2	3,297.1	3,239.0	58.14	56.709		
8,000.0	7,915.5	7,902.4	7,876.5	33.1	28.3	138.49	2,494.1	-735.2	3,299.8	3,241.0	58.84	56.085		
8,086.5	8,002.0	7,984.0	7,963.0	33.3	28.6	-0.68	2,494.1	-735.2	3,300.5	3,241.1	59.40	55.563		
8,100.0	8,015.5	8,002.4	7,976.5	33.4	28.7	-90.48	2,494.1	-735.2	3,300.5	3,241.0	59.51	55.464		
8,150.0	8,065.4	8,047.4	8,026.4	33.5	28.8	-90.53	2,494.1	-735.2	3,300.6	3,240.8	59.81	55.189		
8,200.0	8,114.8	8,103.2	8,075.8	33.6	29.0	-90.66	2,494.1	-735.2	3,300.6	3,240.5	60.13	54.895		
8,250.0	8,163.3	8,145.4	8,124.3	33.7	29.2	-90.84	2,494.1	-735.2	3,300.8	3,240.4	60.39	54.663		
8,300.0	8,210.6	8,207.3	8,171.6	33.8	29.4	-91.08	2,494.1	-735.2	3,301.1	3,240.4	60.70	54.383		
8,350.0	8,256.3	8,238.4	8,217.3	33.8	29.5	-91.35	2,494.1	-735.2	3,301.6	3,240.7	60.90	54.217		
8,400.0	8,300.1	8,282.1	8,261.1	33.9	29.7	-91.65	2,494.1	-735.2	3,302.3	3,241.2	61.13	54.025		
8,450.0	8,341.6	8,323.7	8,302.6	33.9	29.8	-91.94	2,494.1	-735.2	3,303.3	3,242.0	61.34	53.852		
8,500.0	8,380.6	8,362.6	8,341.6	33.9	30.0	-92.22	2,494.1	-735.2	3,304.8	3,243.3	61.55	53.697		
8,550.0	8,416.6	8,401.4	8,377.6	33.9	30.1	-92.45	2,494.1	-735.2	3,306.8	3,245.0	61.75	53.550		
8,600.0	8,449.5	8,431.5	8,410.5	33.9	30.2	-92.63	2,494.1	-735.2	3,309.3	3,247.4	61.93	53.434		
8,650.0	8,479.0	8,461.0	8,440.0	33.9	30.3	-92.72	2,494.1	-735.2	3,312.5	3,250.4	62.12	53.322		
8,700.0	8,504.8	8,486.8	8,465.8	33.9	30.4	-92.71	2,494.1	-735.2	3,316.5	3,254.1	62.32	53.220		
8,750.0	8,526.9	8,508.9	8,487.9	33.8	30.5	-92.58	2,494.1	-735.2	3,321.2	3,258.7	62.52	53.126		
8,800.0	8,544.9	8,526.9	8,505.9	33.8	30.5	-92.31	2,494.1	-735.2	3,326.7	3,264.0	62.72	53.039		
8,850.0	8,558.8	8,540.8	8,519.8	33.8	30.6	-91.90	2,494.1	-735.2	3,333.1	3,270.1	62.94	52.959		
8,900.0	8,568.4	8,550.5	8,529.4	33.7	30.6	-91.34	2,494.1	-735.2	3,340.3	3,277.1	63.16	52.886		
8,950.0	8,573.8	8,555.8	8,534.8	33.7	30.6	-90.62	2,494.1	-735.2	3,348.3	3,284.9	63.39	52.822		
8,986.5	8,575.0	8,557.0	8,536.0	33.7	30.6	-90.00	2,494.1	-735.2	3,354.6	3,291.0	63.56	52.782		
8,993.2	8,575.0	8,557.0	8,536.0	33.8	30.6	-90.00	2,494.1	-735.2	3,355.8	3,292.2	63.59	52.776		

