

|                            |                                                       |                                      |
|----------------------------|-------------------------------------------------------|--------------------------------------|
| Well Name: GAVILON FED COM | Well Location: T20S / R33E / SEC 33 / SESW /          | County or Parish/State:              |
| Well Number: 306H          | Type of Well: OIL WELL                                | Allottee or Tribe Name:              |
| Lease Number: NMNM57683    | Unit or CA Name:                                      | Unit or CA Number:                   |
| US Well Number: 3002548629 | Well Status: Approved Application for Permit to Drill | Operator: MATADOR PRODUCTION COMPANY |

Notice of Intent

Sundry ID: 2664876

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: APD Change   |
| Date Sundry Submitted: 04/05/2022              | Time Sundry Submitted: 03:11 |
| Date proposed operation will begin: 08/01/2022 |                              |

**Procedure Description:** BLM Bond No. NMB001079 Surety Bond No. RLB0015172 Matador respectfully requests the option to make the following changes to the Gavilon Fed Com 306H: • Upsize Well and Casing Design. Details can be found in the attached Drill Plan with updated casing, cement and drilling fluid information. Casing specification sheets for the 7” x 5-1/2” production casing is attached as well as the Casing Design Assumption Worksheet for the updated design. • SHL change from 355’ FSL and 2076’ FWL to 265’ FSL and 2001’ FWL. The new SHL remains on the existing drill pad. • BHL change from 50’ FNL and 2310’ FWL to 100’ FNL and 660’ FWL. Updated Directional Plot attached.

NOI Attachments

Procedure Description

- Gavilon\_306H\_Drill\_Plan\_\_\_Casing\_Cement\_Mud\_Sundry\_20220331201443.pdf
- Gavilon\_Fed\_Com\_306H\_\_Plan\_1\_\_Plot\_20220331201248.pdf
- Gavilon\_Fed\_Com\_306H\_\_Plan\_1\_\_20220331201248.pdf
- Gavilon\_Fed\_Com\_306H\_\_Plan\_1\_\_AC\_Report\_20220331201239.pdf
- Casing\_Specs\_5.5in\_20lb\_Hunting\_TLW\_SC\_20220331201238.pdf
- Casing\_Specs\_7.0\_29\_P110EC\_DWC\_C\_\_20220331201238.pdf
- BLM\_Casing\_Design\_Assumptions\_4\_string\_20220331201238.pdf
- 2022030493\_MATADOR\_GAVILON\_306H\_LEA\_C102\_\_FINAL\_03\_25\_2022\_20220331201238.pdf

|                            |                                                       |                                      |
|----------------------------|-------------------------------------------------------|--------------------------------------|
| Well Name: GAVILON FED COM | Well Location: T20S / R33E / SEC 33 / SESW /          | County or Parish/State:              |
| Well Number: 306H          | Type of Well: OIL WELL                                | Allottee or Tribe Name:              |
| Lease Number: NMNM57683    | Unit or CA Name:                                      | Unit or CA Number:                   |
| US Well Number: 3002548629 | Well Status: Approved Application for Permit to Drill | Operator: MATADOR PRODUCTION COMPANY |

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| Operator Electronic Signature: NICKY FITZGERALD      | Signed on: MAR 31, 2022 08:13 PM |
| Name: MATADOR PRODUCTION COMPANY                     |                                  |
| Title: Regulatory                                    |                                  |
| Street Address: 5400 LBJ FREEWAY STE 1500            |                                  |
| City: DALLAS                                         | State: TX                        |
| Phone: (972) 371-5448                                |                                  |
| Email address: nicky.fitzgerald@matadorresources.com |                                  |

Field

|                      |        |      |
|----------------------|--------|------|
| Representative Name: |        |      |
| Street Address:      |        |      |
| City:                | State: | Zip: |
| Phone:               |        |      |
| Email address:       |        |      |

BLM Point of Contact

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| BLM POC Name: CODY LAYTON | BLM POC Title: Assistant Field Manager Lands & Minerals |
| BLM POC Phone: 5752345959 | BLM POC Email Address: clayton@blm.gov                  |
| Disposition: Approved     | Disposition Date: 06/16/2022                            |
| Signature: Cody R. Layton |                                                         |

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

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

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                         |                                                 |
|-----------------------------------------|---------------------------------------------------------|-------------------------------------------------|
| <sup>1</sup> API Number<br>30-025 48629 | <sup>2</sup> Pool Code<br>30213                         | <sup>3</sup> Pool Name<br>HAT MESA; BONE SPRING |
| <sup>4</sup> Property Code<br>332434    | <sup>5</sup> Property Name<br>GAVILON FED COM           | <sup>6</sup> Well Number<br>306H                |
| <sup>7</sup> OGRID No.<br>228937        | <sup>8</sup> Operator Name<br>MATADOR PRODUCTON COMPANY | <sup>9</sup> Elevation<br>3,667'                |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 33      | 20 S     | 33 E  |         | 265           | SOUTH            | 2,001         | WEST           | LEA    |

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

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 20 S     | 33 E  |         | 100           | NORTH            | 660           | WEST           | LEA    |

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

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

<sup>16</sup>

**CORNER COORDINATES (NAD83 NME)**

|                        |                        |
|------------------------|------------------------|
| SHL (NAD83 NME)        | LTP (NAD83 NME)        |
| Y = 554,661.8          | Y = 564,851.1          |
| X = 745,685.7          | X = 744,277.0          |
| LAT. = 32.523077 °N    | LAT. = 32.551107 °N    |
| LONG. = 103.670335 °W  | LONG. = 103.674701 °W  |
| <b>FTP (NAD83 NME)</b> | <b>BHL (NAD83 NME)</b> |
| Y = 554,489.3          | Y = 564,851.1          |
| X = 744,346.2          | X = 744,277.0          |
| LAT. = 32.522626 °N    | LAT. = 32.551107 °N    |
| LONG. = 103.674684 °W  | LONG. = 103.674701 °W  |

**CORNER COORDINATES (NAD83 NME)**

|                     |                 |
|---------------------|-----------------|
| A - Y = 564,948.1 N | X = 743,616.3 E |
| B - Y = 562,307.0 N | X = 743,634.1 E |
| C - Y = 559,665.9 N | X = 743,652.0 E |
| D - Y = 557,026.4 N | X = 743,669.6 E |
| E - Y = 554,385.5 N | X = 743,686.9 E |
| F - Y = 564,954.1 N | X = 744,938.9 E |
| G - Y = 562,313.8 N | X = 744,956.5 E |
| H - Y = 559,673.1 N | X = 744,974.2 E |
| I - Y = 557,033.7 N | X = 744,991.7 E |
| J - Y = 554,393.0 N | X = 745,009.1 E |

**CORNER COORDINATES (NAD27 NME)**

|                        |                        |
|------------------------|------------------------|
| SHL (NAD27 NME)        | LTP (NAD27 NME)        |
| Y = 554,600.7          | Y = 564,789.8          |
| X = 704,505.0          | X = 703,096.7          |
| LAT. = 32.522957 °N    | LAT. = 32.550987 °N    |
| LONG. = 103.669841 °W  | LONG. = 103.674206 °W  |
| <b>FTP (NAD27 NME)</b> | <b>BHL (NAD27 NME)</b> |
| Y = 554,428.1          | Y = 564,789.8          |
| X = 703,165.5          | X = 703,096.7          |
| LAT. = 32.522505 °N    | LAT. = 32.550987 °N    |
| LONG. = 103.674190 °W  | LONG. = 103.674206 °W  |

**CORNER COORDINATES (NAD27 NME)**

|                     |                 |
|---------------------|-----------------|
| A - Y = 564,886.8 N | X = 702,436.0 E |
| B - Y = 562,245.7 N | X = 702,453.7 E |
| C - Y = 559,604.6 N | X = 702,471.5 E |
| D - Y = 556,965.2 N | X = 702,489.0 E |
| E - Y = 554,324.4 N | X = 702,506.2 E |
| F - Y = 564,892.8 N | X = 703,758.5 E |
| G - Y = 562,252.5 N | X = 703,776.1 E |
| H - Y = 559,611.9 N | X = 703,793.7 E |
| I - Y = 556,972.5 N | X = 703,811.1 E |
| J - Y = 554,331.9 N | X = 703,828.4 E |

**<sup>17</sup> OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Nicky Fitzgerald* 3/31/2022  
Signature Date

Nicky Fitzgerald  
Printed Name

nicky.fitzgerald@matadorresources.com  
E-mail Address

**<sup>18</sup> SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03-25-2022  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number

BK 2022030493

## **Casing Design Criteria and Load Case Assumptions**

### **Surface Casing**

Collapse:  $DF_c=1.125$

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.43 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.52 psi/ft).

Burst:  $DF_b=1.125$

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.43 psi/ft), which is a more conservative backup force than pore pressure.

Tensile:  $DF_t=1.8$

- Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.3 ppg).

### **Intermediate #1 Casing**

Collapse:  $DF_c=1.125$

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst:  $DF_b=1.125$

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile:  $DF_t=1.8$

- Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (10.0 ppg).

### **Intermediate #2 Casing**

Collapse:  $DF_c=1.125$

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.52 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst:  $DF_b=1.125$

- Pressure Test: Casing test per Onshore Oil and Gas Order No. 2 with an external force equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Gas Kick Profile: Internal burst force at the shoe will be Fracture Pressure at that depth. Surface burst pressure will be fracture gradient at setting depth less a gas gradient to equivalent height of 50 bbl kick with Drill Pipe inside casing and mud gradient with which the next hole section will be run above that (0.47 psi/ft). External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft), which is a more conservative backup force than pore pressure.
- Fracture at Shoe with 1/3 BHP at Surface: Internal burst force at the shoe will be Fracture Pressure at setting depth. Internal burst force at surface will be 1/3 of pore pressure at setting depth. External force will be equal to the mud gradient in which the casing will be run (0.52 psi/ft) which is a more conservative backup force than pore pressure.

Tensile:  $DF_t=1.8$

- Overpull: A downward force of 100,000 lbs is applied at the shoe along with the weight of the casing string utilizing the effects of buoyancy (8.4 ppg).

## Production Casing

Collapse:  $DF_c=1.125$

- Full Internal Evacuation: Collapse force equal to the mud gradient in which the casing will be run (0.47 psi/ft). The effects of axial load on collapse will be considered.
- Cementing: Collapse force equal to the gradient of planned cement slurries to planned depths and mud gradient in which the casing will be run above that (0.47 psi/ft) and an internal force equal to mud gradient of displacement fluid (0.43 psi/ft).

Burst:  $DF_b=1.125$

- Pressure Test: 8000 psi casing test with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.
- Injection Down Casing: 9500 psi surface injection pressure plus an internal pressure gradient of 0.65 psi/ft with an external force equal to the mud gradient in which the casing will be run (0.47 psi/ft), which is a more conservative backup force than pore pressure.

Tensile:  $DF_t=1.8$

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

### Technical Specifications

| Connection Type:                | Size(O.D.): | Weight (Wall):         | Grade:      |
|---------------------------------|-------------|------------------------|-------------|
| DWC/C Casing                    | 7 in        | 29.00 lb/ft (0.408 in) | VMS P110 EC |
| 2012 API Spec 5CT Coupling O.D. |             |                        |             |

| VMS P110 EC | Material                        |
|-------------|---------------------------------|
|             | Grade                           |
| 125,000     | Minimum Yield Strength (psi)    |
| 135,000     | Minimum Ultimate Strength (psi) |

|       | Pipe Dimensions                |
|-------|--------------------------------|
| 7.000 | Nominal Pipe Body O.D. (in)    |
| 6.184 | Nominal Pipe Body I.D.(in)     |
| 0.408 | Nominal Wall Thickness (in)    |
| 29.00 | Nominal Weight (lbs/ft)        |
| 28.75 | Plain End Weight (lbs/ft)      |
| 8.449 | Nominal Pipe Body Area (sq in) |

|           | Pipe Body Performance Properties       |
|-----------|----------------------------------------|
| 1,056,000 | Minimum Pipe Body Yield Strength (lbs) |
| 9,580     | Minimum Collapse Pressure (psi)        |
| 12,750    | Minimum Internal Yield Pressure (psi)  |
| 11,700    | Hydrostatic Test Pressure (psi)        |

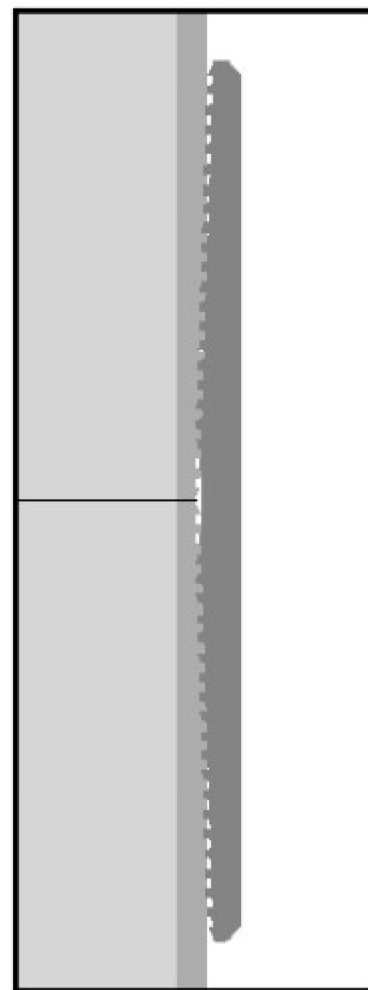
|       | Connection Dimensions          |
|-------|--------------------------------|
| 7.875 | Connection O.D. (in)           |
| 6.184 | Connection I.D. (in)           |
| 6.125 | Connection Drift Diameter (in) |
| 4.50  | Make-up Loss (in)              |
| 8.449 | Critical Area (sq in)          |
| 100.0 | Joint Efficiency (%)           |

|           | Connection Performance Properties              |
|-----------|------------------------------------------------|
| 1,056,000 | Joint Strength (lbs)                           |
| 26,010    | Reference String Length (ft) 1.4 Design Factor |
| 1,045,000 | API Joint Strength (lbs)                       |
| 528,000   | Compression Rating (lbs)                       |
| 9,580     | API Collapse Pressure Rating (psi)             |
| 12,750    | API Internal Pressure Resistance (psi)         |
| 40.9      | Maximum Uniaxial Bend Rating [degrees/100 ft]  |

|        | Appoximated Field End Torque Values |
|--------|-------------------------------------|
| 26,800 | Minimum Final Torque (ft-lbs)       |
| 31,300 | Maximum Final Torque (ft-lbs)       |
| 35,800 | Connection Yield Torque (ft-lbs)    |



VAM-USA  
4424 W. Sam Houston Pkwy. Suite 150  
Houston, TX 77041  
Phone: 713-479-3200  
Fax: 713-479-3234  
E-mail: [VAMUSAsales@na.vallourec.com](mailto:VAMUSAsales@na.vallourec.com)



For detailed information on performance properties, refer to DWC Connection Data Notes on following page(s).

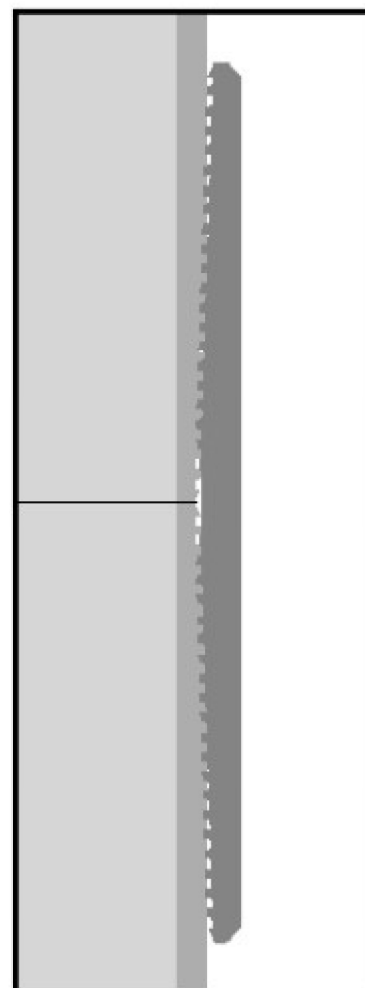
Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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**DWC Connection Data Notes:**

1. DWC connections are available with a seal ring (SR) option.
2. All standard DWC/C connections are interchangeable for a give pipe OD. DWC connections are interchangeable with DWC/C-SR connections of the same OD and wall.
3. Connection performance properties are based on nominal pipe body and connection dimensions.
4. DWC connection internal and external pressure resistance is calculated using the API rating for buttress connections. API Internal pressure resistance is calculated from formulas 31, 32, and 35 in the API Bulletin 5C3.
5. DWC joint strength is the minimum pipe body yield strength multiplied by the connection critical area.
6. API joint strength is for reference only. It is calculated from formulas 42 and 43 in the API Bulletin 5C3.
7. Bending efficiency is equal to the compression efficiency.
8. The torque values listed are recommended. The actual torque required may be affected by field conditions such as temperature, thread compound, speed of make-up, weather conditions, etc.
9. Connection yield torque is not to be exceeded.
10. Reference string length is calculated by dividing the joint strength by both the nominal weight in air and a design factor (DF) of 1.4. These values are offered for reference only and do not include load factors such as bending, buoyancy, temperature, load dynamics, etc.
11. DWC connections will accommodate API standard drift diameters.



