

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

<u>FOR OCD ONLY</u>	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	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

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
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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.



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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 that reads "Paula M. Vance".

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
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	S/2	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	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	

State of New Mexico
Energy, Minerals and Natural Resources Department

Exhibit B

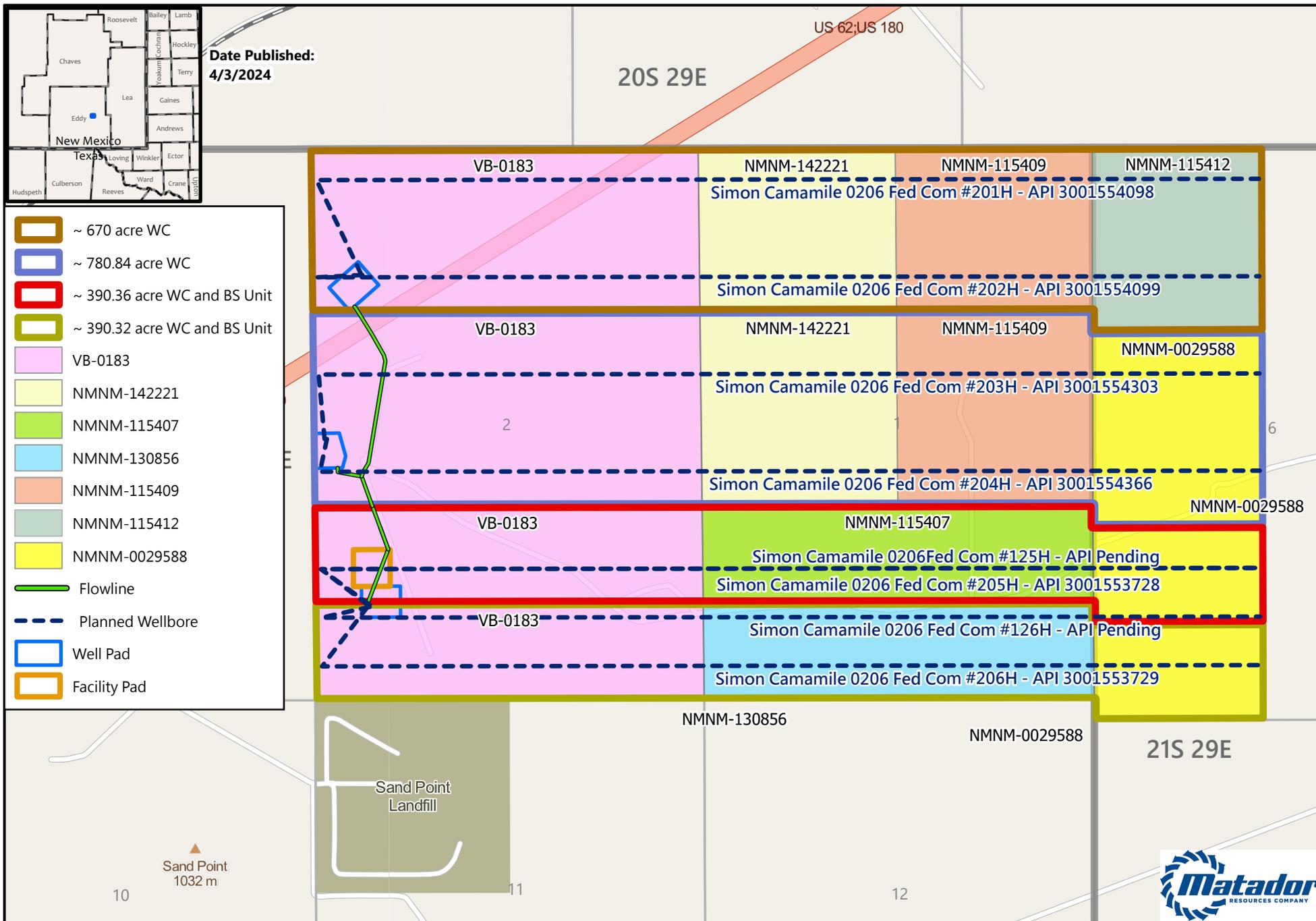
Order: **CTB-1102**
Operator: **Matador Production Company (228937)**

Pooled Areas

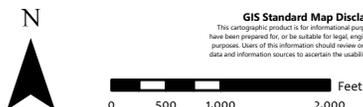
Pooled Area	UL or Q/Q	S-T-R	Acres	Pooled Area ID
CA Wolfcamp BLM	N/2 S/2	1-21S-28E	390.36	A
	N/2 S/2	2-21S-28E		
	N/2 SW/4	6-21S-29E		
CA Wolfcamp BLM	S/2 S/2	1-21S-28E	390.32	B
	S/2 S/2	2-21S-28E		
	S/2 SW/4	6-21S-29E		

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 planning 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

Map Prepared by: americo.gamarral
Date: April 3, 2024
Data(vagamarral-temp\20230208 Simon Camamile Pooling)\Simon Camamile Pooling.aprx
Spatial Reference: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Sources: IHS; ESR; US DOI BLM Carlsbad, NM Field Office, GIS Department;
Texas Cooperative Wildlife Collection, Texas A&M University;
United States Census Bureau (TIGER);

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.

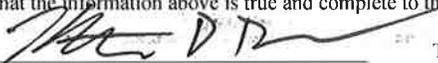
(D) OFF-LEASE STORAGE and MEASUREMENT
Please attached sheets with the following information

- (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

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 'K. Dodson', written over a horizontal line.

Kenneth Dodson
Staff Facilities Engineer



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	Sampled By: Derek Sauder
Station Number: 0103901850	Sample Of: Gas Spot
Station Location: Ascent	Sample Date: 12/23/2020
Sample Point: Meter Run	Sample Conditions: 78 psig, @ 72 °F Ambient: 50 °F
Instrument: 70104251 (Inficon GC-MicroFusion)	Effective Date: 12/23/2020
Last Inst. Cal.: 01/04/2021 0:00 AM	Method: GPA-2261M
Analyzed: 01/04/2021 13:05:21 by PGS	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	100.00000	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 ft³ @ 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

EXHIBIT
B

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

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

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

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98315	³ Pool Name WC Burton Flat Upper Wolfcamp East
⁴ Property Code	⁵ Property Name SIMON CAMAMILE 0206 FED COM	
⁶ OGRID No. 228937	⁷ Operator Name MATADOR PRODUCTION COMPANY	⁸ Well Number 201H
		⁹ Elevation 3286'

¹⁰Surface Location

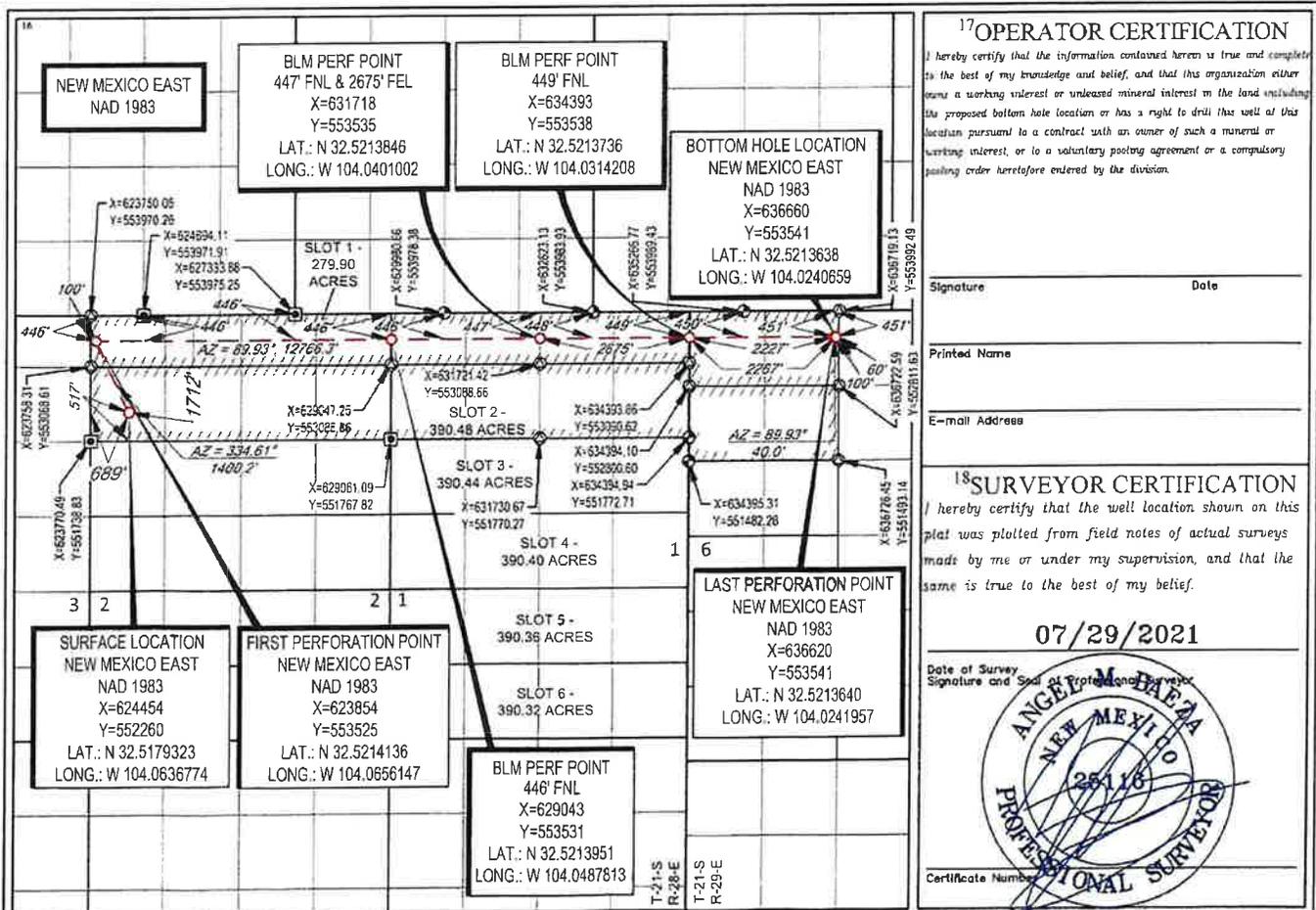
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
5	2	21-S	28-E	-	1712'	NORTH	689'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	6	21-S	29-E	-	451'	NORTH	2267'	WEST	EDDY

¹² Dedicated Acres 670.38	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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



S:\SURVEY\MATADOR_RESOURCES\SIMON_CAMAMILE_0206_02-21S-28E\FINAL_PRODUCT\SLO_SIMON_CAMAMILE_0206_FC_201H_REV3.DWG

EXHIBIT
4

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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 98315	³ Pool Name WC Burton Flat Upper Wolfcamp East
⁴ Property Code	⁵ Property Name SIMON CAMAMILE 0206 FED COM	⁶ Well Number 202H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3286'

¹⁰Surface Location

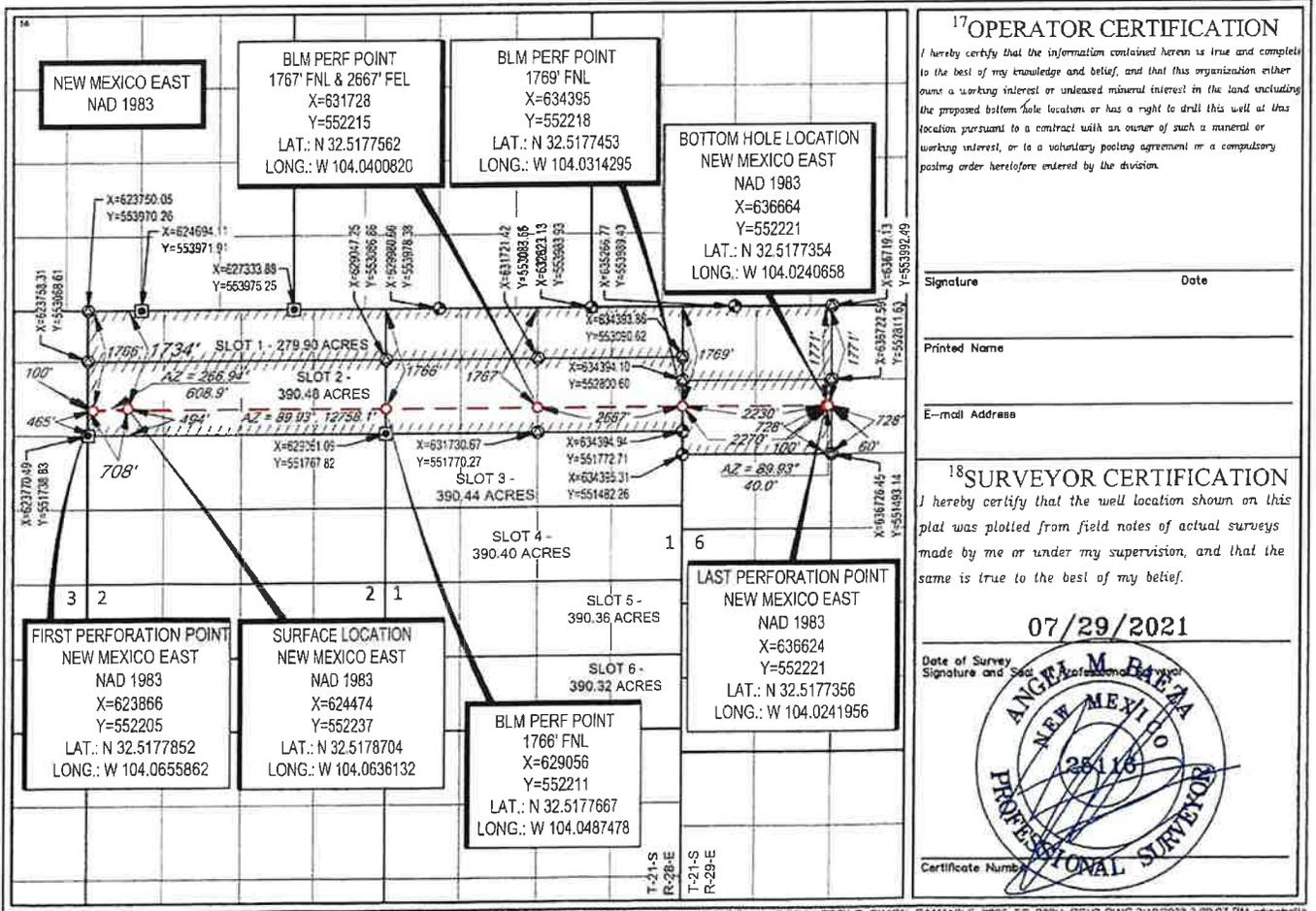
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
5	2	21-S	28-E	-	1734'	NORTH	708'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
6	6	21-S	29-E	-	1771'	NORTH	2270'	WEST	EDDY

¹² Dedicated Acres 670.38	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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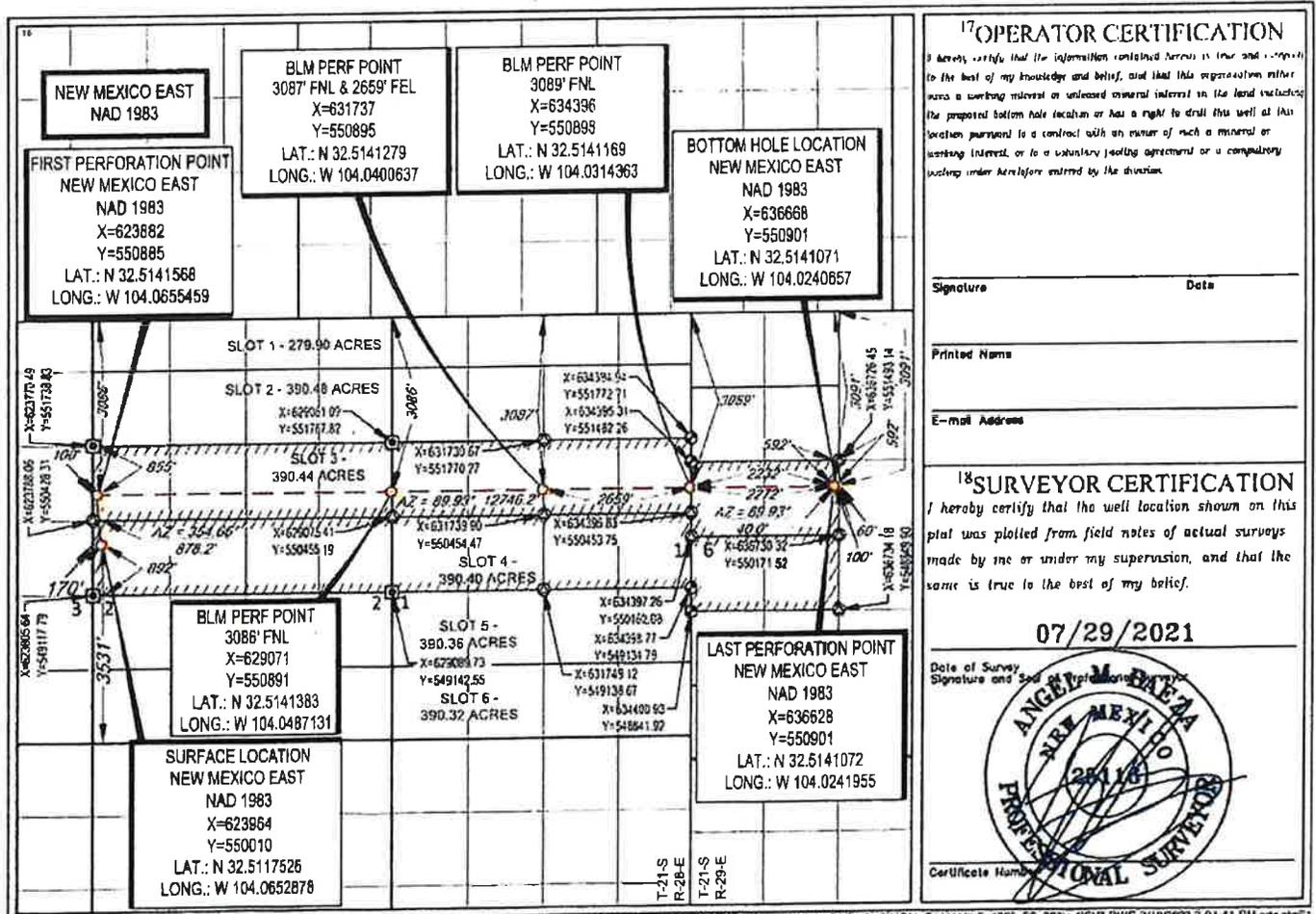
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 98315		³ Pool Name WC Burton Flat Upper Wolfcamp East					
⁴ Property Code		⁵ Property Name SIMON CAMAMILE 0208 FED COM			⁶ Well No. 203H				
⁷ OGRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY			⁹ Elevation 3311'				
¹⁰ Surface Location									
UL or lot no. 13	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 3531'	North/South line SOUTH	Feet from the 170'	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. 11	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 3091'	North/South line NORTH	Feet from the 2272'	East/West line WEST	County EDDY
¹² Dedicated Acres 780.84	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ Order No.					