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 Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	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		
9,000.0	8,575.0	8,557.0	8,536.0	33.8	30.6	-90.00	2,494.1	-735.2	3,357.1	3,293.4	63.62	52.769		
9,100.0	8,575.0	8,557.0	8,536.0	33.9	30.6	-90.00	2,494.1	-735.2	3,377.0	3,312.9	64.16	52.632		
9,200.0	8,575.0	8,557.0	8,536.0	34.4	30.6	-90.00	2,494.1	-735.2	3,399.8	3,335.0	64.82	52.446		
9,300.0	8,575.0	8,557.0	8,536.0	35.3	30.6	-90.00	2,494.1	-735.2	3,425.3	3,359.7	65.59	52.225		
9,400.0	8,575.0	8,557.0	8,536.0	36.3	30.6	-90.00	2,494.1	-735.2	3,453.6	3,387.1	66.44	51.981		
9,500.0	8,575.0	8,557.0	8,536.0	37.6	30.6	-90.00	2,494.1	-735.2	3,484.5	3,417.1	67.36	51.726		
9,600.0	8,575.0	8,557.0	8,536.0	38.9	30.6	-90.00	2,494.1	-735.2	3,517.9	3,449.6	68.35	51.473		
9,700.0	8,575.0	8,557.0	8,536.0	40.4	30.6	-90.00	2,494.1	-735.2	3,553.9	3,484.5	69.37	51.229		
9,800.0	8,575.0	11,057.3	9,896.6	41.9	47.3	-112.41	2,495.8	663.9	3,568.7	3,484.7	84.06	42.456		
9,900.0	8,575.0	11,157.3	9,898.2	43.6	48.9	-112.44	2,495.9	763.9	3,569.4	3,482.3	87.11	40.977		
10,000.0	8,575.0	11,257.3	9,899.9	45.3	50.7	-112.46	2,496.0	863.9	3,570.0	3,479.7	90.28	39.542		
10,100.0	8,575.0	11,357.3	9,901.5	47.0	52.5	-112.49	2,496.2	963.8	3,570.6	3,477.1	93.58	38.157		
10,200.0	8,575.0	11,457.2	9,903.2	48.9	54.3	-112.51	2,496.3	1,063.8	3,571.3	3,474.3	96.97	36.828		
10,300.0	8,575.0	11,557.2	9,904.8	50.8	56.2	-112.53	2,496.4	1,163.8	3,571.9	3,471.5	100.46	35.557		
10,400.0	8,575.0	11,657.2	9,906.4	52.7	58.1	-112.56	2,496.5	1,263.8	3,572.5	3,468.5	104.02	34.343		
10,500.0	8,575.0	11,757.2	9,908.1	54.7	60.1	-112.58	2,496.7	1,363.7	3,573.2	3,465.5	107.67	33.187		
10,600.0	8,575.0	11,857.2	9,909.7	56.7	62.1	-112.61	2,496.8	1,463.7	3,573.8	3,462.4	111.38	32.088		
10,700.0	8,575.0	11,957.2	9,911.4	58.7	64.1	-112.63	2,496.9	1,563.7	3,574.5	3,459.3	115.14	31.043		
10,800.0	8,575.0	12,057.2	9,913.0	60.8	66.2	-112.65	2,497.0	1,663.7	3,575.1	3,456.1	118.97	30.051		
10,900.0	8,575.0	12,157.1	9,914.6	62.9	68.3	-112.68	2,497.1	1,763.6	3,575.7	3,452.9	122.84	29.109		
11,000.0	8,575.0	12,257.1	9,916.3	65.0	70.4	-112.70	2,497.3	1,863.6	3,576.4	3,449.6	126.75	28.215		
11,100.0	8,575.0	12,357.1	9,917.9	67.1	72.5	-112.73	2,497.4	1,963.6	3,577.0	3,446.3	130.71	27.366		
11,200.0	8,575.0	12,457.1	9,919.6	69.3	74.7	-112.75	2,497.5	2,063.5	3,577.7	3,443.0	134.70	26.560		
11,300.0	8,575.0	12,557.1	9,921.2	71.5	76.9	-112.78	2,497.6	2,163.5	3,578.3	3,439.6	138.72	25.794		
11,400.0	8,575.0	12,657.1	9,922.8	73.7	79.1	-112.80	2,497.8	2,263.5	3,578.9	3,436.2	142.78	25.066		
11,500.0	8,575.0	12,757.1	9,924.5	75.9	81.3	-112.82	2,497.9	2,363.5	3,579.6	3,432.7	146.86	24.374		
11,600.0	8,575.0	12,857.1	9,926.1	78.2	83.5	-112.85	2,498.0	2,463.4	3,580.2	3,429.3	150.97	23.715		
11,700.0	8,575.0	12,957.0	9,927.8	80.4	85.7	-112.87	2,498.1	2,563.4	3,580.9	3,425.8	155.10	23.087		
11,800.0	8,575.0	13,057.0	9,929.4	82.7	88.0	-112.90	2,498.2	2,663.4	3,581.5	3,422.3	159.25	22.490		
11,900.0	8,575.0	13,157.0	9,931.0	84.9	90.2	-112.92	2,498.4	2,763.4	3,582.2	3,418.7	163.42	21.920		
12,000.0	8,575.0	13,257.0	9,932.7	87.2	92.5	-112.94	2,498.5	2,863.3	3,582.8	3,415.2	167.61	21.376		
12,100.0	8,575.0	13,357.0	9,934.3	89.5	94.8	-112.97	2,498.6	2,963.3	3,583.4	3,411.6	171.82	20.856		
12,200.0	8,575.0	13,457.0	9,936.0	91.8	97.0	-112.99	2,498.7	3,063.3	3,584.1	3,408.1	176.04	20.360		
12,300.0	8,575.0	13,557.0	9,937.6	94.1	99.3	-113.02	2,498.9	3,163.3	3,584.7	3,404.5	180.27	19.885		
12,400.0	8,575.0	13,656.9	9,939.2	96.4	101.6	-113.04	2,499.0	3,263.2	3,585.4	3,400.9	184.52	19.431		
12,500.0	8,575.0	13,756.9	9,940.9	98.7	103.9	-113.07	2,499.1	3,363.2	3,586.0	3,397.3	188.78	18.996		
12,600.0	8,575.0	13,856.9	9,942.5	101.0	106.3	-113.09	2,499.2	3,463.2	3,586.7	3,393.6	193.05	18.579		
12,700.0	8,575.0	13,956.9	9,944.2	103.4	108.6	-113.11	2,499.3	3,563.1	3,587.3	3,390.0	197.33	18.180		
12,800.0	8,575.0	14,056.9	9,945.8	105.7	110.9	-113.14	2,499.5	3,663.1	3,588.0	3,386.4	201.61	17.796		
12,900.0	8,575.0	14,156.9	9,947.4	108.0	113.2	-113.16	2,499.6	3,763.1	3,588.6	3,382.7	205.91	17.428		
13,000.0	8,575.0	14,256.9	9,949.1	110.4	115.6	-113.19	2,499.7	3,863.1	3,589.3	3,379.1	210.22	17.074		
13,100.0	8,575.0	14,356.9	9,950.7	112.7	117.9	-113.21	2,499.8	3,963.0	3,589.9	3,375.4	214.53	16.734		
13,200.0	8,575.0	14,456.8	9,952.4	115.1	120.2	-113.23	2,500.0	4,063.0	3,590.6	3,371.7	218.85	16.406		
13,300.0	8,575.0	14,556.8	9,954.0	117.5	122.6	-113.26	2,500.1	4,163.0	3,591.3	3,368.1	223.18	16.091		
13,400.0	8,575.0	14,656.8	9,955.6	119.8	125.0	-113.28	2,500.2	4,263.0	3,591.9	3,364.4	227.51	15.788		
13,500.0	8,575.0	14,756.8	9,957.3	122.2	127.3	-113.31	2,500.3	4,362.9	3,592.6	3,360.7	231.85	15.495		
13,600.0	8,575.0	14,856.8	9,958.9	124.6	129.7	-113.33	2,500.4	4,462.9	3,593.2	3,357.0	236.20	15.213		
13,700.0	8,575.0	14,956.8	9,960.6	126.9	132.0	-113.35	2,500.6	4,562.9	3,593.9	3,353.3	240.54	14.941		
13,800.0	8,575.0	15,056.8	9,962.2	129.3	134.4	-113.38	2,500.7	4,662.8	3,594.5	3,349.6	244.90	14.678		
13,900.0	8,575.0	15,156.7	9,963.8	131.7	136.8	-113.40	2,500.8	4,762.8	3,595.2	3,345.9	249.25	14.424		
14,000.0	8,575.0	15,256.7	9,965.5	134.1	139.1	-113.43	2,500.9	4,862.8	3,595.8	3,342.2	253.62	14.178		
14,100.0	8,575.0	15,356.7	9,967.1	136.4	141.5	-113.45	2,501.1	4,962.8	3,596.5	3,338.5	257.98	13.941		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,200.0	8,575.0	15,456.7	9,968.8	138.8	143.9	-113.47	2,501.2	5,062.7	3,597.2	3,334.8	262.35	13.711		
14,300.0	8,575.0	15,556.7	9,970.4	141.2	146.3	-113.50	2,501.3	5,162.7	3,597.8	3,331.1	266.72	13.489		
14,400.0	8,575.0	15,656.7	9,972.0	143.6	148.7	-113.52	2,501.4	5,262.7	3,598.5	3,327.4	271.09	13.274		
14,500.0	8,575.0	15,756.7	9,973.7	146.0	151.1	-113.54	2,501.5	5,362.7	3,599.1	3,323.7	275.47	13.065		
14,600.0	8,575.0	15,856.7	9,975.3	148.4	153.4	-113.57	2,501.7	5,462.6	3,599.8	3,320.0	279.85	12.863		
14,700.0	8,575.0	15,956.6	9,977.0	150.8	155.8	-113.59	2,501.8	5,562.6	3,600.5	3,316.2	284.23	12.667		
14,800.0	8,575.0	16,056.6	9,978.6	153.2	158.2	-113.62	2,501.9	5,662.6	3,601.1	3,312.5	288.62	12.477		
14,900.0	8,575.0	16,156.6	9,980.2	155.6	160.6	-113.64	2,502.0	5,762.5	3,601.8	3,308.8	293.00	12.293		
15,000.0	8,575.0	16,256.6	9,981.9	158.0	163.0	-113.66	2,502.2	5,862.5	3,602.5	3,305.1	297.39	12.114		
15,100.0	8,575.0	16,356.6	9,983.5	160.4	165.4	-113.69	2,502.3	5,962.5	3,603.1	3,301.4	301.78	11.940		
15,200.0	8,575.0	16,456.6	9,985.2	162.8	167.8	-113.71	2,502.4	6,062.5	3,603.8	3,297.6	306.17	11.771		
15,300.0	8,575.0	16,556.6	9,986.8	165.2	170.2	-113.74	2,502.5	6,162.4	3,604.5	3,293.9	310.56	11.606		
15,400.0	8,575.0	16,656.5	9,988.4	167.6	172.6	-113.76	2,502.6	6,262.4	3,605.1	3,290.2	314.96	11.446		
15,500.0	8,575.0	16,756.5	9,990.1	170.0	175.0	-113.78	2,502.8	6,362.4	3,605.8	3,286.4	319.35	11.291		
15,600.0	8,575.0	16,856.5	9,991.7	172.5	177.4	-113.81	2,502.9	6,462.4	3,606.5	3,282.7	323.75	11.140		
15,700.0	8,575.0	16,956.5	9,993.4	174.9	179.8	-113.83	2,503.0	6,562.3	3,607.1	3,279.0	328.14	10.993		
15,800.0	8,575.0	17,056.5	9,995.0	177.3	182.2	-113.85	2,503.1	6,662.3	3,607.8	3,275.3	332.54	10.849		
15,900.0	8,575.0	17,156.5	9,996.6	179.7	184.7	-113.88	2,503.3	6,762.3	3,608.5	3,271.5	336.94	10.710		
16,000.0	8,575.0	17,256.5	9,998.3	182.1	187.1	-113.90	2,503.4	6,862.3	3,609.1	3,267.8	341.34	10.574		
16,100.0	8,575.0	17,356.5	9,999.9	184.5	189.5	-113.93	2,503.5	6,962.2	3,609.8	3,264.1	345.73	10.441		
16,200.0	8,575.0	17,456.4	10,001.6	187.0	191.9	-113.95	2,503.6	7,062.2	3,610.5	3,260.4	350.13	10.312		
16,300.0	8,575.0	17,556.4	10,003.2	189.4	194.3	-113.97	2,503.7	7,162.2	3,611.2	3,256.6	354.53	10.186		
16,400.0	8,575.0	17,656.4	10,004.8	191.8	196.7	-114.00	2,503.9	7,262.1	3,611.8	3,252.9	358.93	10.063		
16,500.0	8,575.0	17,756.4	10,006.5	194.2	199.1	-114.02	2,504.0	7,362.1	3,612.5	3,249.2	363.34	9.943		
16,600.0	8,575.0	17,856.4	10,008.1	196.6	201.6	-114.04	2,504.1	7,462.1	3,613.2	3,245.4	367.74	9.825		
16,700.0	8,575.0	17,956.4	10,009.8	199.1	204.0	-114.07	2,504.2	7,562.1	3,613.9	3,241.7	372.14	9.711		
16,800.0	8,575.0	18,056.4	10,011.4	201.5	206.4	-114.09	2,504.3	7,662.0	3,614.5	3,238.0	376.54	9.599		
16,900.0	8,575.0	18,156.3	10,013.1	203.9	208.8	-114.12	2,504.5	7,762.0	3,615.2	3,234.3	380.94	9.490		
17,000.0	8,575.0	18,256.3	10,014.7	206.3	211.2	-114.14	2,504.6	7,862.0	3,615.9	3,230.6	385.34	9.384		
17,100.0	8,575.0	18,356.3	10,016.3	208.8	213.7	-114.16	2,504.7	7,962.0	3,616.6	3,226.8	389.74	9.279		
17,200.0	8,575.0	18,456.3	10,018.0	211.2	216.1	-114.19	2,504.8	8,061.9	3,617.2	3,223.1	394.14	9.178		
17,300.0	8,575.0	18,556.3	10,019.6	213.6	218.5	-114.21	2,505.0	8,161.9	3,617.9	3,219.4	398.54	9.078		
17,400.0	8,575.0	18,656.3	10,021.3	216.0	220.9	-114.23	2,505.1	8,261.9	3,618.6	3,215.7	402.94	8.980		
17,500.0	8,575.0	18,756.3	10,022.9	218.5	223.3	-114.26	2,505.2	8,361.8	3,619.3	3,211.9	407.34	8.885		
17,600.0	8,575.0	18,856.2	10,024.5	220.9	225.8	-114.28	2,505.3	8,461.8	3,620.0	3,208.2	411.74	8.792		
17,700.0	8,575.0	18,956.2	10,026.2	223.3	228.2	-114.30	2,505.4	8,561.8	3,620.6	3,204.5	416.14	8.700		
17,800.0	8,575.0	19,056.2	10,027.8	225.8	230.6	-114.33	2,505.6	8,661.8	3,621.3	3,200.8	420.54	8.611		
17,900.0	8,575.0	19,156.2	10,029.5	228.2	233.1	-114.35	2,505.7	8,761.7	3,622.0	3,197.1	424.94	8.524		
18,000.0	8,575.0	19,256.2	10,031.1	230.6	235.5	-114.38	2,505.8	8,861.7	3,622.7	3,193.4	429.34	8.438		
18,100.0	8,575.0	19,356.2	10,032.7	233.0	237.9	-114.40	2,505.9	8,961.7	3,623.4	3,189.6	433.74	8.354		
18,200.0	8,575.0	19,456.2	10,034.4	235.5	240.3	-114.42	2,506.1	9,061.7	3,624.1	3,185.9	438.13	8.272		
18,300.0	8,575.0	19,556.2	10,036.0	237.9	242.8	-114.45	2,506.2	9,161.6	3,624.7	3,182.2	442.53	8.191		
18,400.0	8,575.0	19,656.1	10,037.7	240.3	245.2	-114.47	2,506.3	9,261.6	3,625.4	3,178.5	446.93	8.112		
18,500.0	8,575.0	19,756.1	10,039.3	242.8	247.6	-114.49	2,506.4	9,361.6	3,626.1	3,174.8	451.32	8.034		
18,600.0	8,575.0	19,856.1	10,040.9	245.2	250.1	-114.52	2,506.5	9,461.6	3,626.8	3,171.1	455.72	7.958		
18,700.0	8,575.0	19,956.1	10,042.6	247.6	252.5	-114.54	2,506.7	9,561.5	3,627.5	3,167.4	460.11	7.884		
18,800.0	8,575.0	20,056.1	10,044.2	250.1	254.9	-114.56	2,506.8	9,661.5	3,628.2	3,163.7	464.50	7.811		
18,900.0	8,575.0	20,156.1	10,045.9	252.5	257.3	-114.59	2,506.9	9,761.5	3,628.9	3,160.0	468.90	7.739		
19,000.0	8,575.0	20,256.1	10,047.5	255.0	259.8	-114.61	2,507.0	9,861.4	3,629.6	3,156.3	473.29	7.669		
19,100.0	8,575.0	20,356.0	10,049.1	257.4	262.2	-114.63	2,507.2	9,961.4	3,630.3	3,152.6	477.68	7.600		
19,200.0	8,575.0	20,456.0	10,050.8	259.8	264.6	-114.66	2,507.3	10,061.4	3,630.9	3,148.9	482.07	7.532		
19,300.0	8,575.0	20,556.0	10,052.4	262.3	267.1	-114.68	2,507.4	10,161.4	3,631.6	3,145.2	486.46	7.465		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
19,400.0	8,575.0	20,656.0	10,054.1	264.7	269.5	-114.70	2,507.5	10,261.3	3,632.3	3,141.5	490.85	7.400		
19,500.0	8,575.0	20,756.0	10,055.7	267.1	272.0	-114.73	2,507.6	10,361.3	3,633.0	3,137.8	495.24	7.336		
19,600.0	8,575.0	20,856.0	10,057.3	269.6	274.4	-114.75	2,507.8	10,461.3	3,633.7	3,134.1	499.62	7.273		
19,700.0	8,575.0	20,956.0	10,059.0	272.0	276.8	-114.78	2,507.9	10,561.3	3,634.4	3,130.4	504.01	7.211		
19,800.0	8,575.0	21,056.0	10,060.6	274.5	279.3	-114.80	2,508.0	10,661.2	3,635.1	3,126.7	508.40	7.150		
19,900.0	8,575.0	21,155.9	10,062.3	276.9	281.7	-114.82	2,508.1	10,761.2	3,635.8	3,123.0	512.78	7.090		
20,000.0	8,575.0	21,255.9	10,063.9	279.3	284.1	-114.85	2,508.3	10,861.2	3,636.5	3,119.3	517.16	7.032		
20,100.0	8,575.0	21,355.9	10,065.5	281.8	286.6	-114.87	2,508.4	10,961.1	3,637.2	3,115.6	521.55	6.974		
20,200.0	8,575.0	21,455.9	10,067.2	284.2	289.0	-114.89	2,508.5	11,061.1	3,637.9	3,112.0	525.93	6.917		
20,300.0	8,575.0	21,555.9	10,068.8	286.6	291.4	-114.92	2,508.6	11,161.1	3,638.6	3,108.3	530.31	6.861		
20,400.0	8,575.0	21,655.9	10,070.5	289.1	293.9	-114.94	2,508.7	11,261.1	3,639.3	3,104.6	534.69	6.806		
20,500.0	8,575.0	21,755.9	10,072.1	291.5	296.3	-114.96	2,508.9	11,361.0	3,640.0	3,100.9	539.07	6.752		
20,600.0	8,575.0	21,855.8	10,073.7	294.0	298.8	-114.99	2,509.0	11,461.0	3,640.7	3,097.2	543.44	6.699		
20,700.0	8,575.0	21,955.8	10,075.4	296.4	301.2	-115.01	2,509.1	11,561.0	3,641.4	3,093.6	547.82	6.647		
20,800.0	8,575.0	22,055.8	10,077.0	298.9	303.6	-115.03	2,509.2	11,661.0	3,642.1	3,089.9	552.19	6.596		
20,900.0	8,575.0	22,155.8	10,078.7	301.3	306.1	-115.06	2,509.4	11,760.9	3,642.8	3,086.2	556.57	6.545		
21,000.0	8,575.0	22,255.8	10,080.3	303.7	308.5	-115.08	2,509.5	11,860.9	3,643.5	3,082.5	560.94	6.495		
21,100.0	8,575.0	22,355.8	10,081.9	306.2	310.9	-115.10	2,509.6	11,960.9	3,644.2	3,078.9	565.31	6.446		
21,200.0	8,575.0	22,459.4	10,083.2	308.6	313.5	-115.12	2,509.9	12,064.4	3,644.8	3,075.0	569.80	6.397		
21,213.6	8,575.0	22,472.9	10,083.4	309.0	313.8	-115.12	2,509.9	12,078.0	3,644.9	3,074.5	570.40	6.390 SF		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	0.0	0.0	0.0	0.0	-15.73	2,169.1	-610.9	2,253.8					
100.0	100.0	63.0	63.0	0.1	0.1	-15.73	2,169.1	-610.9	2,253.5	2,253.3	0.21	N/A		
200.0	200.0	163.0	163.0	0.5	0.4	-15.73	2,169.1	-610.9	2,253.5	2,252.6	0.84	2,680.760		
300.0	300.0	263.0	263.0	0.8	0.7	-15.73	2,169.1	-610.9	2,253.5	2,251.9	1.56	1,446.809		
400.0	400.0	363.0	363.0	1.2	1.1	-15.73	2,169.1	-610.9	2,253.5	2,251.2	2.27	990.762		
500.0	500.0	463.0	463.0	1.6	1.4	-15.73	2,169.1	-610.9	2,253.5	2,250.5	2.99	753.311		
600.0	600.0	563.0	563.0	1.9	1.8	-15.73	2,169.1	-610.9	2,253.5	2,249.8	3.71	607.674		
700.0	700.0	663.0	663.0	2.3	2.1	-15.73	2,169.1	-610.9	2,253.5	2,249.1	4.43	509.225		
800.0	800.0	763.0	763.0	2.6	2.5	-15.73	2,169.1	-610.9	2,253.5	2,248.3	5.14	438.228		
900.0	900.0	863.0	863.0	3.0	2.9	-15.73	2,169.1	-610.9	2,253.5	2,247.6	5.86	384.606		
1,000.0	1,000.0	963.0	963.0	3.4	3.2	-15.73	2,169.1	-610.9	2,253.5	2,246.9	6.58	342.676		
1,100.0	1,100.0	1,063.0	1,063.0	3.7	3.6	123.48	2,169.1	-610.9	2,254.7	2,247.4	7.28	309.805		
1,200.0	1,199.7	1,162.7	1,162.7	4.0	3.9	123.54	2,169.1	-610.9	2,258.3	2,250.3	7.97	283.373		
1,300.0	1,299.1	1,262.1	1,262.1	4.4	4.3	123.65	2,169.1	-610.9	2,264.4	2,255.7	8.67	261.214		
1,372.0	1,370.4	1,333.4	1,333.4	4.6	4.5	123.74	2,169.1	-610.9	2,270.2	2,261.1	9.18	247.349		
1,400.0	1,398.0	1,361.0	1,361.0	4.7	4.6	123.84	2,169.1	-610.9	2,272.8	2,263.4	9.38	242.352		
1,500.0	1,496.7	1,459.7	1,459.7	5.1	5.0	124.17	2,169.1	-610.9	2,281.9	2,271.8	10.09	226.046		
1,600.0	1,595.4	1,593.1	1,593.1	5.5	5.5	124.61	2,168.4	-611.0	2,290.7	2,279.7	10.93	209.621		
1,700.0	1,694.1	1,751.4	1,751.3	5.9	6.0	125.09	2,163.6	-611.5	2,297.1	2,285.3	11.82	194.342		
1,800.0	1,792.7	1,910.5	1,910.1	6.3	6.5	125.54	2,154.5	-612.6	2,301.1	2,288.4	12.72	180.888		
1,900.0	1,891.4	2,070.1	2,069.2	6.7	7.1	125.94	2,141.0	-614.1	2,302.6	2,288.9	13.63	168.940		
2,000.0	1,990.1	2,230.0	2,228.1	7.1	7.6	126.31	2,123.0	-616.2	2,301.4	2,286.9	14.54	158.276		
2,100.0	2,088.8	2,356.0	2,352.9	7.5	8.1	126.58	2,106.0	-618.2	2,298.2	2,282.8	15.36	149.660		
2,200.0	2,187.5	2,455.6	2,451.5	7.9	8.4	126.79	2,092.2	-619.8	2,294.6	2,278.5	16.10	142.528		
2,300.0	2,286.2	2,555.2	2,550.1	8.3	8.8	127.00	2,078.5	-621.4	2,291.2	2,274.3	16.85	135.993		
2,400.0	2,384.9	2,654.8	2,648.8	8.8	9.2	127.21	2,064.7	-623.0	2,287.7	2,270.1	17.60	129.989		
2,500.0	2,483.5	2,754.4	2,747.4	9.2	9.6	127.42	2,050.9	-624.7	2,284.3	2,266.0	18.35	124.458		
2,600.0	2,582.2	2,854.0	2,846.0	9.6	10.0	127.63	2,037.2	-626.3	2,280.9	2,261.8	19.11	119.350		
2,700.0	2,680.9	2,953.6	2,944.6	10.1	10.3	127.84	2,023.4	-627.9	2,277.6	2,257.7	19.87	114.619		
2,800.0	2,779.6	3,053.1	3,043.2	10.5	10.7	128.05	2,009.6	-629.5	2,274.2	2,253.6	20.63	110.229		
2,900.0	2,878.3	3,152.7	3,141.8	10.9	11.1	128.27	1,995.9	-631.1	2,271.0	2,249.6	21.40	106.144		
3,000.0	2,977.0	3,252.3	3,240.5	11.3	11.5	128.48	1,982.1	-632.7	2,267.7	2,245.5	22.16	102.336		
3,100.0	3,075.7	3,351.9	3,339.1	11.8	11.9	128.69	1,968.3	-634.3	2,264.5	2,241.5	22.92	98.778		
3,200.0	3,174.3	3,451.5	3,437.7	12.2	12.3	128.91	1,954.6	-635.9	2,261.3	2,237.6	23.69	95.448		
3,300.0	3,273.0	3,551.1	3,536.3	12.6	12.7	129.12	1,940.8	-637.5	2,258.1	2,233.7	24.46	92.324		
3,400.0	3,371.7	3,650.7	3,634.9	13.1	13.1	129.34	1,927.0	-639.1	2,255.0	2,229.8	25.23	89.390		
3,500.0	3,470.4	3,750.3	3,733.5	13.5	13.5	129.56	1,913.3	-640.7	2,251.9	2,225.9	25.99	86.628		
3,600.0	3,569.1	3,849.8	3,832.2	14.0	13.9	129.77	1,899.5	-642.3	2,248.8	2,222.1	26.76	84.025		
3,700.0	3,667.8	3,949.4	3,930.8	14.4	14.3	129.99	1,885.7	-643.9	2,245.8	2,218.2	27.53	81.568		
3,800.0	3,766.5	4,049.0	4,029.4	14.8	14.7	130.21	1,872.0	-645.5	2,242.8	2,214.5	28.30	79.244		
3,900.0	3,865.1	4,148.6	4,128.0	15.3	15.1	130.43	1,858.2	-647.1	2,239.8	2,210.7	29.07	77.044		
4,000.0	3,963.8	4,248.2	4,226.6	15.7	15.5	130.65	1,844.4	-648.7	2,236.9	2,207.0	29.84	74.959		
4,100.0	4,062.5	4,347.8	4,325.2	16.1	15.9	130.87	1,830.7	-650.3	2,234.0	2,203.4	30.61	72.980		
4,200.0	4,161.2	4,447.4	4,423.9	16.6	16.4	131.09	1,816.9	-651.9	2,231.1	2,199.7	31.38	71.098		
4,300.0	4,259.9	4,546.9	4,522.5	17.0	16.8	131.31	1,803.1	-653.6	2,228.3	2,196.1	32.15	69.308		
4,400.0	4,358.6	4,646.5	4,621.1	17.5	17.2	131.53	1,789.4	-655.2	2,225.5	2,192.5	32.92	67.603		
4,500.0	4,457.3	4,746.1	4,719.7	17.9	17.6	131.75	1,775.6	-656.8	2,222.7	2,189.0	33.69	65.978		
4,600.0	4,555.9	4,845.7	4,818.3	18.3	18.0	131.98	1,761.8	-658.4	2,220.0	2,185.5	34.46	64.426		
4,700.0	4,654.6	4,945.3	4,916.9	18.8	18.4	132.20	1,748.1	-660.0	2,217.3	2,182.0	35.23	62.943		
4,800.0	4,753.3	5,044.9	5,015.6	19.2	18.8	132.42	1,734.3	-661.6	2,214.6	2,178.6	36.00	61.525		
4,900.0	4,852.0	5,144.5	5,114.2	19.7	19.2	132.65	1,720.5	-663.2	2,212.0	2,175.2	36.76	60.168		
5,000.0	4,950.7	5,244.0	5,212.8	20.1	19.7	132.87	1,706.8	-664.8	2,209.4	2,171.8	37.53	58.868		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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	5,049.4	5,343.6	5,311.4	20.6	20.1	133.10	1,693.0	-666.4	2,206.8	2,168.5	38.30	57.621		
5,200.0	5,148.1	5,443.2	5,410.0	21.0	20.5	133.32	1,679.2	-668.0	2,204.3	2,165.2	39.07	56.425		
5,300.0	5,246.7	5,542.8	5,508.6	21.4	20.9	133.55	1,665.5	-669.6	2,201.8	2,161.9	39.83	55.276		
5,400.0	5,345.4	5,642.4	5,607.3	21.9	21.3	133.78	1,651.7	-671.2	2,199.3	2,158.7	40.60	54.172		
5,500.0	5,444.1	5,742.0	5,705.9	22.3	21.7	134.00	1,637.9	-672.8	2,196.9	2,155.5	41.36	53.110		
5,600.0	5,542.8	5,841.6	5,804.5	22.8	22.1	134.23	1,624.2	-674.4	2,194.5	2,152.4	42.13	52.088		
5,700.0	5,641.5	5,941.1	5,903.1	23.2	22.6	134.46	1,610.4	-676.0	2,192.1	2,149.3	42.90	51.105		
5,800.0	5,740.2	6,040.7	6,001.7	23.7	23.0	134.69	1,596.6	-677.6	2,189.8	2,146.2	43.66	50.156		
5,900.0	5,838.9	6,140.3	6,100.4	24.1	23.4	134.92	1,582.9	-679.2	2,187.5	2,143.1	44.42	49.242		
6,000.0	5,937.5	6,239.9	6,199.0	24.5	23.8	135.15	1,569.1	-680.9	2,185.3	2,140.1	45.19	48.360		
6,100.0	6,036.2	6,339.5	6,297.6	25.0	24.2	135.38	1,555.3	-682.5	2,183.1	2,137.1	45.95	47.509		
6,200.0	6,134.9	6,439.1	6,396.2	25.4	24.6	135.61	1,541.6	-684.1	2,180.9	2,134.2	46.71	46.687		
6,300.0	6,233.6	6,538.7	6,494.8	25.9	25.1	135.84	1,527.8	-685.7	2,178.8	2,131.3	47.48	45.892		
6,400.0	6,332.3	6,638.3	6,593.4	26.3	25.5	136.07	1,514.0	-687.3	2,176.7	2,128.4	48.24	45.124		
6,500.0	6,431.0	6,737.8	6,692.1	26.8	25.9	136.30	1,500.3	-688.9	2,174.6	2,125.6	49.00	44.380		
6,600.0	6,529.6	6,837.4	6,790.7	27.2	26.3	136.54	1,486.5	-690.5	2,172.5	2,122.8	49.76	43.661		
6,700.0	6,628.3	6,937.0	6,889.3	27.6	26.7	136.77	1,472.7	-692.1	2,170.5	2,120.0	50.52	42.965		
6,800.0	6,727.0	7,036.6	6,987.9	28.1	27.2	137.00	1,459.0	-693.7	2,168.6	2,117.3	51.28	42.290		
6,900.0	6,825.7	7,136.2	7,086.5	28.5	27.6	137.24	1,445.2	-695.3	2,166.7	2,114.6	52.04	41.636		
7,000.0	6,924.4	7,235.8	7,185.1	29.0	28.0	137.47	1,431.4	-696.9	2,164.8	2,112.0	52.80	41.002		
7,100.0	7,023.1	7,335.4	7,283.8	29.4	28.4	137.71	1,417.7	-698.5	2,162.9	2,109.4	53.55	40.387		
7,200.0	7,121.8	7,434.9	7,382.4	29.9	28.8	137.94	1,403.9	-700.1	2,161.1	2,106.8	54.31	39.790		
7,300.0	7,220.4	7,534.5	7,481.0	30.3	29.2	138.18	1,390.1	-701.7	2,159.3	2,104.2	55.07	39.211		
7,400.0	7,319.1	7,634.1	7,579.6	30.7	29.7	138.41	1,376.4	-703.3	2,157.6	2,101.7	55.83	38.648		
7,466.5	7,384.7	7,700.3	7,645.1	31.0	29.9	138.57	1,367.2	-704.4	2,156.4	2,100.1	56.33	38.283		
7,500.0	7,417.8	7,733.7	7,678.2	31.2	30.1	138.64	1,362.6	-704.9	2,155.8	2,099.2	56.58	38.100		
7,600.0	7,516.9	7,833.4	7,776.9	31.6	30.5	138.81	1,348.8	-706.5	2,152.4	2,095.1	57.33	37.545		
7,700.0	7,616.2	7,933.1	7,875.6	32.0	30.9	138.91	1,335.0	-708.2	2,147.2	2,089.1	58.07	36.977		
7,800.0	7,715.8	8,032.7	7,974.3	32.4	31.3	138.95	1,321.3	-709.8	2,140.0	2,081.2	58.80	36.396		
7,900.0	7,815.6	8,132.3	8,072.9	32.8	31.8	138.92	1,307.5	-711.4	2,130.8	2,071.3	59.51	35.803		
8,000.0	7,915.5	8,231.6	8,171.3	33.1	32.2	138.82	1,293.8	-713.0	2,119.6	2,059.4	60.22	35.197		
8,086.5	8,002.0	8,300.0	8,239.0	33.3	32.5	-0.49	1,284.3	-714.1	2,108.5	2,047.7	60.77	34.698		
8,100.0	8,015.5	8,315.8	8,254.7	33.4	32.5	-90.48	1,282.2	-714.3	2,106.7	2,045.8	60.86	34.613		
8,150.0	8,065.4	8,347.8	8,286.4	33.5	32.7	-91.19	1,278.2	-714.8	2,100.4	2,039.3	61.14	34.355		
8,200.0	8,114.8	8,379.4	8,317.8	33.6	32.8	-91.92	1,274.4	-715.2	2,094.6	2,033.2	61.40	34.115		
8,250.0	8,163.3	8,400.0	8,338.2	33.7	32.9	-92.57	1,272.1	-715.5	2,089.4	2,027.8	61.61	33.917		
8,300.0	8,210.6	8,441.0	8,379.0	33.8	33.0	-93.40	1,267.8	-716.0	2,084.9	2,023.0	61.87	33.698		
8,350.0	8,256.3	8,470.4	8,408.3	33.8	33.2	-94.11	1,265.0	-716.3	2,081.2	2,019.1	62.09	33.521		
8,400.0	8,300.1	8,500.0	8,437.8	33.9	33.3	-94.80	1,262.4	-716.6	2,078.3	2,016.0	62.29	33.363		
8,450.0	8,341.6	8,525.4	8,463.1	33.9	33.4	-95.38	1,260.4	-716.9	2,076.5	2,014.0	62.48	33.233		
8,500.0	8,380.6	8,550.5	8,488.1	33.9	33.5	-95.89	1,258.6	-717.1	2,075.8	2,013.1	62.67	33.122		
8,505.0	8,384.3	8,552.9	8,490.5	33.9	33.5	-95.94	1,258.4	-717.1	2,075.8	2,013.1	62.69	33.112 CC, ES		
8,550.0	8,416.6	8,573.8	8,511.3	33.9	33.5	-96.29	1,257.0	-717.3	2,076.3	2,013.4	62.86	33.032		
8,600.0	8,449.5	8,600.0	8,537.5	33.9	33.6	-96.66	1,255.4	-717.4	2,078.1	2,015.1	63.07	32.951		
8,650.0	8,479.0	8,614.1	8,551.6	33.9	33.7	-96.66	1,254.6	-717.5	2,081.3	2,018.1	63.24	32.913		
8,700.0	8,504.8	8,630.8	8,568.3	33.9	33.8	-96.59	1,253.7	-717.6	2,086.0	2,022.6	63.44	32.881		
8,750.0	8,526.9	8,645.1	8,582.6	33.8	33.8	-96.33	1,253.0	-717.7	2,092.2	2,028.5	63.65	32.868		
8,800.0	8,544.9	8,656.8	8,594.2	33.8	33.8	-95.85	1,252.5	-717.8	2,099.9	2,036.0	63.88	32.872		
8,850.0	8,558.8	8,665.7	8,603.2	33.8	33.9	-95.16	1,252.2	-717.8	2,109.1	2,045.0	64.12	32.893		
8,900.0	8,568.4	8,671.9	8,609.3	33.7	33.9	-94.23	1,251.9	-717.8	2,119.8	2,055.4	64.37	32.931		
8,950.0	8,573.8	8,675.3	8,612.7	33.7	33.9	-93.08	1,251.8	-717.9	2,131.9	2,067.3	64.63	32.988		
8,986.5	8,575.0	8,675.9	8,613.4	33.7	33.9	-92.10	1,251.7	-717.9	2,141.6	2,076.7	64.82	33.040		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
8,993.2	8,575.0	8,675.9	8,613.3	33.8	33.9	-92.10	1,251.7	-717.9	2,143.4	2,078.6	64.85	33.051		
9,000.0	8,575.0	8,675.9	8,613.3	33.8	33.9	-92.10	1,251.8	-717.9	2,145.3	2,080.4	64.89	33.062		
9,100.0	8,575.0	8,675.6	8,613.0	33.9	33.9	-92.09	1,251.8	-717.9	2,175.7	2,110.2	65.47	33.232		
9,200.0	8,575.0	8,675.3	8,612.7	34.4	33.9	-92.08	1,251.8	-717.9	2,210.1	2,144.0	66.13	33.420		
9,300.0	8,575.0	8,675.0	8,612.4	35.3	33.9	-92.07	1,251.8	-717.9	2,248.5	2,181.7	66.86	33.632		
9,400.0	8,575.0	8,674.7	8,612.1	36.3	33.9	-92.07	1,251.8	-717.9	2,290.6	2,223.0	67.62	33.873		
9,500.0	8,575.0	8,674.4	8,611.8	37.6	33.9	-92.06	1,251.8	-717.9	2,336.3	2,267.9	68.42	34.146		
9,600.0	8,575.0	8,674.1	8,611.5	38.9	33.9	-92.05	1,251.8	-717.9	2,385.2	2,316.0	69.23	34.454		
9,700.0	8,575.0	11,042.6	9,949.0	40.4	46.7	-125.48	1,176.3	566.2	2,431.2	2,355.2	76.04	31.974		
9,800.0	8,575.0	11,142.6	9,950.6	41.9	48.2	-125.51	1,176.4	666.2	2,432.1	2,353.5	78.63	30.933		
9,900.0	8,575.0	11,242.6	9,952.1	43.6	49.8	-125.54	1,176.6	766.2	2,433.0	2,351.7	81.34	29.913		
10,000.0	8,575.0	11,342.6	9,953.6	45.3	51.5	-125.57	1,176.7	866.1	2,433.9	2,349.8	84.15	28.922		
10,100.0	8,575.0	11,442.6	9,955.2	47.0	53.3	-125.60	1,176.8	966.1	2,434.8	2,347.8	87.07	27.964		
10,200.0	8,575.0	11,542.6	9,956.7	48.9	55.1	-125.63	1,176.9	1,066.1	2,435.7	2,345.7	90.08	27.040		
10,300.0	8,575.0	11,642.6	9,958.3	50.8	56.9	-125.66	1,177.0	1,166.1	2,436.6	2,343.5	93.16	26.155		
10,400.0	8,575.0	11,742.6	9,959.8	52.7	58.8	-125.69	1,177.2	1,266.0	2,437.5	2,341.2	96.32	25.307		
10,500.0	8,575.0	11,842.6	9,961.3	54.7	60.8	-125.71	1,177.3	1,366.0	2,438.4	2,338.9	99.54	24.497		
10,600.0	8,575.0	11,942.5	9,962.9	56.7	62.8	-125.74	1,177.4	1,466.0	2,439.3	2,336.5	102.82	23.725		
10,700.0	8,575.0	12,042.5	9,964.4	58.7	64.8	-125.77	1,177.5	1,566.0	2,440.2	2,334.1	106.15	22.989		
10,800.0	8,575.0	12,142.5	9,966.0	60.8	66.8	-125.80	1,177.6	1,665.9	2,441.1	2,331.6	109.53	22.288		
10,900.0	8,575.0	12,242.5	9,967.5	62.9	68.9	-125.83	1,177.8	1,765.9	2,442.0	2,329.1	112.95	21.621		
11,000.0	8,575.0	12,342.5	9,969.0	65.0	71.0	-125.86	1,177.9	1,865.9	2,443.0	2,326.5	116.41	20.986		
11,100.0	8,575.0	12,442.5	9,970.6	67.1	73.1	-125.89	1,178.0	1,965.9	2,443.9	2,324.0	119.90	20.382		
11,200.0	8,575.0	12,542.5	9,972.1	69.3	75.2	-125.92	1,178.1	2,065.9	2,444.8	2,321.3	123.43	19.807		
11,300.0	8,575.0	12,642.5	9,973.6	71.5	77.4	-125.95	1,178.2	2,165.8	2,445.7	2,318.7	126.98	19.260		
11,400.0	8,575.0	12,742.4	9,975.2	73.7	79.5	-125.98	1,178.3	2,265.8	2,446.6	2,316.0	130.56	18.739		
11,500.0	8,575.0	12,842.4	9,976.7	75.9	81.7	-126.01	1,178.5	2,365.8	2,447.5	2,313.3	134.17	18.242		
11,600.0	8,575.0	12,942.4	9,978.3	78.2	83.9	-126.04	1,178.6	2,465.8	2,448.4	2,310.6	137.80	17.768		
11,700.0	8,575.0	13,042.4	9,979.8	80.4	86.1	-126.06	1,178.7	2,565.7	2,449.3	2,307.9	141.44	17.317		
11,800.0	8,575.0	13,142.4	9,981.3	82.7	88.4	-126.09	1,178.8	2,665.7	2,450.2	2,305.1	145.11	16.886		
11,900.0	8,575.0	13,242.4	9,982.9	84.9	90.6	-126.12	1,178.9	2,765.7	2,451.1	2,302.3	148.79	16.474		
12,000.0	8,575.0	13,342.4	9,984.4	87.2	92.9	-126.15	1,179.1	2,865.7	2,452.0	2,299.5	152.49	16.080		
12,100.0	8,575.0	13,442.4	9,986.0	89.5	95.1	-126.18	1,179.2	2,965.6	2,452.9	2,296.7	156.20	15.704		
12,200.0	8,575.0	13,542.4	9,987.5	91.8	97.4	-126.21	1,179.3	3,065.6	2,453.9	2,293.9	159.92	15.344		
12,300.0	8,575.0	13,642.3	9,989.0	94.1	99.7	-126.24	1,179.4	3,165.6	2,454.8	2,291.1	163.65	15.000		
12,400.0	8,575.0	13,742.3	9,990.6	96.4	102.0	-126.27	1,179.5	3,265.6	2,455.7	2,288.3	167.40	14.669		
12,500.0	8,575.0	13,842.3	9,992.1	98.7	104.3	-126.30	1,179.7	3,365.5	2,456.6	2,285.4	171.16	14.353		
12,600.0	8,575.0	13,942.3	9,993.7	101.0	106.6	-126.33	1,179.8	3,465.5	2,457.5	2,282.6	174.92	14.049		
12,700.0	8,575.0	14,042.3	9,995.2	103.4	108.9	-126.35	1,179.9	3,565.5	2,458.4	2,279.7	178.70	13.758		
12,800.0	8,575.0	14,142.3	9,996.7	105.7	111.2	-126.38	1,180.0	3,665.5	2,459.3	2,276.9	182.48	13.478		
12,900.0	8,575.0	14,242.3	9,998.3	108.0	113.5	-126.41	1,180.1	3,765.5	2,460.3	2,274.0	186.26	13.208		
13,000.0	8,575.0	14,342.3	9,999.8	110.4	115.8	-126.44	1,180.2	3,865.4	2,461.2	2,271.1	190.06	12.950		
13,100.0	8,575.0	14,442.2	10,001.3	112.7	118.2	-126.47	1,180.4	3,965.4	2,462.1	2,268.2	193.86	12.700		
13,200.0	8,575.0	14,542.2	10,002.9	115.1	120.5	-126.50	1,180.5	4,065.4	2,463.0	2,265.3	197.66	12.461		
13,300.0	8,575.0	14,642.2	10,004.4	117.5	122.8	-126.53	1,180.6	4,165.4	2,463.9	2,262.4	201.47	12.229		
13,400.0	8,575.0	14,742.2	10,006.0	119.8	125.2	-126.56	1,180.7	4,265.3	2,464.8	2,259.6	205.29	12.007		
13,500.0	8,575.0	14,842.2	10,007.5	122.2	127.5	-126.58	1,180.8	4,365.3	2,465.8	2,256.7	209.11	11.792		
13,600.0	8,575.0	14,942.2	10,009.0	124.6	129.9	-126.61	1,181.0	4,465.3	2,466.7	2,253.8	212.93	11.584		
13,700.0	8,575.0	15,042.2	10,010.6	126.9	132.2	-126.64	1,181.1	4,565.3	2,467.6	2,250.8	216.76	11.384		
13,800.0	8,575.0	15,142.2	10,012.1	129.3	134.6	-126.67	1,181.2	4,665.2	2,468.5	2,247.9	220.59	11.191		
13,900.0	8,575.0	15,242.1	10,013.7	131.7	137.0	-126.70	1,181.3	4,765.2	2,469.4	2,245.0	224.42	11.004		
14,000.0	8,575.0	15,342.1	10,015.2	134.1	139.3	-126.73	1,181.4	4,865.2	2,470.4	2,242.1	228.25	10.823		