Connection specifications within the control of VAM-USA were correct as of the date printed. Specifications are subject to change without notice. Certain connection specifications are dependent on the mechanical properties of the pipe. Mechanical properties of mill proprietary pipe grades were obtained from mill publications and are subject to change. Properties of mill proprietary grades should be confirmed with the mill. Users are advised to obtain current connection specifications and verify pipe mechanical properties for each application.

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# TEC-LOCK WEDGE

5.500" 20 LB/FT (.361"Wall) with 5.875" SPECIAL CLEARANCE OD  
BEN P110 CY

## Pipe Body Data

|                         |         |       |
|-------------------------|---------|-------|
| Nominal OD:             | 5.500   | in    |
| Nominal Wall:           | .361    | in    |
| Nominal Weight:         | 20.00   | lb/ft |
| Plain End Weight:       | 19.83   | lb/ft |
| Material Grade:         | P110 CY |       |
| Mill/Specification:     | BEN     |       |
| Yield Strength:         | 125,000 | psi   |
| Tensile Strength:       | 135,000 | psi   |
| Nominal ID:             | 4.778   | in    |
| API Drift Diameter:     | 4.653   | in    |
| Special Drift Diameter: | None    | in    |
| RBW:                    | 87.5 %  |       |
| Body Yield:             | 729,000 | lbf   |
| Burst:                  | 14,360  | psi   |
| Collapse:               | 13,010  | psi   |

## Connection Data

|                              |         |                 |
|------------------------------|---------|-----------------|
| Standard OD:                 | 5.875   | in              |
| Pin Bored ID:                | 4.778   | in              |
| Critical Section Area:       | 5.656   | in <sup>2</sup> |
| Tensile Efficiency:          | 97 %    |                 |
| Compressive Efficiency:      | 100 %   |                 |
| Longitudinal Yield Strength: | 707,000 | lbf             |
| Compressive Limit:           | 729,000 | lbf             |
| Internal Pressure Rating:    | 14,360  | psi             |
| External Pressure Rating:    | 13,010  | psi             |
| Maximum Bend:                | 101.2   | °/100ft         |

## Operational Data

|                        |        |        |
|------------------------|--------|--------|
| Minimum Makeup Torque: | 15,000 | ft*lbf |
| Optimum Makeup Torque: | 18,700 | ft*lbf |
| Maximum Makeup Torque: | 41,200 | ft*lbf |
| Minimum Yield:         | 45,800 | ft*lbf |
| Makeup Loss:           | 5.97   | in     |

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

Generated on Sep 03, 2019





**Drill Plan****Gavilon Fed Com #306H**

- Matador respectfully requests the option to amend the well design of the Gavilon Fed Com #306H to make the following changes to the current APD.

**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 - 1487     | 0 - 1487     | 20               | 94          | J-55  | BUTT        | 1.125    | 1.125 | 1.8     |
| Intermediate 1    | 17.5           | 0 - 3295     | 0 - 3295     | 13.375           | 54.5        | J-55  | BUTT        | 1.125    | 1.125 | 1.8     |
| Intermediate 2    | 12.25          | 0 - 4970     | 0 - 4970     | 9.625            | 40          | J-55  | BUTT        | 1.125    | 1.125 | 1.8     |
| Production Top    | 8.75           | 0 - 9134     | 0 - 8990     | 7                | 29          | P-110 | VAM DWC/C   | 1.125    | 1.125 | 1.8     |
| Production Bottom | 8.75           | 9134 - 19797 | 8990 - 9570  | 5.5              | 20          | P-110 | Hunting TLW | 1.125    | 1.125 | 1.8     |

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h

- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed

- All non-API joint connections will be of like or greater quality and as run specification sheets will be on location for review

- Request option to run a full 5.5" production string, cement volumes will be adjusted accordingly.

- Request option to drill 8.5" hole throughout 5.5" production casing section. 7" casing will not be ran in 8.5" hole.

| String         | Type | Sacks | Yield | Cu. Ft. | Weight | Percent Excess | Top of Cement | Class | Blend                                    |
|----------------|------|-------|-------|---------|--------|----------------|---------------|-------|------------------------------------------|
| Surface        | Tail | 3480  | 1.35  | 4697    | 14.8   | 100%           | 0             | C     | 5% NaCl + LCM                            |
| Intermediate 1 | Lead | 1950  | 1.78  | 3470    | 13.5   | 50%            | 0             | C     | 5% NaCl + LCM                            |
|                | Tail | 530   | 1.35  | 721     | 14.8   | 50%            | 2636          | C     | 5% NaCl + LCM                            |
| Intermediate 2 | Lead | 1190  | 1.78  | 2113    | 13.5   | 50%            | 0             | C     | Bentonite + 1% CaCL2 + 8% NaCl + LCM     |
|                | Tail | 370   | 1.35  | 501     | 14.8   | 50%            | 3976          | C     | 5% NaCl + LCM                            |
| Production     | Lead | 250   | 3.66  | 899     | 10.3   | 25%            | 3762          | A/C   | Fluid Loss + Dispersant + Retarder + LCM |
|                | Tail | 2350  | 1.35  | 3177    | 13.2   | 15%            | 8734          | A/C   | Fluid Loss + Dispersant + Retarder + LCM |

Matador requests the option to run a DV tool with annular packer as contingency in the intermediate 1 or 2 section on 13-3/8" or 9-5/8" casing if lost circulation is encountered. If losses occur, the DV tool with packer will be placed at least 100' above the loss zone to give the option to pump cement as either a single stage or two stage.

**Drill Plan****Mud Program**

An electronic Pason mud monitoring system complying with Onshore Order #2 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

| Hole Section   | Hole Size (in) | Mud Type      | Interval MD (ft) | Density (lb/gal) | Viscosity | Fluid Loss |
|----------------|----------------|---------------|------------------|------------------|-----------|------------|
| Surface        | 26             | Spud Mud      | 0 - 1487         | 8.4 - 8.8        | 28-30     | NC         |
| Intermediate 1 | 17.5           | Brine Water   | 1487 - 3295      | 9.5 - 10.2       | 28-32     | NC         |
| Intermediate 2 | 12.25          | Fresh Water   | 3295 - 4970      | 8.4 - 8.6        | 28-30     | NC         |
| Production     | 8.75           | OBM/Cut Brine | 4970 - 19797     | 8.6 - 9.4        | 28-30     | NC         |



## **Matador Resources**

**Lea County, NM (NAD27)**

**Gavilon Fed Com Pads (Grid)**

**Gavilon Fed Com 306H**

**Wellbore #1**

**Plan 1**

## **Anticollision Report**

**28 March, 2022**





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference                    | Plan 1                                                              |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | MD + Stations Interval 100.00usft                                   | Error Model:   | ISCWSA              |
| Depth Range:                 | 0.00 to 19,796.75usft                                               | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Max. Cent. Dist. of 500.00usft or Max. SF of 10                     | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

| Survey Tool Program |           | Date                 | 3/25/2022 |                        |  |
|---------------------|-----------|----------------------|-----------|------------------------|--|
| From (usft)         | To (usft) | Survey (Wellbore)    | Tool Name | Description            |  |
| 0.00                | 19,796.28 | Plan 1 (Wellbore #1) | MWD+IGRF  | OWSG MWD + IGRF or WMM |  |

| Summary                                            |                                 |                              |                                 |                                  |                   |                               |
|----------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|-------------------------------|
| Site Name                                          | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning                       |
| Offset Well - Wellbore - Design                    |                                 |                              |                                 |                                  |                   |                               |
| Gavilon Fed Com Pads (Grid)                        |                                 |                              |                                 |                                  |                   |                               |
| Galivan Federal 001 - Wellbore #1 - Actual         | 11,316.33                       | 9,528.33                     | 0.35                            | -287.64                          | 0.001             | No-Go Zone - Stop Drilling, C |
| Gavilon Fed Com 305H - Wellbore #1 - Plan 1        | 1,416.33                        | 1,417.33                     | 85.43                           | 76.32                            | 9.381             | CC                            |
| Gavilon Fed Com 305H - Wellbore #1 - Plan 1        | 1,500.00                        | 1,500.99                     | 85.43                           | 76.03                            | 9.085             | ES                            |
| Gavilon Fed Com 305H - Wellbore #1 - Plan 1        | 19,796.75                       | 19,785.67                    | 1,319.91                        | 924.16                           | 3.335             | SF                            |
| Gavilon Fed Com 403H - Wellbore #1 - Plan 1        | 19,714.34                       | 19,718.16                    | 2,650.33                        | 2,258.76                         | 6.768             | CC                            |
| Gavilon Fed Com 403H - Wellbore #1 - Plan 1        | 19,796.75                       | 19,795.49                    | 2,650.34                        | 2,255.91                         | 6.720             | ES, SF                        |
| Gavilon Fed Com 501H - Wellbore #1 - Plan 1        | 17,500.00                       | 18,401.07                    | 2,797.04                        | 2,496.54                         | 9.308             | CC                            |
| Gavilon Fed Com 501H - Wellbore #1 - Plan 1        | 19,796.75                       | 20,692.74                    | 2,797.05                        | 2,413.88                         | 7.300             | ES, SF                        |
| Gavilon Fed Com 505H - Wellbore #1 - Plan 1        | 1,500.00                        | 1,500.00                     | 30.00                           | 20.60                            | 3.191             | CC, ES                        |
| Gavilon Fed Com 505H - Wellbore #1 - Plan 1        | 1,600.00                        | 1,600.26                     | 30.43                           | 20.77                            | 3.149             | SF                            |
| Gavilon Fed Com 602H - Wellbore #1 - Actual        | 7,336.36                        | 7,220.76                     | 85.71                           | 45.94                            | 2.155             | CC, ES, SF                    |
| Gavilon Fed Com 603H - Wellbore #1 - Plan 1        | 1,415.99                        | 1,417.99                     | 110.01                          | 100.90                           | 12.079            | CC                            |
| Gavilon Fed Com 603H - Wellbore #1 - Plan 1        | 1,500.00                        | 1,501.96                     | 110.01                          | 100.60                           | 11.696            | ES                            |
| Gavilon Fed Com 603H - Wellbore #1 - Plan 1        | 19,796.75                       | 21,610.61                    | 2,254.72                        | 1,974.29                         | 8.040             | SF                            |
| Gavilon Fed Com 604H - Wellbore #1 - Plan 1        | 17,800.00                       | 19,477.46                    | 2,849.37                        | 2,563.24                         | 9.958             | CC                            |
| Gavilon Fed Com 604H - Wellbore #1 - Plan 1        | 19,796.75                       | 21,470.20                    | 2,849.49                        | 2,499.95                         | 8.152             | ES, SF                        |
| Gavilon Fed Com 704H - Wellbore #1 - Actual        | 6,586.76                        | 6,431.00                     | 275.50                          | 236.14                           | 6.999             | CC, ES, SF                    |
| Gavilon Fed Com 704H - Wellbore #1 - Plan 4        | 8,656.12                        | 8,523.89                     | 124.83                          | 79.77                            | 2.770             | CC                            |
| Gavilon Fed Com 704H - Wellbore #1 - Plan 4        | 8,700.00                        | 8,567.68                     | 124.89                          | 79.65                            | 2.760             | ES                            |
| Gavilon Fed Com 704H - Wellbore #1 - Plan 4        | 8,800.00                        | 8,667.35                     | 125.66                          | 79.96                            | 2.749             | SF                            |
| Gavilon Fed Com 706H - Wellbore #1 - Plan 1        | 2,984.55                        | 2,983.86                     | 74.28                           | 59.16                            | 4.911             | CC                            |
| Gavilon Fed Com 706H - Wellbore #1 - Plan 1        | 9,375.00                        | 9,349.40                     | 128.50                          | 57.03                            | 1.798             | Collision Risk Procedures R   |
| Gavilon Fed Com 708H - Wellbore #1 - Plan 1        | 19,796.75                       | 21,655.68                    | 3,514.71                        | 3,161.28                         | 9.945             | CC, ES, SF                    |
| Tomahawk 28 Federal Com 001 - Wellbore #1 - Actual | 18,243.98                       | 9,475.45                     | 1,320.07                        | 961.26                           | 3.679             | CC, ES, SF                    |