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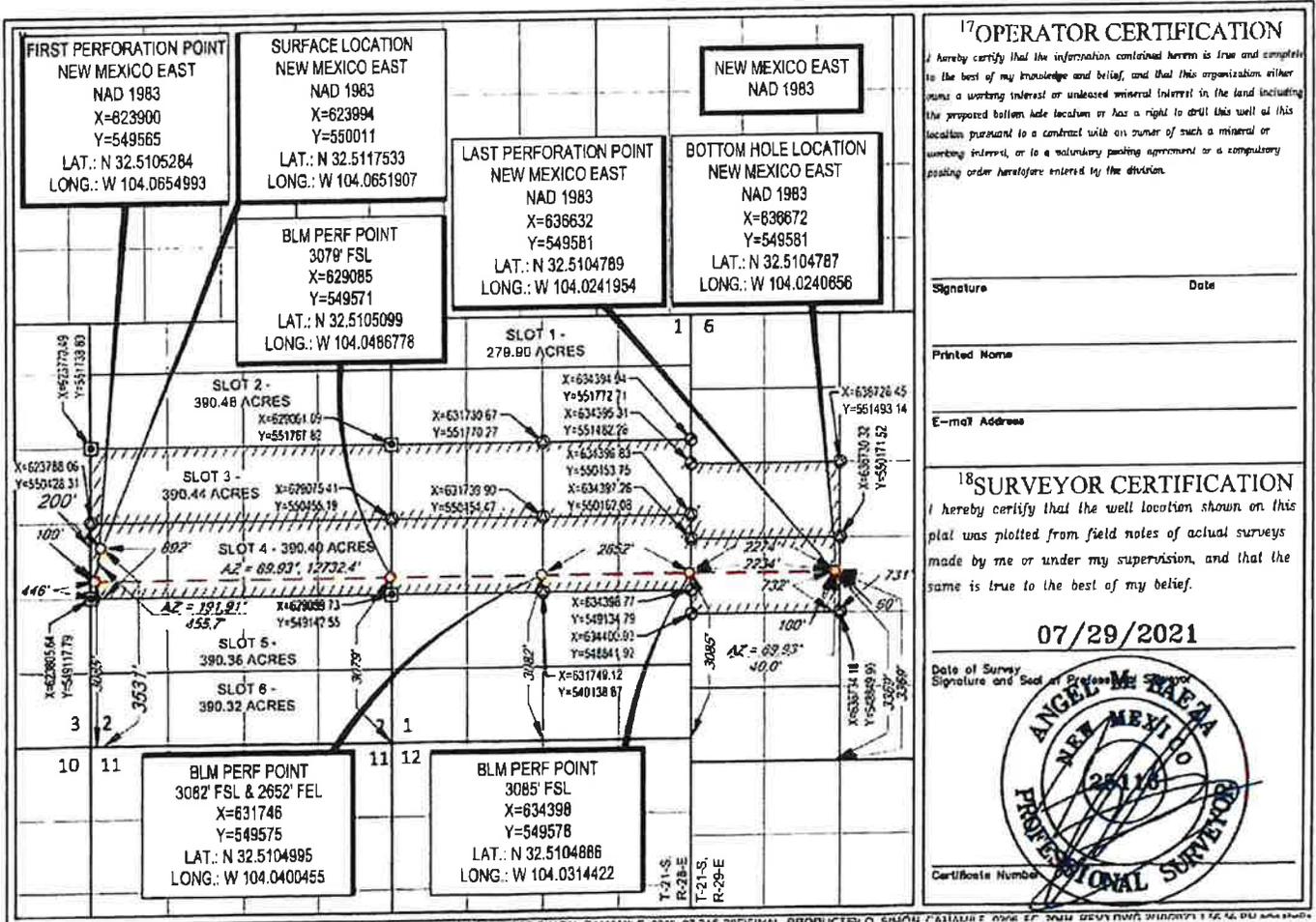
FORM C-102
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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



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WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number		Pool Code	Pool Name
		98315	WC Burton Flat Upper Wolfcamp East
Property Code	Property Name		Well Number
	SIMON CAMAMILE 0206 FED COM		205H
OGRID No.	Operator Name		Elevation
220937	MATADOR PRODUCTION COMPANY		3348'

10 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

11 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

Dedicated Acres	Tablet or InTR	Consolidation Code	Order No.
390.36			

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.

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that the operations either mine a working interest or upward recovery interest in the land underlying the proposed bottom hole location or has a right to drill the well of the location pursuant to a contract with an owner of such a mine or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: _____ Date: _____

Printed Name: _____

E-mail Address: _____

18 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 Surveyor

SLURV\Y\MATADOR_RESOURCE\DIVISION_CAMAMILE_0206_02316310\FINAL_PRODUCT\WELL_SLOT\CAMAMILE_0206_FC_205H_BREV.DWG 3/19/2021 10:13:29 AM sds

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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	
	SIMON CAMAMILE 0206 FED COM	
⁶ OCRTD No.	⁷ Operator Name	⁸ Elevation
228937	MATADOR PRODUCTION COMPANY	3349'

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	21-S	28-E	-	1250'	SOUTH	725'	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	County
N	6	21-S	29-E	-	729'	SOUTH	2265'	WEST	EDDY

¹² Dedicated Acres	¹³ Unit or Units	¹⁴ Consolidation Code	¹⁵ Order No.
390.32			

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.

NEW MEXICO EAST NAD 1927

FIRST PERFORATION POINT	SURFACE LOCATION	LAST PERFORATION POINT	BOTTOM HOLE LOCATION
NEW MEXICO EAST NAD 1927 X=582749 Y=546864 LAT.: N 32.5031522 LONG.: W 104.0649197	NEW MEXICO EAST NAD 1927 X=583365 Y=547670 LAT.: N 32.5053644 LONG.: W 104.0628157	NEW MEXICO EAST NAD 1927 X=595459 Y=546680 LAT.: N 32.5031023 LONG.: W 104.0236946	NEW MEXICO EAST NAD 1927 X=595499 Y=548880 LAT.: N 32.5031021 LONG.: W 104.0235848

SLOT 1 - 276.90 ACRES
SLOT 2 - 390.48 ACRES
SLOT 3 - 390.44 ACRES
SLOT 4 - 390.40 ACRES
SLOT 5 - 390.36 ACRES
SLOT 6 - 390.37 ACRES

BLM PERF POINT	BLM PERF POINT
438' FSL X=587833 Y=546870 LAT.: N 32.5031334 LONG.: W 104.0481070	445' FSL X=593234 Y=546877 LAT.: N 32.5031120 LONG.: W 104.0309117

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this organization either owns a working interest or an overriding mineral interest in the land including the proposed bottom hole location or has a right to drill the well of this location pursuant to a contract with an owner of such a mineral or working interest, or is a subsidiary, wholly owned or a company, partnership, or other business entity of the owner.

Signature: _____ Date: _____

Printed Name: _____

E-mail Address: _____

¹⁸SURVEYOR 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: _____

2 SURVEY\MATADOR_RESOURCES\SIMON_CAMAMILE_0206_01-215-26\FINAL_PRODUCT\SLD_SIMON_CAMAMILE_0206_FC_2021_REV1.DWG 2/27/21 10:16:50 AM

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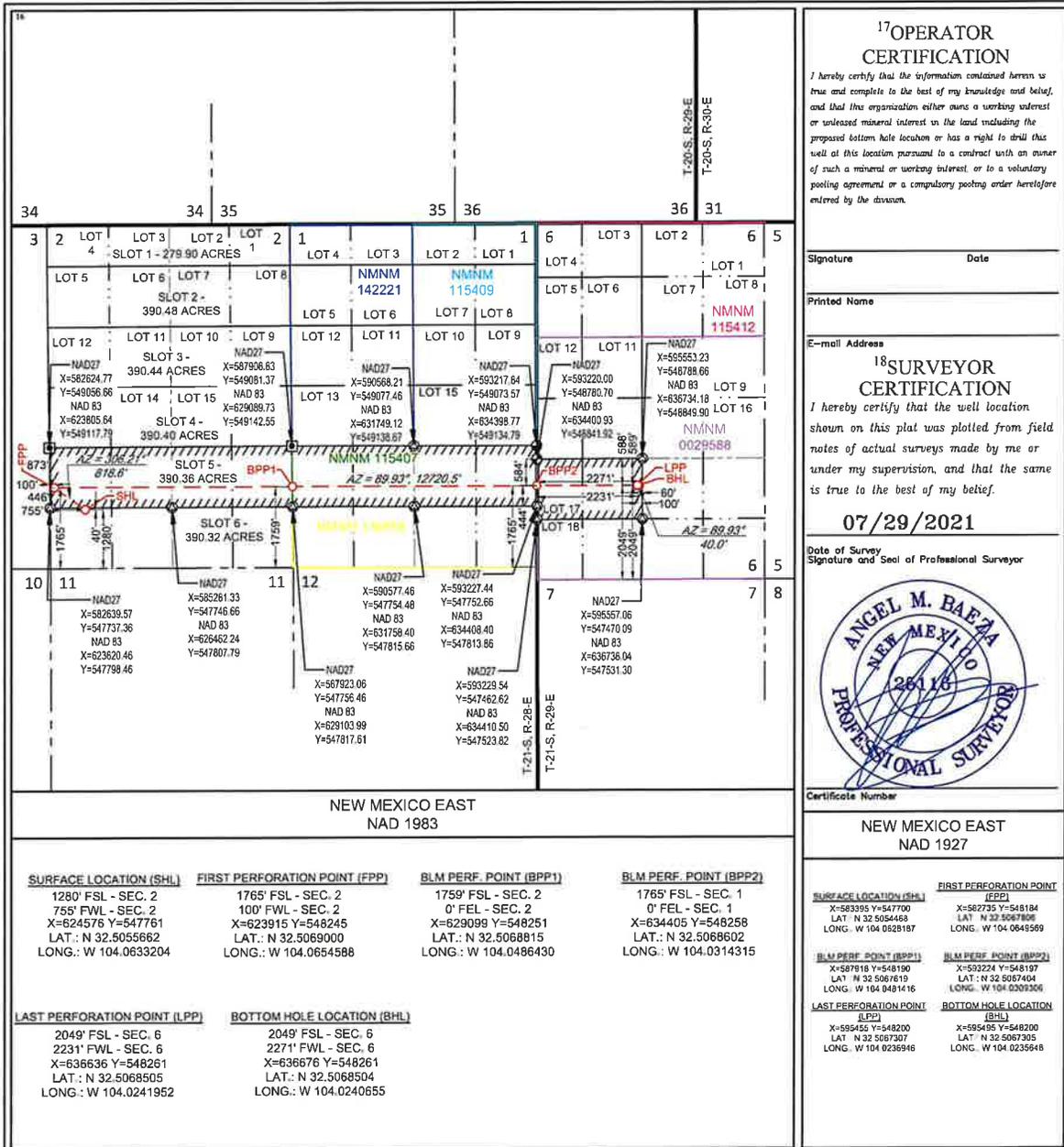
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code 97995		³ Pool Name WC-015 F-05 S202935P; Bone Spring					
⁴ Property Code		⁵ Property Name SIMON CAMAMILE 0206 FED COM		⁶ Well Number 125H					
⁷ OGRID No. 228937		⁸ Operator Name MATADOR PRODUCTION COMPANY		⁹ Elevation 3347'					
¹⁰ Surface Location									
UL or lot no. M	Section 2	Township 21-S	Range 28-E	Lot Idn -	Feet from the 1280'	North/South line SOUTH	Feet from the 755'	East/West line WEST	County EDDY
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. K	Section 6	Township 21-S	Range 29-E	Lot Idn -	Feet from the 2049'	North/South line SOUTH	Feet from the 2271'	East/West line WEST	County EDDY
¹² Dedicated Acres 390.36		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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



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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

¹⁰Surface Location

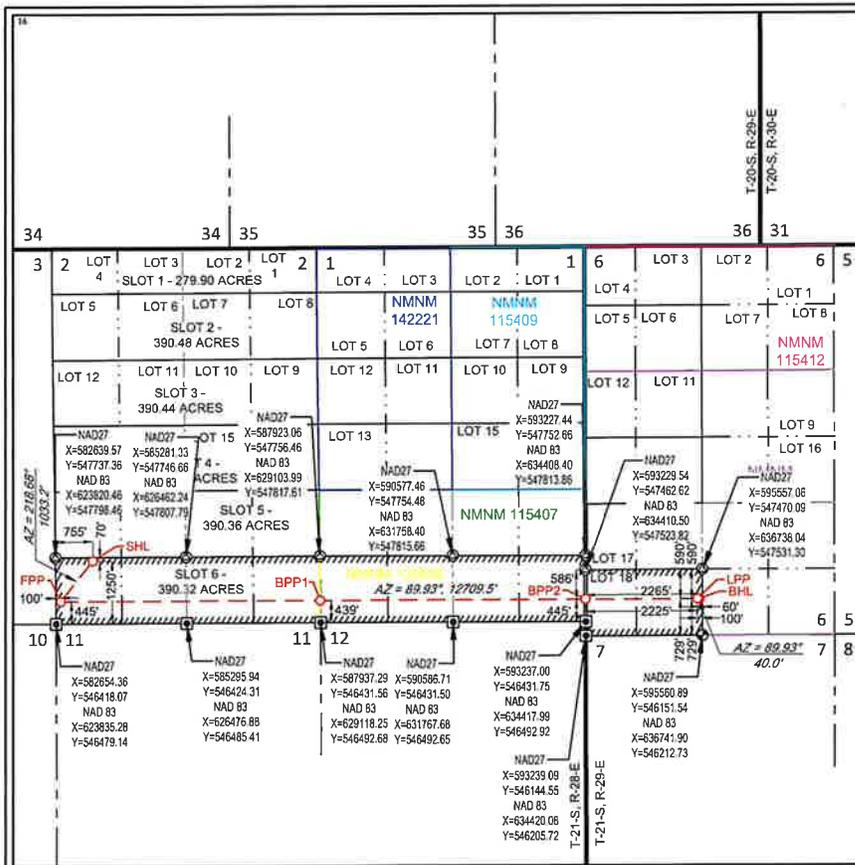
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	21-S	28-E	-	1250'	SOUTH	755'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	6	21-S	29-E	-	729'	SOUTH	2265'	WEST	EDDY

¹² Dedicated Acres 390.32	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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



17 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 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.

Signature _____ Date _____
Printed Name _____
E-mail Address _____

18 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

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 104.0486099	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		

SURFACE LOCATION (SHL) X=583395 Y=547670 LAT N 32 5053642 LONG. W 104 0628184	FIRST PERFORATION POINT (FPP) X=562749 Y=546864 LAT N 32 5031922 LONG. W 104 0649197
BLM PERF. POINT (BPP1) X=587933 Y=546670 LAT N 32 5031334 LONG. W 104 0481070	BLM PERF. POINT (BPP2) X=593234 Y=546877 LAT N 32 5031120 LONG. W 104 0309117
LAST PERFORATION POINT (LPP) X=595459 Y=546880 LAT N 32 5031023 LONG. W 104 0235948	BOTTOM HOLE LOCATION (BHL) X=554589 Y=546680 LAT N 32 5031021 LONG. W 104 0235648

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

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 1st 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 1/8th or 12 ½ 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 7/8th 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

CV


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

Date: 11/22/23

ACKNOWLEDGEMENT

STATE OF TEXAS)

COUNTY OF DALLAS)

On this 22nd 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.