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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
14,100.0	8,575.0	15,442.1	10,016.7	136.4	141.7	-126.76	1,181.6	4,965.2	2,471.3	2,239.2	232.09	10.648		
14,200.0	8,575.0	15,542.1	10,018.3	138.8	144.1	-126.78	1,181.7	5,065.1	2,472.2	2,236.3	235.93	10.479		
14,300.0	8,575.0	15,642.1	10,019.8	141.2	146.5	-126.81	1,181.8	5,165.1	2,473.1	2,233.4	239.77	10.315		
14,400.0	8,575.0	15,742.1	10,021.3	143.6	148.8	-126.84	1,181.9	5,265.1	2,474.1	2,230.5	243.61	10.156		
14,500.0	8,575.0	15,842.1	10,022.9	146.0	151.2	-126.87	1,182.0	5,365.1	2,475.0	2,227.5	247.46	10.002		
14,600.0	8,575.0	15,942.1	10,024.4	148.4	153.6	-126.90	1,182.1	5,465.0	2,475.9	2,224.6	251.30	9.852		
14,700.0	8,575.0	16,042.1	10,026.0	150.8	156.0	-126.93	1,182.3	5,565.0	2,476.8	2,221.7	255.15	9.708		
14,800.0	8,575.0	16,142.0	10,027.5	153.2	158.4	-126.95	1,182.4	5,665.0	2,477.8	2,218.8	258.99	9.567		
14,900.0	8,575.0	16,242.0	10,029.0	155.6	160.8	-126.98	1,182.5	5,765.0	2,478.7	2,215.9	262.84	9.430		
15,000.0	8,575.0	16,342.0	10,030.6	158.0	163.2	-127.01	1,182.6	5,865.0	2,479.6	2,212.9	266.69	9.298		
15,100.0	8,575.0	16,442.0	10,032.1	160.4	165.6	-127.04	1,182.7	5,964.9	2,480.6	2,210.0	270.54	9.169		
15,200.0	8,575.0	16,542.0	10,033.7	162.8	168.0	-127.07	1,182.9	6,064.9	2,481.5	2,207.1	274.39	9.044		
15,300.0	8,575.0	16,642.0	10,035.2	165.2	170.3	-127.10	1,183.0	6,164.9	2,482.4	2,204.2	278.24	8.922		
15,400.0	8,575.0	16,742.0	10,036.7	167.6	172.7	-127.12	1,183.1	6,264.9	2,483.4	2,201.3	282.09	8.804		
15,500.0	8,575.0	16,842.0	10,038.3	170.0	175.1	-127.15	1,183.2	6,364.8	2,484.3	2,198.4	285.94	8.688		
15,600.0	8,575.0	16,941.9	10,039.8	172.5	177.6	-127.18	1,183.3	6,464.8	2,485.2	2,195.4	289.79	8.576		
15,700.0	8,575.0	17,041.9	10,041.4	174.9	180.0	-127.21	1,183.5	6,564.8	2,486.2	2,192.5	293.63	8.467		
15,800.0	8,575.0	17,141.9	10,042.9	177.3	182.4	-127.24	1,183.6	6,664.8	2,487.1	2,189.6	297.48	8.360		
15,900.0	8,575.0	17,241.9	10,044.4	179.7	184.8	-127.27	1,183.7	6,764.7	2,488.0	2,186.7	301.33	8.257		
16,000.0	8,575.0	17,341.9	10,046.0	182.1	187.2	-127.29	1,183.8	6,864.7	2,489.0	2,183.8	305.18	8.156		
16,100.0	8,575.0	17,441.9	10,047.5	184.5	189.6	-127.32	1,183.9	6,964.7	2,489.9	2,180.9	309.03	8.057		
16,200.0	8,575.0	17,541.9	10,049.0	187.0	192.0	-127.35	1,184.1	7,064.7	2,490.8	2,178.0	312.87	7.961		
16,300.0	8,575.0	17,641.9	10,050.6	189.4	194.4	-127.38	1,184.2	7,164.6	2,491.8	2,175.0	316.72	7.867		
16,400.0	8,575.0	17,741.9	10,052.1	191.8	196.8	-127.41	1,184.3	7,264.6	2,492.7	2,172.1	320.56	7.776		
16,500.0	8,575.0	17,841.8	10,053.7	194.2	199.2	-127.43	1,184.4	7,364.6	2,493.6	2,169.2	324.41	7.687		
16,600.0	8,575.0	17,941.8	10,055.2	196.6	201.6	-127.46	1,184.5	7,464.6	2,494.6	2,166.3	328.25	7.600		
16,700.0	8,575.0	18,041.8	10,056.7	199.1	204.1	-127.49	1,184.6	7,564.5	2,495.5	2,163.4	332.09	7.515		
16,800.0	8,575.0	18,141.8	10,058.3	201.5	206.5	-127.52	1,184.8	7,664.5	2,496.5	2,160.5	335.94	7.431		
16,900.0	8,575.0	18,241.8	10,059.8	203.9	208.9	-127.55	1,184.9	7,764.5	2,497.4	2,157.6	339.78	7.350		
17,000.0	8,575.0	18,341.8	10,061.4	206.3	211.3	-127.57	1,185.0	7,864.5	2,498.3	2,154.7	343.61	7.271		
17,100.0	8,575.0	18,441.8	10,062.9	208.8	213.7	-127.60	1,185.1	7,964.5	2,499.3	2,151.8	347.45	7.193		
17,200.0	8,575.0	18,541.8	10,064.4	211.2	216.1	-127.63	1,185.2	8,064.4	2,500.2	2,148.9	351.29	7.117		
17,300.0	8,575.0	18,641.7	10,066.0	213.6	218.6	-127.66	1,185.4	8,164.4	2,501.2	2,146.0	355.13	7.043		
17,400.0	8,575.0	18,741.7	10,067.5	216.0	221.0	-127.68	1,185.5	8,264.4	2,502.1	2,143.2	358.96	6.970		
17,500.0	8,575.0	18,841.7	10,069.0	218.5	223.4	-127.71	1,185.6	8,364.4	2,503.1	2,140.3	362.79	6.899		
17,600.0	8,575.0	18,941.7	10,070.6	220.9	225.8	-127.74	1,185.7	8,464.3	2,504.0	2,137.4	366.62	6.830		
17,700.0	8,575.0	19,041.7	10,072.1	223.3	228.3	-127.77	1,185.8	8,564.3	2,504.9	2,134.5	370.45	6.762		
17,800.0	8,575.0	19,141.7	10,073.7	225.8	230.7	-127.80	1,186.0	8,664.3	2,505.9	2,131.6	374.28	6.695		
17,900.0	8,575.0	19,241.7	10,075.2	228.2	233.1	-127.82	1,186.1	8,764.3	2,506.8	2,128.7	378.11	6.630		
18,000.0	8,575.0	19,341.7	10,076.7	230.6	235.5	-127.85	1,186.2	8,864.2	2,507.8	2,125.8	381.94	6.566		
18,100.0	8,575.0	19,441.7	10,078.3	233.0	238.0	-127.88	1,186.3	8,964.2	2,508.7	2,123.0	385.76	6.503		
18,200.0	8,575.0	19,541.6	10,079.8	235.5	240.4	-127.91	1,186.4	9,064.2	2,509.7	2,120.1	389.58	6.442		
18,300.0	8,575.0	19,641.6	10,081.4	237.9	242.8	-127.93	1,186.5	9,164.2	2,510.6	2,117.2	393.40	6.382		
18,400.0	8,575.0	19,741.6	10,082.9	240.3	245.2	-127.96	1,186.7	9,264.1	2,511.6	2,114.4	397.22	6.323		
18,500.0	8,575.0	19,841.6	10,084.4	242.8	247.7	-127.99	1,186.8	9,364.1	2,512.5	2,111.5	401.04	6.265		
18,600.0	8,575.0	19,941.6	10,086.0	245.2	250.1	-128.02	1,186.9	9,464.1	2,513.5	2,108.6	404.86	6.208		
18,700.0	8,575.0	20,041.6	10,087.5	247.6	252.5	-128.04	1,187.0	9,564.1	2,514.4	2,105.8	408.67	6.153		
18,800.0	8,575.0	20,141.6	10,089.1	250.1	255.0	-128.07	1,187.1	9,664.0	2,515.4	2,102.9	412.49	6.098		
18,900.0	8,575.0	20,241.6	10,090.6	252.5	257.4	-128.10	1,187.3	9,764.0	2,516.3	2,100.0	416.30	6.045		
19,000.0	8,575.0	20,341.5	10,092.1	255.0	259.8	-128.13	1,187.4	9,864.0	2,517.3	2,097.2	420.11	5.992		
19,100.0	8,575.0	20,441.5	10,093.7	257.4	262.2	-128.15	1,187.5	9,964.0	2,518.2	2,094.3	423.91	5.940		
19,200.0	8,575.0	20,541.5	10,095.2	259.8	264.7	-128.18	1,187.6	10,064.0	2,519.2	2,091.5	427.72	5.890		

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



## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	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		
19,300.0	8,575.0	20,641.5	10,096.7	262.3	267.1	-128.21	1,187.7	10,163.9	2,520.1	2,088.6	431.52	5.840		
19,400.0	8,575.0	20,741.5	10,098.3	264.7	269.5	-128.24	1,187.9	10,263.9	2,521.1	2,085.8	435.33	5.791		
19,500.0	8,575.0	20,841.5	10,099.8	267.1	272.0	-128.26	1,188.0	10,363.9	2,522.1	2,082.9	439.13	5.743		
19,600.0	8,575.0	20,941.5	10,101.4	269.6	274.4	-128.29	1,188.1	10,463.9	2,523.0	2,080.1	442.92	5.696		
19,700.0	8,575.0	21,041.5	10,102.9	272.0	276.8	-128.32	1,188.2	10,563.8	2,524.0	2,077.3	446.72	5.650		
19,800.0	8,575.0	21,141.5	10,104.4	274.5	279.3	-128.35	1,188.3	10,663.8	2,524.9	2,074.4	450.52	5.605		
19,900.0	8,575.0	21,241.4	10,106.0	276.9	281.7	-128.37	1,188.4	10,763.8	2,525.9	2,071.6	454.31	5.560		
20,000.0	8,575.0	21,341.4	10,107.5	279.3	284.1	-128.40	1,188.6	10,863.8	2,526.8	2,068.7	458.10	5.516		
20,100.0	8,575.0	21,441.4	10,109.1	281.8	286.6	-128.43	1,188.7	10,963.7	2,527.8	2,065.9	461.89	5.473		
20,200.0	8,575.0	21,541.4	10,110.6	284.2	289.0	-128.46	1,188.8	11,063.7	2,528.8	2,063.1	465.67	5.430		
20,300.0	8,575.0	21,641.4	10,112.1	286.6	291.5	-128.48	1,188.9	11,163.7	2,529.7	2,060.3	469.46	5.389		
20,400.0	8,575.0	21,741.4	10,113.7	289.1	293.9	-128.51	1,189.0	11,263.7	2,530.7	2,057.4	473.24	5.348		
20,500.0	8,575.0	21,841.4	10,115.2	291.5	296.3	-128.54	1,189.2	11,363.6	2,531.6	2,054.6	477.02	5.307		
20,600.0	8,575.0	21,941.4	10,116.7	294.0	298.8	-128.56	1,189.3	11,463.6	2,532.6	2,051.8	480.80	5.267		
20,700.0	8,575.0	22,041.3	10,118.3	296.4	301.2	-128.59	1,189.4	11,563.6	2,533.6	2,049.0	484.58	5.228		
20,800.0	8,575.0	22,141.3	10,119.8	298.9	303.6	-128.62	1,189.5	11,663.6	2,534.5	2,046.2	488.35	5.190		
20,900.0	8,575.0	22,241.3	10,121.4	301.3	306.1	-128.65	1,189.6	11,763.6	2,535.5	2,043.4	492.13	5.152		
21,000.0	8,575.0	22,341.3	10,122.9	303.7	308.5	-128.67	1,189.8	11,863.5	2,536.5	2,040.6	495.90	5.115		
21,100.0	8,575.0	22,441.3	10,124.4	306.2	311.0	-128.70	1,189.9	11,963.5	2,537.4	2,037.8	499.67	5.078		
21,200.0	8,575.0	22,541.3	10,126.0	308.6	313.4	-128.73	1,190.0	12,063.5	2,538.4	2,035.0	503.43	5.042		
21,213.6	8,575.0	22,554.9	10,126.2	309.0	313.7	-128.73	1,190.0	12,077.0	2,538.5	2,034.6	503.94	5.037 SF		