|                              |                                                                          |                              |                              |                               |                      |                              |                     |                     |                               |                                |                                  |                          |                           |            |
|------------------------------|--------------------------------------------------------------------------|------------------------------|------------------------------|-------------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|---------------------------|------------|
| <b>Offset Design:</b>        | Gavilon Fed Com Pads (Grid) - Galivan Federal 001 - Wellbore #1 - Actual |                              |                              |                               |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> | 0.00 usft  |
| <b>Survey Program:</b>       | 305-INC-ONLY                                                             |                              |                              |                               |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> | 15.00 usft |
| <b>Reference</b>             | <b>Offset</b>                                                            | <b>Semi Major Axis</b>       |                              | <b>Offset Wellbore Centre</b> |                      | <b>Rule Assigned:</b>        |                     | <b>Distance</b>     |                               | <b>Minimum Separation</b>      | <b>Separation Factor</b>         | <b>Warning</b>           |                           |            |
| <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b>                                             | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b>       | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                           |            |
| 6,500.00                     | 6,401.19                                                                 | 6,373.45                     | 6,371.06                     | 24.63                         | 163.30               | 81.40                        | 1,708.37            | -1,351.71           | 1,820.35                      | 1,635.79                       | 184.56                           | 9.863                    |                           |            |
| 6,600.00                     | 6,498.82                                                                 | 6,481.16                     | 6,478.74                     | 25.10                         | 166.18               | 82.12                        | 1,707.17            | -1,351.71           | 1,816.05                      | 1,628.22                       | 187.83                           | 9.669                    |                           |            |
| 6,700.00                     | 6,596.44                                                                 | 6,554.00                     | 6,551.44                     | 25.57                         | 168.03               | 82.61                        | 1,707.40            | -1,351.71           | 1,813.14                      | 1,623.03                       | 190.11                           | 9.537                    |                           |            |
| 6,800.00                     | 6,694.07                                                                 | 6,651.63                     | 6,649.07                     | 26.04                         | 170.54               | 83.28                        | 1,707.40            | -1,351.71           | 1,810.41                      | 1,617.39                       | 193.02                           | 9.379                    |                           |            |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Galivan Federal 001 - Wellbore #1 - Actual |                       |                       |                       |                  |                        |                       |              |                |                        |                         |                           |                    | Offset Site Error: | 0.00 usft |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|------------------------|-----------------------|--------------|----------------|------------------------|-------------------------|---------------------------|--------------------|--------------------|-----------|
| Survey Program:                                                                         |                       | 305-INC-ONLY          |                       |                  |                        |                       |              | Rule Assigned: |                        |                         |                           | Offset Well Error: | 15.00 usft         |           |
| Reference                                                                               | Offset                | Semi Major Axis       |                       |                  | Offset Wellbore Centre |                       | Distance     |                |                        |                         | Warning                   |                    |                    |           |
| Measured Depth (usft)                                                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft)          | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)   | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |                    |           |
| 6,900.00                                                                                | 6,791.70              | 6,753.88              | 6,751.29              | 26.51            | 173.17                 | 83.98                 | 1,709.24     | -1,351.71      | 1,809.76               | 1,613.72                | 196.05                    | 9.231              |                    |           |
| 7,000.00                                                                                | 6,889.33              | 6,863.62              | 6,861.02              | 26.98            | 175.98                 | 84.73                 | 1,708.59     | -1,351.71      | 1,806.98               | 1,607.72                | 199.26                    | 9.069              |                    |           |
| 7,100.00                                                                                | 6,986.96              | 6,973.41              | 6,970.78              | 27.46            | 178.80                 | 85.47                 | 1,707.19     | -1,351.71      | 1,803.80               | 1,601.34                | 202.46                    | 8.909              |                    |           |
| 7,200.00                                                                                | 7,084.59              | 7,042.31              | 7,039.59              | 27.93            | 180.33                 | 85.95                 | 1,707.40     | -1,351.71      | 1,802.09               | 1,597.66                | 204.43                    | 8.815              |                    |           |
| 7,300.00                                                                                | 7,182.22              | 7,147.54              | 7,144.81              | 28.40            | 182.71                 | 86.67                 | 1,708.03     | -1,351.71      | 1,801.28               | 1,594.07                | 207.22                    | 8.693              |                    |           |
| 7,400.00                                                                                | 7,279.85              | 7,237.64              | 7,234.85              | 28.88            | 184.75                 | 87.29                 | 1,707.40     | -1,351.71      | 1,799.47               | 1,589.80                | 209.67                    | 8.582              |                    |           |
| 7,500.00                                                                                | 7,377.47              | 7,335.26              | 7,332.47              | 29.35            | 186.90                 | 87.96                 | 1,707.40     | -1,351.71      | 1,798.55               | 1,586.33                | 212.23                    | 8.475              |                    |           |
| 7,600.00                                                                                | 7,475.10              | 7,432.89              | 7,430.10              | 29.83            | 189.05                 | 88.64                 | 1,707.40     | -1,351.71      | 1,797.89               | 1,583.11                | 214.78                    | 8.371              |                    |           |
| 7,647.12                                                                                | 7,521.11              | 7,478.90              | 7,476.11              | 30.05            | 190.06                 | 88.95                 | 1,707.40     | -1,351.71      | 1,797.67               | 1,581.68                | 215.99                    | 8.323              |                    |           |
| 7,700.00                                                                                | 7,572.73              | 7,534.77              | 7,531.97              | 30.30            | 191.29                 | 89.34                 | 1,708.70     | -1,351.71      | 1,798.80               | 1,581.36                | 217.44                    | 8.273              |                    |           |
| 7,800.00                                                                                | 7,670.36              | 7,640.72              | 7,637.90              | 30.78            | 193.62                 | 90.07                 | 1,708.21     | -1,351.71      | 1,798.21               | 1,578.03                | 220.18                    | 8.167              |                    |           |
| 7,900.00                                                                                | 7,767.99              | 7,746.69              | 7,743.86              | 31.25            | 195.95                 | 90.80                 | 1,707.23     | -1,351.71      | 1,797.43               | 1,574.51                | 222.91                    | 8.063              |                    |           |
| 7,905.08                                                                                | 7,772.95              | 7,752.08              | 7,749.24              | 31.28            | 196.07                 | 90.84                 | 1,707.16     | -1,351.71      | 1,797.38               | 1,574.33                | 223.05                    | 8.058              |                    |           |
| 8,000.00                                                                                | 7,865.62              | 7,823.51              | 7,820.62              | 31.73            | 197.59                 | 91.33                 | 1,707.40     | -1,351.71      | 1,797.87               | 1,572.88                | 224.99                    | 7.991              |                    |           |
| 8,100.00                                                                                | 7,963.25              | 7,921.13              | 7,918.25              | 32.20            | 199.69                 | 92.00                 | 1,707.40     | -1,351.71      | 1,798.51               | 1,571.00                | 227.51                    | 7.905              |                    |           |
| 8,140.84                                                                                | 8,003.12              | 7,961.01              | 7,958.12              | 32.39            | 200.55                 | 92.28                 | 1,707.40     | -1,351.71      | 1,798.85               | 1,570.32                | 228.53                    | 7.871              |                    |           |
| 8,200.00                                                                                | 8,060.97              | 8,020.52              | 8,017.62              | 32.67            | 201.83                 | 92.68                 | 1,708.53     | -1,351.71      | 1,800.53               | 1,570.48                | 230.05                    | 7.827              |                    |           |
| 8,300.00                                                                                | 8,159.18              | 8,125.01              | 8,122.11              | 33.15            | 204.08                 | 93.32                 | 1,708.26     | -1,351.71      | 1,801.26               | 1,568.60                | 232.66                    | 7.742              |                    |           |
| 8,400.00                                                                                | 8,257.84              | 8,230.01              | 8,227.10              | 33.64            | 206.34                 | 93.87                 | 1,707.61     | -1,351.71      | 1,801.67               | 1,566.43                | 235.25                    | 7.659              |                    |           |
| 8,500.00                                                                                | 8,356.90              | 8,314.86              | 8,311.90              | 34.10            | 208.22                 | 94.24                 | 1,707.40     | -1,351.71      | 1,802.38               | 1,564.96                | 237.41                    | 7.592              |                    |           |
| 8,600.00                                                                                | 8,456.28              | 8,414.25              | 8,411.28              | 34.55            | 210.45                 | 94.61                 | 1,707.40     | -1,351.71      | 1,803.24               | 1,563.36                | 239.88                    | 7.517              |                    |           |
| 8,700.00                                                                                | 8,555.92              | 8,514.59              | 8,511.61              | 34.97            | 212.71                 | 94.88                 | 1,708.48     | -1,351.71      | 1,805.02               | 1,562.70                | 242.32                    | 7.449              |                    |           |
| 8,800.00                                                                                | 8,655.74              | 8,621.19              | 8,618.21              | 35.36            | 215.10                 | 95.09                 | 1,708.24     | -1,351.71      | 1,805.31               | 1,560.44                | 244.86                    | 7.373              |                    |           |
| 8,900.00                                                                                | 8,755.69              | 8,727.93              | 8,724.94              | 35.70            | 217.50                 | 95.19                 | 1,707.60     | -1,351.71      | 1,805.00               | 1,557.64                | 247.36                    | 7.297              |                    |           |
| 8,974.32                                                                                | 8,830.00              | 8,788.06              | 8,785.00              | 35.81            | 218.99                 | 1.22                  | 1,707.40     | -1,351.71      | 1,804.81               | 1,555.92                | 248.89                    | 7.251              |                    |           |
| 9,000.00                                                                                | 8,855.68              | 8,813.74              | 8,810.68              | 35.81            | 219.67                 | 1.22                  | 1,707.40     | -1,351.71      | 1,804.81               | 1,555.23                | 249.57                    | 7.232              |                    |           |
| 9,100.00                                                                                | 8,955.68              | 8,913.74              | 8,910.68              | 35.83            | 222.32                 | 1.22                  | 1,707.40     | -1,351.71      | 1,804.81               | 1,552.56                | 252.25                    | 7.155              |                    |           |
| 9,200.00                                                                                | 9,055.68              | 9,016.31              | 9,013.23              | 35.85            | 225.03                 | 1.21                  | 1,708.66     | -1,351.71      | 1,806.06               | 1,551.07                | 254.99                    | 7.083              |                    |           |
| 9,234.32                                                                                | 9,090.00              | 9,053.79              | 9,050.71              | 35.86            | 226.02                 | 1.21                  | 1,708.57     | -1,351.71      | 1,805.99               | 1,550.00                | 255.99                    | 7.055              |                    |           |
| 9,250.00                                                                                | 9,105.68              | 9,070.92              | 9,067.84              | 35.85            | 226.47                 | -7.51                 | 1,708.51     | -1,351.71      | 1,805.67               | 1,549.24                | 256.44                    | 7.041              |                    |           |
| 9,275.00                                                                                | 9,130.63              | 9,098.17              | 9,095.08              | 35.84            | 227.19                 | -7.54                 | 1,708.38     | -1,351.71      | 1,804.10               | 1,546.94                | 257.16                    | 7.016              |                    |           |
| 9,300.00                                                                                | 9,155.47              | 9,125.28              | 9,122.19              | 35.82            | 227.91                 | -7.60                 | 1,708.23     | -1,351.71      | 1,801.20               | 1,543.32                | 257.88                    | 6.985              |                    |           |
| 9,325.00                                                                                | 9,180.14              | 9,152.18              | 9,149.09              | 35.80            | 228.62                 | -7.69                 | 1,708.03     | -1,351.71      | 1,796.98               | 1,538.40                | 258.58                    | 6.949              |                    |           |
| 9,350.00                                                                                | 9,204.55              | 9,178.79              | 9,175.70              | 35.78            | 229.33                 | -7.80                 | 1,707.81     | -1,351.71      | 1,791.46               | 1,532.18                | 259.28                    | 6.909              |                    |           |
| 9,375.00                                                                                | 9,228.65              | 9,205.03              | 9,201.93              | 35.76            | 230.02                 | -7.95                 | 1,707.56     | -1,351.71      | 1,784.66               | 1,524.69                | 259.97                    | 6.865              |                    |           |
| 9,400.00                                                                                | 9,252.37              | 9,230.82              | 9,227.72              | 35.74            | 230.70                 | -8.13                 | 1,707.28     | -1,351.71      | 1,776.59               | 1,515.95                | 260.64                    | 6.816              |                    |           |
| 9,425.00                                                                                | 9,275.65              | 9,233.90              | 9,230.65              | 35.72            | 230.82                 | -8.31                 | 1,707.40     | -1,351.71      | 1,767.56               | 1,506.81                | 260.75                    | 6.779              |                    |           |
| 9,450.00                                                                                | 9,298.42              | 9,256.67              | 9,253.42              | 35.70            | 231.47                 | -8.56                 | 1,707.40     | -1,351.71      | 1,757.33               | 1,495.94                | 261.40                    | 6.723              |                    |           |
| 9,475.00                                                                                | 9,320.61              | 9,278.88              | 9,275.61              | 35.68            | 232.11                 | -8.84                 | 1,707.40     | -1,351.71      | 1,745.94               | 1,483.92                | 262.02                    | 6.663              |                    |           |
| 9,500.00                                                                                | 9,342.18              | 9,300.48              | 9,297.18              | 35.66            | 232.73                 | -9.18                 | 1,707.40     | -1,351.71      | 1,733.41               | 1,470.78                | 262.63                    | 6.600              |                    |           |
| 9,525.00                                                                                | 9,363.05              | 9,321.35              | 9,318.05              | 35.64            | 233.38                 | -9.57                 | 1,707.40     | -1,351.71      | 1,719.78               | 1,456.52                | 263.26                    | 6.533              |                    |           |
| 9,550.00                                                                                | 9,383.17              | 9,341.47              | 9,338.17              | 35.62            | 234.00                 | -10.03                | 1,707.40     | -1,351.71      | 1,705.09               | 1,441.23                | 263.86                    | 6.462              |                    |           |
| 9,575.00                                                                                | 9,402.49              | 9,360.79              | 9,357.49              | 35.61            | 234.60                 | -10.56                | 1,707.40     | -1,351.71      | 1,689.38               | 1,424.95                | 264.44                    | 6.389              |                    |           |
| 9,600.00                                                                                | 9,420.95              | 9,379.25              | 9,375.95              | 35.60            | 235.18                 | -11.17                | 1,707.40     | -1,351.71      | 1,672.70               | 1,407.71                | 264.99                    | 6.312              |                    |           |
| 9,625.00                                                                                | 9,438.51              | 9,396.81              | 9,393.51              | 35.60            | 235.72                 | -11.89                | 1,707.40     | -1,351.71      | 1,655.08               | 1,389.58                | 265.51                    | 6.234              |                    |           |
| 9,650.00                                                                                | 9,455.11              | 9,413.41              | 9,410.11              | 35.60            | 236.24                 | -12.73                | 1,707.40     | -1,351.71      | 1,636.58               | 1,370.59                | 265.99                    | 6.153              |                    |           |
| 9,666.30                                                                                | 9,465.39              | 9,423.70              | 9,420.39              | 35.61            | 236.56                 | -13.36                | 1,707.40     | -1,351.71      | 1,624.07               | 1,357.78                | 266.29                    | 6.099              |                    |           |
| 9,675.00                                                                                | 9,470.71              | 9,429.01              | 9,425.71              | 35.61            | 236.72                 | -13.19                | 1,707.40     | -1,351.71      | 1,617.26               | 1,350.81                | 266.44                    | 6.070              |                    |           |
| 9,700.00                                                                                | 9,485.29              | 9,443.59              | 9,440.29              | 35.63            | 237.18                 | -12.74                | 1,707.40     | -1,351.71      | 1,597.13               | 1,330.27                | 266.86                    | 5.985              |                    |           |
| 9,725.00                                                                                | 9,498.82              | 9,457.12              | 9,453.82              | 35.66            | 237.60                 | -12.37                | 1,707.40     | -1,351.71      | 1,576.27               | 1,309.01                | 267.25                    | 5.898              |                    |           |
| 9,750.00                                                                                | 9,511.26              | 9,469.57              | 9,466.26              | 35.70            | 237.98                 | -12.06                | 1,707.40     | -1,351.71      | 1,554.71               | 1,287.09                | 267.62                    | 5.810              |                    |           |
| 9,775.00                                                                                | 9,522.58              | 9,480.89              | 9,477.56              | 35.75            | 238.33                 | -11.80                | 1,708.98     | -1,351.71      | 1,534.10               | 1,266.16                | 267.94                    | 5.725              |                    |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Galivan Federal 001 - Wellbore #1 - Actual |                       |                       |                       |                  |               |                        |              |              |                        |                         |                           |                    | Offset Site Error:                     | 0.00 usft |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|--------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------------------------------------|-----------|
| Survey Program:                                                                         |                       | 305-INC-ONLY          |                       |                  |               |                        |              |              |                        |                         |                           | Offset Well Error: | 15.00 usft                             |           |
| Reference                                                                               |                       | Offset                |                       | Semi Major Axis  |               | Offset Wellbore Centre |              |              | Rule Assigned:         |                         |                           |                    | Warning                                |           |
| Measured Depth (usft)                                                                   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |                                        |           |
| 9,800.00                                                                                | 9,532.75              | 9,492.80              | 9,489.47              | 35.81            | 238.70        | -11.62                 | 1,708.97     | -1,351.71    | 1,511.34               | 1,243.05                | 268.29                    | 5.633              |                                        |           |
| 9,825.00                                                                                | 9,541.74              | 9,503.27              | 9,499.94              | 35.88            | 239.03        | -11.49                 | 1,708.96     | -1,351.71    | 1,488.06               | 1,219.47                | 268.60                    | 5.540              |                                        |           |
| 9,850.00                                                                                | 9,549.52              | 9,512.28              | 9,508.94              | 35.96            | 239.31        | -11.41                 | 1,708.93     | -1,351.71    | 1,464.33               | 1,195.47                | 268.86                    | 5.446              |                                        |           |
| 9,875.00                                                                                | 9,556.07              | 9,519.81              | 9,516.47              | 36.06            | 239.54        | -11.38                 | 1,708.91     | -1,351.71    | 1,440.22               | 1,171.14                | 269.08                    | 5.352              |                                        |           |
| 9,900.00                                                                                | 9,561.38              | 9,525.86              | 9,522.52              | 36.17            | 239.73        | -11.41                 | 1,708.88     | -1,351.71    | 1,415.79               | 1,146.54                | 269.26                    | 5.258              |                                        |           |
| 9,925.00                                                                                | 9,565.43              | 9,530.41              | 9,527.08              | 36.29            | 239.87        | -11.51                 | 1,708.86     | -1,351.71    | 1,391.12               | 1,121.73                | 269.39                    | 5.164              |                                        |           |