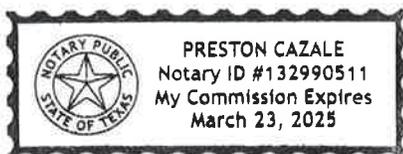
(SEAL)

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)

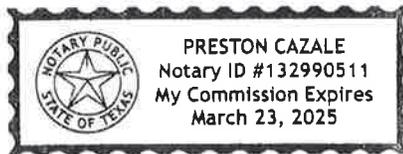
COUNTY OF DALLAS)

On this 27th 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 MRC Permian 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**

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

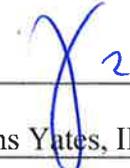
Jessica Bertolucci
Notary Public

STATE OF NEW MEXICO
NOTARY PUBLIC
JESSICA BERTOLUCCI
COMMISSION NUMBER 1015793
EXPIRATION DATE 06-03-2027

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

Jalapeno Corporation

Date: 10/1/23

By: 

Name: H. Emmons Yates, III

Title: Vice President

ACKNOWLEDGEMENT

STATE OF New Mexico)
)
COUNTY Bernalillo)

The foregoing instrument was acknowledged before me this 1st 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


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

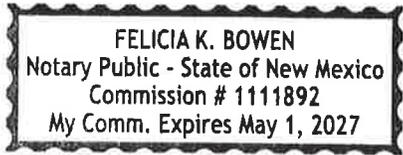
Date: September 26, 2023 By: [Signature]
Name: James B Campanella
Title: Member/Manager

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 2023 By: Charles R. Hicks
Name: CHARLES P. HICKS
Title: MANAGER member

ACKNOWLEDGEMENT

STATE OF New Mexico)
)
COUNTY Bernalillo)

The foregoing instrument was acknowledged before me this 20th 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: 07/23/2026 Monica Chavez
Notary Public

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

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

Concho Oil & Gas LLC

Date: 9-25-23

By: *Ryan D. Owen*

Name: Ryan D. Owen

Title: Attorney-in-Fact

*BTR
JW*

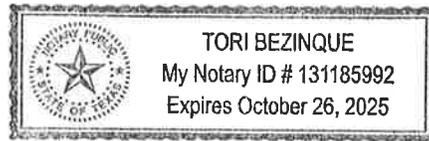
ACKNOWLEDGEMENT

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

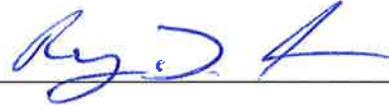
Tori Bezinque
Notary Public



**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

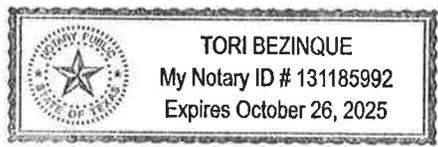


EXHIBIT "A"

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**

Lease Serial Number:	VB-0183-0003
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 – 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 3-6
Number of Acres:	134.09
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 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

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

Federal Communitization Agreement

Contract No. _____

THIS AGREEMENT entered into as of the 1st 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 1/8th or 12 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 7/8th 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

Tract 1 VB-0183-0003 320 Acres	Tract 2 NMNM-142221 160 Acres	Tract 3 NMNM-115409 160 Acres	Tract 4 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

Lease Serial Number:	VB-0183-0003
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: Lots 9-16
Number of Acres:	320
Current Lessee of Record:	Judah Oil LLC
Name of Working Interest Owners:	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

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

Federal Communitization Agreement

Contract No. _____

THIS AGREEMENT entered into as of the 1st 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

Lease Serial Number:	VB-0183-0003
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: Lots 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
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
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

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 1st 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

Lease Serial Number:	VB-0183-0003
Description of Land Committed:	Township 21 South, Range 28 East, Section 2: Lots 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
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

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 1st [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

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

3

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 pad

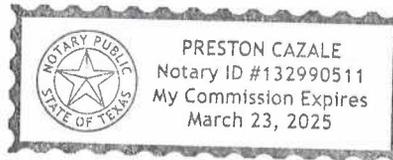
Acknowledgment in a Representative Capacity

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on November 27th, 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.

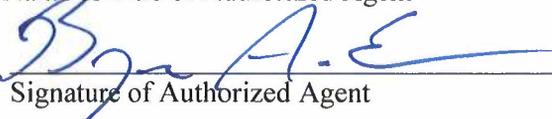

Signature of Notarial Officer
My commission expires 3/23/2025



**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 pad

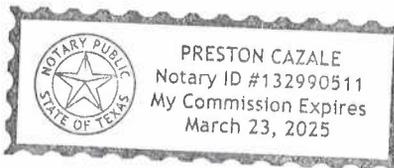
Acknowledgment in a Representative Capacity

STATE OF TEXAS) §

COUNTY OF DALLAS) §

This instrument was acknowledged before me on November 27th, 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: _____

Matthew W Smith
Print Name

Date: 9/28/23

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

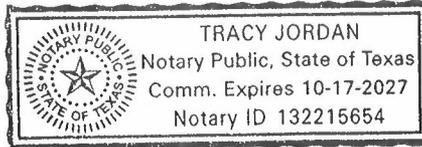
STATE OF Texas §

COUNTY OF Midland §

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

Tracy Jordan
Signature

Tracy Jordan
Name (Print)
My commission expires 10-17-2027



WORKING INTEREST OWNERS
AND/OR LESSEES OF RECORD

Judah Oil, LLC

By: [Signature]

James B Campanella
Print Name

Date: September 26, 2023

Acknowledgment in an Individual Capacity

STATE OF NM §

COUNTY OF Eddy §

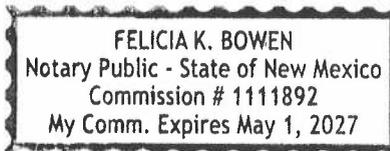
This instrument was acknowledged before me on September 26 2023, by

James B Campanella
Member/Manager
Judah Oil, LLC

[Signature]
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: *RDO*

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

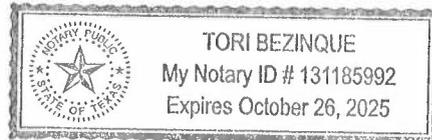
STATE OF TEXAS §

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.

Tori Bezinque
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. Bezinque
Signature

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

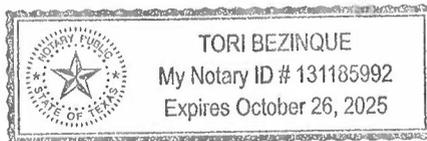


EXHIBIT "A"

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 th
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

ONLINE
version

State/State

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

ONLINE
version

State/State

10

RECAPITULATION

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

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,"

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 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

Tract 1 VB-0183-0003 320 Acres	Tract 2 NMNM-142221 160 Acres	Tract 3 NMNM-115409 160 Acres	Tract 4 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 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 th
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

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

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,"

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 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 th
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

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 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 th
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

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%

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.

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 1st 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 1st 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 1/8th or 12 ½ 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 7/8th 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

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

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

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.

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 1st 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.

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

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 1st 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 1/8th or 12 ½ 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 7/8th 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

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

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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,

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 ONeill and wife, Deborah ONeill	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.

MRC - Simon Camamile PLC Commingling
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. O'Neill, II, Trustee of the James A. O'Neill 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.

MRC - Simon Camamile PLC Commingling
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	2-21S-28E	
		9 10 11 12		
		13 14 15 16	6-21S-29E	
30-015-54366	Simon Camamile 0206 Federal Com #204H	9 10 11 12	1-21S-28E	98315
		13 14 15 16	2-21S-28E	
		9 10 11 12		
		13 14 15 16	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	

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

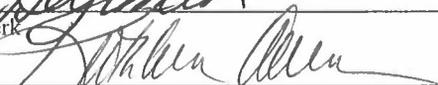
The Carlsbad Current Argus, a newspaper published in the city of Carlsbad, Eddy County, State of New Mexico, and personal knowledge of the facts herein state and that the notice hereto annexed was Published in said newspapers in the issue:

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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THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.

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. S. Investments, Ltd.; First Southern Funding, LLC; Voyage Energy, LP; Red River Holdings, LLC; TMT Energy Resources, Inc.; EMI 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; Eik 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; Pontem 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 K.Perkins@matadorresources.com.

**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.

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ORDER NO. R-22650

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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

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ORDER NO. R-22650

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Exhibit A

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COMPULSORY POOLING APPLICATION CHECKLIST	
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 22990	APPLICANT'S RESPONSE
Date	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
Formation/Pool	
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
Spacing Unit	
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.
Other Situations	
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
Well(s)	
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 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
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
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
Ownership Determination	
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
Joinder	
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
Requested Rating: 2/15/2023 1:36:54 AM	Exhibit C-5

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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
Geology	
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
Forms, Figures and Tables	
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
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Michael H. Feldewert
Signed Name (Attorney or Party Representative):	
Date:	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.

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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COMPULSORY POOLING APPLICATION CHECKLIST	
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 22992	APPLICANT'S RESPONSE
Date	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
Formation/Pool	
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
Spacing Unit	
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.
Other Situations	
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
Well(s)	
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
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000
Production Supervision/Month \$	\$800
Justification for Supervision Costs	Exhibit C
Requested Risk Charge	200%
Notice of Hearing	
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
Ownership Determination	
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
Joinder	
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
Requested Rating: 2/15/2023 10:30:55 AM	Exhibit C-5

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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
Geology	
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
Forms, Figures and Tables	
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
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Michael H. Feldewert
Signed Name (Attorney or Party Representative):	
Date:	14-Feb-23

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CASE NO. 22992
ORDER NO. R-22654

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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

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

11. Country or Parish, State

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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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"/> 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 recomplete 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 performed 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 determined 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 ₂ 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 (H₂S) 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 1st 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 3rd 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 3rd 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 1st intermediate casing shoe to the setting of the 2nd 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 2nd 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 1st 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 1st intermediate casing shoe shall be **5000 (5M) psi**. Before drilling out the 1st 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

(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 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **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

Table with 3 columns: API Number (30-025-), Pool Code (97995), Pool Name (WC-015 G-05 S202935P; BONE SPRING), Property Code, Property Name (SIMON CAMAMILE 0206 FED COM), Well Number (126H), OGRID No. (7377), Operator Name (MATADOR PRODUCTION COMPANY), Elevation (3347')

Surface Location

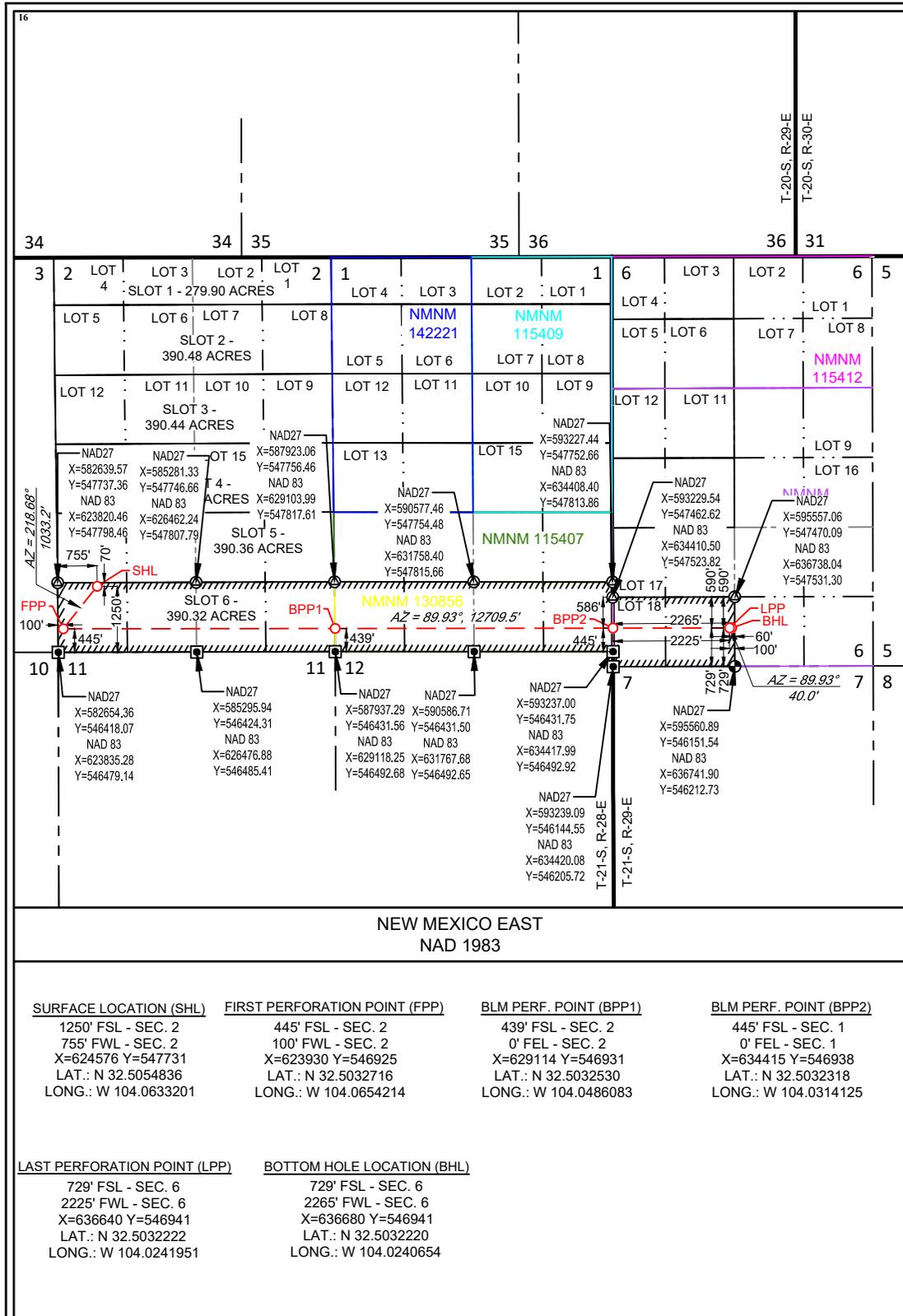
Table with 10 columns: UL or lot no. (M), Section (2), Township (21-S), Range (28-E), Lot Idn (-), Feet from the (1250'), North/South line (SOUTH), Feet from the (755'), East/West line (WEST), County (EDDY)

Bottom Hole Location If Different From Surface

Table with 10 columns: 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)

Table with 4 columns: Dedicated Acres (390.32), Joint or Infill, Consolidation Code, 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.



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
chahn@matadorresources.com
E-mail Address

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.