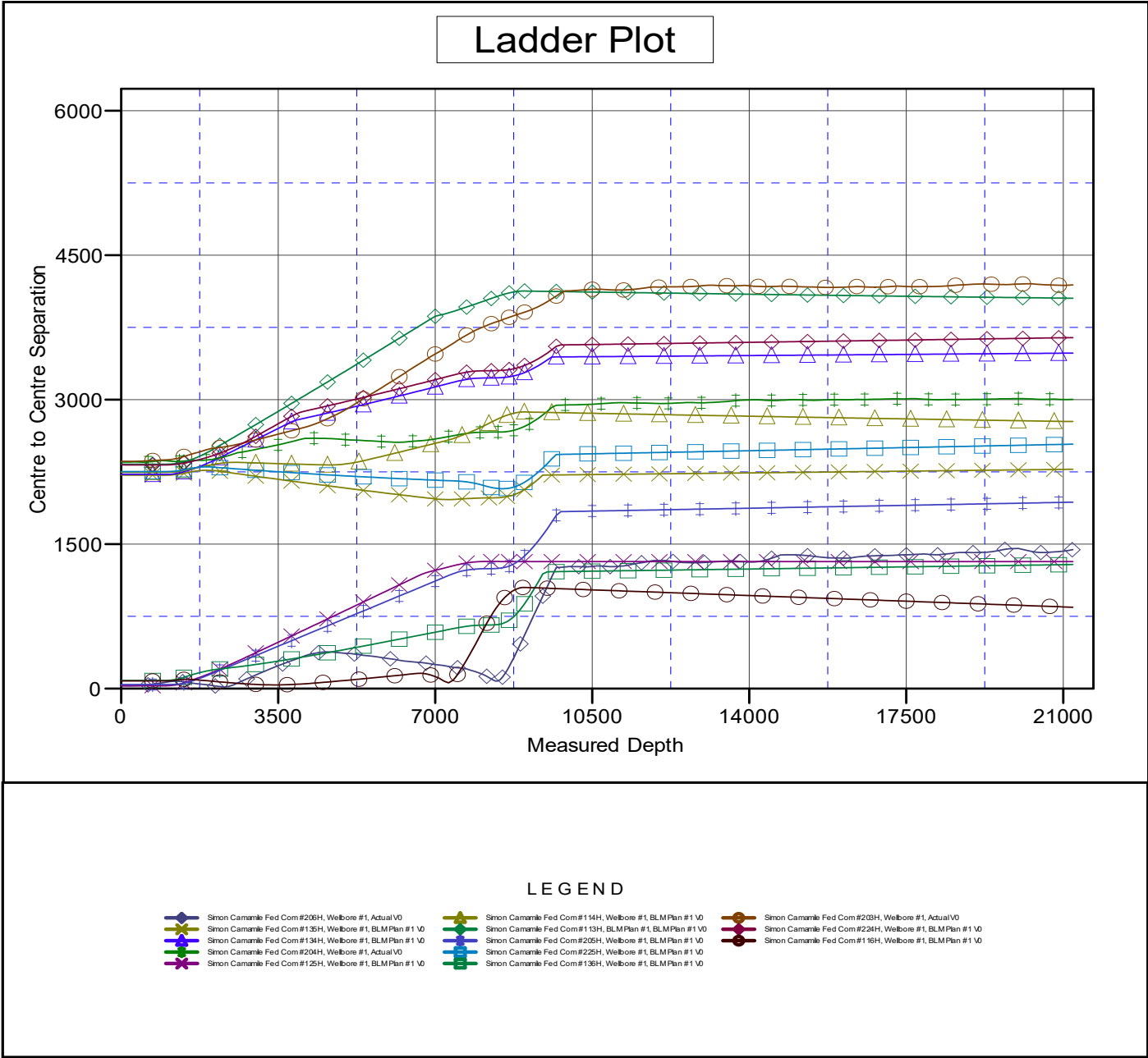
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well Simon Camamile Fed Com #126H
Project:	Ranger/Arrowhead	TVD Reference:	KB @ 3377.5usft
Reference Site:	Simon Camamile Fed Com	MD Reference:	KB @ 3377.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Simon Camamile Fed Com #126H	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 #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 3377.5usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Simon Camamile Fed Com #126H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: 0.15°



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

## Anticollision Report

<b>Company:</b>	Matador Production Company	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Project:</b>	Ranger/Arrowhead	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Reference Site:</b>	Simon Camamile Fed Com	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.14 Single User Db
<b>Reference Design:</b>	BLM Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB @ 3377.5usft

Offset Depths are relative to Offset Datum

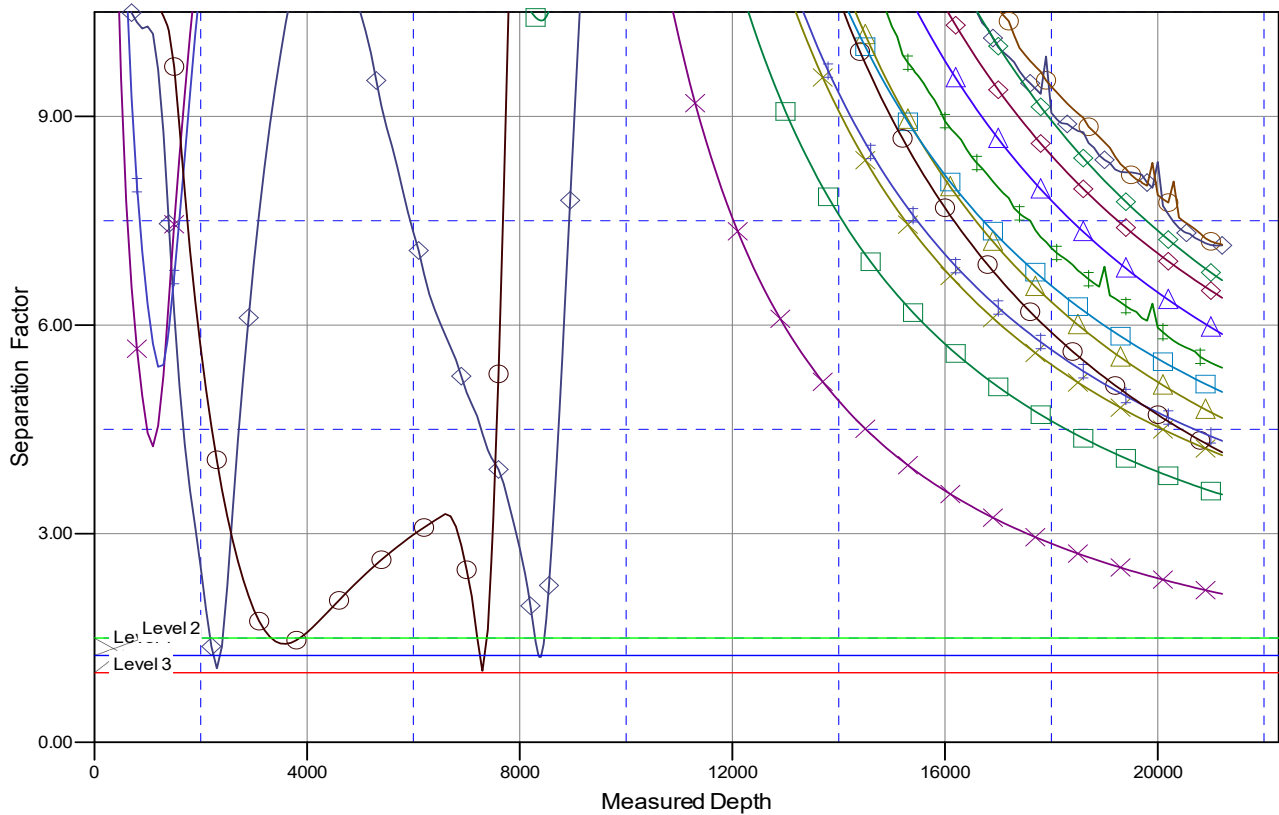
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Simon Camamile Fed Com #126H

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

Grid Convergence at Surface is: 0.15°

## Separation Factor Plot



## LEGEND

Simon Camamile Fed Com #206H, Wellbore #1, Actual VO	Simon Camamile Fed Com #114H, Wellbore #1, BLM Plan #1 VO	Simon Camamile Fed Com #203H, Wellbore #1, Actual VO
Simon Camamile Fed Com #135H, Wellbore #1, BLM Plan #1 VO	Simon Camamile Fed Com #113H, BLM Plan #1 VO	Simon Camamile Fed Com #224H, Wellbore #1, BLM Plan #1 VO
Simon Camamile Fed Com #134H, Wellbore #1, BLM Plan #1 VO	Simon Camamile Fed Com #205H, Wellbore #1, BLM Plan #1 VO	Simon Camamile Fed Com #116H, Wellbore #1, BLM Plan #1 VO
Simon Camamile Fed Com #208H, Wellbore #1, Actual VO	Simon Camamile Fed Com #225H, Wellbore #1, BLM Plan #1 VO	
Simon Camamile Fed Com #125H, Wellbore #1, BLM Plan #1 VO	Simon Camamile Fed Com #136H, Wellbore #1, BLM Plan #1 VO	

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





SURVEY PROGRAM

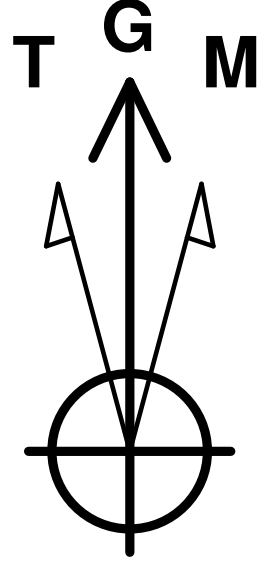
WELL DETAILS: Simon Camamile Fed Com #126H

Depth From	Depth To	Survey/Plan	Tool	+N/-S	+E/-W	Northing	GL @ 3349.0	KB @ 3377.5usft	Easting	Latitude	Longitude	Slot
0.0	21213.6	BLM Plan #1 (Wellbore #1)	MWD	0.0	0.0	547670.12			583395.13	32° 30' 19.313 N	104° 3' 46.146 W	

Company: Matador Production Company  
Well: Simon Camamile Fed Com #126H  
County: Eddy County, NM  
Wellbore: Wellbore #1  
Plan: BLM Plan #1  
Date: 03/28/2024

Geodetic System: US State Plane 1927 (Exact solution)  
Datum: NAD 1927 (NADCON CONUS)  
Ellipsoid: Clarke 1866  
Zone: New Mexico East 3001  
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.56°  
To convert a Magnetic Direction to a True Direction, Add 6.71° East  
To convert a True Direction to a Grid Direction, Subtract 0.15°



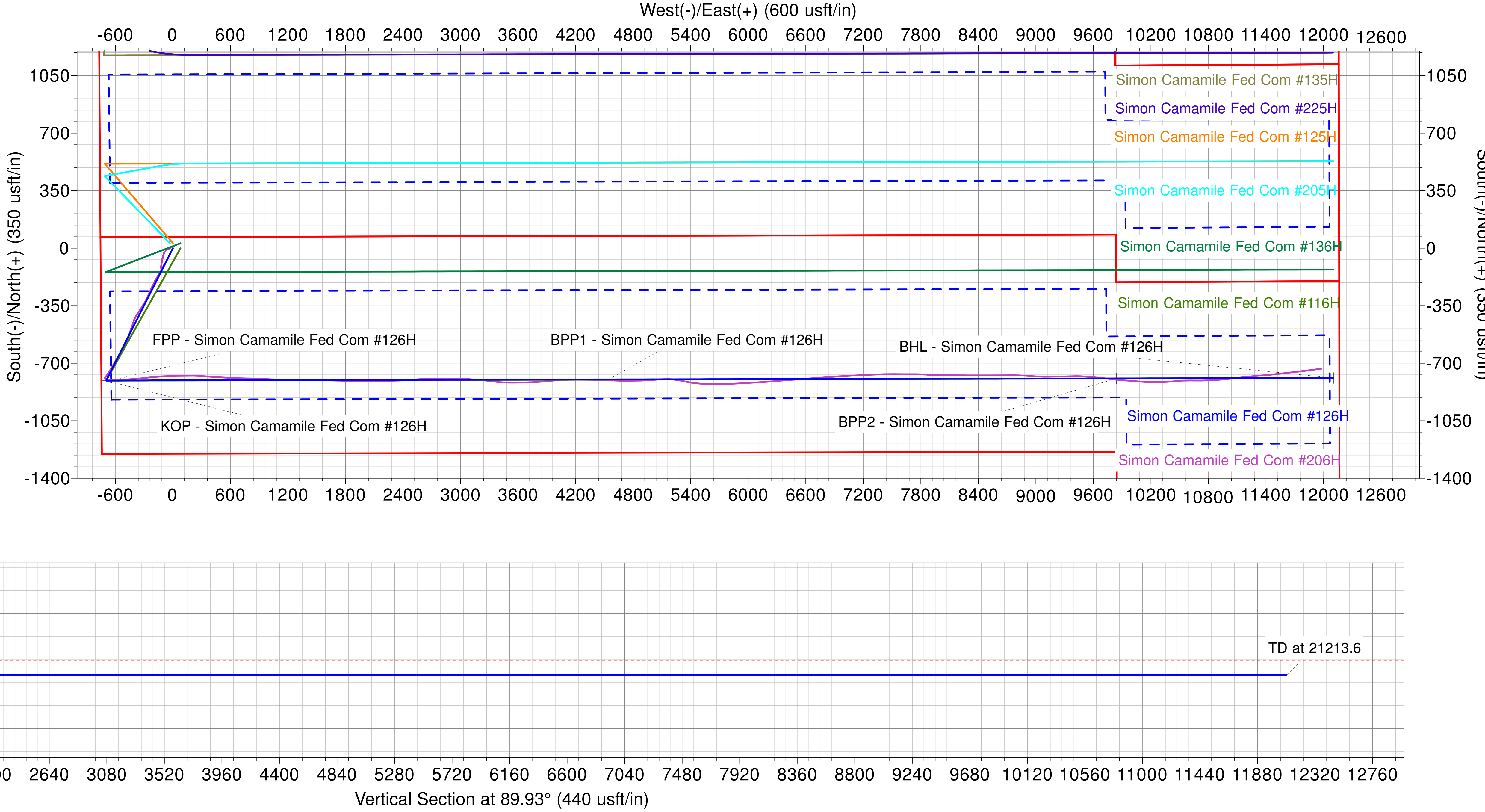
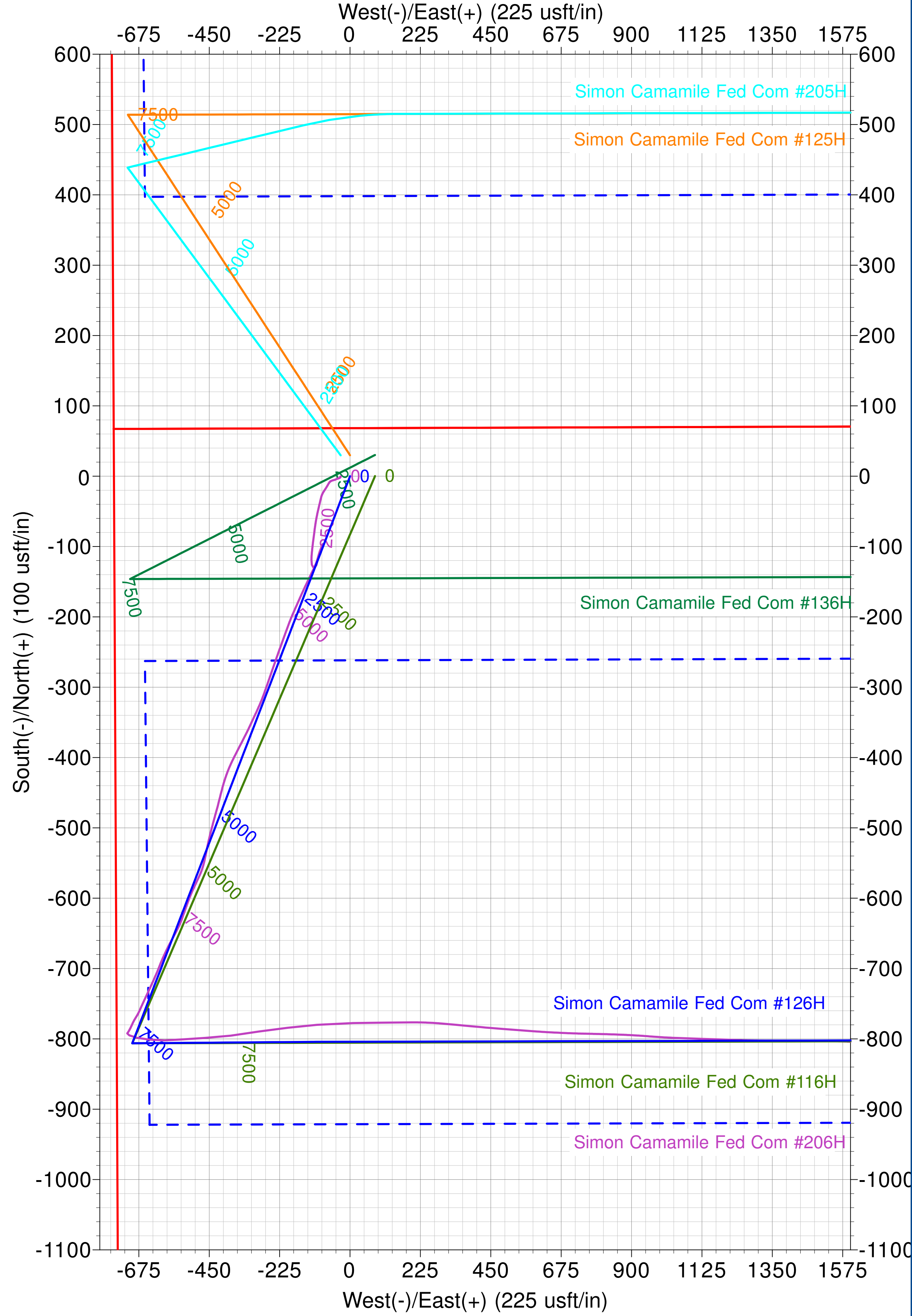
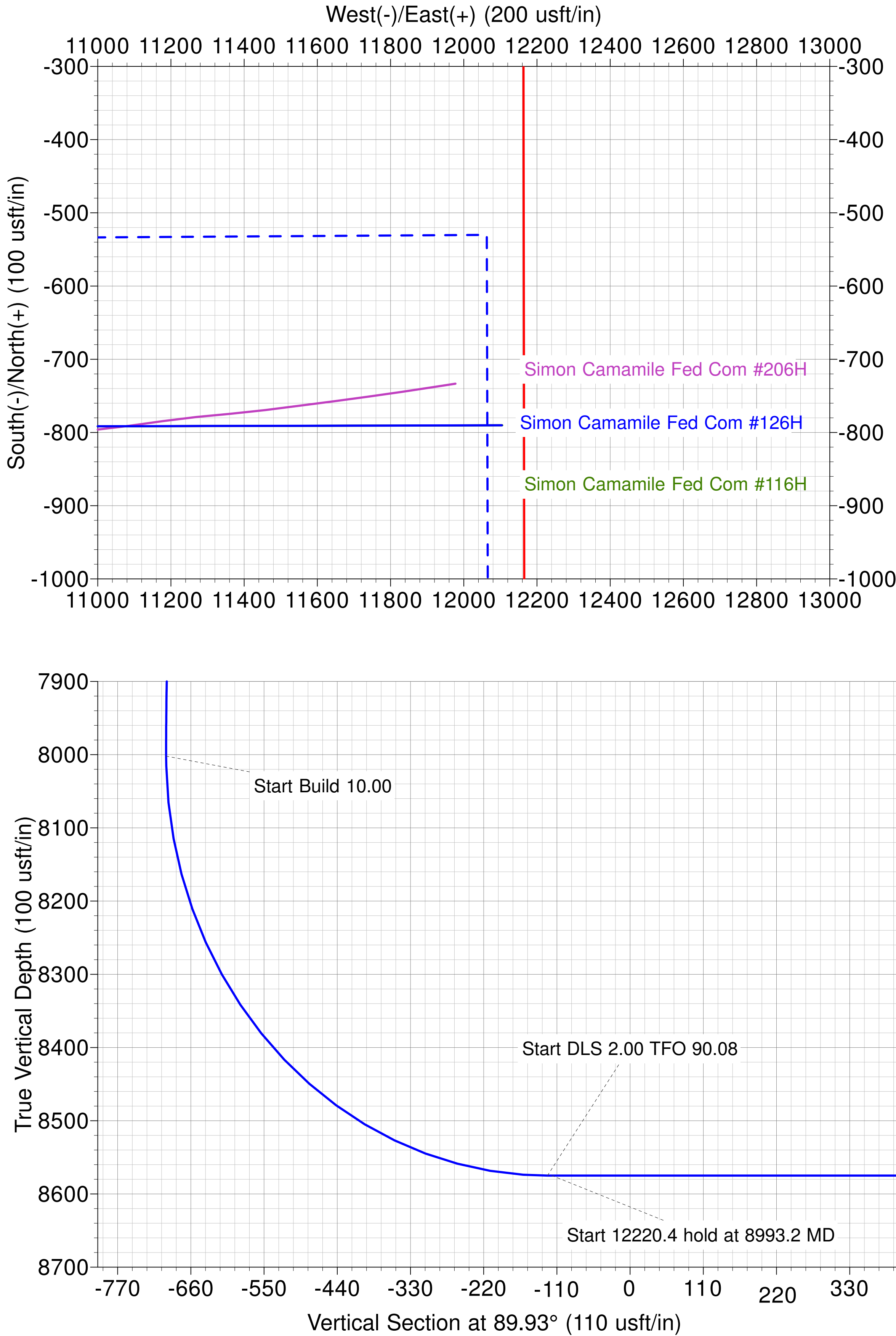
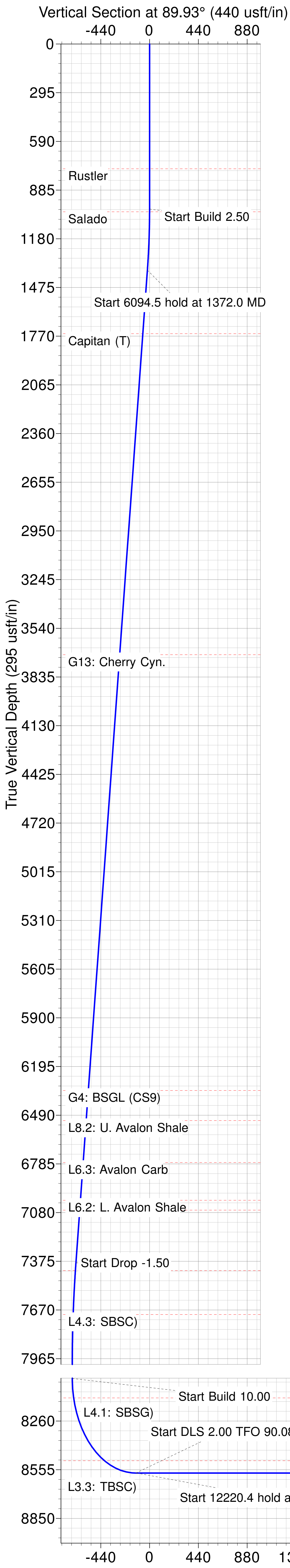
Azimuths to Grid North  
True North: -0.14°  
Magnetic North: 6.56°  
  