| 9,950.00                                                                                | 9,568.21              | 9,533.48              | 9,530.14              | 36.43            | 239.97        | -11.77                 | 1,708.85     | -1,351.71    | 1,366.27               | 1,096.80                | 269.48                    | 5.070              |                                        |           |
| 9,975.00                                                                                | 9,569.71              | 9,535.06              | 9,531.72              | 36.57            | 240.02        | -12.79                 | 1,708.84     | -1,351.71    | 1,341.31               | 1,071.79                | 269.52                    | 4.977              |                                        |           |
| 9,991.75                                                                                | 9,570.00              | 9,535.29              | 9,531.95              | 36.67            | 240.02        | 177.12                 | 1,708.84     | -1,351.71    | 1,324.57               | 1,055.04                | 269.53                    | 4.914              |                                        |           |
| 10,000.00                                                                               | 9,570.00              | 9,535.24              | 9,531.90              | 36.73            | 240.02        | 177.10                 | 1,708.84     | -1,351.71    | 1,316.32               | 1,046.79                | 269.53                    | 4.884              |                                        |           |
| 10,100.00                                                                               | 9,570.00              | 9,534.65              | 9,531.31              | 37.44            | 240.00        | 176.83                 | 1,708.84     | -1,351.71    | 1,216.32               | 946.80                  | 269.52                    | 4.513              |                                        |           |
| 10,200.00                                                                               | 9,570.00              | 9,534.06              | 9,530.72              | 38.25            | 239.98        | 176.50                 | 1,708.84     | -1,351.71    | 1,116.32               | 846.81                  | 269.51                    | 4.142              |                                        |           |
| 10,300.00                                                                               | 9,570.00              | 9,533.49              | 9,530.16              | 39.14            | 239.97        | 176.12                 | 1,708.85     | -1,351.71    | 1,016.32               | 746.82                  | 269.50                    | 3.771              |                                        |           |
| 10,400.00                                                                               | 9,570.00              | 9,532.94              | 9,529.60              | 40.10            | 239.95        | 175.65                 | 1,708.85     | -1,351.71    | 916.32                 | 646.82                  | 269.50                    | 3.400              |                                        |           |
| 10,500.00                                                                               | 9,570.00              | 9,532.39              | 9,529.05              | 41.12            | 239.93        | 175.07                 | 1,708.85     | -1,351.71    | 816.32                 | 546.83                  | 269.49                    | 3.029              |                                        |           |
| 10,600.00                                                                               | 9,570.00              | 9,531.86              | 9,528.52              | 42.20            | 239.92        | 174.32                 | 1,708.86     | -1,351.71    | 716.32                 | 446.83                  | 269.49                    | 2.658              |                                        |           |
| 10,700.00                                                                               | 9,570.00              | 9,531.33              | 9,527.99              | 43.31            | 239.90        | 173.34                 | 1,708.86     | -1,351.71    | 616.33                 | 346.83                  | 269.49                    | 2.287              |                                        |           |
| 10,800.00                                                                               | 9,570.00              | 9,530.82              | 9,527.48              | 44.47            | 239.88        | 171.98                 | 1,708.86     | -1,351.71    | 516.33                 | 246.83                  | 269.49                    | 1.916              | Collision Risk Procedures Req.         |           |
| 10,900.00                                                                               | 9,570.00              | 9,530.32              | 9,526.98              | 45.67            | 239.87        | 169.98                 | 1,708.86     | -1,351.71    | 416.33                 | 146.83                  | 269.50                    | 1.545              | Collision Risk Procedures Req.         |           |
| 11,000.00                                                                               | 9,570.00              | 9,529.83              | 9,526.49              | 46.91            | 239.85        | 166.76                 | 1,708.86     | -1,351.71    | 316.33                 | 46.82                   | 269.51                    | 1.174              | Collision Avoidance Req.               |           |
| 11,100.00                                                                               | 9,570.00              | 9,529.34              | 9,526.01              | 48.18            | 239.84        | 160.80                 | 1,708.87     | -1,351.71    | 216.33                 | -53.19                  | 269.52                    | 0.803              | No-Go Zone - Stop Drilling             |           |
| 11,200.00                                                                               | 9,570.00              | 9,528.87              | 9,525.53              | 49.48            | 239.82        | 146.64                 | 1,708.87     | -1,351.71    | 116.33                 | -153.23                 | 269.56                    | 0.432              | No-Go Zone - Stop Drilling             |           |
| 11,300.00                                                                               | 9,570.00              | 9,528.41              | 9,525.07              | 50.81            | 239.81        | 100.93                 | 1,708.87     | -1,351.71    | 16.34                  | -253.65                 | 269.99                    | 0.061              | No-Go Zone - Stop Drilling             |           |
| 11,316.33                                                                               | 9,570.00              | 9,528.33              | 9,524.99              | 51.03            | 239.81        | 88.79                  | 1,708.87     | -1,351.71    | 0.35                   | -287.64                 | 287.99                    | 0.001              | No-Go Zone - Stop Drilling, CC, ES, SF |           |
| 11,400.00                                                                               | 9,570.00              | 9,527.95              | 9,524.61              | 52.17            | 239.79        | 42.08                  | 1,708.87     | -1,351.71    | 83.67                  | -185.74                 | 269.41                    | 0.311              | No-Go Zone - Stop Drilling             |           |
| 11,500.00                                                                               | 9,570.00              | 9,527.50              | 9,524.17              | 53.56            | 239.78        | 22.76                  | 1,708.88     | -1,351.71    | 183.67                 | -85.80                  | 269.47                    | 0.682              | No-Go Zone - Stop Drilling             |           |
| 11,600.00                                                                               | 9,570.00              | 9,527.07              | 9,523.73              | 54.97            | 239.77        | 15.38                  | 1,708.88     | -1,351.71    | 283.66                 | 14.17                   | 269.50                    | 1.053              | Collision Avoidance Req.               |           |
| 11,700.00                                                                               | 9,570.00              | 9,526.64              | 9,523.30              | 56.41            | 239.75        | 11.62                  | 1,708.88     | -1,351.71    | 383.66                 | 114.15                  | 269.51                    | 1.424              | Collision Avoidance Req.               |           |
| 11,800.00                                                                               | 9,570.00              | 9,526.21              | 9,522.88              | 57.86            | 239.74        | 9.36                   | 1,708.88     | -1,351.71    | 483.66                 | 214.13                  | 269.53                    | 1.794              | Collision Risk Procedures Req.         |           |
| 11,900.00                                                                               | 9,570.00              | 9,525.80              | 9,522.46              | 59.34            | 239.73        | 7.85                   | 1,708.88     | -1,351.71    | 583.66                 | 314.11                  | 269.55                    | 2.165              |                                        |           |
| 12,000.00                                                                               | 9,570.00              | 9,525.39              | 9,522.05              | 60.84            | 239.71        | 6.78                   | 1,708.88     | -1,351.71    | 683.66                 | 414.09                  | 269.57                    | 2.536              |                                        |           |
| 12,100.00                                                                               | 9,570.00              | 9,524.99              | 9,521.66              | 62.36            | 239.70        | 5.97                   | 1,708.89     | -1,351.71    | 783.66                 | 514.07                  | 269.59                    | 2.907              |                                        |           |
| 12,200.00                                                                               | 9,570.00              | 9,524.60              | 9,521.26              | 63.90            | 239.69        | 5.35                   | 1,708.89     | -1,351.71    | 883.66                 | 614.05                  | 269.61                    | 3.278              |                                        |           |
| 12,300.00                                                                               | 9,570.00              | 9,524.21              | 9,520.88              | 65.45            | 239.68        | 4.85                   | 1,708.89     | -1,351.71    | 983.66                 | 714.03                  | 269.63                    | 3.648              |                                        |           |
| 12,400.00                                                                               | 9,570.00              | 9,523.84              | 9,520.50              | 67.01            | 239.67        | 4.45                   | 1,708.89     | -1,351.71    | 1,083.66               | 814.01                  | 269.65                    | 4.019              |                                        |           |
| 12,500.00                                                                               | 9,570.00              | 9,523.46              | 9,520.13              | 68.60            | 239.65        | 4.11                   | 1,708.89     | -1,351.71    | 1,183.66               | 913.98                  | 269.67                    | 4.389              |                                        |           |
| 12,600.00                                                                               | 9,570.00              | 9,523.10              | 9,519.76              | 70.19            | 239.64        | 3.82                   | 1,708.89     | -1,351.71    | 1,283.66               | 1,013.96                | 269.70                    | 4.760              |                                        |           |
| 12,700.00                                                                               | 9,570.00              | 9,522.74              | 9,519.40              | 71.80            | 239.63        | 3.58                   | 1,708.90     | -1,351.71    | 1,383.65               | 1,113.93                | 269.72                    | 5.130              |                                        |           |
| 12,800.00                                                                               | 9,570.00              | 9,522.38              | 9,519.05              | 73.43            | 239.62        | 3.37                   | 1,708.90     | -1,351.71    | 1,483.65               | 1,213.91                | 269.75                    | 5.500              |                                        |           |
| 12,900.00                                                                               | 9,570.00              | 9,522.04              | 9,518.70              | 75.06            | 239.61        | 3.18                   | 1,708.90     | -1,351.71    | 1,583.65               | 1,313.88                | 269.78                    | 5.870              |                                        |           |
| 13,000.00                                                                               | 9,570.00              | 9,521.70              | 9,518.36              | 76.71            | 239.60        | 3.02                   | 1,708.90     | -1,351.71    | 1,683.65               | 1,413.85                | 269.81                    | 6.240              |                                        |           |
| 13,100.00                                                                               | 9,570.00              | 9,521.36              | 9,518.02              | 78.37            | 239.59        | 2.87                   | 1,708.90     | -1,351.71    | 1,783.65               | 1,513.82                | 269.84                    | 6.610              |                                        |           |
| 13,200.00                                                                               | 9,570.00              | 9,521.03              | 9,517.69              | 80.03            | 239.58        | 2.74                   | 1,708.90     | -1,351.71    | 1,883.65               | 1,613.78                | 269.87                    | 6.980              |                                        |           |
| 13,300.00                                                                               | 9,570.00              | 9,520.70              | 9,517.37              | 81.71            | 239.57        | 2.63                   | 1,708.90     | -1,351.71    | 1,983.65               | 1,713.75                | 269.90                    | 7.350              |                                        |           |
| 13,400.00                                                                               | 9,570.00              | 9,520.38              | 9,517.05              | 83.39            | 239.56        | 2.52                   | 1,708.91     | -1,351.71    | 2,083.65               | 1,813.71                | 269.93                    | 7.719              |                                        |           |
| 13,500.00                                                                               | 9,570.00              | 9,520.07              | 9,516.73              | 85.09            | 239.55        | 2.42                   | 1,708.91     | -1,351.71    | 2,183.65               | 1,913.68                | 269.97                    | 8.089              |                                        |           |
| 13,600.00                                                                               | 9,570.00              | 9,519.76              | 9,516.42              | 86.79            | 239.54        | 2.34                   | 1,708.91     | -1,351.71    | 2,283.65               | 2,013.64                | 270.01                    | 8.458              |                                        |           |
| 13,700.00                                                                               | 9,570.00              | 9,519.45              | 9,516.12              | 88.50            | 239.53        | 2.26                   | 1,708.91     | -1,351.71    | 2,383.65               | 2,113.60                | 270.04                    | 8.827              |                                        |           |
| 13,800.00                                                                               | 9,570.00              | 9,519.15              | 9,515.81              | 90.22            | 239.52        | 2.18                   | 1,708.91     | -1,351.71    | 2,483.65               | 2,213.56                | 270.08                    | 9.196              |                                        |           |
| 13,900.00                                                                               | 9,570.00              | 9,518.86              | 9,515.52              | 91.94            | 239.51        | 2.12                   | 1,708.91     | -1,351.71    | 2,583.65               | 2,313.52                | 270.12                    | 9.565              |                                        |           |
| 14,000.00                                                                               | 9,570.00              | 9,518.56              | 9,515.23              | 93.68            | 239.50        | 2.05                   | 1,708.91     | -1,351.71    | 2,683.64               | 2,413.48                | 270.16                    | 9.933              |                                        |           |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 305H - Wellbore #1 - Plan 1 |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.00 usft |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           | <b>Warning</b>            |           |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |           |
| 0.00                                                                                            | 0.00                  | 1.00                  | 1.00                  | 0.50             | 0.50          | 159.08                | -79.80       | 30.50        | 85.43                  |                         |                           |                           |           |
| 100.00                                                                                          | 100.00                | 101.00                | 101.00                | 0.64             | 0.65          | 159.08                | -79.80       | 30.50        | 85.43                  | 84.14                   | 1.29                      | 66.065                    |           |
| 200.00                                                                                          | 200.00                | 201.00                | 201.00                | 1.34             | 1.34          | 159.08                | -79.80       | 30.50        | 85.43                  | 82.75                   | 2.68                      | 31.886                    |           |
| 300.00                                                                                          | 300.00                | 301.00                | 301.00                | 1.81             | 1.81          | 159.08                | -79.80       | 30.50        | 85.43                  | 81.81                   | 3.62                      | 23.593                    |           |
| 400.00                                                                                          | 400.00                | 401.00                | 401.00                | 2.18             | 2.19          | 159.08                | -79.80       | 30.50        | 85.43                  | 81.06                   | 4.37                      | 19.549                    |           |
| 500.00                                                                                          | 500.00                | 501.00                | 501.00                | 2.51             | 2.51          | 159.08                | -79.80       | 30.50        | 85.43                  | 80.42                   | 5.01                      | 17.040                    |           |
| 600.00                                                                                          | 600.00                | 601.00                | 601.00                | 2.79             | 2.80          | 159.08                | -79.80       | 30.50        | 85.43                  | 79.84                   | 5.59                      | 15.288                    |           |
| 700.00                                                                                          | 700.00                | 701.00                | 701.00                | 3.06             | 3.06          | 159.08                | -79.80       | 30.50        | 85.43                  | 79.32                   | 6.11                      | 13.975                    |           |
| 800.00                                                                                          | 800.00                | 801.00                | 801.00                | 3.30             | 3.30          | 159.08                | -79.80       | 30.50        | 85.43                  | 78.83                   | 6.60                      | 12.943                    |           |
| 900.00                                                                                          | 900.00                | 901.00                | 901.00                | 3.53             | 3.53          | 159.08                | -79.80       | 30.50        | 85.43                  | 78.37                   | 7.06                      | 12.103                    |           |
| 1,000.00                                                                                        | 1,000.00              | 1,001.00              | 1,001.00              | 3.74             | 3.75          | 159.08                | -79.80       | 30.50        | 85.43                  | 77.94                   | 7.49                      | 11.403                    |           |
| 1,100.00                                                                                        | 1,100.00              | 1,101.00              | 1,101.00              | 3.95             | 3.95          | 159.08                | -79.80       | 30.50        | 85.43                  | 77.53                   | 7.90                      | 10.808                    |           |
| 1,200.00                                                                                        | 1,200.00              | 1,201.00              | 1,201.00              | 4.15             | 4.15          | 159.08                | -79.80       | 30.50        | 85.43                  | 77.13                   | 8.30                      | 10.293                    |           |
| 1,300.00                                                                                        | 1,300.00              | 1,301.00              | 1,301.00              | 4.34             | 4.34          | 159.08                | -79.80       | 30.50        | 85.43                  | 76.75                   | 8.68                      | 9.841                     |           |
| 1,400.00                                                                                        | 1,400.00              | 1,401.00              | 1,401.00              | 4.52             | 4.53          | 159.08                | -79.80       | 30.50        | 85.43                  | 76.38                   | 9.05                      | 9.441                     |           |
| 1,416.33                                                                                        | 1,416.33              | 1,417.33              | 1,417.33              | 4.55             | 4.55          | 159.08                | -79.80       | 30.50        | 85.43                  | 76.32                   | 9.11                      | 9.381 CC                  |           |
| 1,500.00                                                                                        | 1,500.00              | 1,500.99              | 1,500.99              | 4.70             | 4.70          | 159.08                | -79.80       | 30.50        | 85.43                  | 76.03                   | 9.40                      | 9.085 ES                  |           |
| 1,600.00                                                                                        | 1,599.99              | 1,600.00              | 1,599.99              | 4.85             | 4.82          | -107.36               | -80.66       | 30.66        | 86.55                  | 76.89                   | 9.66                      | 8.958                     |           |
| 1,700.00                                                                                        | 1,699.96              | 1,697.96              | 1,697.92              | 5.01             | 4.96          | -108.59               | -83.16       | 31.12        | 89.90                  | 79.95                   | 9.95                      | 9.034                     |           |
| 1,800.00                                                                                        | 1,799.86              | 1,796.21              | 1,796.07              | 5.19             | 5.12          | -110.44               | -87.33       | 31.89        | 95.56                  | 85.30                   | 10.26                     | 9.317                     |           |
| 1,900.00                                                                                        | 1,899.68              | 1,894.15              | 1,893.84              | 5.39             | 5.30          | -112.68               | -93.13       | 32.97        | 103.62                 | 93.04                   | 10.58                     | 9.792                     |           |
| 2,000.00                                                                                        | 1,999.37              | 1,991.71              | 1,991.11              | 5.61             | 5.50          | -115.09               | -100.53      | 34.34        | 114.17                 | 103.24                  | 10.93                     | 10.444                    |           |
| 2,100.00                                                                                        | 2,098.90              | 2,088.79              | 2,087.76              | 5.85             | 5.72          | -117.46               | -109.52      | 36.00        | 127.28                 | 115.97                  | 11.31                     | 11.256                    |           |
| 2,200.00                                                                                        | 2,198.26              | 2,185.29              | 2,183.66              | 6.11             | 5.97          | -119.68               | -120.05      | 37.95        | 142.97                 | 131.25                  | 11.71                     | 12.205                    |           |
| 2,300.00                                                                                        | 2,297.40              | 2,283.18              | 2,280.82              | 6.40             | 6.23          | -121.83               | -131.76      | 40.12        | 160.72                 | 148.56                  | 12.16                     | 13.212                    |           |
| 2,400.00                                                                                        | 2,396.30              | 2,381.13              | 2,378.04              | 6.70             | 6.51          | -123.98               | -143.51      | 42.30        | 179.65                 | 167.00                  | 12.65                     | 14.203                    |           |
| 2,500.00                                                                                        | 2,494.93              | 2,478.80              | 2,474.98              | 7.03             | 6.80          | -126.09               | -155.22      | 44.47        | 199.82                 | 186.66                  | 13.16                     | 15.182                    |           |
| 2,600.00                                                                                        | 2,593.26              | 2,576.14              | 2,571.59              | 7.37             | 7.10          | -128.14               | -166.89      | 46.63        | 221.29                 | 207.58                  | 13.70                     | 16.149                    |           |
| 2,700.00                                                                                        | 2,691.25              | 2,673.12              | 2,667.85              | 7.73             | 7.41          | -130.10               | -178.51      | 48.78        | 244.11                 | 229.84                  | 14.27                     | 17.105                    |           |
| 2,750.22                                                                                        | 2,740.32              | 2,721.68              | 2,716.05              | 7.89             | 7.56          | -131.06               | -184.34      | 49.86        | 256.11                 | 241.58                  | 14.53                     | 17.629                    |           |
| 2,800.00                                                                                        | 2,788.92              | 2,771.42              | 2,765.43              | 8.05             | 7.70          | -132.09               | -190.19      | 50.94        | 268.12                 | 253.34                  | 14.78                     | 18.137                    |           |