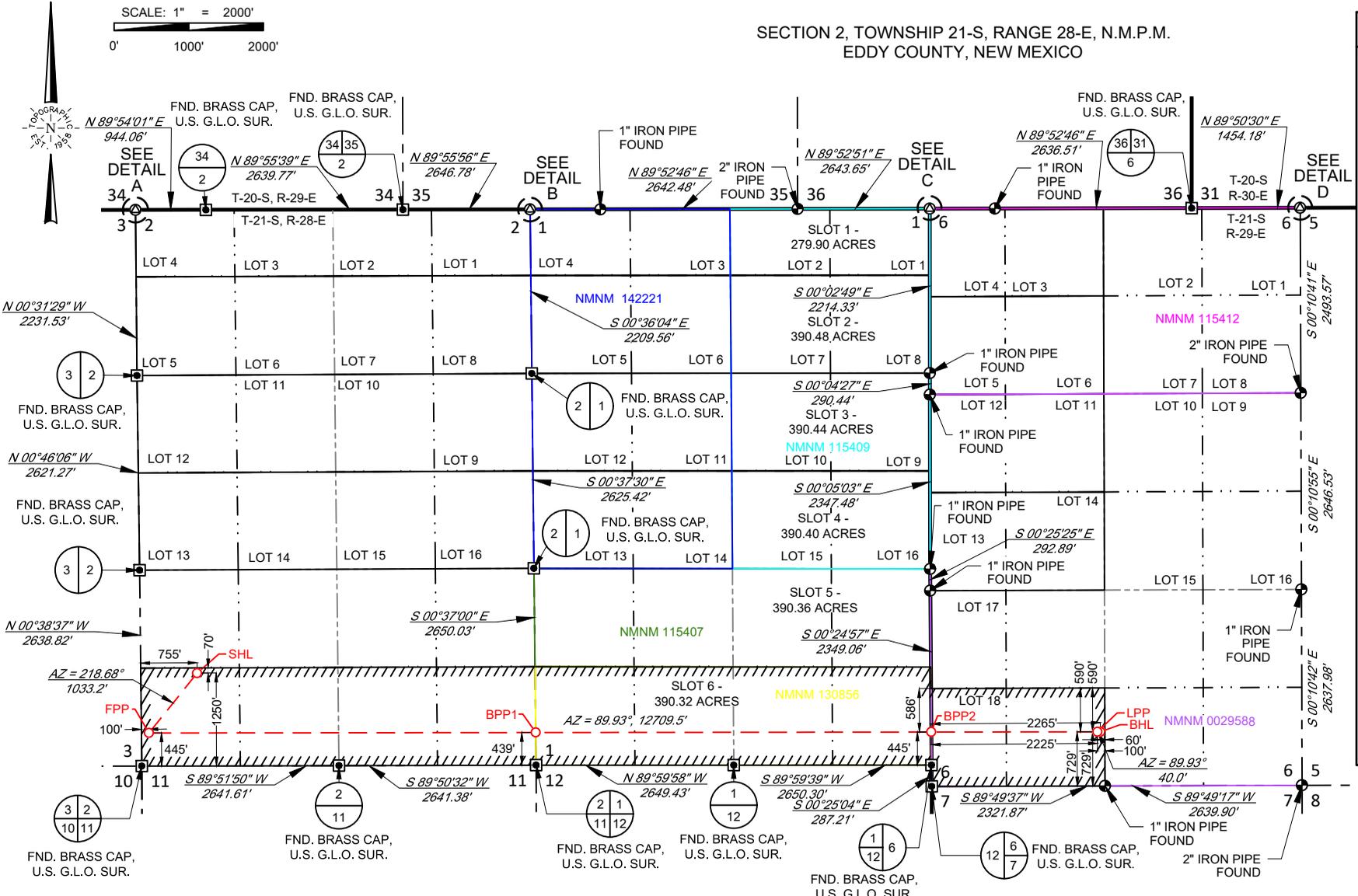
07/29/2021
Date of Survey
Signature and Seal of Professional Surveyor



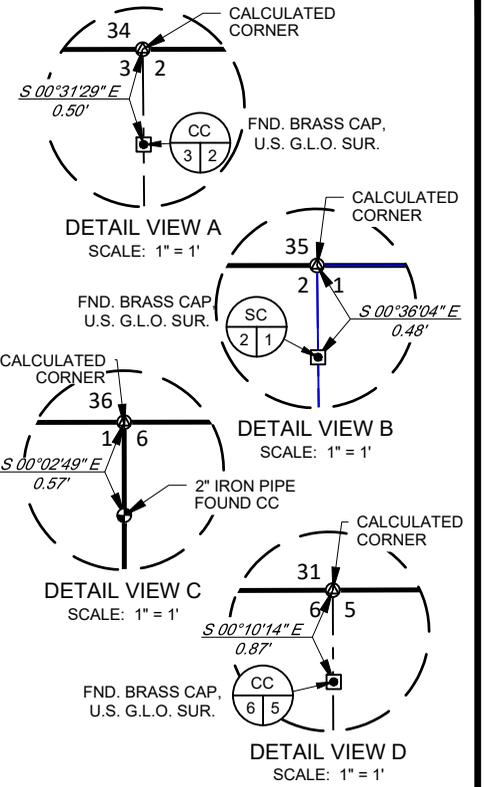
Certificate Number
NEW MEXICO EAST
NAD 1927

Table with 4 columns: SURFACE LOCATION (SHL), FIRST PERFORATION POINT (FPP), BLM PERF. POINT (BPP1), BLM PERF. POINT (BPP2), LAST PERFORATION POINT (LPP), BOTTOM HOLE LOCATION (BHL) with associated coordinates.

SECTION 2, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M. EDDY COUNTY, NEW MEXICO



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	



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.



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

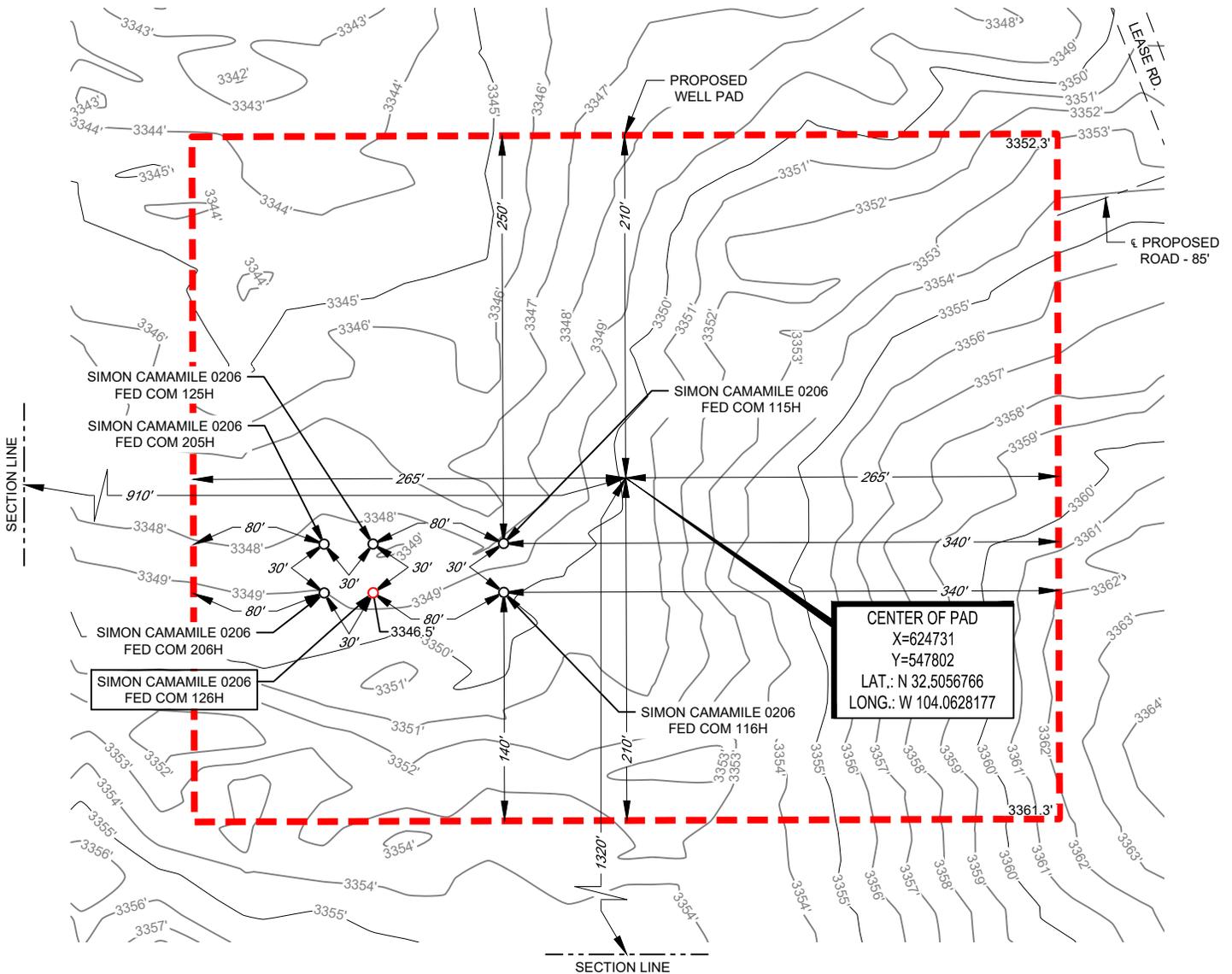


LEGEND

- 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'



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



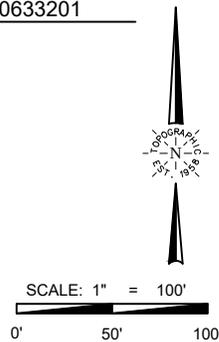
Angel M. Baeza, P.S. No. 25116

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"



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

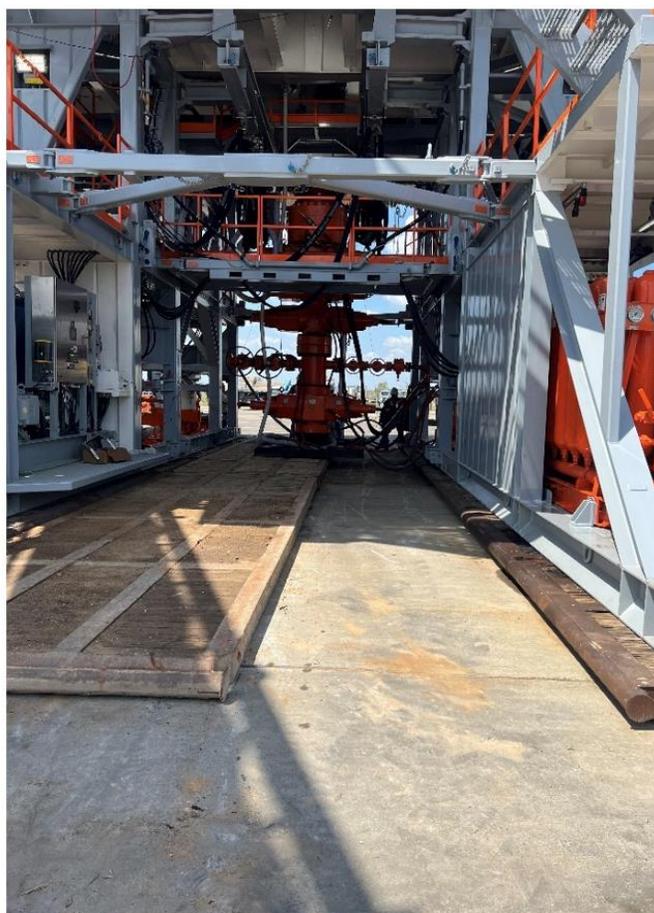
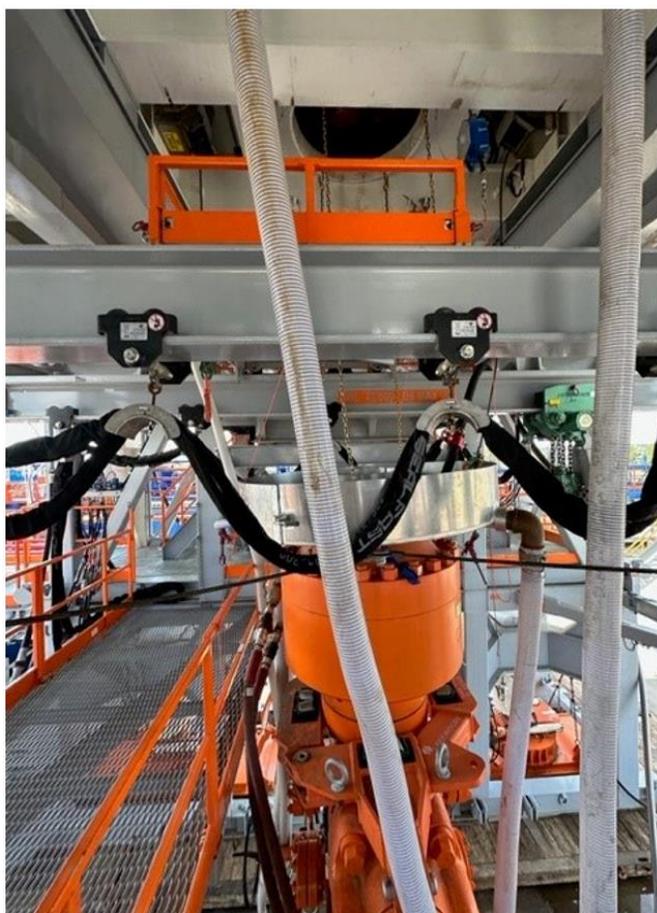
Township/Range: 21S 28E
Elevation Above Sea Level: 3347'

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

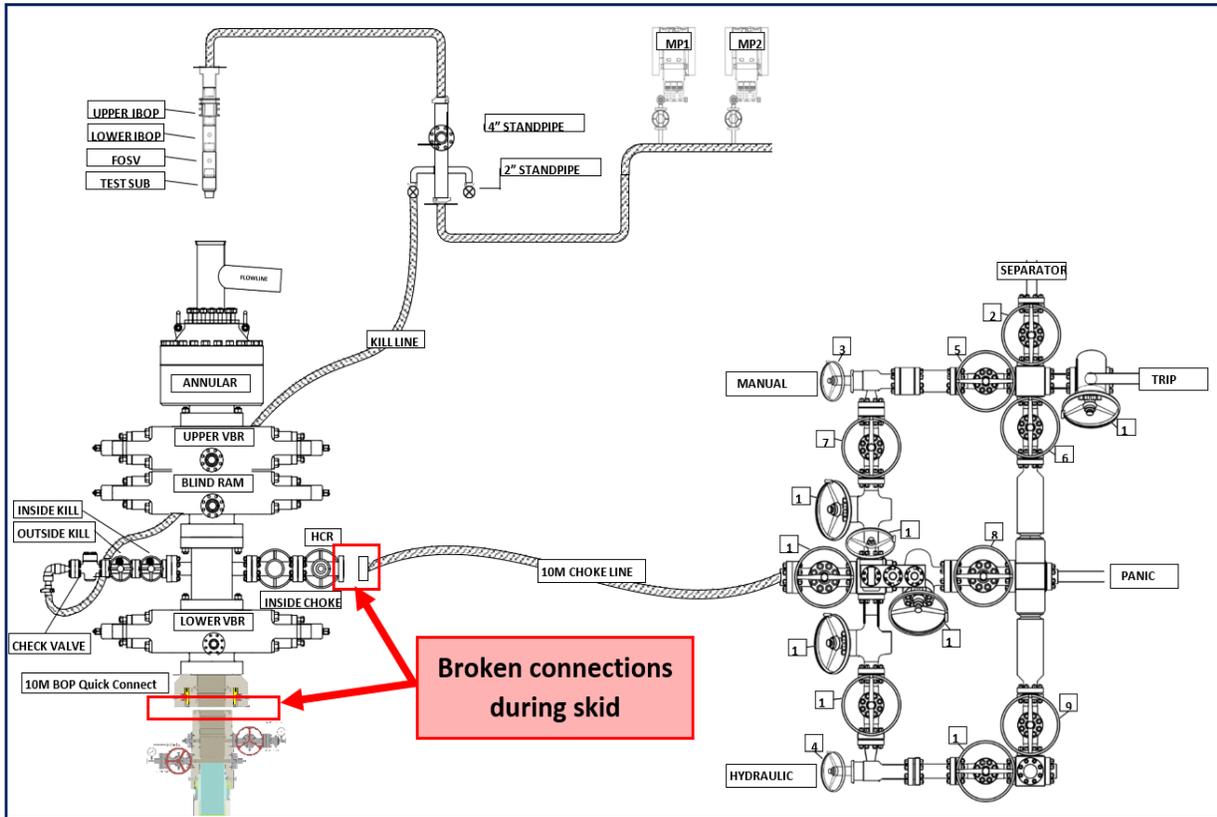


Figure 3: Shows which connections are broken during the skidding process

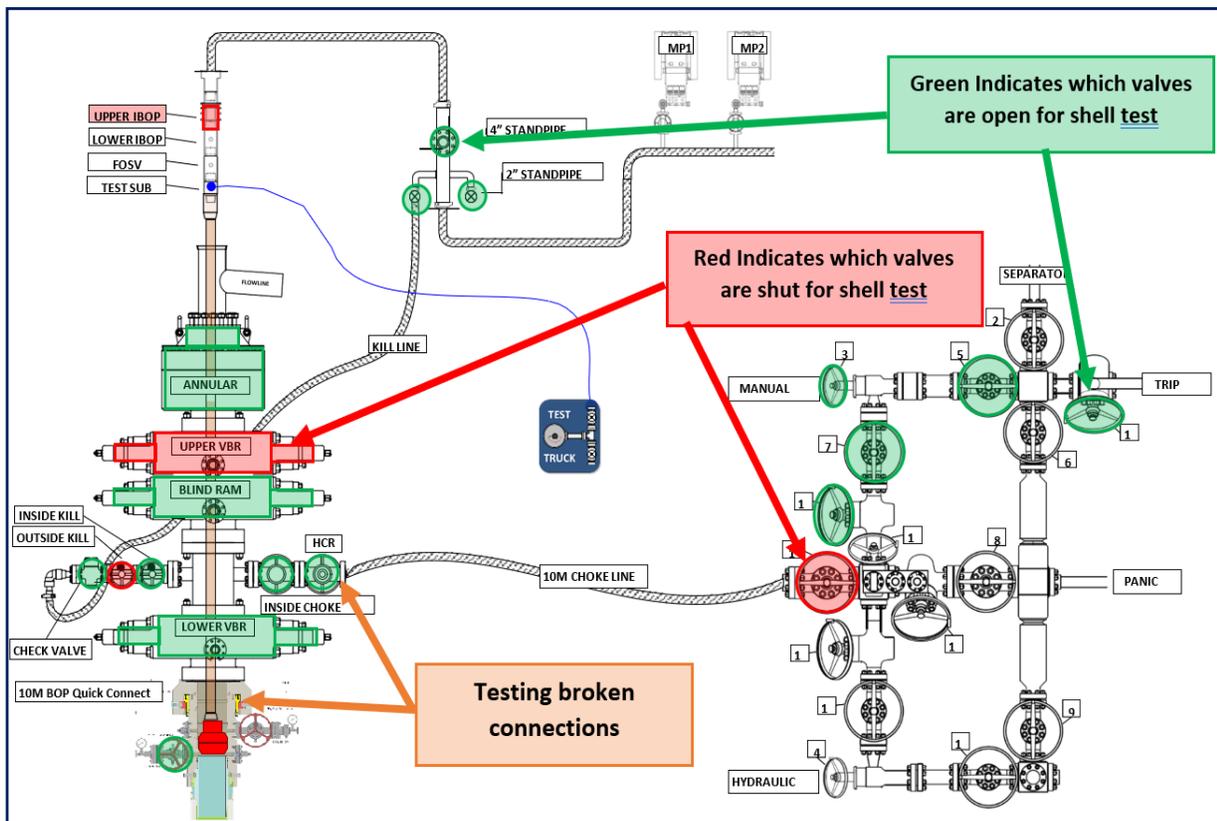


Figure 4: Shows which valves are shut/open for the shell test, testing both broken connections