Magnetic Field  
Strength: 47583.1snT  
Dip Angle: 60.18°  
Date: 1/11/2022  
Model: IGRF2015

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
KOP - Simon Camamile Fed Com #126H	8002.0	-806.2	-696.2	546864.00	582699.00	32° 30' 11.353 N	104° 3' 54.299 W
BHL - Simon Camamile Fed Com #126H	8575.0	-790.2	-696.2	546879.98	595498.78	32° 30' 11.168 N	104° 1' 24.833 W
BPP1 - Simon Camamile Fed Com #126H	8575.0	-800.2	-696.2	546870.00	587933.00	32° 30' 11.278 N	104° 2' 53.180 W
BPP2 - Simon Camamile Fed Com #126H	8575.0	-793.1	-696.2	546877.00	593234.00	32° 30' 11.202 N	104° 1' 51.280 W
FPP - Simon Camamile Fed Com #126H	8575.0	-806.2	-646.2	546864.00	582749.00	32° 30' 11.351 N	104° 3' 53.715 W

SECTION DETIALS

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	
1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.50
1372.0	9.30	220.81	1370.4	-22.8	-19.7	2.50	220.81	-19.7	Start 6094.5 hold at 1372.0 MD
7466.5	9.30	220.81	7384.7	-768.2	-663.4	0.00	0.00	-664.3	Start Drop -1.50
8086.5	0.00	0.00	8002.0	-806.2	-696.2	1.50	180.00	-697.2	Start Build 10.00
8986.5	90.00	89.80	8575.0	-804.2	-123.3	10.00	89.80	-124.2	Start DLS 2.00 TFO 90.08
8993.2	90.00	89.93	8575.0	-804.2	-116.6	2.00	90.08	-117.5	Start 12220.4 hold at 8993.2 MD
21213.6	90.00	89.93	8575.0	-790.2	12103.8	0.00	0.00	12102.9	TD at 21213.6





# **Matador Production Company**

**Ranger/Arrowhead**

**Simon Camamile Fed Com**

**Simon Camamile Fed Com #126H**

**Wellbore #1**

**Plan: BLM Plan #1**

## **Standard Planning Report**

**28 March, 2024**

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Simon Camamile Fed Com #126H
Company:	Matador Production Company	TVD Reference:	KB @ 3377.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3377.5usft
Site:	Simon Camamile Fed Com	North Reference:	Grid
Well:	Simon Camamile Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Project	Ranger/Arrowhead		
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		Simon Camamile Fed Com			
Site Position:		Northing:	547,700.30 usft	Latitude:	32° 30' 19.609 N
From:	Lat/Long	Easting:	583,475.03 usft	Longitude:	104° 3' 45.212 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 °

Well	Simon Camamile Fed Com #126H					
Well Position	+N/-S	-30.2 usft	Northing:	547,670.12 usft	Latitude:	32° 30' 19.313 N
	+E/-W	-79.9 usft	Easting:	583,395.13 usft	Longitude:	104° 3' 46.146 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,349.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/11/2022	6.71	60.18	47,583.07799402

Design	BLM Plan #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	89.93

Plan Survey Tool Program		Date	3/28/2024		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	21,213.6	BLM Plan #1 (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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,372.0	9.30	220.81	1,370.4	-22.8	-19.7	2.50	2.50	0.00	220.81	
7,466.5	9.30	220.81	7,384.7	-768.2	-663.4	0.00	0.00	0.00	0.00	
8,086.5	0.00	0.00	8,002.0	-806.2	-696.2	1.50	-1.50	0.00	180.00	KOP - Simon Camam
8,986.5	90.00	89.80	8,575.0	-804.2	-123.3	10.00	10.00	0.00	89.80	
8,993.2	90.00	89.93	8,575.0	-804.2	-116.6	2.00	0.00	2.00	90.08	
21,213.6	90.00	89.93	8,575.0	-790.2	12,103.8	0.00	0.00	0.00	0.00	BHL - Simon Camami

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Project:</b>	Ranger/Arrowhead	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site:</b>	Simon Camamile Fed Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	BLM Plan #1		

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
756.1	0.00	0.00	756.1	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
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
Start Build 2.50									
1,016.7	0.42	220.81	1,016.7	0.0	0.0	0.0	2.50	2.50	0.00
Salado									
1,100.0	2.50	220.81	1,100.0	-1.7	-1.4	-1.4	2.50	2.50	0.00
1,200.0	5.00	220.81	1,199.7	-6.6	-5.7	-5.7	2.50	2.50	0.00
1,300.0	7.50	220.81	1,299.1	-14.8	-12.8	-12.8	2.50	2.50	0.00
1,372.0	9.30	220.81	1,370.4	-22.8	-19.7	-19.7	2.50	2.50	0.00
Start 6094.5 hold at 1372.0 MD									
1,400.0	9.30	220.81	1,398.0	-26.2	-22.6	-22.7	0.00	0.00	0.00
1,500.0	9.30	220.81	1,496.7	-38.5	-33.2	-33.3	0.00	0.00	0.00
1,600.0	9.30	220.81	1,595.4	-50.7	-43.8	-43.8	0.00	0.00	0.00
1,700.0	9.30	220.81	1,694.1	-62.9	-54.3	-54.4	0.00	0.00	0.00
1,762.0	9.30	220.81	1,755.2	-70.5	-60.9	-61.0	0.00	0.00	0.00
Capitan (T)									
1,800.0	9.30	220.81	1,792.7	-75.1	-64.9	-65.0	0.00	0.00	0.00
1,900.0	9.30	220.81	1,891.4	-87.4	-75.5	-75.6	0.00	0.00	0.00
2,000.0	9.30	220.81	1,990.1	-99.6	-86.0	-86.1	0.00	0.00	0.00
2,100.0	9.30	220.81	2,088.8	-111.8	-96.6	-96.7	0.00	0.00	0.00
2,200.0	9.30	220.81	2,187.5	-124.1	-107.1	-107.3	0.00	0.00	0.00
2,300.0	9.30	220.81	2,286.2	-136.3	-117.7	-117.9	0.00	0.00	0.00
2,400.0	9.30	220.81	2,384.9	-148.5	-128.3	-128.4	0.00	0.00	0.00
2,500.0	9.30	220.81	2,483.5	-160.8	-138.8	-139.0	0.00	0.00	0.00
2,600.0	9.30	220.81	2,582.2	-173.0	-149.4	-149.6	0.00	0.00	0.00
2,700.0	9.30	220.81	2,680.9	-185.2	-160.0	-160.2	0.00	0.00	0.00
2,800.0	9.30	220.81	2,779.6	-197.5	-170.5	-170.8	0.00	0.00	0.00
2,900.0	9.30	220.81	2,878.3	-209.7	-181.1	-181.3	0.00	0.00	0.00
3,000.0	9.30	220.81	2,977.0	-221.9	-191.6	-191.9	0.00	0.00	0.00
3,100.0	9.30	220.81	3,075.7	-234.2	-202.2	-202.5	0.00	0.00	0.00
3,200.0	9.30	220.81	3,174.3	-246.4	-212.8	-213.1	0.00	0.00	0.00
3,300.0	9.30	220.81	3,273.0	-258.6	-223.3	-223.6	0.00	0.00	0.00
3,400.0	9.30	220.81	3,371.7	-270.8	-233.9	-234.2	0.00	0.00	0.00
3,500.0	9.30	220.81	3,470.4	-283.1	-244.5	-244.8	0.00	0.00	0.00
3,600.0	9.30	220.81	3,569.1	-295.3	-255.0	-255.4	0.00	0.00	0.00
3,700.0	9.30	220.81	3,667.8	-307.5	-265.6	-266.0	0.00	0.00	0.00
3,732.8	9.30	220.81	3,700.1	-311.5	-269.0	-269.4	0.00	0.00	0.00
G13: Cherry Cyn.									
3,800.0	9.30	220.81	3,766.5	-319.8	-276.1	-276.5	0.00	0.00	0.00
3,900.0	9.30	220.81	3,865.1	-332.0	-286.7	-287.1	0.00	0.00	0.00
4,000.0	9.30	220.81	3,963.8	-344.2	-297.3	-297.7	0.00	0.00	0.00
4,100.0	9.30	220.81	4,062.5	-356.5	-307.8	-308.3	0.00	0.00	0.00



## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Project:</b>	Ranger/Arrowhead	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site:</b>	Simon Camamile Fed Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	BLM Plan #1		

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)	
4,200.0	9.30	220.81	4,161.2	-368.7	-318.4	-318.8	0.00	0.00	0.00	
4,300.0	9.30	220.81	4,259.9	-380.9	-329.0	-329.4	0.00	0.00	0.00	
4,400.0	9.30	220.81	4,358.6	-393.2	-339.5	-340.0	0.00	0.00	0.00	
4,500.0	9.30	220.81	4,457.3	-405.4	-350.1	-350.6	0.00	0.00	0.00	
4,600.0	9.30	220.81	4,555.9	-417.6	-360.6	-361.1	0.00	0.00	0.00	
4,700.0	9.30	220.81	4,654.6	-429.9	-371.2	-371.7	0.00	0.00	0.00	
4,800.0	9.30	220.81	4,753.3	-442.1	-381.8	-382.3	0.00	0.00	0.00	
4,900.0	9.30	220.81	4,852.0	-454.3	-392.3	-392.9	0.00	0.00	0.00	
5,000.0	9.30	220.81	4,950.7	-466.5	-402.9	-403.5	0.00	0.00	0.00	
5,100.0	9.30	220.81	5,049.4	-478.8	-413.4	-414.0	0.00	0.00	0.00	
5,200.0	9.30	220.81	5,148.1	-491.0	-424.0	-424.6	0.00	0.00	0.00	
5,300.0	9.30	220.81	5,246.7	-503.2	-434.6	-435.2	0.00	0.00	0.00	
5,400.0	9.30	220.81	5,345.4	-515.5	-445.1	-445.8	0.00	0.00	0.00	
5,500.0	9.30	220.81	5,444.1	-527.7	-455.7	-456.3	0.00	0.00	0.00	
5,600.0	9.30	220.81	5,542.8	-539.9	-466.3	-466.9	0.00	0.00	0.00	
5,700.0	9.30	220.81	5,641.5	-552.2	-476.8	-477.5	0.00	0.00	0.00	
5,800.0	9.30	220.81	5,740.2	-564.4	-487.4	-488.1	0.00	0.00	0.00	
5,900.0	9.30	220.81	5,838.9	-576.6	-497.9	-498.7	0.00	0.00	0.00	
6,000.0	9.30	220.81	5,937.5	-588.9	-508.5	-509.2	0.00	0.00	0.00	
6,100.0	9.30	220.81	6,036.2	-601.1	-519.1	-519.8	0.00	0.00	0.00	
6,200.0	9.30	220.81	6,134.9	-613.3	-529.6	-530.4	0.00	0.00	0.00	
6,300.0	9.30	220.81	6,233.6	-625.5	-540.2	-541.0	0.00	0.00	0.00	
6,400.0	9.30	220.81	6,332.3	-637.8	-550.8	-551.5	0.00	0.00	0.00	
6,408.2	9.30	220.81	6,340.4	-638.8	-551.6	-552.4	0.00	0.00	0.00	
<b>G4: BSGI (CS9)</b>										
6,500.0	9.30	220.81	6,431.0	-650.0	-561.3	-562.1	0.00	0.00	0.00	
6,592.9	9.30	220.81	6,522.6	-661.4	-571.1	-571.9	0.00	0.00	0.00	
<b>L8.2: U. Avalon Shale</b>										
6,600.0	9.30	220.81	6,529.6	-662.2	-571.9	-572.7	0.00	0.00	0.00	
6,700.0	9.30	220.81	6,628.3	-674.5	-582.4	-583.3	0.00	0.00	0.00	
6,800.0	9.30	220.81	6,727.0	-686.7	-593.0	-593.8	0.00	0.00	0.00	
6,850.1	9.30	220.81	6,776.5	-692.8	-598.3	-599.1	0.00	0.00	0.00	
<b>L6.3: Avalon Carb</b>										
6,900.0	9.30	220.81	6,825.7	-698.9	-603.6	-604.4	0.00	0.00	0.00	
7,000.0	9.30	220.81	6,924.4	-711.2	-614.1	-615.0	0.00	0.00	0.00	
7,082.2	9.30	220.81	7,005.5	-721.2	-622.8	-623.7	0.00	0.00	0.00	
<b>L6.2: L. Avalon Shale</b>										
7,100.0	9.30	220.81	7,023.1	-723.4	-624.7	-625.6	0.00	0.00	0.00	
7,142.6	9.30	220.81	7,065.1	-728.6	-629.2	-630.1	0.00	0.00	0.00	
<b>L5.3: FBSC)</b>										
7,200.0	9.30	220.81	7,121.8	-735.6	-635.3	-636.2	0.00	0.00	0.00	
7,300.0	9.30	220.81	7,220.4	-747.9	-645.8	-646.7	0.00	0.00	0.00	
7,400.0	9.30	220.81	7,319.1	-760.1	-656.4	-657.3	0.00	0.00	0.00	
7,466.5	9.30	220.81	7,384.7	-768.2	-663.4	-664.3	0.00	0.00	0.00	
<b>Start Drop -1.50</b>										
7,500.0	8.80	220.81	7,417.8	-772.2	-666.8	-667.8	1.50	-1.50	0.00	
7,514.1	8.59	220.81	7,431.8	-773.8	-668.2	-669.2	1.50	-1.50	0.00	
<b>L5.1: FBSC)</b>										
7,600.0	7.30	220.81	7,516.9	-782.8	-676.0	-677.0	1.50	-1.50	0.00	
7,700.0	5.80	220.81	7,616.2	-791.4	-683.4	-684.4	1.50	-1.50	0.00	
7,782.0	4.57	220.81	7,697.9	-797.0	-688.3	-689.3	1.50	-1.50	0.00	
<b>L4.3: SBSC)</b>										
7,800.0	4.30	220.81	7,715.8	-798.1	-689.2	-690.2	1.50	-1.50	0.00	

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Project:</b>	Ranger/Arrowhead	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site:</b>	Simon Camamile Fed Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	BLM Plan #1		