| 2,900.00                                                                                        | 2,886.55              | 2,874.24              | 2,867.72              | 8.43             | 8.09          | -134.18               | -200.39      | 52.83        | 291.04                 | 275.60                  | 15.44                     | 18.850                    |           |
| 3,000.00                                                                                        | 2,984.18              | 2,977.69              | 2,970.89              | 8.82             | 8.56          | -136.30               | -207.92      | 54.23        | 312.25                 | 296.10                  | 16.15                     | 19.330                    |           |
| 3,100.00                                                                                        | 3,081.81              | 3,081.62              | 3,074.70              | 9.23             | 9.02          | -138.48               | -212.71      | 55.11        | 331.84                 | 314.99                  | 16.85                     | 19.699                    |           |
| 3,200.00                                                                                        | 3,179.44              | 3,185.89              | 3,178.94              | 9.64             | 9.23          | -140.74               | -214.73      | 55.49        | 349.90                 | 332.53                  | 17.37                     | 20.140                    |           |
| 3,300.00                                                                                        | 3,277.07              | 3,285.01              | 3,278.07              | 10.05            | 9.36          | -142.89               | -214.80      | 55.50        | 367.13                 | 349.29                  | 17.84                     | 20.579                    |           |
| 3,400.00                                                                                        | 3,374.69              | 3,382.64              | 3,375.69              | 10.47            | 9.44          | -144.82               | -214.80      | 55.50        | 384.75                 | 366.45                  | 18.30                     | 21.027                    |           |
| 3,500.00                                                                                        | 3,472.32              | 3,480.27              | 3,473.32              | 10.90            | 9.52          | -146.58               | -214.80      | 55.50        | 402.77                 | 384.00                  | 18.77                     | 21.461                    |           |
| 3,600.00                                                                                        | 3,569.95              | 3,577.90              | 3,570.95              | 11.33            | 9.60          | -148.19               | -214.80      | 55.50        | 421.13                 | 401.88                  | 19.25                     | 21.879                    |           |
| 3,700.00                                                                                        | 3,667.58              | 3,675.53              | 3,668.58              | 11.76            | 9.67          | -149.67               | -214.80      | 55.50        | 439.79                 | 420.06                  | 19.74                     | 22.282                    |           |
| 3,800.00                                                                                        | 3,765.21              | 3,773.16              | 3,766.21              | 12.20            | 9.75          | -151.03               | -214.80      | 55.50        | 458.72                 | 438.48                  | 20.24                     | 22.669                    |           |
| 3,900.00                                                                                        | 3,862.84              | 3,870.78              | 3,863.84              | 12.64            | 9.83          | -152.28               | -214.80      | 55.50        | 477.87                 | 457.13                  | 20.74                     | 23.042                    |           |
| 4,000.00                                                                                        | 3,960.47              | 3,968.41              | 3,961.47              | 13.09            | 9.90          | -153.43               | -214.80      | 55.50        | 497.23                 | 475.98                  | 21.25                     | 23.399                    |           |
| 4,100.00                                                                                        | 4,058.10              | 4,066.04              | 4,059.10              | 13.53            | 9.98          | -154.50               | -214.80      | 55.50        | 516.77                 | 495.00                  | 21.77                     | 23.742                    |           |
| 4,200.00                                                                                        | 4,155.72              | 4,163.67              | 4,156.72              | 13.98            | 10.06         | -155.49               | -214.80      | 55.50        | 536.47                 | 514.18                  | 22.29                     | 24.072                    |           |
| 4,300.00                                                                                        | 4,253.35              | 4,261.30              | 4,254.35              | 14.43            | 10.13         | -156.41               | -214.80      | 55.50        | 556.32                 | 533.51                  | 22.81                     | 24.388                    |           |
| 4,400.00                                                                                        | 4,350.98              | 4,358.93              | 4,351.98              | 14.88            | 10.21         | -157.27               | -214.80      | 55.50        | 576.29                 | 552.96                  | 23.34                     | 24.692                    |           |
| 4,500.00                                                                                        | 4,448.61              | 4,456.56              | 4,449.61              | 15.34            | 10.29         | -158.07               | -214.80      | 55.50        | 596.39                 | 572.52                  | 23.87                     | 24.984                    |           |
| 4,600.00                                                                                        | 4,546.24              | 4,554.19              | 4,547.24              | 15.79            | 10.36         | -158.82               | -214.80      | 55.50        | 616.59                 | 592.18                  | 24.41                     | 25.265                    |           |
| 4,700.00                                                                                        | 4,643.87              | 4,651.81              | 4,644.87              | 16.25            | 10.44         | -159.52               | -214.80      | 55.50        | 636.88                 | 611.94                  | 24.94                     | 25.534                    |           |
| 4,800.00                                                                                        | 4,741.50              | 4,749.44              | 4,742.50              | 16.71            | 10.52         | -160.18               | -214.80      | 55.50        | 657.26                 | 631.78                  | 25.48                     | 25.794                    |           |
| 4,900.00                                                                                        | 4,839.13              | 4,847.07              | 4,840.13              | 17.17            | 10.59         | -160.80               | -214.80      | 55.50        | 677.72                 | 651.70                  | 26.02                     | 26.043                    |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 305H - Wellbore #1 - Plan 1 |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           | <b>Offset Site Error:</b> | 0.00 usft |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|-------------------------------------|---------------------------------|----------------------------------|---------------------------|---------------------------|-----------|
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                       |                       |                       |                                  |                               |                       |                                     |                                     |                                 |                                  |                           | <b>Warning</b>            |           |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Semi Major Axis Reference (usft) | Semi Major Axis Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | Offset Wellbore Centre +E/-W (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         | Warning   |
| 5,000.00                                                                                        | 4,936.76              | 4,944.70              | 4,937.76              | 17.63                            | 10.67                         | -161.38               | -214.80                             | 55.50                               | 698.25                          | 671.68                           | 26.57                     | 26.284                    |           |
| 5,100.00                                                                                        | 5,034.38              | 5,042.33              | 5,035.38              | 18.09                            | 10.75                         | -161.93               | -214.80                             | 55.50                               | 718.84                          | 691.73                           | 27.11                     | 26.515                    |           |
| 5,200.00                                                                                        | 5,132.01              | 5,139.96              | 5,133.01              | 18.55                            | 10.83                         | -162.45               | -214.80                             | 55.50                               | 739.50                          | 711.84                           | 27.66                     | 26.738                    |           |
| 5,300.00                                                                                        | 5,229.64              | 5,237.59              | 5,230.64              | 19.01                            | 10.90                         | -162.94               | -214.80                             | 55.50                               | 760.21                          | 732.01                           | 28.20                     | 26.953                    |           |
| 5,400.00                                                                                        | 5,327.27              | 5,335.22              | 5,328.27              | 19.48                            | 10.98                         | -163.41               | -214.80                             | 55.50                               | 780.97                          | 752.22                           | 28.75                     | 27.161                    |           |
| 5,500.00                                                                                        | 5,424.90              | 5,432.84              | 5,425.90              | 19.94                            | 11.06                         | -163.85               | -214.80                             | 55.50                               | 801.78                          | 772.48                           | 29.30                     | 27.361                    |           |
| 5,600.00                                                                                        | 5,522.53              | 5,530.47              | 5,523.53              | 20.41                            | 11.13                         | -164.27               | -214.80                             | 55.50                               | 822.64                          | 792.78                           | 29.85                     | 27.555                    |           |
| 5,700.00                                                                                        | 5,620.16              | 5,628.10              | 5,621.16              | 20.87                            | 11.21                         | -164.67               | -214.80                             | 55.50                               | 843.53                          | 813.12                           | 30.41                     | 27.741                    |           |
| 5,800.00                                                                                        | 5,717.79              | 5,725.73              | 5,718.79              | 21.34                            | 11.29                         | -165.04               | -214.80                             | 55.50                               | 864.46                          | 833.50                           | 30.96                     | 27.922                    |           |
| 5,900.00                                                                                        | 5,815.41              | 5,823.36              | 5,816.41              | 21.81                            | 11.37                         | -165.41               | -214.80                             | 55.50                               | 885.42                          | 853.91                           | 31.51                     | 28.097                    |           |
| 6,000.00                                                                                        | 5,913.04              | 5,920.99              | 5,914.04              | 22.28                            | 11.44                         | -165.75               | -214.80                             | 55.50                               | 906.42                          | 874.35                           | 32.07                     | 28.266                    |           |
| 6,100.00                                                                                        | 6,010.67              | 6,018.62              | 6,011.67              | 22.75                            | 11.52                         | -166.08               | -214.80                             | 55.50                               | 927.44                          | 894.82                           | 32.62                     | 28.429                    |           |
| 6,200.00                                                                                        | 6,108.30              | 6,116.25              | 6,109.30              | 23.22                            | 11.60                         | -166.39               | -214.80                             | 55.50                               | 948.50                          | 915.32                           | 33.18                     | 28.588                    |           |
| 6,300.00                                                                                        | 6,205.93              | 6,213.88              | 6,206.93              | 23.68                            | 11.68                         | -166.69               | -214.80                             | 55.50                               | 969.58                          | 935.84                           | 33.73                     | 28.741                    |           |
| 6,400.00                                                                                        | 6,303.56              | 6,311.50              | 6,304.56              | 24.16                            | 11.75                         | -166.98               | -214.80                             | 55.50                               | 990.68                          | 956.39                           | 34.29                     | 28.890                    |           |
| 12,800.00                                                                                       | 9,570.00              | 12,791.68             | 9,570.00              | 73.43                            | 64.46                         | 89.96                 | 3,201.26                            | -42.01                              | 1,319.91                        | 1,184.62                         | 135.29                    | 9.756                     |           |
| 12,900.00                                                                                       | 9,570.00              | 12,891.68             | 9,570.00              | 75.06                            | 66.34                         | 89.96                 | 3,301.26                            | -42.68                              | 1,319.91                        | 1,181.08                         | 138.84                    | 9.507                     |           |
| 13,000.00                                                                                       | 9,570.00              | 12,991.68             | 9,570.00              | 76.71                            | 68.22                         | 89.96                 | 3,401.25                            | -43.34                              | 1,319.91                        | 1,177.52                         | 142.39                    | 9.270                     |           |
| 13,100.00                                                                                       | 9,570.00              | 13,091.68             | 9,570.00              | 78.37                            | 70.11                         | 89.96                 | 3,501.25                            | -44.00                              | 1,319.91                        | 1,173.95                         | 145.96                    | 9.043                     |           |
| 13,200.00                                                                                       | 9,570.00              | 13,191.68             | 9,570.00              | 80.03                            | 71.99                         | 89.96                 | 3,601.25                            | -44.67                              | 1,319.91                        | 1,170.37                         | 149.54                    | 8.826                     |           |
| 13,300.00                                                                                       | 9,570.00              | 13,291.68             | 9,570.00              | 81.71                            | 73.88                         | 89.96                 | 3,701.25                            | -45.33                              | 1,319.91                        | 1,166.78                         | 153.14                    | 8.619                     |           |
| 13,400.00                                                                                       | 9,570.00              | 13,391.68             | 9,570.00              | 83.39                            | 75.76                         | 89.96                 | 3,801.24                            | -45.99                              | 1,319.91                        | 1,163.17                         | 156.74                    | 8.421                     |           |
| 13,500.00                                                                                       | 9,570.00              | 13,491.68             | 9,570.00              | 85.09                            | 77.65                         | 89.96                 | 3,901.24                            | -46.66                              | 1,319.91                        | 1,159.56                         | 160.35                    | 8.231                     |           |
| 13,600.00                                                                                       | 9,570.00              | 13,591.68             | 9,570.00              | 86.79                            | 79.54                         | 89.96                 | 4,001.24                            | -47.32                              | 1,319.91                        | 1,155.93                         | 163.98                    | 8.049                     |           |
| 13,700.00                                                                                       | 9,570.00              | 13,691.68             | 9,570.00              | 88.50                            | 81.43                         | 89.96                 | 4,101.24                            | -47.98                              | 1,319.91                        | 1,152.30                         | 167.61                    | 7.875                     |           |
| 13,800.00                                                                                       | 9,570.00              | 13,791.68             | 9,570.00              | 90.22                            | 83.32                         | 89.96                 | 4,201.24                            | -48.65                              | 1,319.91                        | 1,148.66                         | 171.25                    | 7.708                     |           |
| 13,900.00                                                                                       | 9,570.00              | 13,891.68             | 9,570.00              | 91.94                            | 85.22                         | 89.96                 | 4,301.23                            | -49.31                              | 1,319.91                        | 1,145.01                         | 174.90                    | 7.547                     |           |
| 14,000.00                                                                                       | 9,570.00              | 13,991.68             | 9,570.00              | 93.68                            | 87.11                         | 89.96                 | 4,401.23                            | -49.97                              | 1,319.91                        | 1,141.36                         | 178.55                    | 7.392                     |           |
| 14,100.00                                                                                       | 9,570.00              | 14,091.68             | 9,570.00              | 95.41                            | 89.00                         | 89.96                 | 4,501.23                            | -50.64                              | 1,319.91                        | 1,137.70                         | 182.21                    | 7.244                     |           |
| 14,200.00                                                                                       | 9,570.00              | 14,191.68             | 9,570.00              | 97.16                            | 90.90                         | 89.96                 | 4,601.23                            | -51.30                              | 1,319.91                        | 1,134.03                         | 185.88                    | 7.101                     |           |
| 14,300.00                                                                                       | 9,570.00              | 14,291.68             | 9,570.00              | 98.91                            | 92.80                         | 89.96                 | 4,701.23                            | -51.96                              | 1,319.91                        | 1,130.35                         | 189.56                    | 6.963                     |           |
| 14,400.00                                                                                       | 9,570.00              | 14,391.68             | 9,570.00              | 100.66                           | 94.69                         | 89.96                 | 4,801.22                            | -52.63                              | 1,319.91                        | 1,126.67                         | 193.24                    | 6.830                     |           |
| 14,500.00                                                                                       | 9,570.00              | 14,491.68             | 9,570.00              | 102.42                           | 96.59                         | 89.96                 | 4,901.22                            | -53.29                              | 1,319.91                        | 1,122.99                         | 196.92                    | 6.703                     |           |
| 14,600.00                                                                                       | 9,570.00              | 14,591.68             | 9,570.00              | 104.19                           | 98.49                         | 89.96                 | 5,001.22                            | -53.95                              | 1,319.91                        | 1,119.30                         | 200.62                    | 6.579                     |           |
| 14,700.00                                                                                       | 9,570.00              | 14,691.68             | 9,570.00              | 105.96                           | 100.39                        | 89.96                 | 5,101.22                            | -54.62                              | 1,319.91                        | 1,115.60                         | 204.31                    | 6.460                     |           |
| 14,800.00                                                                                       | 9,570.00              | 14,791.68             | 9,570.00              | 107.73                           | 102.29                        | 89.96                 | 5,201.21                            | -55.28                              | 1,319.91                        | 1,111.90                         | 208.01                    | 6.345                     |           |
| 14,900.00                                                                                       | 9,570.00              | 14,891.68             | 9,570.00              | 109.51                           | 104.19                        | 89.96                 | 5,301.21                            | -55.94                              | 1,319.91                        | 1,108.19                         | 211.72                    | 6.234                     |           |
| 15,000.00                                                                                       | 9,570.00              | 14,991.68             | 9,570.00              | 111.30                           | 106.09                        | 89.96                 | 5,401.21                            | -56.61                              | 1,319.91                        | 1,104.48                         | 215.43                    | 6.127                     |           |
| 15,100.00                                                                                       | 9,570.00              | 15,091.68             | 9,570.00              | 113.09                           | 107.99                        | 89.96                 | 5,501.21                            | -57.27                              | 1,319.91                        | 1,100.77                         | 219.14                    | 6.023                     |           |
| 15,200.00                                                                                       | 9,570.00              | 15,191.68             | 9,570.00              | 114.88                           | 109.89                        | 89.96                 | 5,601.21                            | -57.93                              | 1,319.91                        | 1,097.05                         | 222.86                    | 5.923                     |           |
| 15,300.00                                                                                       | 9,570.00              | 15,291.68             | 9,570.00              | 116.67                           | 111.79                        | 89.96                 | 5,701.20                            | -58.59                              | 1,319.91                        | 1,093.33                         | 226.58                    | 5.825                     |           |
| 15,400.00                                                                                       | 9,570.00              | 15,391.68             | 9,570.00              | 118.47                           | 113.69                        | 89.96                 | 5,801.20                            | -59.26                              | 1,319.91                        | 1,089.61                         | 230.30                    | 5.731                     |           |
| 15,500.00                                                                                       | 9,570.00              | 15,491.68             | 9,570.00              | 120.27                           | 115.60                        | 89.96                 | 5,901.20                            | -59.92                              | 1,319.91                        | 1,085.88                         | 234.03                    | 5.640                     |           |
| 15,600.00                                                                                       | 9,570.00              | 15,591.68             | 9,570.00              | 122.08                           | 117.50                        | 89.96                 | 6,001.20                            | -60.58                              | 1,319.91                        | 1,082.15                         | 237.76                    | 5.551                     |           |
| 15,700.00                                                                                       | 9,570.00              | 15,691.68             | 9,570.00              | 123.89                           | 119.40                        | 89.96                 | 6,101.19                            | -61.25                              | 1,319.91                        | 1,078.41                         | 241.50                    | 5.466                     |           |