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

Casing Specs - 8.625" 32lb Hunting TLW

Simon Camamile 0206 Fed Com 126H
 SHL: 1250' FSL & 755' FWL Section 2

Township/Range: 21S 28E
 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 ²
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*lbf
Optimum Makeup Torque:	33,600	ft*lbf
Maximum Makeup Torque:	74,300	ft*lbf
Minimum Yield:	82,600	ft*lbf
Makeup Loss:	5.97	in

Notes Operational Torque is equivalent to the Maximum Make-Up Torque

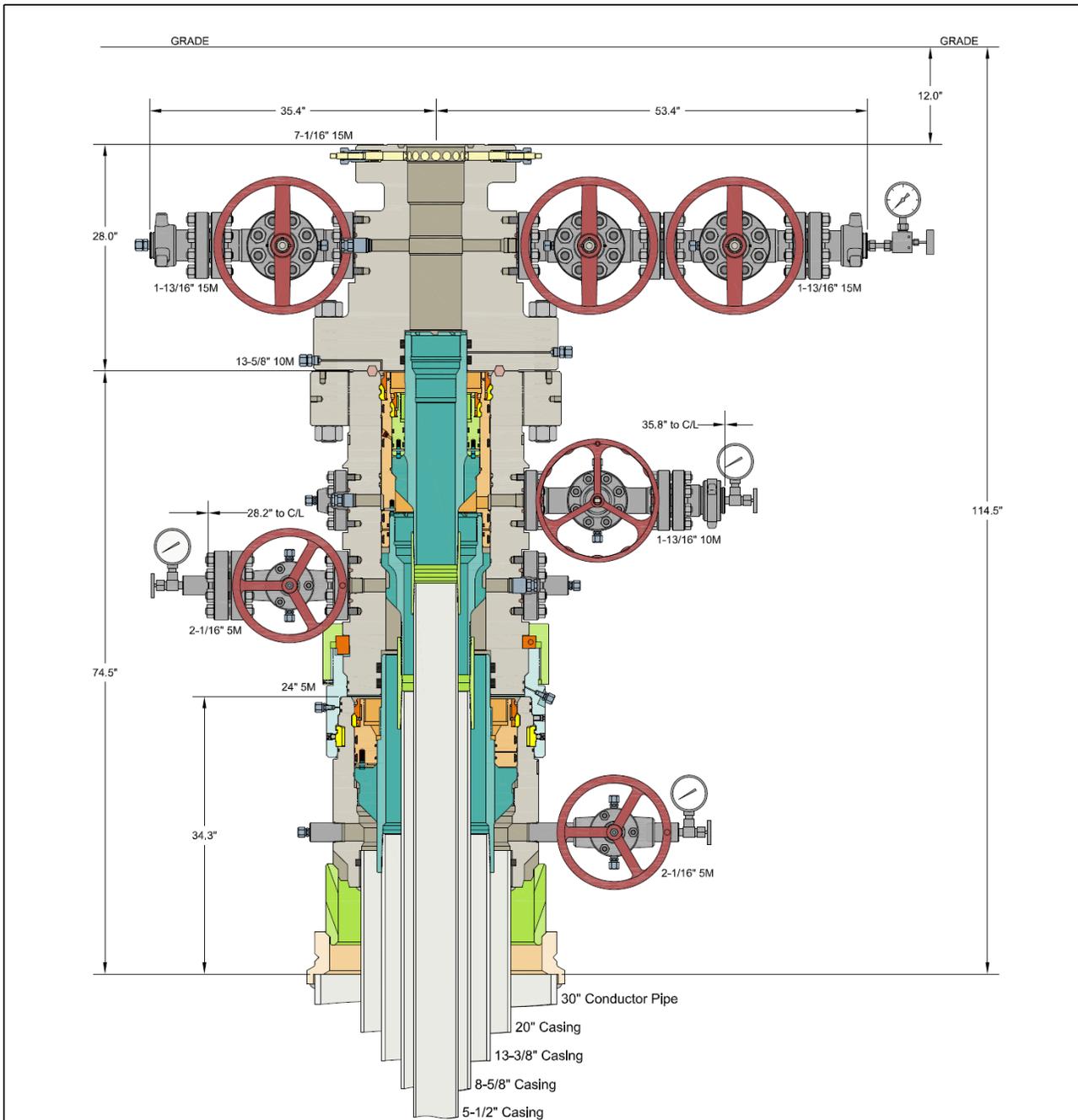


Generated on 7/26/2022

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

<h2>CACTUS WELLHEAD LLC</h2>	MATADOR PRODUCTION COMPANY WEST TEXAS	
	DRAWN APPRV	DLE 14DEC23
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

LTYQ/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 rd edition
Inspection Department	Q.C. Department	Inspection date	2024.02.20

Inspection Items	Inspection results
Appearance Checking	In accordance with API Spec 16C 3 rd edition
Size and Lengths	In accordance with API Spec 16C 3 rd edition
Dimensions and Tolerances	In accordance with API Spec 16C 3 rd edition
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 6A 21 st edition
End Connections: 4-1/16"×10000psi Integral flange for sour gas service	In accordance with API Spec 17D 3 rd edition
Hydrostatic Testing	In accordance with API Spec 16C 3 rd edition
product Marking	In accordance with API Spec 16C 3 rd edition

Inspection conclusion	The inspected items meet standard requirements of API Spec 16C 3 rd edition
-----------------------	--

Remarks	
---------	--

Approver	Jane C	Auditor	Alice D	Inspector	Leo W
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LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD



Co-Flex Hose Certification



HYDROSTATIC TESTING REPORT

LTYT/QR-5.7.1-28

No: 240220001

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd 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

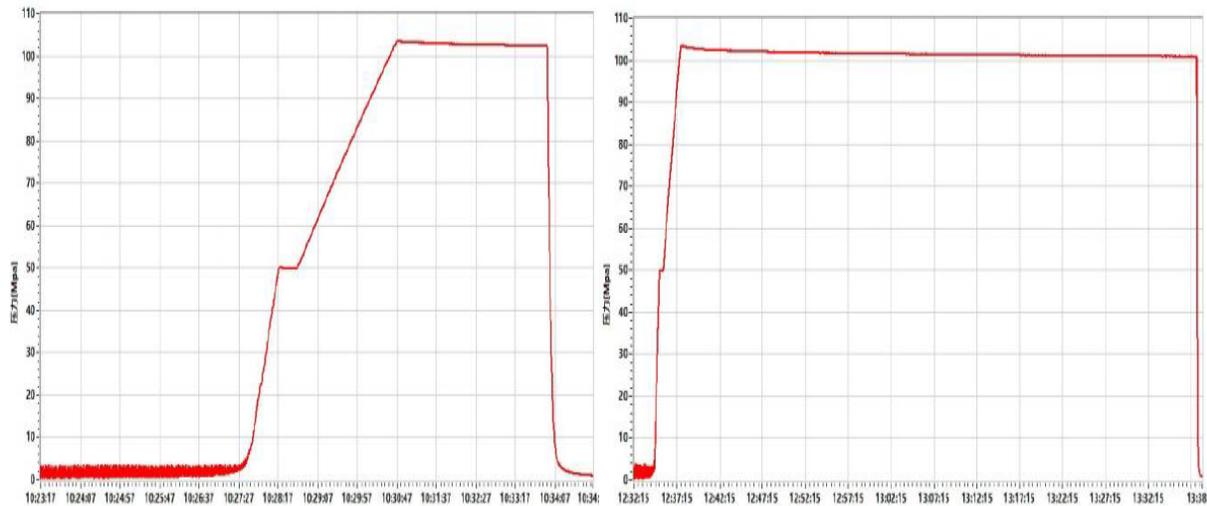
Rate of length change

Standard requirements	At working pressure ,the rate of length change should not more than65 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 rd edition				
Approver	<i>Jane C</i>	Auditor	<i>Alice D</i>	Inspector	<i>Leo W</i>

LUOHE LETONE HYDRAULICS TECHNOLOGY CO.,LTD



Co-Flex Hose Certification



HYDROSTATIC TESTING REPORT

LTYY/QR-5.7.1-28

№: 240220002

Product Name	Choke And Kill Hose	Standard	API Spec 16C 3 rd 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

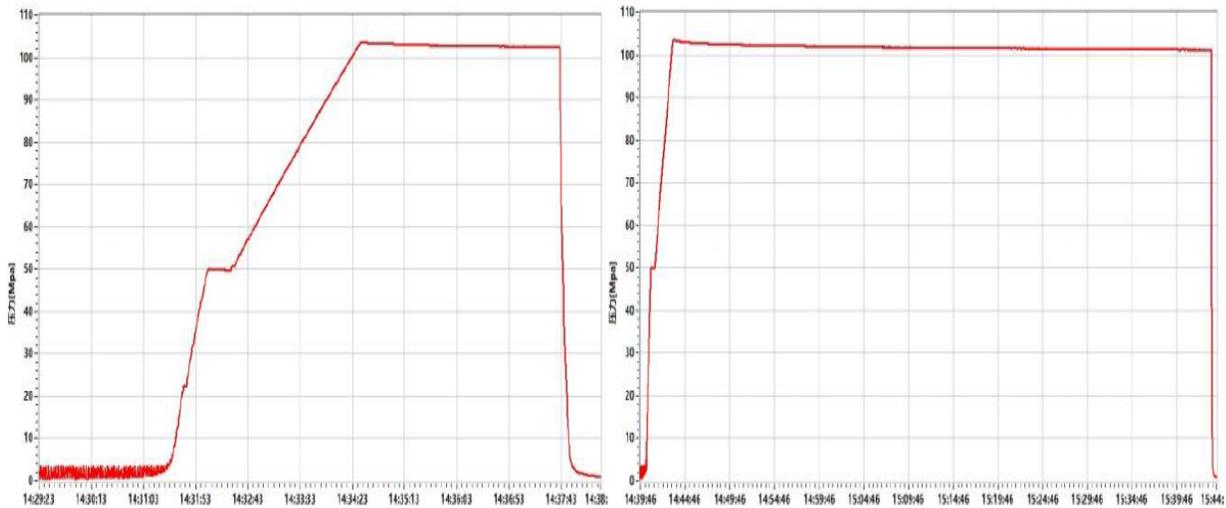
Rate of length change

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 rd 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 3rd 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 3rd 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.

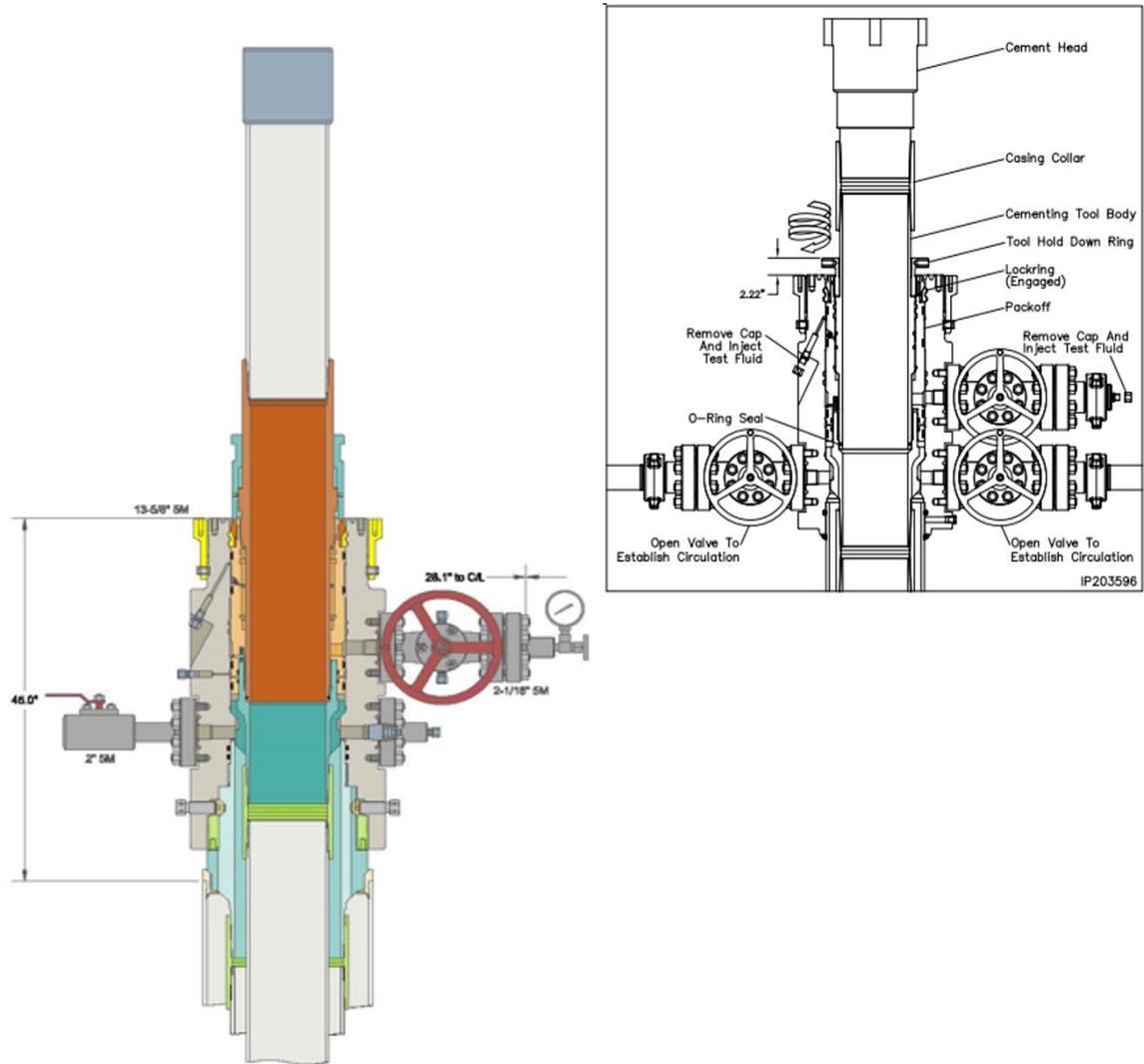
Offline Cementing Procedure

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

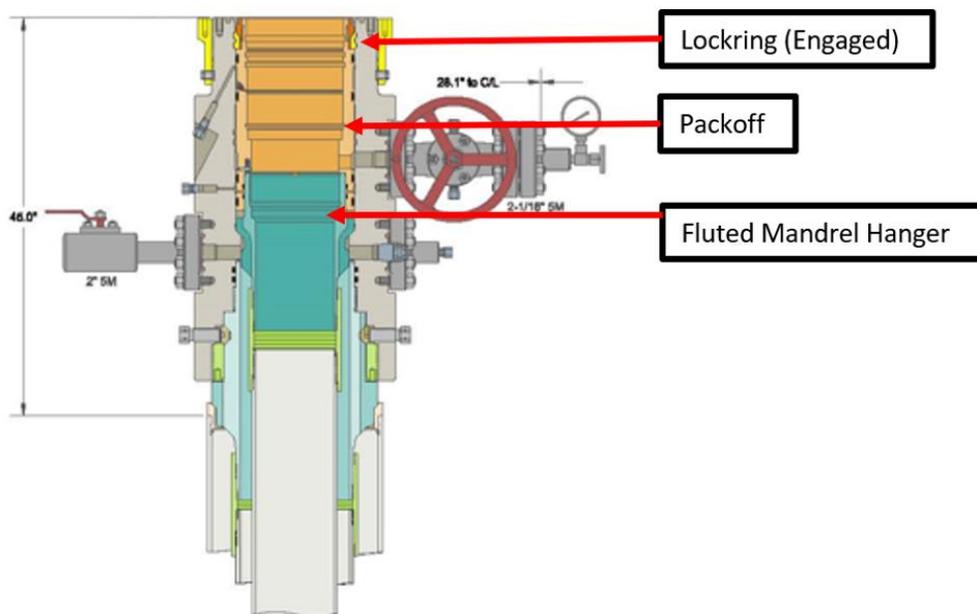
Figure 1: Cactus Offline Cementing Tool Schematic (5M tool)



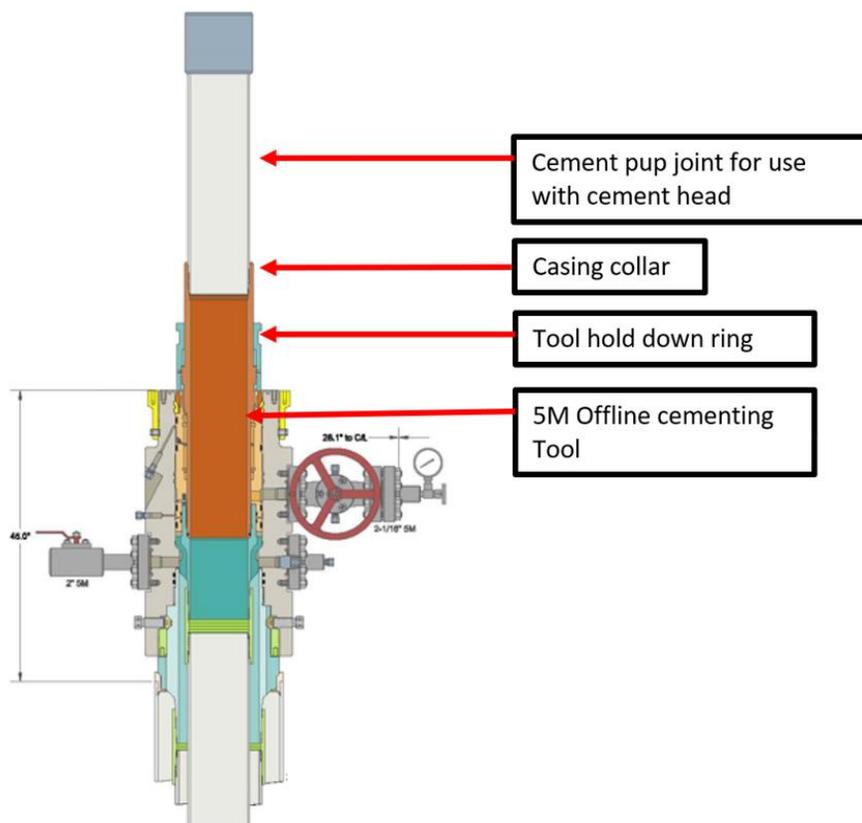
Offline Cementing - Intermediate Casing

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.