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)
7,900.0	2.80	220.81	7,815.6	-802.8	-693.2	-694.2	1.50	-1.50	0.00
8,000.0	1.30	220.81	7,915.5	-805.5	-695.6	-696.6	1.50	-1.50	0.00
8,086.5	0.00	0.00	8,002.0	-806.2	-696.2	-697.2	1.50	-1.50	160.99
Start Build 10.00 - KOP - Simon Camamile Fed Com #126H									
8,100.0	1.35	89.80	8,015.5	-806.2	-696.1	-697.0	10.00	10.00	663.13
8,200.0	11.35	89.80	8,114.8	-806.2	-685.0	-686.0	10.00	10.00	0.00
8,205.1	11.86	89.80	8,119.8	-806.2	-684.0	-685.0	10.00	10.00	0.00
L4.1: SBSG)									
8,300.0	21.35	89.80	8,210.6	-806.1	-656.9	-657.9	10.00	10.00	0.00
8,400.0	31.35	89.80	8,300.1	-805.9	-612.5	-613.5	10.00	10.00	0.00
8,500.0	41.35	89.80	8,380.6	-805.7	-553.3	-554.3	10.00	10.00	0.00
8,567.1	48.06	89.80	8,428.2	-805.6	-506.2	-507.2	10.00	10.00	0.00
FPP - Simon Camamile Fed Com #126H									
8,600.0	51.35	89.80	8,449.5	-805.5	-481.1	-482.1	10.00	10.00	0.00
8,691.1	60.46	89.80	8,500.5	-805.2	-405.7	-406.7	10.00	10.00	0.00
L3.3: TBSC)									
8,700.0	61.35	89.80	8,504.8	-805.2	-397.9	-398.9	10.00	10.00	0.00
8,800.0	71.35	89.80	8,544.9	-804.9	-306.4	-307.4	10.00	10.00	0.00
8,900.0	81.35	89.80	8,568.4	-804.5	-209.4	-210.4	10.00	10.00	0.00
8,986.5	90.00	89.80	8,575.0	-804.2	-123.3	-124.2	10.00	10.00	0.00
Start DLS 2.00 TFO 90.08									
8,993.2	90.00	89.93	8,575.0	-804.2	-116.6	-117.5	2.00	0.00	2.00
Start 12220.4 hold at 8993.2 MD									
9,000.0	90.00	89.93	8,575.0	-804.2	-109.7	-110.7	0.00	0.00	0.00
9,100.0	90.00	89.93	8,575.0	-804.1	-9.7	-10.7	0.00	0.00	0.00
9,200.0	90.00	89.93	8,575.0	-804.0	90.3	89.3	0.00	0.00	0.00
9,300.0	90.00	89.93	8,575.0	-803.8	190.3	189.3	0.00	0.00	0.00
9,400.0	90.00	89.93	8,575.0	-803.7	290.3	289.3	0.00	0.00	0.00
9,500.0	90.00	89.93	8,575.0	-803.6	390.3	389.3	0.00	0.00	0.00
9,600.0	90.00	89.93	8,575.0	-803.5	490.3	489.3	0.00	0.00	0.00
9,700.0	90.00	89.93	8,575.0	-803.4	590.3	589.3	0.00	0.00	0.00
9,800.0	90.00	89.93	8,575.0	-803.3	690.3	689.3	0.00	0.00	0.00
9,900.0	90.00	89.93	8,575.0	-803.2	790.3	789.3	0.00	0.00	0.00
10,000.0	90.00	89.93	8,575.0	-803.0	890.3	889.3	0.00	0.00	0.00
10,100.0	90.00	89.93	8,575.0	-802.9	990.3	989.3	0.00	0.00	0.00
10,200.0	90.00	89.93	8,575.0	-802.8	1,090.3	1,089.3	0.00	0.00	0.00
10,300.0	90.00	89.93	8,575.0	-802.7	1,190.3	1,189.3	0.00	0.00	0.00
10,400.0	90.00	89.93	8,575.0	-802.6	1,290.3	1,289.3	0.00	0.00	0.00
10,500.0	90.00	89.93	8,575.0	-802.5	1,390.3	1,389.3	0.00	0.00	0.00
10,600.0	90.00	89.93	8,575.0	-802.4	1,490.3	1,489.3	0.00	0.00	0.00
10,700.0	90.00	89.93	8,575.0	-802.2	1,590.3	1,589.3	0.00	0.00	0.00
10,800.0	90.00	89.93	8,575.0	-802.1	1,690.3	1,689.3	0.00	0.00	0.00
10,900.0	90.00	89.93	8,575.0	-802.0	1,790.3	1,789.3	0.00	0.00	0.00
11,000.0	90.00	89.93	8,575.0	-801.9	1,890.3	1,889.3	0.00	0.00	0.00
11,100.0	90.00	89.93	8,575.0	-801.8	1,990.3	1,989.3	0.00	0.00	0.00
11,200.0	90.00	89.93	8,575.0	-801.7	2,090.3	2,089.3	0.00	0.00	0.00
11,300.0	90.00	89.93	8,575.0	-801.5	2,190.3	2,189.3	0.00	0.00	0.00
11,400.0	90.00	89.93	8,575.0	-801.4	2,290.3	2,289.3	0.00	0.00	0.00
11,500.0	90.00	89.93	8,575.0	-801.3	2,390.3	2,389.3	0.00	0.00	0.00
11,600.0	90.00	89.93	8,575.0	-801.2	2,490.3	2,489.3	0.00	0.00	0.00
11,700.0	90.00	89.93	8,575.0	-801.1	2,590.3	2,589.3	0.00	0.00	0.00
11,800.0	90.00	89.93	8,575.0	-801.0	2,690.3	2,689.3	0.00	0.00	0.00
11,900.0	90.00	89.93	8,575.0	-800.9	2,790.3	2,789.3	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Project:</b>	Ranger/Arrowhead	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site:</b>	Simon Camamile Fed Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	BLM Plan #1		

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)
12,000.0	90.00	89.93	8,575.0	-800.7	2,890.3	2,889.3	0.00	0.00	0.00
12,100.0	90.00	89.93	8,575.0	-800.6	2,990.3	2,989.3	0.00	0.00	0.00
12,200.0	90.00	89.93	8,575.0	-800.5	3,090.3	3,089.3	0.00	0.00	0.00
12,300.0	90.00	89.93	8,575.0	-800.4	3,190.3	3,189.3	0.00	0.00	0.00
12,400.0	90.00	89.93	8,575.0	-800.3	3,290.3	3,289.3	0.00	0.00	0.00
12,500.0	90.00	89.93	8,575.0	-800.2	3,390.3	3,389.3	0.00	0.00	0.00
12,600.0	90.00	89.93	8,575.0	-800.1	3,490.3	3,489.3	0.00	0.00	0.00
12,700.0	90.00	89.93	8,575.0	-799.9	3,590.3	3,589.3	0.00	0.00	0.00
12,800.0	90.00	89.93	8,575.0	-799.8	3,690.3	3,689.3	0.00	0.00	0.00
12,900.0	90.00	89.93	8,575.0	-799.7	3,790.3	3,789.3	0.00	0.00	0.00
13,000.0	90.00	89.93	8,575.0	-799.6	3,890.3	3,889.3	0.00	0.00	0.00
13,100.0	90.00	89.93	8,575.0	-799.5	3,990.3	3,989.3	0.00	0.00	0.00
13,200.0	90.00	89.93	8,575.0	-799.4	4,090.3	4,089.3	0.00	0.00	0.00
13,300.0	90.00	89.93	8,575.0	-799.3	4,190.3	4,189.3	0.00	0.00	0.00
13,400.0	90.00	89.93	8,575.0	-799.1	4,290.3	4,289.3	0.00	0.00	0.00
13,500.0	90.00	89.93	8,575.0	-799.0	4,390.3	4,389.3	0.00	0.00	0.00
13,600.0	90.00	89.93	8,575.0	-798.9	4,490.3	4,489.3	0.00	0.00	0.00
13,647.9	90.00	89.93	8,575.0	-798.9	4,538.1	4,537.2	0.00	0.00	0.00
<b>BPP1 - Simon Camamile Fed Com #126H</b>									
13,700.0	90.00	89.93	8,575.0	-798.8	4,590.3	4,589.3	0.00	0.00	0.00
13,800.0	90.00	89.93	8,575.0	-798.7	4,690.3	4,689.3	0.00	0.00	0.00
13,900.0	90.00	89.93	8,575.0	-798.6	4,790.3	4,789.3	0.00	0.00	0.00
14,000.0	90.00	89.93	8,575.0	-798.4	4,890.3	4,889.3	0.00	0.00	0.00
14,100.0	90.00	89.93	8,575.0	-798.3	4,990.3	4,989.3	0.00	0.00	0.00
14,200.0	90.00	89.93	8,575.0	-798.2	5,090.3	5,089.3	0.00	0.00	0.00
14,300.0	90.00	89.93	8,575.0	-798.1	5,190.3	5,189.3	0.00	0.00	0.00
14,400.0	90.00	89.93	8,575.0	-798.0	5,290.3	5,289.3	0.00	0.00	0.00
14,500.0	90.00	89.93	8,575.0	-797.9	5,390.3	5,389.3	0.00	0.00	0.00
14,600.0	90.00	89.93	8,575.0	-797.8	5,490.3	5,489.3	0.00	0.00	0.00
14,700.0	90.00	89.93	8,575.0	-797.6	5,590.3	5,589.3	0.00	0.00	0.00
14,800.0	90.00	89.93	8,575.0	-797.5	5,690.3	5,689.3	0.00	0.00	0.00
14,900.0	90.00	89.93	8,575.0	-797.4	5,790.3	5,789.3	0.00	0.00	0.00
15,000.0	90.00	89.93	8,575.0	-797.3	5,890.3	5,889.3	0.00	0.00	0.00
15,100.0	90.00	89.93	8,575.0	-797.2	5,990.3	5,989.3	0.00	0.00	0.00
15,200.0	90.00	89.93	8,575.0	-797.1	6,090.3	6,089.3	0.00	0.00	0.00
15,300.0	90.00	89.93	8,575.0	-797.0	6,190.3	6,189.3	0.00	0.00	0.00
15,400.0	90.00	89.93	8,575.0	-796.8	6,290.3	6,289.3	0.00	0.00	0.00
15,500.0	90.00	89.93	8,575.0	-796.7	6,390.3	6,389.3	0.00	0.00	0.00
15,600.0	90.00	89.93	8,575.0	-796.6	6,490.3	6,489.3	0.00	0.00	0.00
15,700.0	90.00	89.93	8,575.0	-796.5	6,590.3	6,589.3	0.00	0.00	0.00
15,800.0	90.00	89.93	8,575.0	-796.4	6,690.3	6,689.3	0.00	0.00	0.00
15,900.0	90.00	89.93	8,575.0	-796.3	6,790.3	6,789.3	0.00	0.00	0.00
16,000.0	90.00	89.93	8,575.0	-796.1	6,890.3	6,889.3	0.00	0.00	0.00
16,100.0	90.00	89.93	8,575.0	-796.0	6,990.3	6,989.3	0.00	0.00	0.00
16,200.0	90.00	89.93	8,575.0	-795.9	7,090.3	7,089.3	0.00	0.00	0.00
16,300.0	90.00	89.93	8,575.0	-795.8	7,190.3	7,189.3	0.00	0.00	0.00
16,400.0	90.00	89.93	8,575.0	-795.7	7,290.3	7,289.3	0.00	0.00	0.00
16,500.0	90.00	89.93	8,575.0	-795.6	7,390.3	7,389.3	0.00	0.00	0.00
16,600.0	90.00	89.93	8,575.0	-795.5	7,490.3	7,489.3	0.00	0.00	0.00
16,700.0	90.00	89.93	8,575.0	-795.3	7,590.3	7,589.3	0.00	0.00	0.00
16,800.0	90.00	89.93	8,575.0	-795.2	7,690.3	7,689.3	0.00	0.00	0.00
16,900.0	90.00	89.93	8,575.0	-795.1	7,790.3	7,789.3	0.00	0.00	0.00
17,000.0	90.00	89.93	8,575.0	-795.0	7,890.3	7,889.3	0.00	0.00	0.00

## Planning Report

<b>Database:</b>	EDM 5000.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Simon Camamile Fed Com #126H
<b>Company:</b>	Matador Production Company	<b>TVD Reference:</b>	KB @ 3377.5usft
<b>Project:</b>	Ranger/Arrowhead	<b>MD Reference:</b>	KB @ 3377.5usft
<b>Site:</b>	Simon Camamile Fed Com	<b>North Reference:</b>	Grid
<b>Well:</b>	Simon Camamile Fed Com #126H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	BLM Plan #1		

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)
17,100.0	90.00	89.93	8,575.0	-794.9	7,990.3	7,989.3	0.00	0.00	0.00
17,200.0	90.00	89.93	8,575.0	-794.8	8,090.3	8,089.3	0.00	0.00	0.00
17,300.0	90.00	89.93	8,575.0	-794.7	8,190.3	8,189.3	0.00	0.00	0.00
17,400.0	90.00	89.93	8,575.0	-794.5	8,290.3	8,289.3	0.00	0.00	0.00
17,500.0	90.00	89.93	8,575.0	-794.4	8,390.3	8,389.3	0.00	0.00	0.00
17,600.0	90.00	89.93	8,575.0	-794.3	8,490.3	8,489.3	0.00	0.00	0.00
17,700.0	90.00	89.93	8,575.0	-794.2	8,590.3	8,589.3	0.00	0.00	0.00
17,800.0	90.00	89.93	8,575.0	-794.1	8,690.3	8,689.3	0.00	0.00	0.00
17,900.0	90.00	89.93	8,575.0	-794.0	8,790.3	8,789.3	0.00	0.00	0.00
18,000.0	90.00	89.93	8,575.0	-793.8	8,890.3	8,889.3	0.00	0.00	0.00
18,100.0	90.00	89.93	8,575.0	-793.7	8,990.3	8,989.3	0.00	0.00	0.00
18,200.0	90.00	89.93	8,575.0	-793.6	9,090.3	9,089.3	0.00	0.00	0.00
18,300.0	90.00	89.93	8,575.0	-793.5	9,190.3	9,189.3	0.00	0.00	0.00
18,400.0	90.00	89.93	8,575.0	-793.4	9,290.3	9,289.3	0.00	0.00	0.00
18,500.0	90.00	89.93	8,575.0	-793.3	9,390.3	9,389.3	0.00	0.00	0.00
18,600.0	90.00	89.93	8,575.0	-793.2	9,490.3	9,489.3	0.00	0.00	0.00
18,700.0	90.00	89.93	8,575.0	-793.0	9,590.3	9,589.3	0.00	0.00	0.00
18,800.0	90.00	89.93	8,575.0	-792.9	9,690.3	9,689.3	0.00	0.00	0.00
18,900.0	90.00	89.93	8,575.0	-792.8	9,790.3	9,789.3	0.00	0.00	0.00
18,948.8	90.00	89.93	8,575.0	-792.8	9,839.1	9,838.1	0.00	0.00	0.00
<b>BPP2 - Simon Camamile Fed Com #126H</b>									
19,000.0	90.00	89.93	8,575.0	-792.7	9,890.3	9,889.3	0.00	0.00	0.00
19,100.0	90.00	89.93	8,575.0	-792.6	9,990.3	9,989.3	0.00	0.00	0.00
19,200.0	90.00	89.93	8,575.0	-792.5	10,090.3	10,089.3	0.00	0.00	0.00
19,300.0	90.00	89.93	8,575.0	-792.4	10,190.3	10,189.3	0.00	0.00	0.00
19,400.0	90.00	89.93	8,575.0	-792.2	10,290.3	10,289.3	0.00	0.00	0.00
19,500.0	90.00	89.93	8,575.0	-792.1	10,390.3	10,389.3	0.00	0.00	0.00
19,600.0	90.00	89.93	8,575.0	-792.0	10,490.3	10,489.3	0.00	0.00	0.00
19,700.0	90.00	89.93	8,575.0	-791.9	10,590.3	10,589.3	0.00	0.00	0.00
19,800.0	90.00	89.93	8,575.0	-791.8	10,690.3	10,689.3	0.00	0.00	0.00
19,900.0	90.00	89.93	8,575.0	-791.7	10,790.3	10,789.3	0.00	0.00	0.00
20,000.0	90.00	89.93	8,575.0	-791.5	10,890.3	10,889.3	0.00	0.00	0.00
20,100.0	90.00	89.93	8,575.0	-791.4	10,990.3	10,989.3	0.00	0.00	0.00
20,200.0	90.00	89.93	8,575.0	-791.3	11,090.3	11,089.3	0.00	0.00	0.00
20,300.0	90.00	89.93	8,575.0	-791.2	11,190.3	11,189.3	0.00	0.00	0.00
20,400.0	90.00	89.93	8,575.0	-791.1	11,290.3	11,289.3	0.00	0.00	0.00
20,500.0	90.00	89.93	8,575.0	-791.0	11,390.3	11,389.3	0.00	0.00	0.00
20,600.0	90.00	89.93	8,575.0	-790.9	11,490.3	11,489.3	0.00	0.00	0.00
20,700.0	90.00	89.93	8,575.0	-790.7	11,590.3	11,589.3	0.00	0.00	0.00
20,800.0	90.00	89.93	8,575.0	-790.6	11,690.3	11,689.3	0.00	0.00	0.00
20,900.0	90.00	89.93	8,575.0	-790.5	11,790.3	11,789.3	0.00	0.00	0.00
21,000.0	90.00	89.93	8,575.0	-790.4	11,890.3	11,889.3	0.00	0.00	0.00
21,100.0	90.00	89.93	8,575.0	-790.3	11,990.3	11,989.3	0.00	0.00	0.00
21,200.0	90.00	89.93	8,575.0	-790.2	12,090.3	12,089.3	0.00	0.00	0.00
21,213.6	90.00	89.93	8,575.0	-790.2	12,103.8	12,102.9	0.00	0.00	0.00
<b>TD at 21213.6 - BHL - Simon Camamile Fed Com #126H</b>									

Planning Report

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Simon Camamile Fed Com #126H
Company:	Matador Production Company	TVD Reference:	KB @ 3377.5usft
Project:	Ranger/Arrowhead	MD Reference:	KB @ 3377.5usft
Site:	Simon Camamile Fed Com	North Reference:	Grid
Well:	Simon Camamile Fed Com #126H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	BLM Plan #1		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP - Simon Camamile - plan hits target center - Point	0.00	0.01	8,002.0	-806.2	-696.2	546,864.00	582,699.00	32° 30' 11.353 N	104° 3' 54.299 W
BPP1 - Simon Camamile - plan misses target center by 1.3usft at 13647.9usft MD (8575.0 TVD, -798.9 N, 4538.1 E) - Point	0.00	0.00	8,575.0	-800.2	4,538.1	546,870.00	587,933.00	32° 30' 11.278 N	104° 2' 53.180 W
BHL - Simon Camamile - plan hits target center - Point	0.00	0.00	8,575.0	-790.2	12,103.8	546,879.98	595,498.79	32° 30' 11.168 N	104° 1' 24.833 W
BPP2 - Simon Camamile - plan misses target center by 0.4usft at 18948.8usft MD (8575.0 TVD, -792.8 N, 9839.1 E) - Point	0.00	0.00	8,575.0	-793.1	9,839.1	546,877.00	593,234.00	32° 30' 11.202 N	104° 1' 51.280 W
FPP - Simon Camamile - plan misses target center by 202.9usft at 8567.1usft MD (8428.2 TVD, -805.6 N, -506.2 E) - Point	0.00	0.00	8,575.0	-806.2	-646.2	546,864.00	582,749.00	32° 30' 11.351 N	104° 3' 53.715 W

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(usft)	(usft)			(°)	(°)
756.1	755.1	Rustler			
1,016.7	1,015.7	Salado			
1,762.0	1,754.2	Capitan (T)			
3,732.8	3,699.1	G13: Cherry Cyn.			
6,408.2	6,339.4	G4: BSGl (CS9)			
6,592.9	6,521.6	L8.2: U. Avalon Shale			
6,850.1	6,775.5	L6.3: Avalon Carb			
7,082.2	7,004.5	L6.2: L. Avalon Shale			
7,142.6	7,064.1	L5.3: FBSC)			
7,514.1	7,430.8	L5.1: FBSC)			
7,782.0	7,696.9	L4.3: SBSC)			
8,205.1	8,118.8	L4.1: SBSG)			
8,691.1	8,499.5	L3.3: TBSC)			

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	Comment
1,000.0	1,000.0	0.0	0.0	Start Build 2.50
1,372.0	1,370.4	-22.8	-19.7	Start 6094.5 hold at 1372.0 MD
7,466.5	7,384.7	-768.2	-663.4	Start Drop -1.50
8,086.5	8,002.0	-806.2	-696.2	Start Build 10.00
8,986.5	8,575.0	-804.2	-123.3	Start DLS 2.00 TFO 90.08
8,993.2	8,575.0	-804.2	-116.6	Start 12220.4 hold at 8993.2 MD
21,213.6	8,575.0	-790.2	12,103.8	TD at 21213.6