| 15,800.00                                                                                       | 9,570.00              | 15,791.68             | 9,570.00              | 125.70                           | 121.31                        | 89.96                 | 6,201.19                            | -61.91                              | 1,319.91                        | 1,074.68                         | 245.23                    | 5.382                     |           |
| 15,900.00                                                                                       | 9,570.00              | 15,891.68             | 9,570.00              | 127.51                           | 123.21                        | 89.96                 | 6,301.19                            | -62.57                              | 1,319.91                        | 1,070.94                         | 248.97                    | 5.301                     |           |
| 16,000.00                                                                                       | 9,570.00              | 15,991.68             | 9,570.00              | 129.33                           | 125.12                        | 89.96                 | 6,401.19                            | -63.24                              | 1,319.91                        | 1,067.19                         | 252.72                    | 5.223                     |           |
| 16,100.00                                                                                       | 9,570.00              | 16,091.68             | 9,570.00              | 131.15                           | 127.02                        | 89.96                 | 6,501.19                            | -63.90                              | 1,319.91                        | 1,063.45                         | 256.46                    | 5.147                     |           |
| 16,200.00                                                                                       | 9,570.00              | 16,191.68             | 9,570.00              | 132.97                           | 128.92                        | 89.96                 | 6,601.18                            | -64.56                              | 1,319.91                        | 1,059.70                         | 260.21                    | 5.073                     |           |
| 16,300.00                                                                                       | 9,570.00              | 16,291.68             | 9,570.00              | 134.79                           | 130.83                        | 89.96                 | 6,701.18                            | -65.23                              | 1,319.91                        | 1,055.95                         | 263.96                    | 5.000                     |           |
| 16,400.00                                                                                       | 9,570.00              | 16,391.68             | 9,570.00              | 136.62                           | 132.74                        | 89.96                 | 6,801.18                            | -65.89                              | 1,319.91                        | 1,052.20                         | 267.71                    | 4.930                     |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 305H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 16,500.00                                                                                       | 9,570.00                     | 16,491.68                    | 9,570.00                     | 138.45                  | 134.64               | 89.96                        | 6,901.18                      | -66.55              | 1,319.91                      | 1,048.45                       | 271.46                           | 4.862                    |                                     |
| 16,600.00                                                                                       | 9,570.00                     | 16,591.68                    | 9,570.00                     | 140.28                  | 136.55               | 89.96                        | 7,001.17                      | -67.22              | 1,319.91                      | 1,044.69                       | 275.22                           | 4.796                    |                                     |
| 16,700.00                                                                                       | 9,570.00                     | 16,691.68                    | 9,570.00                     | 142.11                  | 138.45               | 89.96                        | 7,101.17                      | -67.88              | 1,319.91                      | 1,040.93                       | 278.98                           | 4.731                    |                                     |
| 16,800.00                                                                                       | 9,570.00                     | 16,791.68                    | 9,570.00                     | 143.95                  | 140.36               | 89.96                        | 7,201.17                      | -68.54              | 1,319.91                      | 1,037.17                       | 282.74                           | 4.668                    |                                     |
| 16,900.00                                                                                       | 9,570.00                     | 16,891.68                    | 9,570.00                     | 145.79                  | 142.27               | 89.96                        | 7,301.17                      | -69.21              | 1,319.91                      | 1,033.41                       | 286.50                           | 4.607                    |                                     |
| 17,000.00                                                                                       | 9,570.00                     | 16,991.68                    | 9,570.00                     | 147.63                  | 144.17               | 89.96                        | 7,401.17                      | -69.87              | 1,319.91                      | 1,029.65                       | 290.26                           | 4.547                    |                                     |
| 17,100.00                                                                                       | 9,570.00                     | 17,091.68                    | 9,570.00                     | 149.47                  | 146.08               | 89.96                        | 7,501.16                      | -70.53              | 1,319.91                      | 1,025.89                       | 294.03                           | 4.489                    |                                     |
| 17,200.00                                                                                       | 9,570.00                     | 17,191.68                    | 9,570.00                     | 151.31                  | 147.99               | 89.96                        | 7,601.16                      | -71.20              | 1,319.91                      | 1,022.12                       | 297.79                           | 4.432                    |                                     |
| 17,300.00                                                                                       | 9,570.00                     | 17,291.68                    | 9,570.00                     | 153.15                  | 149.90               | 89.96                        | 7,701.16                      | -71.86              | 1,319.91                      | 1,018.35                       | 301.56                           | 4.377                    |                                     |
| 17,400.00                                                                                       | 9,570.00                     | 17,391.68                    | 9,570.00                     | 155.00                  | 151.80               | 89.96                        | 7,801.16                      | -72.52              | 1,319.91                      | 1,014.58                       | 305.33                           | 4.323                    |                                     |
| 17,500.00                                                                                       | 9,570.00                     | 17,491.68                    | 9,570.00                     | 156.85                  | 153.71               | 89.96                        | 7,901.15                      | -73.19              | 1,319.91                      | 1,010.81                       | 309.10                           | 4.270                    |                                     |
| 17,600.00                                                                                       | 9,570.00                     | 17,591.68                    | 9,570.00                     | 158.70                  | 155.62               | 89.96                        | 8,001.15                      | -73.85              | 1,319.91                      | 1,007.04                       | 312.87                           | 4.219                    |                                     |
| 17,700.00                                                                                       | 9,570.00                     | 17,691.68                    | 9,570.00                     | 160.55                  | 157.53               | 89.96                        | 8,101.15                      | -74.51              | 1,319.91                      | 1,003.26                       | 316.65                           | 4.168                    |                                     |
| 17,800.00                                                                                       | 9,570.00                     | 17,791.68                    | 9,570.00                     | 162.40                  | 159.43               | 89.96                        | 8,201.15                      | -75.18              | 1,319.91                      | 999.49                         | 320.42                           | 4.119                    |                                     |
| 17,900.00                                                                                       | 9,570.00                     | 17,891.68                    | 9,570.00                     | 164.25                  | 161.34               | 89.96                        | 8,301.15                      | -75.84              | 1,319.91                      | 995.71                         | 324.20                           | 4.071                    |                                     |
| 18,000.00                                                                                       | 9,570.00                     | 17,991.68                    | 9,570.00                     | 166.11                  | 163.25               | 89.96                        | 8,401.14                      | -76.50              | 1,319.91                      | 991.94                         | 327.98                           | 4.024                    |                                     |
| 18,100.00                                                                                       | 9,570.00                     | 18,091.68                    | 9,570.00                     | 167.96                  | 165.16               | 89.96                        | 8,501.14                      | -77.17              | 1,319.91                      | 988.16                         | 331.75                           | 3.979                    |                                     |
| 18,200.00                                                                                       | 9,570.00                     | 18,191.68                    | 9,570.00                     | 169.82                  | 167.07               | 89.96                        | 8,601.14                      | -77.83              | 1,319.91                      | 984.38                         | 335.53                           | 3.934                    |                                     |
| 18,300.00                                                                                       | 9,570.00                     | 18,291.68                    | 9,570.00                     | 171.68                  | 168.98               | 89.96                        | 8,701.14                      | -78.49              | 1,319.91                      | 980.60                         | 339.31                           | 3.890                    |                                     |
| 18,400.00                                                                                       | 9,570.00                     | 18,391.68                    | 9,570.00                     | 173.54                  | 170.89               | 89.96                        | 8,801.13                      | -79.15              | 1,319.91                      | 976.82                         | 343.10                           | 3.847                    |                                     |
| 18,500.00                                                                                       | 9,570.00                     | 18,491.68                    | 9,570.00                     | 175.40                  | 172.80               | 89.96                        | 8,901.13                      | -79.82              | 1,319.91                      | 973.03                         | 346.88                           | 3.805                    |                                     |
| 18,600.00                                                                                       | 9,570.00                     | 18,591.68                    | 9,570.00                     | 177.26                  | 174.71               | 89.96                        | 9,001.13                      | -80.48              | 1,319.91                      | 969.25                         | 350.66                           | 3.764                    |                                     |
| 18,700.00                                                                                       | 9,570.00                     | 18,691.68                    | 9,570.00                     | 179.12                  | 176.61               | 89.96                        | 9,101.13                      | -81.14              | 1,319.91                      | 965.46                         | 354.45                           | 3.724                    |                                     |
| 18,800.00                                                                                       | 9,570.00                     | 18,791.68                    | 9,570.00                     | 180.99                  | 178.52               | 89.96                        | 9,201.13                      | -81.81              | 1,319.91                      | 961.68                         | 358.23                           | 3.685                    |                                     |
| 18,900.00                                                                                       | 9,570.00                     | 18,891.68                    | 9,570.00                     | 182.85                  | 180.43               | 89.96                        | 9,301.12                      | -82.47              | 1,319.91                      | 957.89                         | 362.02                           | 3.646                    |                                     |
| 19,000.00                                                                                       | 9,570.00                     | 18,991.68                    | 9,570.00                     | 184.72                  | 182.34               | 89.96                        | 9,401.12                      | -83.13              | 1,319.91                      | 954.10                         | 365.81                           | 3.608                    |                                     |
| 19,100.00                                                                                       | 9,570.00                     | 19,091.68                    | 9,570.00                     | 186.59                  | 184.25               | 89.96                        | 9,501.12                      | -83.80              | 1,319.91                      | 950.32                         | 369.60                           | 3.571                    |                                     |
| 19,200.00                                                                                       | 9,570.00                     | 19,191.68                    | 9,570.00                     | 188.45                  | 186.16               | 89.96                        | 9,601.12                      | -84.46              | 1,319.91                      | 946.53                         | 373.38                           | 3.535                    |                                     |
| 19,300.00                                                                                       | 9,570.00                     | 19,291.68                    | 9,570.00                     | 190.32                  | 188.07               | 89.96                        | 9,701.12                      | -85.12              | 1,319.91                      | 942.74                         | 377.17                           | 3.499                    |                                     |
| 19,400.00                                                                                       | 9,570.00                     | 19,391.68                    | 9,570.00                     | 192.19                  | 189.98               | 89.96                        | 9,801.11                      | -85.79              | 1,319.91                      | 938.95                         | 380.97                           | 3.465                    |                                     |
| 19,500.00                                                                                       | 9,570.00                     | 19,491.68                    | 9,570.00                     | 194.06                  | 191.89               | 89.96                        | 9,901.11                      | -86.45              | 1,319.91                      | 935.15                         | 384.76                           | 3.431                    |                                     |
| 19,600.00                                                                                       | 9,570.00                     | 19,591.68                    | 9,570.00                     | 195.93                  | 193.80               | 89.96                        | 10,001.11                     | -87.11              | 1,319.91                      | 931.36                         | 388.55                           | 3.397                    |                                     |
| 19,700.00                                                                                       | 9,570.00                     | 19,691.68                    | 9,570.00                     | 197.81                  | 195.71               | 89.96                        | 10,101.11                     | -87.78              | 1,319.91                      | 927.57                         | 392.34                           | 3.364                    |                                     |
| 19,763.56                                                                                       | 9,570.00                     | 19,755.23                    | 9,570.00                     | 198.92                  | 196.93               | 89.96                        | 10,164.66                     | -88.20              | 1,319.91                      | 925.26                         | 394.65                           | 3.344                    |                                     |
| 19,796.75                                                                                       | 9,570.00                     | 19,785.67                    | 9,570.00                     | 199.50                  | 197.51               | 89.96                        | 10,195.10                     | -88.40              | 1,319.91                      | 924.16                         | 395.76                           | 3.335 SF                 |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                           |                |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 403H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  | <b>Offset Well Error:</b> | 0.50 usft      |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                           |                |
| 16,400.00                                                                                       | 9,570.00                     | 16,403.82                    | 9,570.00                     | 136.62                  | 131.65               | 89.87                        | 6,810.00                      | 1,264.49            | 2,650.33                      | 2,383.78                       | 266.55                           | 9.943                     |                |
| 16,500.00                                                                                       | 9,570.00                     | 16,503.82                    | 9,570.00                     | 138.45                  | 133.55               | 89.87                        | 6,910.00                      | 1,263.83            | 2,650.33                      | 2,380.04                       | 270.29                           | 9.805                     |                |
| 16,600.00                                                                                       | 9,570.00                     | 16,603.82                    | 9,570.00                     | 140.28                  | 135.45               | 89.87                        | 7,010.00                      | 1,263.17            | 2,650.33                      | 2,376.29                       | 274.05                           | 9.671                     |                |
| 16,700.00                                                                                       | 9,570.00                     | 16,703.82                    | 9,570.00                     | 142.11                  | 137.35               | 89.87                        | 7,110.00                      | 1,262.50            | 2,650.33                      | 2,372.53                       | 277.80                           | 9.541                     |                |
| 16,800.00                                                                                       | 9,570.00                     | 16,803.82                    | 9,570.00                     | 143.95                  | 139.25               | 89.87                        | 7,209.99                      | 1,261.84            | 2,650.33                      | 2,368.78                       | 281.55                           | 9.413                     |                |
| 16,900.00                                                                                       | 9,570.00                     | 16,903.82                    | 9,570.00                     | 145.79                  | 141.15               | 89.87                        | 7,309.99                      | 1,261.18            | 2,650.33                      | 2,365.02                       | 285.31                           | 9.289                     |                |
| 17,000.00                                                                                       | 9,570.00                     | 17,003.82                    | 9,570.00                     | 147.63                  | 143.05               | 89.87                        | 7,409.99                      | 1,260.51            | 2,650.33                      | 2,361.26                       | 289.07                           | 9.169                     |                |
| 17,100.00                                                                                       | 9,570.00                     | 17,103.82                    | 9,570.00                     | 149.47                  | 144.95               | 89.87                        | 7,509.99                      | 1,259.85            | 2,650.33                      | 2,357.50                       | 292.83                           | 9.051                     |                |
| 17,200.00                                                                                       | 9,570.00                     | 17,203.82                    | 9,570.00                     | 151.31                  | 146.85               | 89.87                        | 7,609.98                      | 1,259.19            | 2,650.33                      | 2,353.74                       | 296.59                           | 8.936                     |                |
| 17,300.00                                                                                       | 9,570.00                     | 17,303.82                    | 9,570.00                     | 153.15                  | 148.76               | 89.87                        | 7,709.98                      | 1,258.53            | 2,650.33                      | 2,349.98                       | 300.35                           | 8.824                     |                |
| 17,400.00                                                                                       | 9,570.00                     | 17,403.82                    | 9,570.00                     | 155.00                  | 150.66               | 89.87                        | 7,809.98                      | 1,257.86            | 2,650.33                      | 2,346.21                       | 304.12                           | 8.715                     |                |
| 17,500.00                                                                                       | 9,570.00                     | 17,503.82                    | 9,570.00                     | 156.85                  | 152.56               | 89.87                        | 7,909.98                      | 1,257.20            | 2,650.33                      | 2,342.45                       | 307.88                           | 8.608                     |                |
| 17,600.00                                                                                       | 9,570.00                     | 17,603.82                    | 9,570.00                     | 158.70                  | 154.47               | 89.87                        | 8,009.98                      | 1,256.54            | 2,650.33                      | 2,338.68                       | 311.65                           | 8.504                     |                |
| 17,700.00                                                                                       | 9,570.00                     | 17,703.82                    | 9,570.00                     | 160.55                  | 156.37               | 89.87                        | 8,109.97                      | 1,255.87            | 2,650.33                      | 2,334.91                       | 315.42                           | 8.402                     |                |
| 17,800.00                                                                                       | 9,570.00                     | 17,803.82                    | 9,570.00                     | 162.40                  | 158.27               | 89.87                        | 8,209.97                      | 1,255.21            | 2,650.33                      | 2,331.14                       | 319.19                           | 8.303                     |                |
| 17,900.00                                                                                       | 9,570.00                     | 17,903.82                    | 9,570.00                     | 164.25                  | 160.18               | 89.87                        | 8,309.97                      | 1,254.55            | 2,650.33                      | 2,327.37                       | 322.97                           | 8.206                     |                |
| 18,000.00                                                                                       | 9,570.00                     | 18,003.82                    | 9,570.00                     | 166.11                  | 162.08               | 89.87                        | 8,409.97                      | 1,253.88            | 2,650.33                      | 2,323.59                       | 326.74                           | 8.111                     |                |
| 18,100.00                                                                                       | 9,570.00                     | 18,103.82                    | 9,570.00                     | 167.96                  | 163.99               | 89.87                        | 8,509.97                      | 1,253.22            | 2,650.33                      | 2,319.82                       | 330.51                           | 8.019                     |                |
| 18,200.00                                                                                       | 9,570.00                     | 18,203.82                    | 9,570.00                     | 169.82                  | 165.89               | 89.87                        | 8,609.96                      | 1,252.56            | 2,650.33                      | 2,316.04                       | 334.29                           | 7.928                     |                |
| 18,300.00                                                                                       | 9,570.00                     | 18,303.82                    | 9,570.00                     | 171.68                  | 167.79               | 89.87                        | 8,709.96                      | 1,251.89            | 2,650.33                      | 2,312.26                       | 338.07                           | 7.840                     |                |