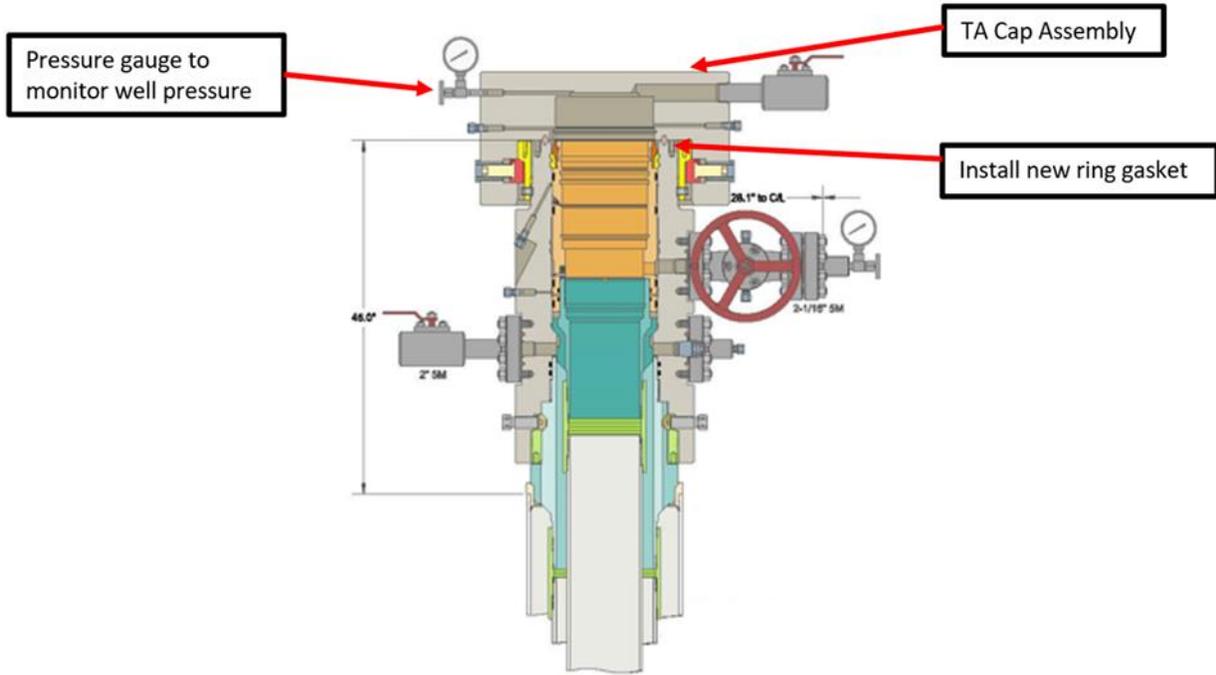


Step 2: Install casing hanger/packoff offline cementing tool.



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.

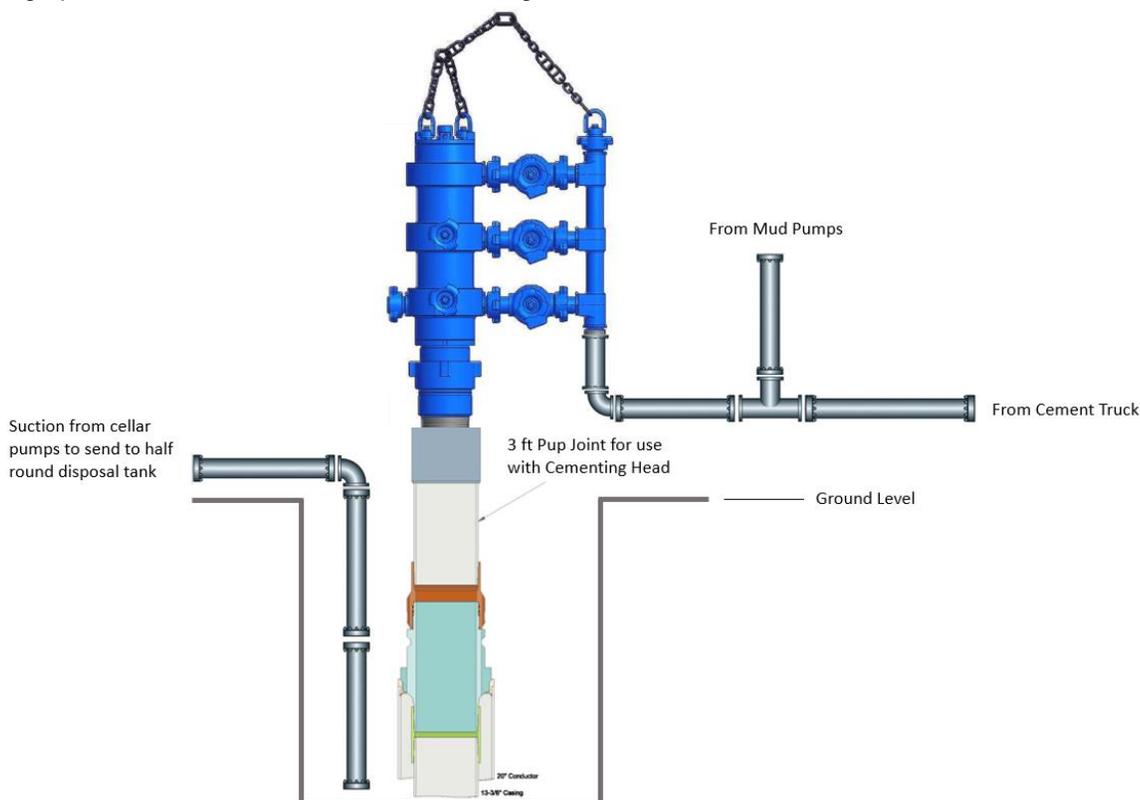
Cement Program

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)	Tool Name	Description
0.0	21,213.6	BLM Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance		Separation Factor	Warning
			Between Centres (usft)	Between Ellipses (usft)		
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	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance		Minimum Separation (usft)	Separation Factor	Warning
				Reference (usft)	Offset (usft)				Between Centres (usft)	Between Ellipses (usft)			

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 #113H - BLM Plan #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		
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	2,250.6	-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													Simon Camamile Fed Com - Simon Camamile Fed Com #113H - BLM Plan #1 - BLM Plan #1		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	6,293.1	6,219.1	29.0	25.8	135.84	3,095.7	-735.8	3,866.6	3,817.6	49.24	78.500				
7,100.0	7,023.1	6,388.4	6,313.0	29.4	26.2	135.97	3,112.1	-738.2	3,895.1	3,845.6	50.00	77.883				
7,200.0	7,121.8	6,483.7	6,406.9	29.9	26.6	136.10	3,128.5	-740.6	3,923.6	3,873.6	50.76	77.276				
7,300.0	7,220.4	6,579.0	6,500.2	30.3	27.0	136.23	3,144.9	-743.0	3,952.0	3,901.6	51.52	76.679				
7,400.0	7,319.1	6,674.3	6,593.5	30.7	27.4	136.36	3,161.3	-745.4	3,980.4	3,929.6	52.28	76.092				
7,466.5	7,384.7	6,747.2	6,666.4	31.0	27.7	136.48	3,168.7	-747.8	3,987.8	3,937.0	52.52	75.916				
7,500.0	7,417.8	6,780.3	6,709.5	31.2	27.9	136.59	3,176.1	-749.2	3,995.2	3,944.4	52.76	75.750				
7,600.0	7,516.9	6,875.6	6,803.6	31.6	28.3	136.71	3,183.5	-751.6	4,002.6	3,951.8	53.00	75.584				
7,700.0	7,616.2	6,970.9	6,907.7	32.0	28.7	136.83	3,190.9	-754.0	4,010.0	3,959.2	53.24	75.418				
7,800.0	7,715.8	7,066.2	7,001.6	32.4	29.1	136.94	3,198.3	-756.4	4,017.4	3,966.6	53.48	75.252				
7,900.0	7,815.6	7,161.5	7,095.5	32.8	29.5	137.05	3,205.7	-758.8	4,024.8	3,974.0	53.72	75.086				
8,000.0	7,915.5	7,256.8	7,189.4	33.1	29.9	137.16	3,213.1	-761.2	4,032.2	3,981.4	53.96	74.920				
8,086.5	8,002.0	7,352.1	7,283.3	33.3	30.1	137.26	3,220.5	-763.6	4,039.6	3,988.8	54.20	74.754				
8,100.0	8,015.5	7,365.6	7,296.8	33.4	30.2	137.36	3,227.9	-765.0	4,047.0	3,996.2	54.44	74.588				
8,150.0	8,065.4	7,416.0	7,347.2	33.5	30.3	137.45	3,235.3	-766.4	4,054.4	3,999.6	54.68	74.422				
8,200.0	8,114.8	7,466.4	7,397.6	33.6	30.4	137.54	3,242.7	-767.8	4,061.8	4,003.0	54.92	74.256				
8,250.0	8,163.3	7,516.8	7,448.0	33.7	30.5	137.63	3,250.1	-769.2	4,069.2	4,006.4	55.16	74.090				
8,300.0	8,210.6	7,567.2	7,498.4	33.8	30.6	137.72	3,257.5	-770.6	4,076.6	4,009.8	55.40	73.924				
8,350.0	8,256.3	7,617.6	7,548.8	33.8	30.7	137.81	3,264.9	-772.0	4,084.0	4,013.2	55.64	73.758				
8,400.0	8,300.1	7,668.0	7,599.2	33.9	30.8	137.90	3,272.3	-773.4	4,091.4	4,016.6	55.88	73.592				
8,450.0	8,341.6	7,718.4	7,649.6	33.9	30.9	137.99	3,279.7	-774.8	4,098.8	4,020.0	56.12	73.426				
8,500.0	8,380.6	7,768.8	7,699.9	33.9	31.0	138.08	3,287.1	-776.2	4,106.2	4,023.4	56.36	73.260				
8,550.0	8,416.6	7,819.2	7,750.3	33.9	31.1	138.17	3,294.5	-777.6	4,113.6	4,026.8	56.60	73.094				
8,600.0	8,449.5	7,869.6	7,790.7	33.9	31.2	138.26	3,301.9	-779.0	4,121.0	4,030.2	56.84	72.928				
8,650.0	8,479.0	7,919.9	7,831.1	33.9	31.3	138.35	3,309.3	-780.4	4,128.4	4,033.6	57.08	72.762				
8,700.0	8,504.8	7,970.3	7,871.5	33.9	31.4	138.44	3,316.7	-781.8	4,135.8	4,037.0	57.32	72.596				
8,750.0	8,526.9	8,020.7	7,911.9	33.8	31.5	138.53	3,324.1	-783.2	4,143.2	4,040.4	57.56	72.430				
8,800.0	8,544.9	8,071.1	7,952.3	33.8	31.6	138.62	3,331.5	-784.6	4,150.6	4,043.8	57.80	72.264				
8,850.0	8,558.8	8,121.5	7,992.7	33.8	31.7	138.71	3,338.9	-786.0	4,158.0	4,047.2	58.04	72.098				
8,900.0	8,568.4	8,171.9	8,033.1	33.7	31.8	138.80	3,346.3	-787.4	4,165.4	4,050.6	58.28	71.932				
8,950.0	8,573.8	8,222.3	8,073.5	33.7	31.9	138.89	3,353.7	-788.8	4,172.8	4,054.0	58.52	71.766				
8,986.5	8,575.0	8,272.7	8,113.9	33.7	32.0	138.98	3,361.1	-790.2	4,180.2	4,057.4	58.76	71.600				
8,993.2	8,575.0	8,323.1	8,154.3	33.8	32.1	139.07	3,368.5	-791.6	4,187.6	4,060.8	59.00	71.434				

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 #113H - BLM Plan #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		
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

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			
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													Offset Site Error:	0.0 usft		
Survey Program: 0-MWD													Simon Camamile Fed Com - Simon Camamile Fed Com #113H - BLM Plan #1 - BLM Plan #1		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 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													Simon Camamile Fed Com - Simon Camamile Fed Com #114H - Wellbore #1 - BLM Plan #1		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
Simon Camamile Fed Com - Simon Camamile Fed Com #114H - Wellbore #1 - BLM Plan #1													Warning	
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		
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													Simon Camamile Fed Com - Simon Camamile Fed Com #114H - Wellbore #1 - BLM Plan #1	Offset Site Error:	0.0 usft
Survey Program: 0-MWD														Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
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 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: 0-MWD													Simon Camamile Fed Com - Simon Camamile Fed Com #114H - Wellbore #1 - BLM Plan #1		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

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 #114H - Wellbore #1 - BLM Plan #1	Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
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

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
Simon Camamile Fed Com - Simon Camamile Fed Com #116H - Wellbore #1 - BLM Plan #1														
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
Simon Camamile Fed Com - Simon Camamile Fed Com #116H - 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		
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

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 #116H - 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		
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

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 #116H - 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		
14,000.0	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

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 #116H - Wellbore #1 - BLM Plan #1	Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)		Separation Factor	
19,200.0	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
Simon Camamile Fed Com - Simon Camamile Fed Com #125H - 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		
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

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	5,006.6	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

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			
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

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	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													Offset Site Error:	0.0 usft
Simon Camamile Fed Com - Simon Camamile Fed Com #125H - 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		
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

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		
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													Simon Camamile Fed Com - Simon Camamile Fed Com #134H - Wellbore #1 - BLM Plan #1		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

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		
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 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
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
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	-15.18	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

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													Simon Camamile Fed Com - Simon Camamile Fed Com #135H - Wellbore #1 - BLM Plan #1		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	1,227.8	-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

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													Simon Camamile Fed Com - Simon Camamile Fed Com #135H - Wellbore #1 - BLM Plan #1		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

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						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

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													Simon Camamile Fed Com - Simon Camamile Fed Com #135H - Wellbore #1 - BLM Plan #1		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

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 #136H - 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		
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

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			
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

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													Simon Camamile Fed Com - Simon Camamile Fed Com #136H - Wellbore #1 - BLM Plan #1		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

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			
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 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 #203H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 196-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		
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

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 #203H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 196-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		
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	17.707		
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	19.203		
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

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 #203H - Wellbore #1 - Actual	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

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 #203H - Wellbore #1 - Actual	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

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 #204H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 164-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		
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
Simon Camamile Fed Com - Simon Camamile Fed Com #204H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 164-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		
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	-0.75	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
Simon Camamile Fed Com - Simon Camamile Fed Com #204H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 164-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		
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

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 #204H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 164-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		
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

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 #204H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 164-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		
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

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 #205H - 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		
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

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	5,024.4	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

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 #205H - 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		
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
Simon Camamile Fed Com - Simon Camamile Fed Com #205H - 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	15,439.7	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

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		
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
Simon Camamile Fed Com - Simon Camamile Fed Com #206H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 176-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		
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