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

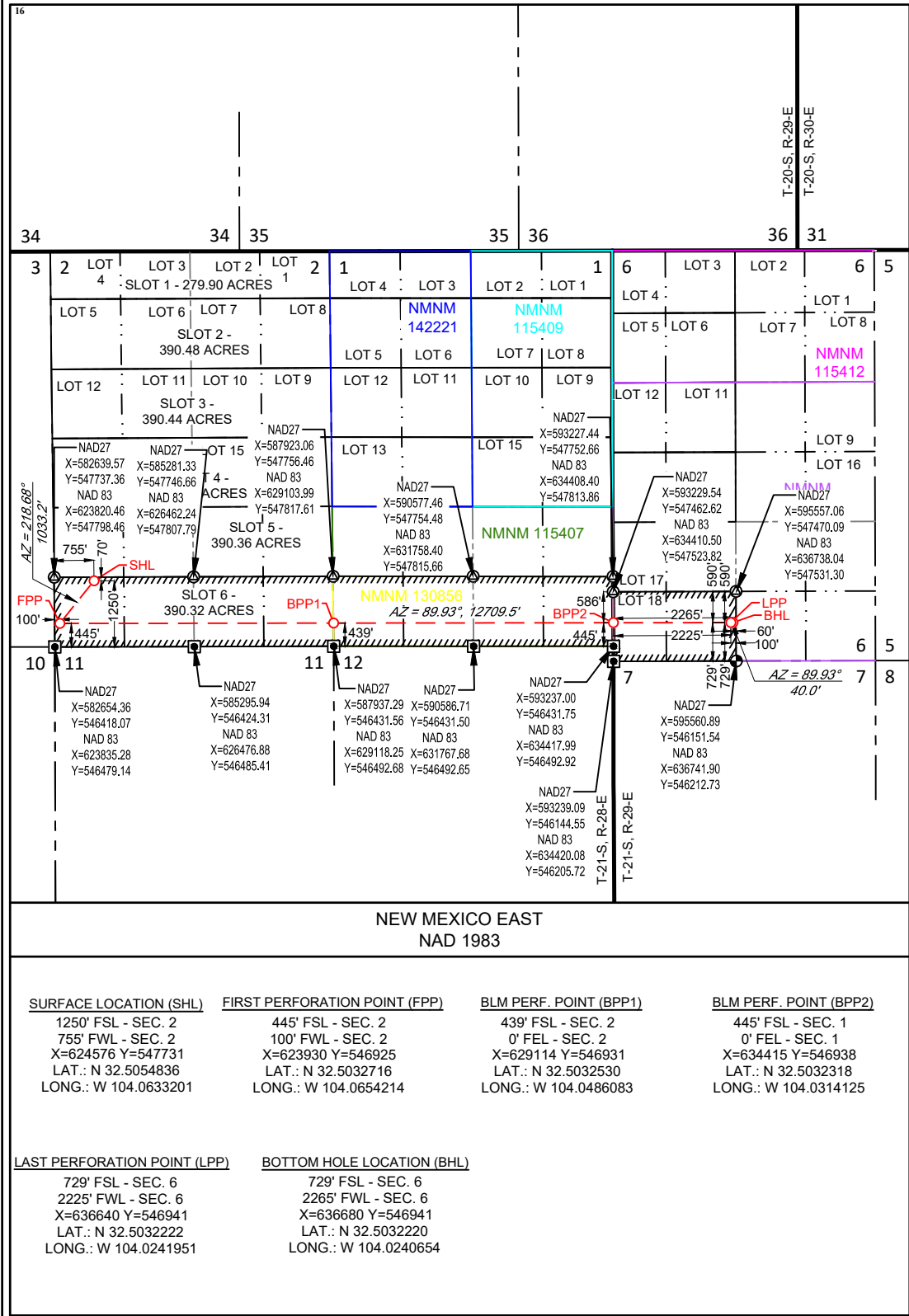
State of New Mexico  
Energy, Minerals & Natural Resources  
Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

FORM C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

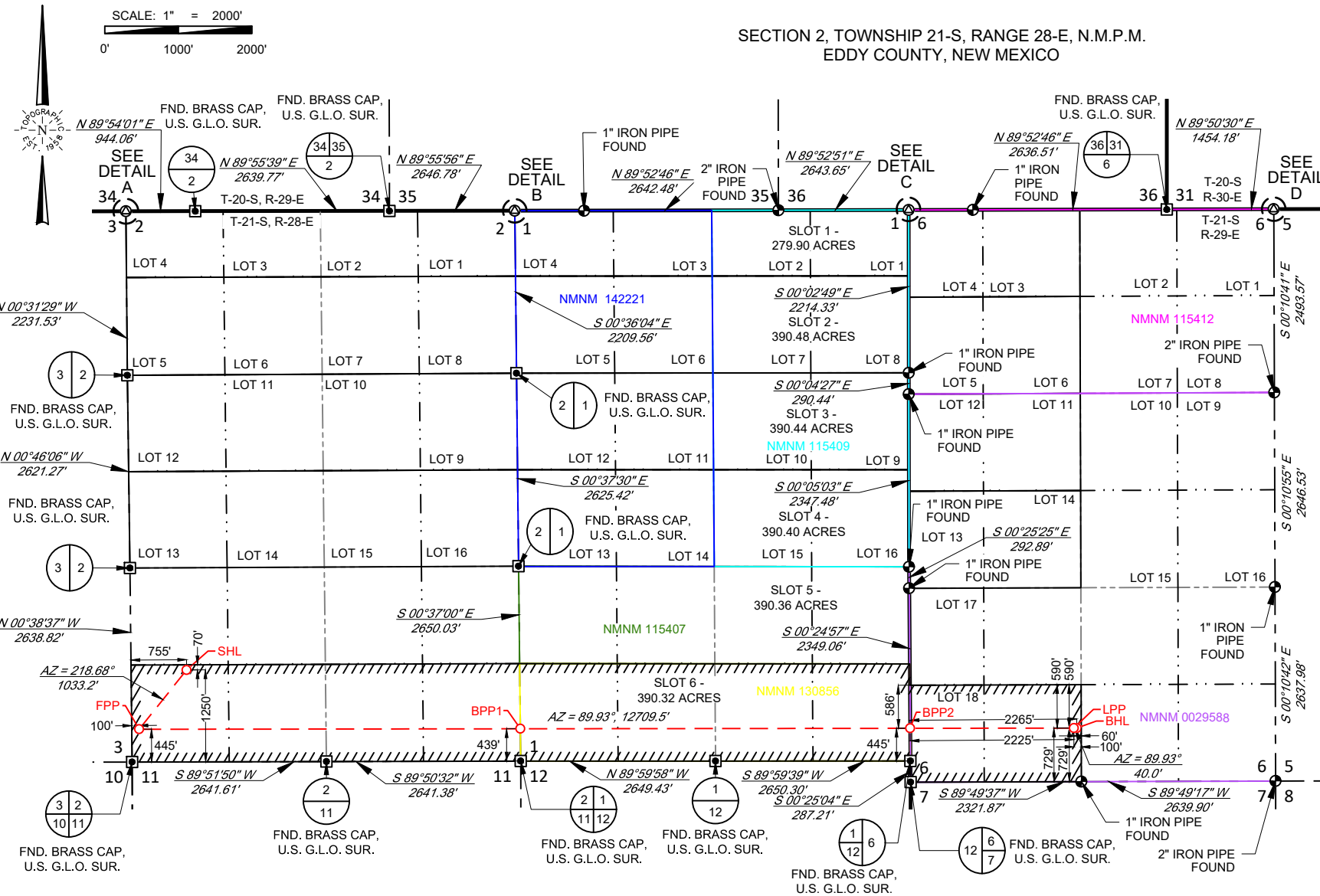
<sup>1</sup> API Number 30-025-		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name					
<sup>4</sup> Property Code		<sup>5</sup> Property Name SIMON CAMAMILE 0206 FED COM						<sup>6</sup> Well Number 126H	
<sup>7</sup> OGRID No. 7377		<sup>8</sup> Operator Name MATADOR PRODUCTION COMPANY						<sup>9</sup> Elevation 3347'	
<sup>10</sup> Surface Location									
UL or lot no. M	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 1250'	North/South line SOUTH	Feet from the 755'	East/West line WEST	County EDDY
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. N	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 729'	North/South line SOUTH	Feet from the 2265'	East/West line WEST	County EDDY
<sup>12</sup> Dedicated Acres 390.32		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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.

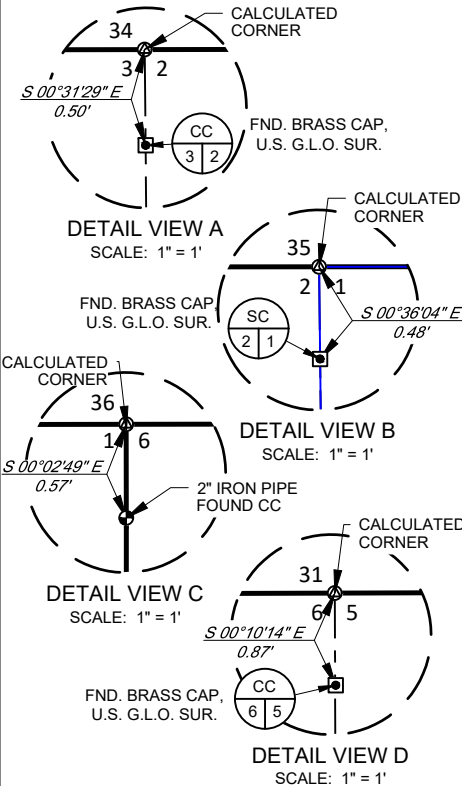


<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
Signature	Date
Printed Name	
E-mail Address	
<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.</i>	
07/29/2021	
Date of Survey Signature and Seal of Professional Surveyor	
Certificate Number	
NEW MEXICO EAST NAD 1927	
SURFACE LOCATION (SHL) X=583395 Y=547670 LAT.: N 32.5033642 LONG.: W 104.0628184	
FIRST PERFORATION POINT (FPP) X=582749 Y=546864 LAT.: N 32.5031522 LONG.: W 104.0649197	
BLM PERF. POINT (BPP1) X=587933 Y=546870 LAT.: N 32.5031334 LONG.: W 104.0481070	
BLM PERF. POINT (BPP2) X=595560.89 Y=546151.54 NAD 83 X=636741.90 Y=546212.73	
LAST PERFORATION POINT (LPP) X=595459 Y=546880 LAT.: N 32.5031023 LONG.: W 104.0236946	
BOTTOM HOLE LOCATION (BHL) X=595499 Y=546880 LAT.: N 32.5031021 LONG.: W 104.0235648	





NEW MEXICO EAST NAD 1983
SURFACE LOCATION (SHL)
1250' FSL - SEC. 2
755' FWL - SEC. 2
X=624576 Y=547731
LAT.: N 32.5054836
LONG.: W 104.0633201
FIRST PERFORATION POINT (FPP)
445' FSL - SEC. 2
100' FWL - SEC. 2
X=623930 Y=546925
LAT.: N 32.5032716
LONG.: W 104.0654214
BLM PERF. POINT (BPP1)
439' FSL - SEC. 2
0' FEL - SEC. 2
X=629114 Y=546931
LAT.: N 32.5032530
LONG.: W 104.0486083
BLM PERF. POINT (BPP2)
445' FSL - SEC. 1
0' FEL - SEC. 1
X=634415 Y=546938
LAT.: N 32.5032318
LONG.: W 104.0314125
LAST PERFORATION POINT (LPP)
729' FSL - SEC. 6
2225' FWL - SEC. 6
X=636640 Y=546941
LAT.: N 32.5032222
LONG.: W 104.0241951
BOTTOM HOLE LOCATION (BHL)
729' FSL - SEC. 6
2265' FWL - SEC. 6
X=636680 Y=546941
LAT.: N 32.5032220
LONG.: W 104.0240654



Angel M. Baeza, P.S. No. 25116  
March 11, 2024



LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 116H

SECTION 2 TWP 21-S RGE 28-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM

DESCRIPTION 1250' FSL & 835' FWL

DISTANCE & DIRECTION

FROM INT. OF HWY-285, & US-180 E/US-62 E HEAD EAST ON US-180

E/US-62 E ±11.9 MILES, THENCE SOUTH (RIGHT) ON A LEASE RD.

±0.7 MILES, THENCE SOUTHWEST (RIGHT) ON A PROPOSED RD.

±85 FEET TO A POINT ±479 FEET NORTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET

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

AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.



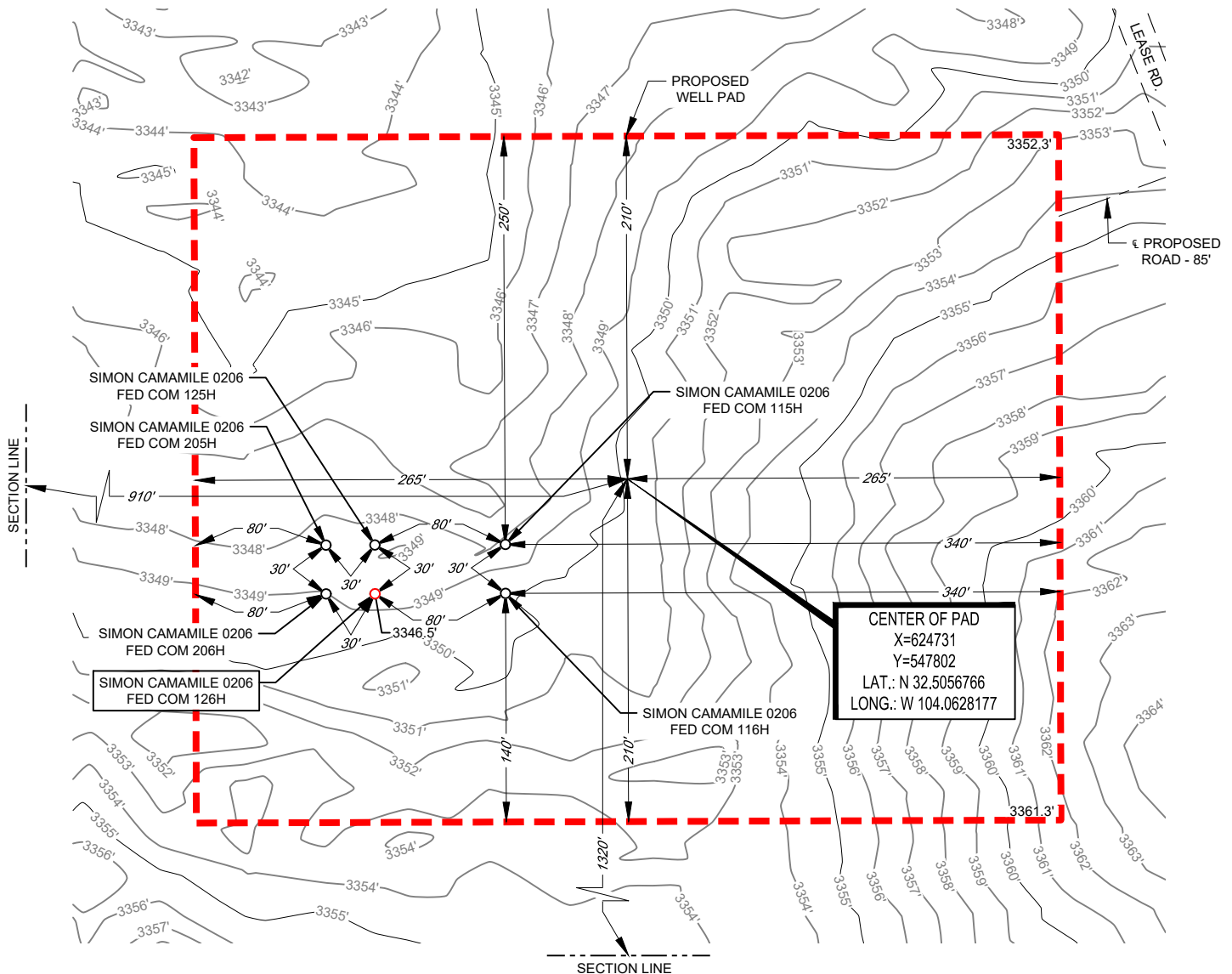
## LEGEND

--- SECTION LINE  
 - - - PROPOSED ROAD  
 = = = ROAD WAY



SECTION 2, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M.  
 EDDY COUNTY, NEW MEXICO

DETAIL VIEW  
 SCALE: 1" = 100'



LEASE NAME & WELL NO.: SIMON CAMAMILE 0206 FED COM 126H  
 126H LATITUDE N 32.5054836 126H LONGITUDE W 104.0633201

CENTER OF PAD IS 1320' FSL & 910' FWL



Angel M. Baeza, P.S. No. 25116

March 11, 2024

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO. ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

SCALE: 1" = 100'

0' 50' 100'

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 481 WINNSCOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
 TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554  
 TEXAS FIRM REGISTRATION NO. 10042504  
 WWW.TOPOGRAPHIC.COM

**Drill Plan**

**Simon Camamile 0206 Fed Com 126H**  
**SHL: 1250' FSL & 755' FWL Section 2**  
**BHL: 729' FSL & 2265' FWL Section 6**  
**Township/Range: 21S 28E**  
**Elevation Above Sea Level: 3347**

**Sundry Request**

Matador request the option to amend the well design of the Simon Camamile 0206 Fed Com #226H and make the following changes to the current APD:

- Change the well name from Simon Camamile 0206 Fed Com #226H to the Simon Camamile 0206 Fed Com #126H
- Change BHL from 1389' FSL & 2268' FWL to 729' FSL & 2265' FWL. All perforations will be within the setback requirements as previously approved.
- Shallow target formation from Wolfcamp to Second Bone Spring
- Amend casing and cementing plan by changing 9.625" Int 2 string to 8.625" and revising set depths as described below

**Drilling Operation Plan**

Proposed Drilling Depth: 21213' MD / 8575' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.5032716 N / -104.0654214 W

TD Lat/Long (NAD83): 32.5032220 N / -104.0240654 W

**1. Estimated Tops**

Formation	MD (ft)	TVD (ft)	Thickness (ft)	Lithology	Resource
Rustler	595	595	420	Anhydrite	Barren
Salado (Top of Salt)	1,016	1,015	739	Salt	Barren
Capitan	1,762	1,754	2,155	Limestone	Barren
Cherry Canyon	3,942	3,909	1,039	Sandstone	Oil/Natural Gas
Brushy Canyon	4,996	4,948	1,391	Sandstone	Oil/Natural Gas
Bone Spring Lime	6,408	6,339	1,091	Limestone	Oil/Natural Gas
1st Bone Spring Sand	7,514	7,430	266	Sandstone	Oil/Natural Gas
2nd Bone Spring Carb	7,782	7,696	422	Carbonate	Oil/Natural Gas
<b>KOP</b>	<b>8,086</b>	<b>8,002</b>	-	<b>Carbonate</b>	<b>Oil/Natural Gas</b>
2nd Bone Spring Sand	8,205	8,118	-	Sandstone	Oil/Natural Gas
<b>TD</b>	<b>21,213</b>	<b>8,575</b>	-	<b>Sandstone</b>	<b>Oil/Natural Gas</b>

**2. Notable Zones**

Second 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 50'.

### **3. Pressure Control**

#### **Equipment**

Matador requests a variance for a 2M annular to be installed after running 20" casing.

A 12,000' 5000-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 Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

#### **Testing Procedure**

BOP will be inspected and operated as required in Title 43 CFR 3172. 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 5000 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, Intermediate 2, 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.

Matador requests a variance for the use of a diverter along with a 2000-psi annular to be installed after running 20" casing.

Matador request the option to offline cement surface casing. The "Offline Cementing - Surface Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate 1 casing strings.

**Drill Plan****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	26	0 - 665	0 - 665	20	94	J-55	BUTT	1.125	1.125	1.8
Intermediate 1	17.5	0 - 1650	0 - 1650	13.375	54.5	J-55	BUTT	1.125	1.125	1.8
Intermediate 2	12.25	0 - 3992	0 - 3959	8.625	32	P110	Hunting TLW	1.125	1.125	1.8
Production	7.875	0 - 21213	0 - 8575	5.5	20	P-110	Hunting TLW-SC	1.125	1.125	1.8

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- 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

Variance Request

Matador request a variance to wave the centralizer requirement for the 5-1/2" SF/Flush casing in the 7-7/8" 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. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

**Primary Cement Design - DV/Packer 2-Stage Cement**

String	Type	Sacks	Yield	Cu. Ft.	Weight	Percent Excess	Top of Cement (ft)	Class	Blend
Surface	Lead	480	1.72	823	13.5	50%	0	C	5% NaCl + LCM
	Tail	550	1.38	757	14.8	50%	365	C	5% NaCl + LCM
Intermediate 1 w/ DV @ 715'	Stg 2 Tail	400	1.78	716	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	770	1.84	1410	12.5	50%	0	C	5% NaCl + LCM
	Stg 1 Tail	280	1.33	379	14.8	50%	1320	C	5% NaCl + LCM
Intermediate 2 w/ DV @ 1700'	Stg 2 Tail	440	1.78	785	13.5	10%	0	C	5% NaCl + LCM
	Stg 1 Lead	210	3.66	752	10.3	35%	0	A/C	Bentonite + 1% CaCL <sub>2</sub> + 8% NaCl + LCM
	Stg 1 Tail	320	1.38	445	13.2	35%	3194	A/C	5% NaCl + LCM
Production	Lead	250	3.66	922	12.5	25%	3792	A/C	Bentonite + 1% CaCL <sub>2</sub> + 8% NaCl + LCM
	Tail	2110	1.35	2843	13.2	25%	8086	A/C	Fluid Loss + Dispersant + Retarder

**Drill Plan****5. Mud Program**

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 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	26	Spud Mud	0 - 665	8.4 - 8.8	28-30	NC
Intermediate 1	17.5	Brine	665 - 1650	9.8 - 10.2	28-30	NC
Intermediate 2	12.25	Fresh Water	1650 - 3992	8.4 - 8.8	28-30	NC
Production	7.875	OBM/Cut Brine	3992 - 21213	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. We will be running a Neutron log on one of the wells on

**7. Down Hole Conditions**

No abnormal pressure or temperature is expected. Bottom hole pressure is 4191 psi. Maximum anticipated surface pressure is 2305 psi. Expected bottom hole temperature is 131 F.

In accordance with Title 43 CFR 3176, 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.