| 18,400.00                                                                                       | 9,570.00                     | 18,403.82                    | 9,570.00                     | 173.54                  | 169.70               | 89.87                        | 8,809.96                      | 1,251.23            | 2,650.33                      | 2,308.49                       | 341.85                           | 7.753                     |                |
| 18,500.00                                                                                       | 9,570.00                     | 18,503.82                    | 9,570.00                     | 175.40                  | 171.61               | 89.87                        | 8,909.96                      | 1,250.57            | 2,650.33                      | 2,304.71                       | 345.63                           | 7.668                     |                |
| 18,600.00                                                                                       | 9,570.00                     | 18,603.82                    | 9,570.00                     | 177.26                  | 173.51               | 89.87                        | 9,009.95                      | 1,249.90            | 2,650.33                      | 2,300.93                       | 349.41                           | 7.585                     |                |
| 18,700.00                                                                                       | 9,570.00                     | 18,703.82                    | 9,570.00                     | 179.12                  | 175.42               | 89.87                        | 9,109.95                      | 1,249.24            | 2,650.33                      | 2,297.14                       | 353.19                           | 7.504                     |                |
| 18,800.00                                                                                       | 9,570.00                     | 18,803.82                    | 9,570.00                     | 180.99                  | 177.32               | 89.87                        | 9,209.95                      | 1,248.58            | 2,650.33                      | 2,293.36                       | 356.97                           | 7.425                     |                |
| 18,900.00                                                                                       | 9,570.00                     | 18,903.82                    | 9,570.00                     | 182.85                  | 179.23               | 89.87                        | 9,309.95                      | 1,247.91            | 2,650.33                      | 2,289.58                       | 360.75                           | 7.347                     |                |
| 19,000.00                                                                                       | 9,570.00                     | 19,003.82                    | 9,570.00                     | 184.72                  | 181.13               | 89.87                        | 9,409.95                      | 1,247.25            | 2,650.33                      | 2,285.79                       | 364.54                           | 7.270                     |                |
| 19,100.00                                                                                       | 9,570.00                     | 19,103.82                    | 9,570.00                     | 186.59                  | 183.04               | 89.87                        | 9,509.94                      | 1,246.59            | 2,650.33                      | 2,282.01                       | 368.32                           | 7.196                     |                |
| 19,200.00                                                                                       | 9,570.00                     | 19,203.82                    | 9,570.00                     | 188.45                  | 184.95               | 89.87                        | 9,609.94                      | 1,245.92            | 2,650.33                      | 2,278.22                       | 372.11                           | 7.122                     |                |
| 19,300.00                                                                                       | 9,570.00                     | 19,303.82                    | 9,570.00                     | 190.32                  | 186.85               | 89.87                        | 9,709.94                      | 1,245.26            | 2,650.33                      | 2,274.43                       | 375.90                           | 7.051                     |                |
| 19,400.00                                                                                       | 9,570.00                     | 19,403.82                    | 9,570.00                     | 192.19                  | 188.76               | 89.87                        | 9,809.94                      | 1,244.60            | 2,650.33                      | 2,270.65                       | 379.68                           | 6.980                     |                |
| 19,500.00                                                                                       | 9,570.00                     | 19,503.82                    | 9,570.00                     | 194.06                  | 190.67               | 89.87                        | 9,909.93                      | 1,243.93            | 2,650.33                      | 2,266.86                       | 383.47                           | 6.911                     |                |
| 19,600.00                                                                                       | 9,570.00                     | 19,603.82                    | 9,570.00                     | 195.93                  | 192.58               | 89.87                        | 10,009.93                     | 1,243.27            | 2,650.33                      | 2,263.07                       | 387.26                           | 6.844                     |                |
| 19,700.00                                                                                       | 9,570.00                     | 19,703.82                    | 9,570.00                     | 197.81                  | 194.48               | 89.87                        | 10,109.93                     | 1,242.61            | 2,650.33                      | 2,259.28                       | 391.05                           | 6.777                     |                |
| 19,714.34                                                                                       | 9,570.00                     | 19,718.16                    | 9,570.00                     | 198.06                  | 194.76               | 89.87                        | 10,124.27                     | 1,242.51            | 2,650.33                      | 2,258.76                       | 391.57                           | 6.768 CC                  |                |
| 19,796.75                                                                                       | 9,570.00                     | 19,795.49                    | 9,570.00                     | 199.50                  | 196.23               | 89.87                        | 10,201.60                     | 1,242.00            | 2,650.34                      | 2,255.91                       | 394.42                           | 6.720 ES, SF              |                |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 501H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 17,000.00                                                                                       | 9,570.00                     | 17,901.07                    | 10,470.00                    | 147.63                  | 143.15               | 108.64                       | 7,409.99                      | 1,260.51            | 2,797.04                      | 2,514.52                       | 282.52                           | 9.900                    |                                     |
| 17,100.00                                                                                       | 9,570.00                     | 18,001.07                    | 10,470.00                    | 149.47                  | 145.06               | 108.64                       | 7,509.99                      | 1,259.85            | 2,797.04                      | 2,510.93                       | 286.11                           | 9.776                    |                                     |
| 17,200.00                                                                                       | 9,570.00                     | 18,101.07                    | 10,470.00                    | 151.31                  | 146.96               | 108.64                       | 7,609.98                      | 1,259.19            | 2,797.04                      | 2,507.34                       | 289.71                           | 9.655                    |                                     |
| 17,300.00                                                                                       | 9,570.00                     | 18,201.07                    | 10,470.00                    | 153.15                  | 148.86               | 108.64                       | 7,709.98                      | 1,258.53            | 2,797.04                      | 2,503.74                       | 293.30                           | 9.536                    |                                     |
| 17,400.00                                                                                       | 9,570.00                     | 18,301.07                    | 10,470.00                    | 155.00                  | 150.76               | 108.64                       | 7,809.98                      | 1,257.86            | 2,797.04                      | 2,500.14                       | 296.90                           | 9.421                    |                                     |
| 17,500.00                                                                                       | 9,570.00                     | 18,401.07                    | 10,470.00                    | 156.85                  | 152.67               | 108.64                       | 7,909.98                      | 1,257.20            | 2,797.04                      | 2,496.54                       | 300.50                           | 9.308 CC                 |                                     |
| 17,600.00                                                                                       | 9,570.00                     | 18,501.07                    | 10,470.00                    | 158.70                  | 154.57               | 108.64                       | 8,009.98                      | 1,256.54            | 2,797.04                      | 2,492.94                       | 304.10                           | 9.198                    |                                     |
| 17,700.00                                                                                       | 9,570.00                     | 18,601.07                    | 10,470.00                    | 160.55                  | 156.47               | 108.64                       | 8,109.97                      | 1,255.87            | 2,797.04                      | 2,489.34                       | 307.70                           | 9.090                    |                                     |
| 17,800.00                                                                                       | 9,570.00                     | 18,701.07                    | 10,470.00                    | 162.40                  | 158.38               | 108.64                       | 8,209.97                      | 1,255.21            | 2,797.04                      | 2,485.74                       | 311.31                           | 8.985                    |                                     |
| 17,900.00                                                                                       | 9,570.00                     | 18,801.07                    | 10,470.00                    | 164.25                  | 160.28               | 108.64                       | 8,309.97                      | 1,254.55            | 2,797.04                      | 2,482.13                       | 314.91                           | 8.882                    |                                     |
| 18,000.00                                                                                       | 9,570.00                     | 18,901.07                    | 10,470.00                    | 166.11                  | 162.19               | 108.64                       | 8,409.97                      | 1,253.88            | 2,797.04                      | 2,478.53                       | 318.52                           | 8.781                    |                                     |
| 18,100.00                                                                                       | 9,570.00                     | 19,001.07                    | 10,470.00                    | 167.96                  | 164.09               | 108.64                       | 8,509.97                      | 1,253.22            | 2,797.04                      | 2,474.92                       | 322.13                           | 8.683                    |                                     |
| 18,200.00                                                                                       | 9,570.00                     | 19,101.07                    | 10,470.00                    | 169.82                  | 166.00               | 108.64                       | 8,609.96                      | 1,252.56            | 2,797.04                      | 2,471.31                       | 325.73                           | 8.587                    |                                     |
| 18,300.00                                                                                       | 9,570.00                     | 19,201.07                    | 10,470.00                    | 171.68                  | 167.90               | 108.64                       | 8,709.96                      | 1,251.89            | 2,797.04                      | 2,467.70                       | 329.34                           | 8.493                    |                                     |
| 18,400.00                                                                                       | 9,570.00                     | 19,301.07                    | 10,470.00                    | 173.54                  | 169.81               | 108.64                       | 8,809.96                      | 1,251.23            | 2,797.04                      | 2,464.09                       | 332.95                           | 8.401                    |                                     |
| 18,500.00                                                                                       | 9,570.00                     | 19,401.07                    | 10,470.00                    | 175.40                  | 171.71               | 108.64                       | 8,909.96                      | 1,250.57            | 2,797.04                      | 2,460.48                       | 336.57                           | 8.311                    |                                     |
| 18,600.00                                                                                       | 9,570.00                     | 19,501.07                    | 10,470.00                    | 177.26                  | 173.62               | 108.64                       | 9,009.95                      | 1,249.90            | 2,797.04                      | 2,456.87                       | 340.18                           | 8.222                    |                                     |
| 18,700.00                                                                                       | 9,570.00                     | 19,601.07                    | 10,470.00                    | 179.12                  | 175.53               | 108.64                       | 9,109.95                      | 1,249.24            | 2,797.04                      | 2,453.25                       | 343.79                           | 8.136                    |                                     |
| 18,800.00                                                                                       | 9,570.00                     | 19,701.07                    | 10,470.00                    | 180.99                  | 177.43               | 108.64                       | 9,209.95                      | 1,248.58            | 2,797.04                      | 2,449.64                       | 347.41                           | 8.051                    |                                     |
| 18,900.00                                                                                       | 9,570.00                     | 19,801.07                    | 10,470.00                    | 182.85                  | 179.34               | 108.64                       | 9,309.95                      | 1,247.91            | 2,797.04                      | 2,446.02                       | 351.02                           | 7.968                    |                                     |
| 19,000.00                                                                                       | 9,570.00                     | 19,901.07                    | 10,470.00                    | 184.72                  | 181.24               | 108.64                       | 9,409.95                      | 1,247.25            | 2,797.04                      | 2,442.40                       | 354.64                           | 7.887                    |                                     |
| 19,100.00                                                                                       | 9,570.00                     | 20,001.07                    | 10,470.00                    | 186.59                  | 183.15               | 108.64                       | 9,509.94                      | 1,246.59            | 2,797.04                      | 2,438.79                       | 358.26                           | 7.807                    |                                     |
| 19,200.00                                                                                       | 9,570.00                     | 20,101.07                    | 10,470.00                    | 188.45                  | 185.06               | 108.64                       | 9,609.94                      | 1,245.92            | 2,797.04                      | 2,435.17                       | 361.88                           | 7.729                    |                                     |
| 19,300.00                                                                                       | 9,570.00                     | 20,201.07                    | 10,470.00                    | 190.32                  | 186.97               | 108.64                       | 9,709.94                      | 1,245.26            | 2,797.04                      | 2,431.55                       | 365.50                           | 7.653                    |                                     |
| 19,400.00                                                                                       | 9,570.00                     | 20,301.07                    | 10,470.00                    | 192.19                  | 188.87               | 108.64                       | 9,809.94                      | 1,244.60            | 2,797.04                      | 2,427.93                       | 369.12                           | 7.578                    |                                     |
| 19,500.00                                                                                       | 9,570.00                     | 20,401.07                    | 10,470.00                    | 194.06                  | 190.78               | 108.64                       | 9,909.93                      | 1,243.93            | 2,797.04                      | 2,424.31                       | 372.74                           | 7.504                    |                                     |
| 19,600.00                                                                                       | 9,570.00                     | 20,501.07                    | 10,470.00                    | 195.93                  | 192.69               | 108.64                       | 10,009.93                     | 1,243.27            | 2,797.04                      | 2,420.68                       | 376.36                           | 7.432                    |                                     |
| 19,700.00                                                                                       | 9,570.00                     | 20,601.07                    | 10,470.00                    | 197.81                  | 194.59               | 108.64                       | 10,109.93                     | 1,242.61            | 2,797.04                      | 2,417.06                       | 379.98                           | 7.361                    |                                     |
| 19,714.34                                                                                       | 9,570.00                     | 20,615.41                    | 10,470.00                    | 198.06                  | 194.87               | 108.64                       | 10,124.27                     | 1,242.51            | 2,797.04                      | 2,416.57                       | 380.48                           | 7.351                    |                                     |
| 19,796.75                                                                                       | 9,570.00                     | 20,692.74                    | 10,470.00                    | 199.50                  | 196.34               | 108.64                       | 10,201.60                     | 1,242.00            | 2,797.05                      | 2,413.88                       | 383.17                           | 7.300 ES, SF             |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 505H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 0.00                                                                                            | 0.00                         | 0.00                         | 0.00                         | 0.50                    | 0.50                 | 89.62                        | 0.20                          | 30.00               | 30.00                         |                                |                                  |                          |                                     |
| 100.00                                                                                          | 100.00                       | 100.00                       | 100.00                       | 0.64                    | 0.64                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 28.71                          | 1.29                             | 23.296                   |                                     |
| 200.00                                                                                          | 200.00                       | 200.00                       | 200.00                       | 1.34                    | 1.34                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 27.33                          | 2.67                             | 11.217                   |                                     |
| 300.00                                                                                          | 300.00                       | 300.00                       | 300.00                       | 1.81                    | 1.81                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 26.38                          | 3.62                             | 8.294                    |                                     |
| 400.00                                                                                          | 400.00                       | 400.00                       | 400.00                       | 2.18                    | 2.18                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 25.63                          | 4.37                             | 6.870                    |                                     |
| 500.00                                                                                          | 500.00                       | 500.00                       | 500.00                       | 2.51                    | 2.51                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 24.99                          | 5.01                             | 5.987                    |                                     |
| 600.00                                                                                          | 600.00                       | 600.00                       | 600.00                       | 2.79                    | 2.79                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 24.42                          | 5.59                             | 5.371                    |                                     |
| 700.00                                                                                          | 700.00                       | 700.00                       | 700.00                       | 3.06                    | 3.06                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 23.89                          | 6.11                             | 4.909                    |                                     |
| 800.00                                                                                          | 800.00                       | 800.00                       | 800.00                       | 3.30                    | 3.30                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 23.40                          | 6.60                             | 4.547                    |                                     |
| 900.00                                                                                          | 900.00                       | 900.00                       | 900.00                       | 3.53                    | 3.53                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 22.94                          | 7.06                             | 4.252                    |                                     |
| 1,000.00                                                                                        | 1,000.00                     | 1,000.00                     | 1,000.00                     | 3.74                    | 3.74                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 22.51                          | 7.49                             | 4.006                    |                                     |
| 1,100.00                                                                                        | 1,100.00                     | 1,100.00                     | 1,100.00                     | 3.95                    | 3.95                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 22.10                          | 7.90                             | 3.796                    |                                     |
| 1,200.00                                                                                        | 1,200.00                     | 1,200.00                     | 1,200.00                     | 4.15                    | 4.15                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 21.70                          | 8.30                             | 3.615                    |                                     |
| 1,300.00                                                                                        | 1,300.00                     | 1,300.00                     | 1,300.00                     | 4.34                    | 4.34                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 21.32                          | 8.68                             | 3.457                    |                                     |
| 1,400.00                                                                                        | 1,400.00                     | 1,400.00                     | 1,400.00                     | 4.52                    | 4.52                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 20.95                          | 9.05                             | 3.316                    |                                     |
| 1,500.00                                                                                        | 1,500.00                     | 1,500.00                     | 1,500.00                     | 4.70                    | 4.70                 | 89.62                        | 0.20                          | 30.00               | 30.00                         | 20.60                          | 9.40                             | 3.191 CC, ES             |                                     |
| 1,600.00                                                                                        | 1,599.99                     | 1,600.26                     | 1,600.26                     | 4.85                    | 4.82                 | -175.07                      | -0.56                         | 29.56               | 30.43                         | 20.77                          | 9.67                             | 3.149 SF                 |                                     |
| 1,700.00                                                                                        | 1,699.96                     | 1,700.48                     | 1,700.44                     | 5.01                    | 4.97                 | -171.34                      | -2.83                         | 28.24               | 31.83                         | 21.86                          | 9.96                             | 3.194                    |                                     |