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 #206H - Wellbore #1 - Actual	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

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 #206H - Wellbore #1 - Actual													Offset Well Error:	0.0 usft
Survey Program: 176-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		
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

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 #206H - Wellbore #1 - Actual	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
Simon Camamile Fed Com - Simon Camamile Fed Com #224H - 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		
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
Simon Camamile Fed Com - Simon Camamile Fed Com #224H - 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		
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
Simon Camamile Fed Com - Simon Camamile Fed Com #224H - 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		
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

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 #224H - 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	15,456.7	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

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												Simon Camamile Fed Com - Simon Camamile Fed Com #224H - Wellbore #1 - BLM Plan #1		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

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 #225H - 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		
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

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													Simon Camamile Fed Com - Simon Camamile Fed Com #225H - Wellbore #1 - BLM Plan #1		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

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 #225H - 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			
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

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 #225H - 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		
14,100.0	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

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 #225H - 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	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		

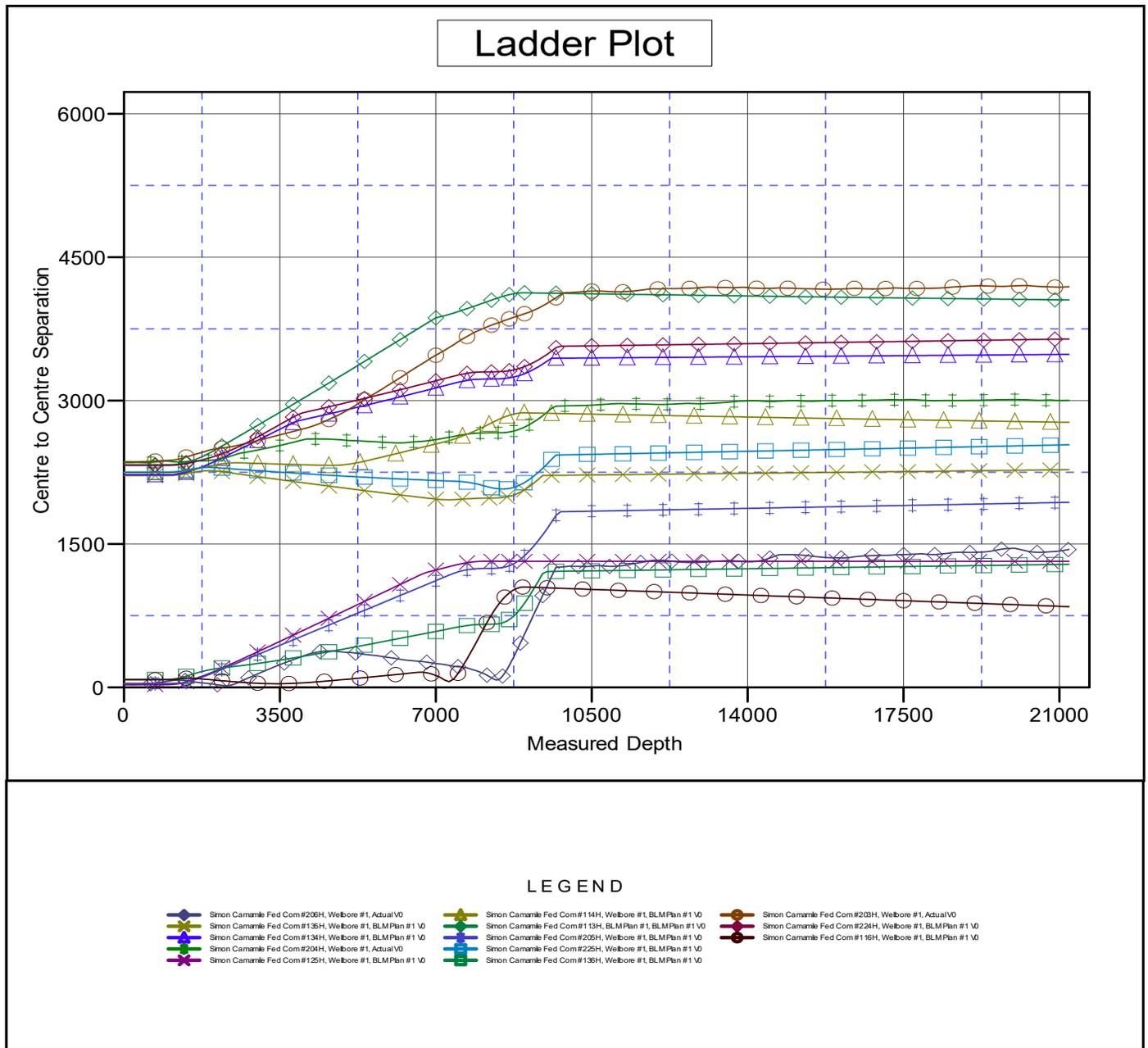
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

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°



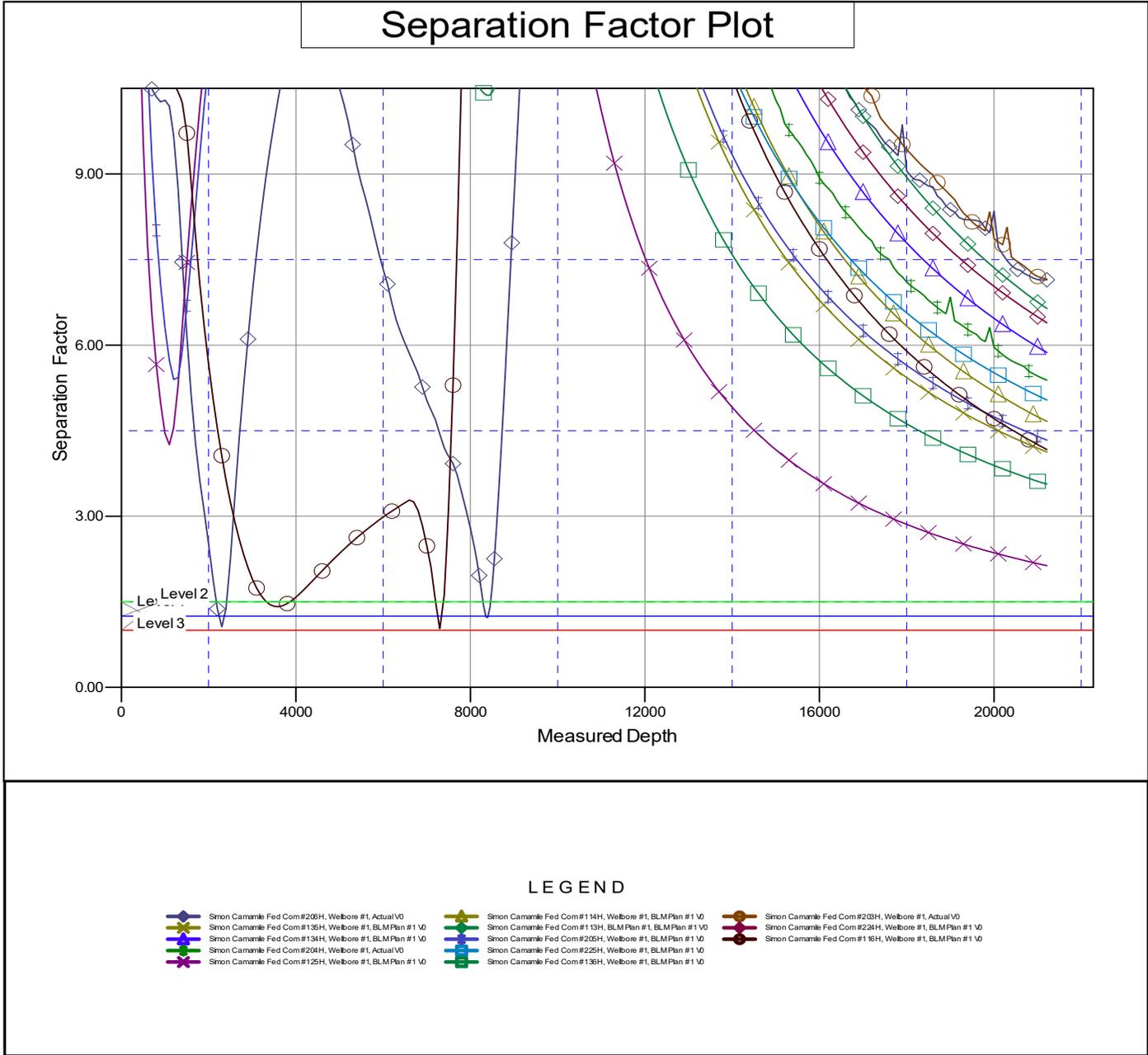
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

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



SURVEY PROGRAM

WELL DETAILS: Simon Camamile Fed Com #126H

Depth From	Depth To	Survey/Plan	Tool	+N/-S	+E/-W	Northing	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

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

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

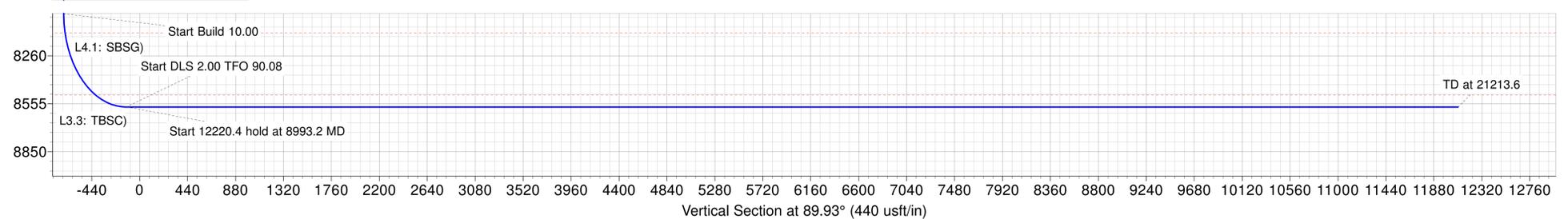
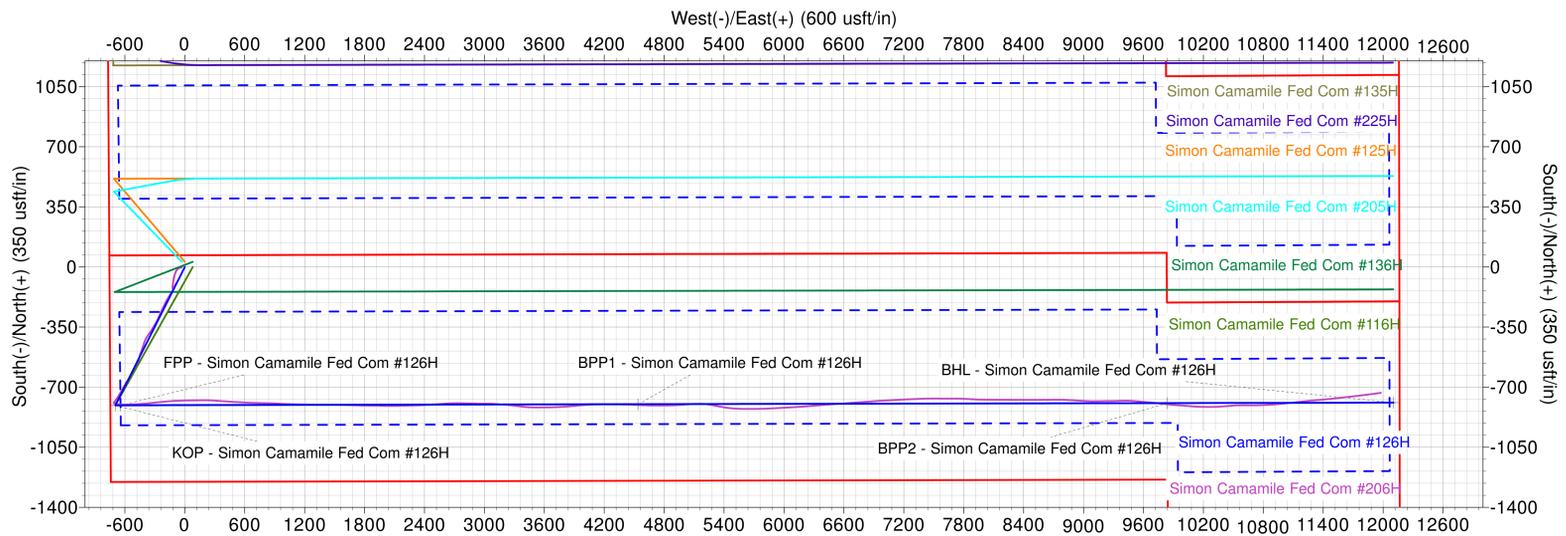
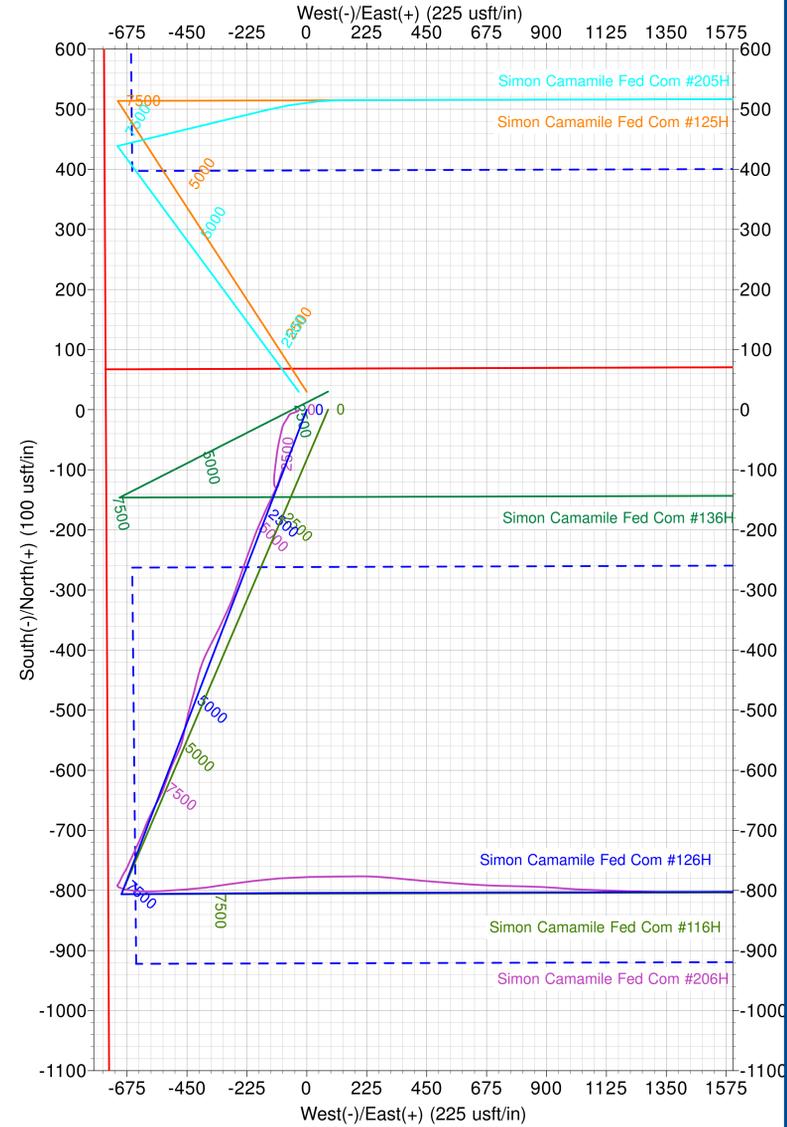
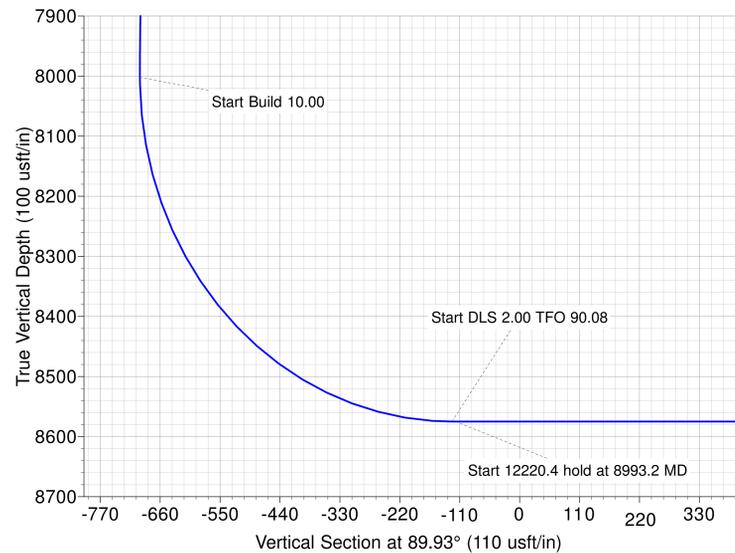
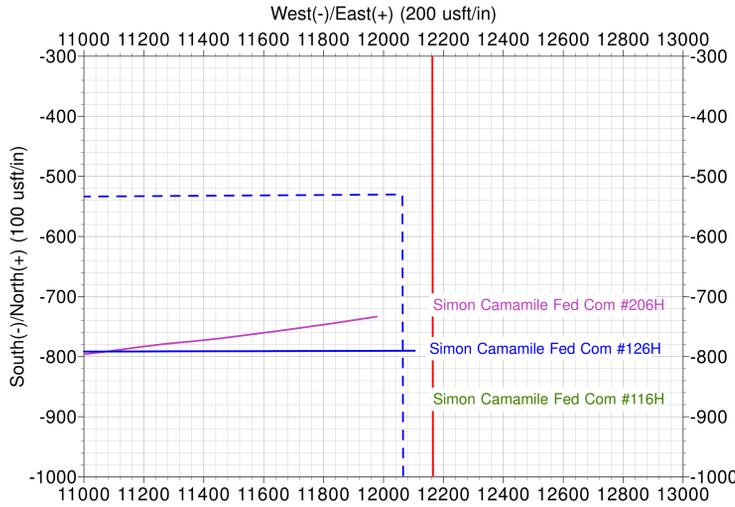
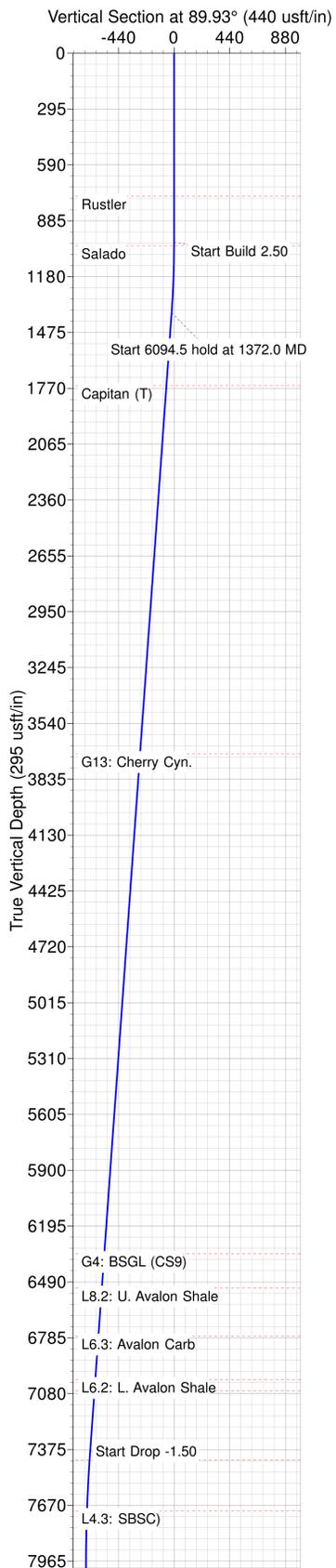
To convert a Magnetic Direction to a Grid Direction, Add 6.56°
 To convert a Magnetic Direction to a True Direction, Add 6.71° East
 To convert a True Direction to a Grid Direction, Subtract 0.15°