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

**SUBMIT IN TRIPLICATE** - Other instructions on page 2

1. Type of Well	
<input type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator	
3a. Address	3b. Phone No. (include area code)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240



## Additional Information

### Location of Well

0. SHL: SWSW / 1280 FSL / 755 FWL / TWSP: 21S / RANGE: 28E / SECTION: 02 / LAT: 32.5055661 / LONG: -104.0633202 ( TVD: 0 feet, MD: 0 feet )  
PPP: NWSW / 1759 FSL / 0 FWL / TWSP: 21S / RANGE: 28E / SECTION: 01 / LAT: 32.5068815 / LONG: -104.048643 ( TVD: 7590 feet, MD: 12600 feet )  
PPP: LOT 17 / 1765 FSL / 0 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.5068602 / LONG: -104.0314315 ( TVD: 7695 feet, MD: 17900 feet )  
BHL: NESW / 2049 FSL / 2271 FWL / TWSP: 21S / RANGE: 29E / SECTION: 6 / LAT: 32.5068504 / LONG: -104.0240655 ( TVD: 7739 feet, MD: 20136 feet )

CONFIDENTIAL

**From:** [Paula M. Vance](#)  
**To:** [McClure, Dean, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Matador Expedite Updated Spreadsheet / Simon Camamile Action ID: 335919  
**Date:** Friday, May 31, 2024 5:32:24 PM  
**Attachments:** [image002.png](#)  
[r-22654\\_05\\_02\\_2023\\_11\\_21\\_01.pdf](#)  
[r-22650\\_04\\_24\\_2023\\_08\\_18\\_01.pdf](#)

Dean,

Thank you. Attached are the approved orders for the NSPs. I'll follow-up with Matador regarding the feedback below.

**Paula Vance**  
Associate, Holland & Hart LLP  
[pmvance@hollandhart.com](mailto:pmvance@hollandhart.com) | T: (505) 954-7286 | M: (337) 280-9055



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**From:** McClure, Dean, EMNRD <Dean.McClure@emnrd.nm.gov>  
**Sent:** Friday, May 31, 2024 5:16 PM  
**To:** Paula M. Vance <PMVance@hollandhart.com>  
**Subject:** RE: [EXTERNAL] Matador Expedite Updated Spreadsheet / Simon Camamile Action ID: 335919

External Email

Paula,

Thank you; those are correct and the assorted changes have been made to the wells.

I rejected the change of HSU requests for the wells below due to Matador’s failure to include the defining well or NSP and the submission not being on an approved 3160-5. However, we should be able to proceed with review of the surface commingling application provided the proposed CAs are correct based on the spacing below.

30-015-54098	Simon Camamile 0206 Federal Com #201H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54099	Simon Camamile 0206 Federal Com #202H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54303	Simon Camamile 0206 Federal Com #203H	9 10 11 12	1-21S-28E	98315
		13 14 15 16		
		9 10 11 12	2-21S-28E	
		13 14 15 16		
		11 12 13 14	6-21S-29E	

30-015-54366

Simon Camamile 0206  
Federal Com #204H

9 10 11 12  
13 14 15 16  
9 10 11 12  
13 14 15 16  
11 12 13 14

1-21S-28E  
2-21S-28E  
6-21S-29E

98315

I apologize for the unusualness of this email chain as typically I would like to reach out all at once after an initial review has been concluded, but due to time constraints, I am attempting to provide additional time for your responses by giving you the heads up as issues are identified. I will be concluding my review either this weekend or the beginning of next week.

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211

From: Paula M. Vance <[PMVance@hollandhart.com](mailto:PMVance@hollandhart.com)>  
Sent: Friday, May 31, 2024 3:36 PM  
To: McClure, Dean, EMNRD <[Dean.McClure@emnrd.nm.gov](mailto:Dean.McClure@emnrd.nm.gov)>  
Subject: RE: [EXTERNAL] Matador Expedite Updated Spreadsheet / Simon Camamile Action ID: 335919

Dean,

The APIs should be as follows:

Simon Camamile 0206 Fed Com #125H (30-015-54312)  
Simon Camamile 0206 Fed Com #126H (30-015-53730)

Attached are the approved BLM sundries. I'm confirming that these have been submitted to the OCD for approval.

**Paula Vance**  
Associate, Holland & Hart LLP  
[pmvance@hollandhart.com](mailto:pmvance@hollandhart.com) | T: (505) 954-7286 | M: (337) 280-9055



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From: McClure, Dean, EMNRD <[Dean.McClure@emnrd.nm.gov](mailto:Dean.McClure@emnrd.nm.gov)>  
Sent: Friday, May 31, 2024 1:46 PM  
To: Paula M. Vance <[PMVance@hollandhart.com](mailto:PMVance@hollandhart.com)>  
Subject: RE: [EXTERNAL] Matador Expedite Updated Spreadsheet / Simon Camamile Action ID: 335919

External Email

Paula,

Do you know the API numbers for the proposed wells below? These are included within the proposed Simon Camamile commingling project.

Simon Camamile 0206 Federal Com #125H	N/2 S/2	1-21S-28E	97995
	N/2 S/2	2-21S-28E	
	N/2 SW/4	6-21S-29E	
Simon Camamile 0206 Federal Com #126H	S/2 S/2	1-21S-28E	97995
	S/2 S/2	2-21S-28E	
	S/2 SW/4	6-21S-29E	

Dean McClure  
Petroleum Engineer, Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
(505) 469-8211


**From:** Paula M. Vance <[PMVance@hollandhart.com](mailto:PMVance@hollandhart.com)>  
**Sent:** Friday, May 31, 2024 11:14 AM  
**To:** McClure, Dean, EMNRD <[Dean.McClure@emnrd.nm.gov](mailto:Dean.McClure@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Matador Expedite Updated Spreadsheet / Simon Camamile Action ID: 335919

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Dean,

Attached is Matador’s updated expedite sheet. I previously submitted one mid-April, and was wondering if you might have any updated on the Simon Camamile Amendment application Action ID: 335919.

Thank you in advance for your time and consideration.



**Paula Vance**  
Associate  
**HOLLAND & HART LLP**  
110 North Guadalupe Street, Suite 1, Santa Fe, NM 87501  
[pmvance@hollandhart.com](mailto:pmvance@hollandhart.com) | T: (505) 954-7286 | M: (337) 280-9055

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**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION FOR SURFACE COMMINGLING  
SUBMITTED BY MATADOR PRODUCTION COMPANY**

**ORDER NO. PLC-935**

**ORDER**

The Director of the New Mexico Oil Conservation Division (“OCD”), having considered the application and the recommendation of the OCD Engineering Bureau, issues the following Order.

**FINDINGS OF FACT**

1. Matador Production Company (“Applicant”) submitted a complete application to surface commingle the oil and gas production from the pools, leases, and wells identified in Exhibit A (“Application”).
2. Applicant proposed a method to allocate the oil and gas production to the pools, leases, and wells to be commingled.
3. To the extent that ownership is diverse, Applicant provided notice of the Application to all persons owning an interest in the oil and gas production to be commingled, including the owners of royalty and overriding royalty interests, regardless of whether they have a right or option to take their interests in kind, and those persons either submitted a written waiver or did not file an objection to the Application.
4. Applicant provided notice of the Application to the Bureau of Land Management (“BLM”) or New Mexico State Land Office (“NMSLO”), as applicable.
5. Applicant certified the commingling of oil and gas production from the pools, leases, and wells will not in reasonable probability reduce the value of the oil and gas production to less than if it had remained segregated.
6. Applicant in the notice for the Application stated that it sought authorization to prospectively include additional pools, leases, and wells in accordance with 19.15.12.10.C.(4)(g) NMAC.
7. Applicant stated that it sought authorization to surface commingle and off-lease measure, as applicable, oil and gas production from wells which have not yet been approved to be drilled, but will produce from a pool and lease identified in Exhibit A.
8. Applicant submitted or intends to submit one or more proposed communitization agreement(s) (“Proposed Agreement(s)”) to the BLM or NMSLO, as applicable, identifying the acreage of each lease to be consolidated into a single pooled area (“Pooled Area”), as described in Exhibit B.

### **CONCLUSIONS OF LAW**

9. OCD has jurisdiction to issue this Order pursuant to the Oil and Gas Act, NMSA 1978, §§ 70-2-6, 70-2-11, 70-2-12, 70-2-16, and 70-2-17, 19.15.12. NMAC, and 19.15.23. NMAC.
10. Applicant satisfied the notice requirements for the Application in accordance with 19.15.12.10.A.(2) NMAC, 19.15.12.10.C.(4)(c) NMAC, and 19.15.12.10.C.(4)(e) NMAC, as applicable.
11. Applicant satisfied the notice requirements for the Application in accordance with 19.15.23.9.A.(5) NMAC and 19.15.23.9.A.(6) NMAC, as applicable.
12. Applicant's proposed method of allocation, as modified herein, complies with 19.15.12.10.B.(1) NMAC or 19.15.12.10.C.(1) NMAC, as applicable.
13. Commingling of oil and gas production from state, federal, or tribal leases shall not commence until approved by the BLM or NMSLO, as applicable, in accordance with 19.15.12.10.B.(3) NMAC and 19.15.12.10.C.(4)(h) NMAC.
14. Applicant satisfied the notice requirements for the subsequent addition of pools, leases, and wells in the notice for the Application, in accordance with 19.15.12.10.C.(4)(g) NMAC. Subsequent additions of pools, leases, and wells within Applicant's defined parameters, as modified herein, will not, in reasonable probability, reduce the commingled production's value or otherwise adversely affect the interest owners in the production to be added.
15. By granting the Application with the conditions specified below, this Order prevents waste and protects correlative rights, public health, and the environment.

### **ORDER**

1. Applicant is authorized to surface commingle oil and gas production from the pools, leases, and wells identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from the pools, leases, and wells identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

Applicant is authorized to surface commingle oil and gas production from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A.

Applicant is authorized to store and measure oil and gas production off-lease from wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A at a central tank battery or gas title transfer meter described in Exhibit A.

2. This Order supersedes Order CTB-1102.
3. For each Pooled Area described in Exhibit B, Applicant shall submit a Proposed Agreement to the BLM or NMSLO, as applicable, prior to commencing oil and gas production. If Applicant fails to submit the Proposed Agreement, this Order shall terminate on the following day.

No later than sixty (60) days after the BLM or NMSLO approves or denies a Proposed Agreement, Applicant shall submit a Form C-103 to OCD with a copy of the decision and a description of the approved lands, as applicable. If Applicant withdraws or the BLM or NMSLO denies a Proposed Agreement, this Order shall terminate on the date of such action, and Applicant shall cease commingling the production from the Pooled Area. If the BLM or NMSLO approves but modifies the Proposed Agreement(s), Applicant shall comply with the approved Agreement(s), and no later than sixty (60) days after such decision, Applicant shall submit a new surface commingling application to OCD to conform this Order with the approved Agreement(s). If Applicant fails to submit the new surface commingling application or OCD denies the new surface commingling application, this Order shall terminate on the date of such action.

Applicant shall allocate the oil and gas production to each lease within a Pooled Area in proportion to the acreage that each lease bears to the entire acreage of the Pooled Area described in Exhibit B until the Proposed Agreement which includes the Pooled Area is approved. After the Proposed Agreement is approved, the oil and gas production from the Pooled Area shall be allocated as required by the BLM's or NMSLO's, as applicable, approval of the Agreement, including any production that had been allocated previously in accordance with this Order.

4. The allocation of oil and gas production to wells not included in Exhibit A but that produce from a pool and lease identified in Exhibit A shall be determined in the same manner as to wells identified in Exhibit A that produce from that pool and lease, provided that if more than one allocation method is being used or if there are no wells identified in Exhibit A that produce from the pool and lease, then allocation of oil and gas production to each well not included in Exhibit A shall be determined by OCD prior to commingling production from it with the production from another well.
5. The oil and gas production for each well identified in Exhibit A shall be separated and metered prior to commingling it with production from another well.
6. Applicant shall measure and market the commingled oil at a central tank battery described in Exhibit A in accordance with this Order and 19.15.18.15. NMAC or 19.15.23.8. NMAC.
7. Applicant shall measure and market the commingled gas at a well pad, central delivery point, central tank battery, or gas title transfer meter described in Exhibit A in accordance with this Order and 19.15.19.9. NMAC, provided however that if the gas is vented or flared, and regardless of the reason or authorization pursuant to 19.15.28.8.B. NMAC for such venting or flaring, Applicant shall measure or estimate the gas in accordance with 19.15.28.8.E. NMAC.
8. Applicant shall calibrate the meters used to measure or allocate oil and gas production in accordance with 19.15.12.10.C.(2) NMAC.
9. If the commingling of oil and gas production from any pool, lease, or well reduces the value of the commingled oil and gas production to less than if it had remained segregated, no later



than sixty (60) days after the decrease in value has occurred Applicant shall submit a new surface commingling application to OCD to amend this Order to remove the pool, lease, or well whose oil and gas production caused the decrease in value. If Applicant fails to submit a new application, this Order shall terminate on the following day, and if OCD denies the application, this Order shall terminate on the date of such action.

10. Applicant may submit an application to amend this Order to add pools, leases, and subsequently drilled wells with spacing units adjacent to or within the tracts commingled by this Order by submitting a Form C-107-B in accordance with 19.15.12.10.C.(4)(g) NMAC, provided the pools, leases, and subsequently drilled wells are within the identified parameters included in the Application.
11. If a well is not included in Exhibit A but produces from a pool and lease identified in Exhibit A, then Applicant shall submit Forms C-102 and C-103 to the OCD Engineering Bureau after the well has been approved to be drilled and prior to off-lease measuring or commingling oil or gas production from it with the production from another well. The Form C-103 shall reference this Order and identify the well, proposed method to determine the allocation of oil and gas production to it, and the location(s) that commingling of its production will occur.
12. Applicant shall not commence commingling oil or gas production from state, federal, or tribal leases until approved by the BLM or NMSLO, as applicable.
13. If OCD determines that Applicant has failed to comply with any provision of this Order, OCD may take any action authorized by the Oil and Gas Act or the New Mexico Administrative Code (NMAC).
14. OCD retains jurisdiction of this matter and reserves the right to modify or revoke this Order as it deems necessary.

**STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION**

  
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**DYLAN M. FUGE**  
**DIRECTOR (ACTING)**

**DATE:** 6/28/2024

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit A

Order: PLC-935

Operator: Matador Production Company (228937)

Central Tank Battery: Simon Camamile South Tank Battery

Central Tank Battery Location: UL L, Section 2, Township 21 South, Range 28 East

Gas Title Transfer Meter Location: UL L, Section 2, Township 21 South, Range 28 East

### Pools

Pool Name	Pool Code
WC-015 G-05 S202935P; BONE SPRING	97995
WC BURTON FLAT UPPER WOLFCAMP EAST	98315

### Leases as defined in 19.15.12.7(C) NMAC

Lease	UL or Q/Q	S-T-R
VB 0183 0003	All	2-21S-28E
NMNM 105679579 (115407)	N/2 S/2	1-21S-28E
NMNM 105381804 (130856)	S/2 S/2	1-21S-28E
NMNM 105417600 (0029588)	SW/4, 11 12 13 14	6-21S-29E
NMNM 105519828 (142221)	3 4 5 6 11 12 13 14	1-21S-28E
NMNM 105680597 (115409)	1 2 7 8 9 10 15 16	1-21S-28E
NMNM 105680600 (115412)	3 4 5 6	6-21S-29E

### Wells

Well API	Well Name	UL or Q/Q	S-T-R	Pool
30-015-53728	Simon Camamile 0206 Federal Com #205H	N/2 S/2	1-21S-28E	98315
		N/2 S/2	2-21S-28E	
		N/2 SW/4	6-21S-29E	
30-015-53729	Simon Camamile 0206 Federal Com #206H	S/2 S/2	1-21S-28E	98315
		S/2 S/2	2-21S-28E	
		S/2 SW/4	6-21S-29E	
30-015-54098	Simon Camamile 0206 Federal Com #201H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54099	Simon Camamile 0206 Federal Com #202H	1 2 3 4 5 6 7 8	1-21S-28E	98315
		1 2 3 4 5 6 7 8	2-21S-28E	
		3 4 5 6	6-21S-29E	
30-015-54303	Simon Camamile 0206 Federal Com #203H	9 10 11 12	1-21S-28E	98315
		13 14 15 16		
		9 10 11 12	2-21S-28E	
		13 14 15 16		
		11 12 13 14	6-21S-29E	

30-015-54366	Simon Camamile 0206 Federal Com #204H	9 10 11 12	1-21S-28E	98315
		13 14 15 16		
		9 10 11 12	2-21S-28E	
		13 14 15 16		
		11 12 13 14	6-21S-29E	
30-015-54312	Simon Camamile 0206 Federal Com #125H	N/2 S/2	1-21S-28E	97995
		N/2 S/2	2-21S-28E	
		N/2 SW/4	6-21S-29E	
30-015-53730	Simon Camamile 0206 Federal Com #126H	S/2 S/2	1-21S-28E	97995
		S/2 S/2	2-21S-28E	
		S/2 SW/4	6-21S-29E	

State of New Mexico  
Energy, Minerals and Natural Resources Department

## Exhibit B

Order: **PLC-935**  
Operator: **Matador Production Company (228937)**

### Pooled Areas

Pooled Area	UL or Q/Q	S-T-R	Acres	Pooled Area ID
CA Wolfcamp NMNM 106350357	N/2 S/2	1-21S-28E	390.36	A
	N/2 S/2	2-21S-28E		
	N/2 SW/4	6-21S-29E		
CA Wolfcamp NMNM 106350358	S/2 S/2	1-21S-28E	390.32	B
	S/2 S/2	2-21S-28E		
	S/2 SW/4	6-21S-29E		
CA Bone Spring NMNM 106377495	N/2 S/2	1-21S-28E	390.36	C
	N/2 S/2	2-21S-28E		
	N/2 SW/4	6-21S-29E		
CA Bone Spring NMNM 106377500	S/2 S/2	1-21S-28E	390.32	D
	S/2 S/2	2-21S-28E		
	S/2 SW/4	6-21S-29E		
CA Wolfcamp NMNM 106350361	1 2 3 4 5 6 7 8	1-21S-28E	670.38	E
	1 2 3 4 5 6 7 8	2-21S-28E		
	3 4 5 6	6-21S-29E		
CA Wolfcamp NMNM 106350011	9 10 11 12	1-21S-28E	780.84	F
	13 14 15 16			
	9 10 11 12	2-21S-28E		
	13 14 15 16			
	11 12 13 14	6-21S-29E		

### Leases Comprising Pooled Areas

Lease	UL or Q/Q	S-T-R	Acres	Pooled Area ID
VB 0183 0003	N/2 S/2	2-21S-28E	160	A
NMNM 105679579 (115407)	N/2 S/2	1-21S-28E	160	A
NMNM 105417600 (0029588)	N/2 SW/4	6-21S-29E	70.36	A
VB 0183 0003	S/2 S/2	2-21S-28E	160	B
NMNM 105381804 (130856)	S/2 S/2	1-21S-28E	160	B
NMNM 105417600 (0029588)	S/2 SW/4	6-21S-29E	70.32	B
VB 0183 0003	N/2 S/2	2-21S-28E	160	C
NMNM 105679579 (115407)	N/2 S/2	1-21S-28E	160	C
NMNM 105417600 (0029588)	N/2 SW/4	6-21S-29E	70.36	C
VB 0183 0003	S/2 S/2	2-21S-28E	160	D
NMNM 105381804 (130856)	S/2 S/2	1-21S-28E	160	D
NMNM 105417600 (0029588)	S/2 SW/4	6-21S-29E	70.32	D
VB 0183 0003	1 2 3 4 5 6 7 8	2-21S-28E	268.2	E

NMNM 105519828 (142221)	3 4 5 6	1-21S-28E	134.09	E
NMNM 105680597 (115409)	1 2 7 8	1-21S-28E	134.31	E
NMNM 105680600 (115412)	3 4 5 6	6-21S-29E	133.78	E
VB 0183 0003	9 10 11 12 13 14 15 16	2-21S-28E	320	F
NMNM 105519828 (142221)	11 12 13 14	1-21S-28E	160	F
NMNM 105680597 (115409)	9 10 15 16	1-21S-28E	160	F
NMNM 105417600 (0029588)	11 12 13 14	6-21S-29E	140.84	F

**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 335919

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 335919
	Action Type: [C-107] Surface Commingle or Off-Lease (C-107B)

CONDITIONS

Created By	Condition	Condition Date
dmcclure	Please review the content of the order to ensure you are familiar with the authorities granted and any conditions of approval. If you have any questions regarding this matter, please contact me.	6/28/2024