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

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
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



South(-)/North(+) (100 usft/in)

South(-)/North(+) (350 usft/in)

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

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		

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

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		

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	
G4: BSGI (CS9)										
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	
L8.2: U. Avalon Shale										
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	
L6.3: Avalon Carb										
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	
L6.2: L. Avalon Shale										
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	
L5.3: FBSC)										
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	
Start Drop -1.50										
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	
L5.1: FBSC)										
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	
L4.3: SBSC)										
7,800.0	4.30	220.81	7,715.8	-798.1	-689.2	-690.2	1.50	-1.50	0.00	

Planning Report

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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		

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

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		

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
BPP1 - Simon Camamile Fed Com #126H									
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

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		

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	
BPP2 - Simon Camamile Fed Com #126H										
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	
TD at 21213.6 - BHL - Simon Camamile Fed Com #126H										

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 - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
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 (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
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: BSG (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: SBSC)				
8,691.1	8,499.5	L3.3: TBSC)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
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

¹ API Number 30-025-		² Pool Code		³ Pool Name					
⁴ Property Code		⁵ Property Name SIMON CAMAMILE 0206 FED COM				⁶ Well Number 126H			
⁷ OGRID No. 7377		⁸ Operator Name MATADOR PRODUCTION COMPANY				⁹ Elevation 3347'			
¹⁰ 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
¹¹ 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
¹² Dedicated Acres 390.32		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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

**NEW MEXICO EAST
NAD 1983**

<u>SURFACE LOCATION (SHL)</u>	<u>FIRST PERFORATION POINT (FPP)</u>	<u>BLM PERF. POINT (BPP1)</u>	<u>BLM PERF. POINT (BPP2)</u>
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 104.0486083	445' FSL - SEC. 1 0' FEL - SEC. 1 X=634415 Y=546938 LAT.: N 32.5032318 LONG.: W 104.0314125
<u>LAST PERFORATION POINT (LPP)</u>	<u>BOTTOM HOLE LOCATION (BHL)</u>		
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		

**¹⁷OPERATOR
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.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

**¹⁸SURVEYOR
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

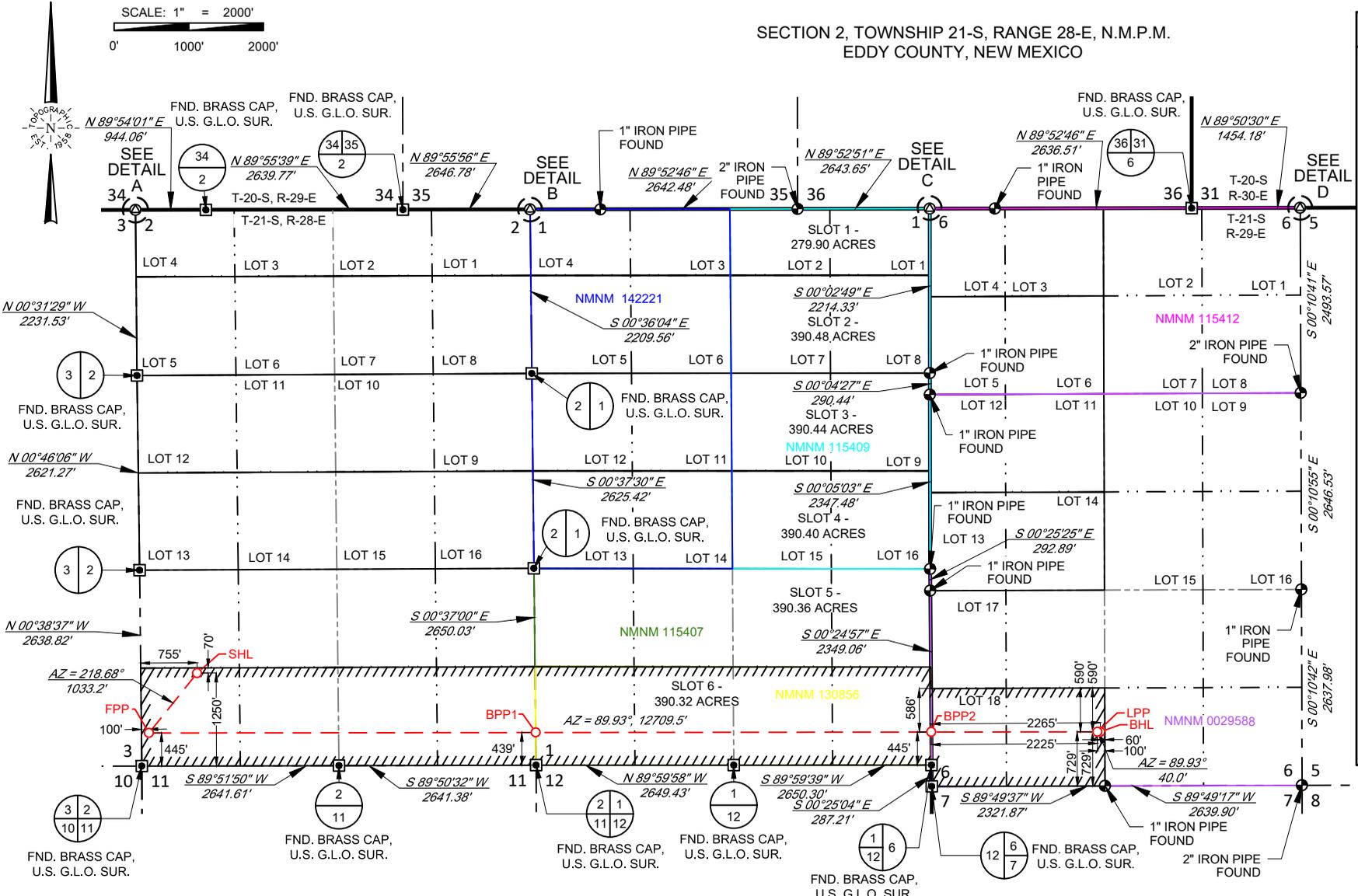
Date of Survey
Signature and Seal of Professional Surveyor

Certificate Number _____

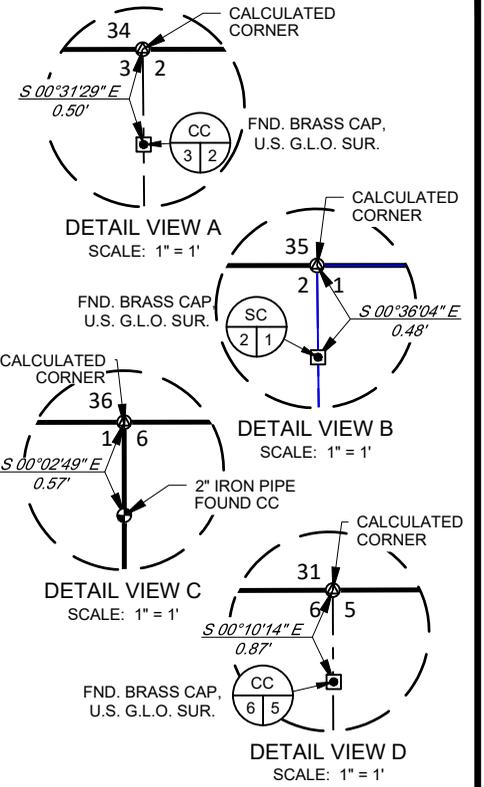
**NEW MEXICO EAST
NAD 1927**

<u>SURFACE LOCATION (SHL)</u>	<u>FIRST PERFORATION POINT (FPP)</u>
X=583395 Y=547670 LAT.: N 32.5053642 LONG.: W 104.0628184	X=582749 Y=546864 LAT.: N 32.5031522 LONG.: W 104.0649197
<u>BLM PERF. POINT (BPP1)</u>	<u>BLM PERF. POINT (BPP2)</u>
X=587933 Y=546870 LAT.: N 32.5031334 LONG.: W 104.0481070	X=582334 Y=546877 LAT.: N 32.5031120 LONG.: W 104.0309117
<u>LAST PERFORATION POINT (LPP)</u>	<u>BOTTOM HOLE LOCATION (BHL)</u>
X=595459 Y=546880 LAT.: N 32.5031023 LONG.: W 104.0236946	X=595498 Y=546880 LAT.: N 32.5031021 LONG.: W 104.0235648

SECTION 2, TOWNSHIP 21-S, RANGE 28-E, N.M.P.M. EDDY COUNTY, NEW MEXICO



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



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.



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

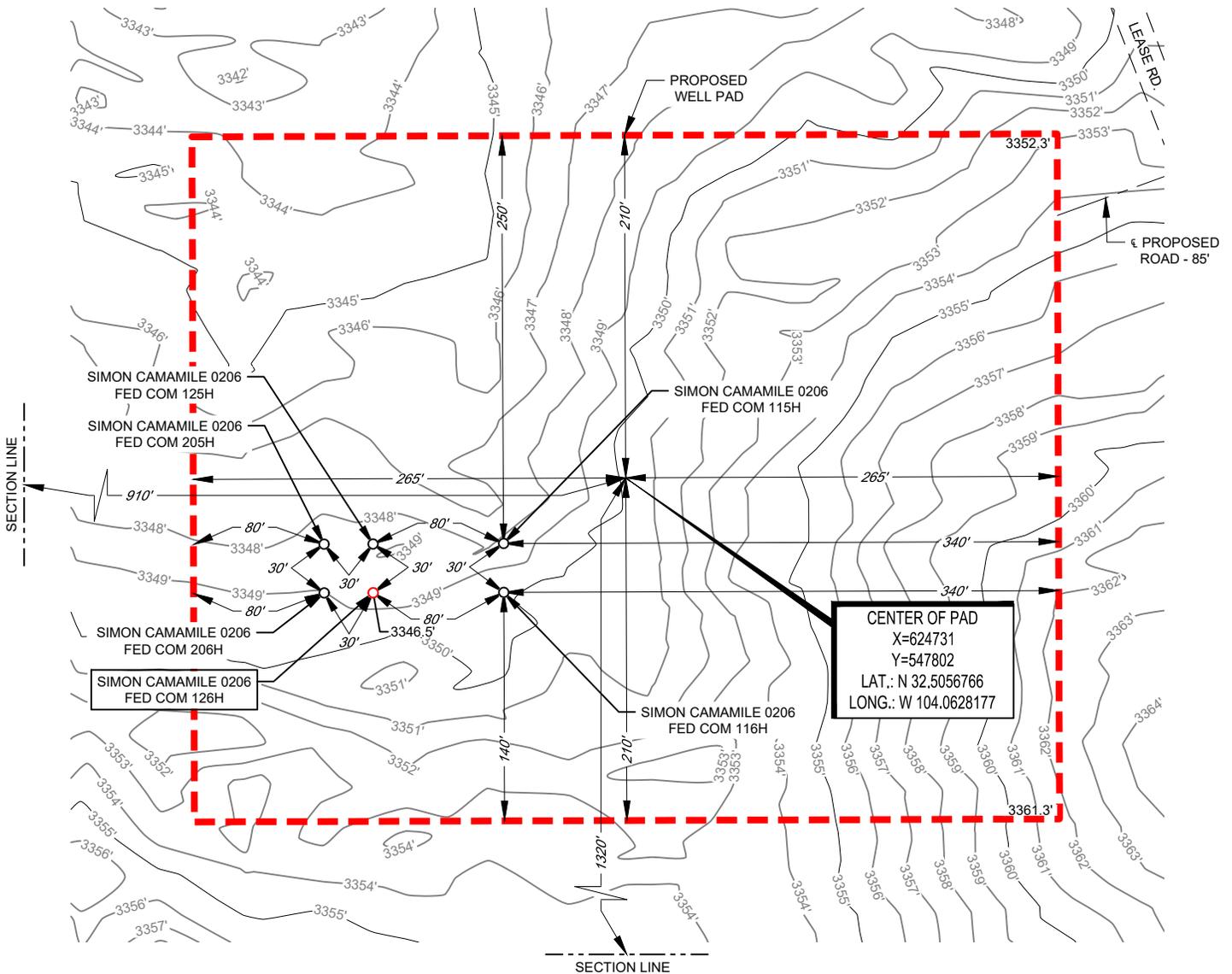


LEGEND

- 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'



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



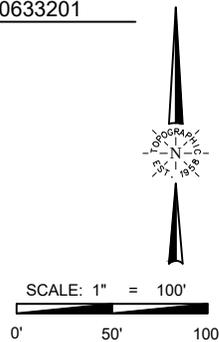
Angel M. Baeza, P.S. No. 25116

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"



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

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
KOP	8,086	8,002	-	Carbonate	Oil/Natural Gas
2nd Bone Spring Sand	8,205	8,118	-	Sandstone	Oil/Natural Gas
TD	21,213	8,575	-	Sandstone	Oil/Natural Gas

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.

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% CaCL2 + 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% CaCL2 + 8% NaCl + LCM
	Tail	2110	1.35	2843	13.2	25%	8086	A/C	Fluid Loss + Dispersant + Retarder

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. (include area code)

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)

11. Country or Parish, State

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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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"/> 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 recompleation 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 | T: (505) 954-7286 | M: (337) 280-9055



CONFIDENTIALITY NOTICE: This message is confidential and may be privileged. If you believe that this email has been sent to you in error, please reply to the sender that you received the message in error; then please delete this email.

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	

		9 10 11 12	1-21S-28E	
		13 14 15 16		
30-015-54366	Simon Camamile 0206	9 10 11 12	2-21S-28E	98315
	Federal Com #204H	13 14 15 16		
		11 12 13 14	6-21S-29E	

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>
Sent: Friday, May 31, 2024 3:36 PM
To: McClure, Dean, EMNRD <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 | 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 1:46 PM
To: Paula M. Vance <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	
	N/2 S/2	2-21S-28E	97995
	N/2 SW/4	6-21S-29E	
Simon Camamile 0206 Federal Com #126H	S/2 S/2	1-21S-28E	
	S/2 S/2	2-21S-28E	97995
	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>
Sent: Friday, May 31, 2024 11:14 AM
To: McClure, Dean, EMNRD <Dean.McClure@emnrn.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 | 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**



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	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		
<hr/>		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	
		<hr/>		
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	
		<hr/>		

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	1-21S-28E		
	9 10 11 12	2-21S-28E		
	13 14 15 16	2-21S-28E		
	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