| 1,800.00                                                                                        | 1,799.86                     | 1,800.62                     | 1,800.48                     | 5.19                    | 5.14                 | -165.84                      | -6.62                         | 26.04               | 34.42                         | 24.14                          | 10.28                            | 3.349                    |                                     |
| 1,900.00                                                                                        | 1,899.68                     | 1,900.64                     | 1,900.31                     | 5.39                    | 5.32                 | -159.48                      | -11.90                        | 22.96               | 38.48                         | 27.88                          | 10.60                            | 3.631                    |                                     |
| 2,000.00                                                                                        | 1,999.37                     | 2,000.50                     | 1,999.86                     | 5.61                    | 5.53                 | -153.11                      | -18.69                        | 19.02               | 44.24                         | 33.31                          | 10.93                            | 4.048                    |                                     |
| 2,100.00                                                                                        | 2,098.90                     | 2,100.16                     | 2,099.06                     | 5.85                    | 5.76                 | -147.33                      | -26.95                        | 14.22               | 51.83                         | 40.55                          | 11.27                            | 4.598                    |                                     |
| 2,200.00                                                                                        | 2,198.26                     | 2,199.58                     | 2,197.84                     | 6.11                    | 6.02                 | -142.40                      | -36.68                        | 8.56                | 61.27                         | 49.64                          | 11.63                            | 5.269                    |                                     |
| 2,300.00                                                                                        | 2,297.40                     | 2,298.87                     | 2,296.40                     | 6.40                    | 6.29                 | -138.99                      | -47.13                        | 2.48                | 72.44                         | 60.43                          | 12.01                            | 6.032                    |                                     |
| 2,400.00                                                                                        | 2,396.30                     | 2,398.05                     | 2,394.83                     | 6.70                    | 6.57                 | -137.28                      | -57.58                        | -3.59               | 85.06                         | 72.64                          | 12.42                            | 6.848                    |                                     |
| 2,500.00                                                                                        | 2,494.93                     | 2,497.07                     | 2,493.12                     | 7.03                    | 6.87                 | -136.69                      | -68.01                        | -9.66               | 98.98                         | 86.12                          | 12.86                            | 7.697                    |                                     |
| 2,600.00                                                                                        | 2,593.26                     | 2,595.91                     | 2,591.22                     | 7.37                    | 7.18                 | -136.82                      | -78.42                        | -15.71              | 114.16                        | 100.83                         | 13.33                            | 8.565                    |                                     |
| 2,700.00                                                                                        | 2,691.25                     | 2,694.54                     | 2,689.11                     | 7.73                    | 7.50                 | -137.42                      | -88.81                        | -21.75              | 130.61                        | 116.78                         | 13.83                            | 9.444                    |                                     |
| 2,750.22                                                                                        | 2,740.32                     | 2,743.97                     | 2,738.18                     | 7.89                    | 7.66                 | -137.84                      | -94.01                        | -24.78              | 139.36                        | 125.29                         | 14.07                            | 9.906                    |                                     |
| 2,800.00                                                                                        | 2,788.92                     | 2,792.95                     | 2,786.79                     | 8.05                    | 7.83                 | -138.31                      | -99.17                        | -27.77              | 148.20                        | 133.89                         | 14.31                            | 10.359                   |                                     |
| 2,900.00                                                                                        | 2,886.55                     | 2,891.33                     | 2,884.44                     | 8.43                    | 8.16                 | -139.11                      | -109.53                       | -33.80              | 165.98                        | 151.14                         | 14.84                            | 11.182                   |                                     |
| 3,000.00                                                                                        | 2,984.18                     | 2,989.72                     | 2,982.09                     | 8.82                    | 8.50                 | -139.76                      | -119.90                       | -39.82              | 183.79                        | 168.38                         | 15.40                            | 11.931                   |                                     |
| 3,100.00                                                                                        | 3,081.81                     | 3,088.10                     | 3,079.74                     | 9.23                    | 8.85                 | -140.29                      | -130.26                       | -45.85              | 201.62                        | 185.64                         | 15.98                            | 12.618                   |                                     |
| 3,200.00                                                                                        | 3,179.44                     | 3,186.48                     | 3,177.39                     | 9.64                    | 9.20                 | -140.73                      | -140.62                       | -51.87              | 219.46                        | 202.89                         | 16.56                            | 13.249                   |                                     |
| 3,300.00                                                                                        | 3,277.07                     | 3,284.86                     | 3,275.04                     | 10.05                   | 9.56                 | -141.11                      | -150.98                       | -57.90              | 237.31                        | 220.15                         | 17.16                            | 13.831                   |                                     |
| 3,400.00                                                                                        | 3,374.69                     | 3,383.25                     | 3,372.69                     | 10.47                   | 9.92                 | -141.44                      | -161.34                       | -63.92              | 255.17                        | 237.40                         | 17.76                            | 14.366                   |                                     |
| 3,500.00                                                                                        | 3,472.32                     | 3,481.63                     | 3,470.34                     | 10.90                   | 10.29                | -141.72                      | -171.71                       | -69.95              | 273.03                        | 254.66                         | 18.37                            | 14.861                   |                                     |
| 3,600.00                                                                                        | 3,569.95                     | 3,580.01                     | 3,567.99                     | 11.33                   | 10.66                | -141.97                      | -182.07                       | -75.97              | 290.91                        | 271.91                         | 18.99                            | 15.318                   |                                     |
| 3,700.00                                                                                        | 3,667.58                     | 3,678.48                     | 3,665.74                     | 11.76                   | 11.01                | -142.20                      | -192.39                       | -81.97              | 308.78                        | 289.20                         | 19.58                            | 15.770                   |                                     |
| 3,800.00                                                                                        | 3,765.21                     | 3,777.23                     | 3,763.95                     | 12.20                   | 11.40                | -142.72                      | -201.22                       | -87.11              | 326.58                        | 306.39                         | 20.18                            | 16.181                   |                                     |
| 3,900.00                                                                                        | 3,862.84                     | 3,875.81                     | 3,862.23                     | 12.64                   | 11.84                | -143.62                      | -207.85                       | -90.96              | 344.32                        | 323.53                         | 20.80                            | 16.558                   |                                     |
| 4,000.00                                                                                        | 3,960.47                     | 3,974.09                     | 3,960.38                     | 13.09                   | 12.27                | -144.83                      | -212.27                       | -93.53              | 362.11                        | 340.71                         | 21.40                            | 16.922                   |                                     |
| 4,100.00                                                                                        | 4,058.10                     | 4,071.95                     | 4,058.20                     | 13.53                   | 12.63                | -146.30                      | -214.50                       | -94.82              | 380.09                        | 358.10                         | 21.99                            | 17.283                   |                                     |
| 4,200.00                                                                                        | 4,155.72                     | 4,169.48                     | 4,155.72                     | 13.98                   | 12.77                | -147.97                      | -214.80                       | -95.00              | 398.39                        | 375.85                         | 22.54                            | 17.675                   |                                     |
| 4,300.00                                                                                        | 4,253.35                     | 4,267.11                     | 4,253.35                     | 14.43                   | 12.82                | -149.54                      | -214.80                       | -95.00              | 417.01                        | 393.92                         | 23.10                            | 18.054                   |                                     |
| 4,400.00                                                                                        | 4,350.98                     | 4,364.74                     | 4,350.98                     | 14.88                   | 12.87                | -150.97                      | -214.80                       | -95.00              | 435.92                        | 412.25                         | 23.67                            | 18.416                   |                                     |
| 4,500.00                                                                                        | 4,448.61                     | 4,462.37                     | 4,448.61                     | 15.34                   | 12.92                | -152.29                      | -214.80                       | -95.00              | 455.07                        | 430.82                         | 24.25                            | 18.769                   |                                     |
| 4,600.00                                                                                        | 4,546.24                     | 4,559.99                     | 4,546.24                     | 15.79                   | 12.97                | -153.50                      | -214.80                       | -95.00              | 474.44                        | 449.61                         | 24.82                            | 19.113                   |                                     |
| 4,700.00                                                                                        | 4,643.87                     | 4,657.62                     | 4,643.87                     | 16.25                   | 13.03                | -154.61                      | -214.80                       | -95.00              | 493.99                        | 468.59                         | 25.40                            | 19.449                   |                                     |
| 4,800.00                                                                                        | 4,741.50                     | 4,755.25                     | 4,741.50                     | 16.71                   | 13.08                | -155.64                      | -214.80                       | -95.00              | 513.71                        | 487.74                         | 25.98                            | 19.777                   |                                     |
| 4,900.00                                                                                        | 4,839.13                     | 4,852.88                     | 4,839.13                     | 17.17                   | 13.14                | -156.60                      | -214.80                       | -95.00              | 533.59                        | 507.03                         | 26.55                            | 20.097                   |                                     |
| 5,000.00                                                                                        | 4,936.76                     | 4,950.51                     | 4,936.76                     | 17.63                   | 13.19                | -157.49                      | -214.80                       | -95.00              | 553.59                        | 526.46                         | 27.13                            | 20.408                   |                                     |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|----------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 505H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                | <b>Offset Well Error:</b> 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                |                                     |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b> |                                     |
| 5,100.00                                                                                        | 5,034.38                     | 5,048.14                     | 5,034.38                     | 18.09                   | 13.25                | -158.31                      | -214.80             | -95.00              | 573.71                        | 546.01                         | 27.70                            | 20.712                   |                |                                     |
| 5,200.00                                                                                        | 5,132.01                     | 5,145.77                     | 5,132.01                     | 18.55                   | 13.30                | -159.08                      | -214.80             | -95.00              | 593.95                        | 565.67                         | 28.27                            | 21.007                   |                |                                     |
| 5,300.00                                                                                        | 5,229.64                     | 5,243.40                     | 5,229.64                     | 19.01                   | 13.36                | -159.80                      | -214.80             | -95.00              | 614.27                        | 585.43                         | 28.85                            | 21.295                   |                |                                     |
| 5,400.00                                                                                        | 5,327.27                     | 5,341.02                     | 5,327.27                     | 19.48                   | 13.41                | -160.47                      | -214.80             | -95.00              | 634.69                        | 605.27                         | 29.42                            | 21.576                   |                |                                     |
| 5,500.00                                                                                        | 5,424.90                     | 5,438.65                     | 5,424.90                     | 19.94                   | 13.47                | -161.10                      | -214.80             | -95.00              | 655.18                        | 625.20                         | 29.99                            | 21.849                   |                |                                     |
| 5,600.00                                                                                        | 5,522.53                     | 5,536.28                     | 5,522.53                     | 20.41                   | 13.52                | -161.70                      | -214.80             | -95.00              | 675.75                        | 645.19                         | 30.56                            | 22.115                   |                |                                     |
| 5,700.00                                                                                        | 5,620.16                     | 5,633.91                     | 5,620.16                     | 20.87                   | 13.58                | -162.25                      | -214.80             | -95.00              | 696.38                        | 665.26                         | 31.12                            | 22.375                   |                |                                     |
| 5,800.00                                                                                        | 5,717.79                     | 5,731.54                     | 5,717.79                     | 21.34                   | 13.64                | -162.78                      | -214.80             | -95.00              | 717.07                        | 685.38                         | 31.69                            | 22.627                   |                |                                     |
| 5,900.00                                                                                        | 5,815.41                     | 5,829.17                     | 5,815.41                     | 21.81                   | 13.69                | -163.28                      | -214.80             | -95.00              | 737.82                        | 705.56                         | 32.26                            | 22.873                   |                |                                     |
| 6,000.00                                                                                        | 5,913.04                     | 5,926.80                     | 5,913.04                     | 22.28                   | 13.75                | -163.75                      | -214.80             | -95.00              | 758.62                        | 725.79                         | 32.82                            | 23.112                   |                |                                     |
| 6,100.00                                                                                        | 6,010.67                     | 6,024.43                     | 6,010.67                     | 22.75                   | 13.81                | -164.19                      | -214.80             | -95.00              | 779.46                        | 746.07                         | 33.39                            | 23.345                   |                |                                     |
| 6,200.00                                                                                        | 6,108.30                     | 6,122.05                     | 6,108.30                     | 23.22                   | 13.86                | -164.61                      | -214.80             | -95.00              | 800.35                        | 766.39                         | 33.95                            | 23.573                   |                |                                     |
| 6,300.00                                                                                        | 6,205.93                     | 6,219.68                     | 6,205.93                     | 23.68                   | 13.92                | -165.01                      | -214.80             | -95.00              | 821.27                        | 786.76                         | 34.52                            | 23.794                   |                |                                     |
| 6,400.00                                                                                        | 6,303.56                     | 6,317.31                     | 6,303.56                     | 24.16                   | 13.98                | -165.39                      | -214.80             | -95.00              | 842.23                        | 807.16                         | 35.08                            | 24.010                   |                |                                     |
| 6,500.00                                                                                        | 6,401.19                     | 6,414.94                     | 6,401.19                     | 24.63                   | 14.04                | -165.76                      | -214.80             | -95.00              | 863.23                        | 827.59                         | 35.64                            | 24.220                   |                |                                     |
| 6,600.00                                                                                        | 6,498.82                     | 6,512.57                     | 6,498.82                     | 25.10                   | 14.09                | -166.10                      | -214.80             | -95.00              | 884.26                        | 848.05                         | 36.20                            | 24.425                   |                |                                     |
| 6,700.00                                                                                        | 6,596.44                     | 6,610.20                     | 6,596.44                     | 25.57                   | 14.15                | -166.43                      | -214.80             | -95.00              | 905.31                        | 868.55                         | 36.76                            | 24.624                   |                |                                     |
| 6,800.00                                                                                        | 6,694.07                     | 6,707.83                     | 6,694.07                     | 26.04                   | 14.21                | -166.74                      | -214.80             | -95.00              | 926.40                        | 889.07                         | 37.33                            | 24.819                   |                |                                     |
| 6,900.00                                                                                        | 6,791.70                     | 6,805.46                     | 6,791.70                     | 26.51                   | 14.27                | -167.04                      | -214.80             | -95.00              | 947.51                        | 909.62                         | 37.89                            | 25.009                   |                |                                     |
| 7,000.00                                                                                        | 6,889.33                     | 6,903.08                     | 6,889.33                     | 26.98                   | 14.33                | -167.33                      | -214.80             | -95.00              | 968.64                        | 930.19                         | 38.45                            | 25.194                   |                |                                     |
| 7,100.00                                                                                        | 6,986.96                     | 7,000.71                     | 6,986.96                     | 27.46                   | 14.39                | -167.60                      | -214.80             | -95.00              | 989.80                        | 950.79                         | 39.01                            | 25.375                   |                |                                     |
| 14,000.00                                                                                       | 9,570.00                     | 14,897.52                    | 10,470.00                    | 93.68                   | 85.91                | 124.29                       | 4,401.23            | -49.97              | 1,597.55                      | 1,434.89                       | 162.66                           | 9.821                    |                |                                     |
| 14,100.00                                                                                       | 9,570.00                     | 14,997.52                    | 10,470.00                    | 95.41                   | 87.80                | 124.29                       | 4,501.23            | -50.64              | 1,597.55                      | 1,431.77                       | 165.78                           | 9.636                    |                |                                     |
| 14,200.00                                                                                       | 9,570.00                     | 15,097.52                    | 10,470.00                    | 97.16                   | 89.69                | 124.29                       | 4,601.23            | -51.30              | 1,597.55                      | 1,428.64                       | 168.91                           | 9.458                    |                |                                     |
| 14,300.00                                                                                       | 9,570.00                     | 15,197.52                    | 10,470.00                    | 98.91                   | 91.58                | 124.29                       | 4,701.23            | -51.96              | 1,597.55                      | 1,425.51                       | 172.04                           | 9.286                    |                |                                     |
| 14,400.00                                                                                       | 9,570.00                     | 15,297.52                    | 10,470.00                    | 100.66                  | 93.48                | 124.29                       | 4,801.22            | -52.63              | 1,597.55                      | 1,422.37                       | 175.18                           | 9.119                    |                |                                     |
| 14,422.58                                                                                       | 9,570.00                     | 15,320.10                    | 10,470.00                    | 101.06                  | 93.90                | 124.29                       | 4,823.80            | -52.78              | 1,597.55                      | 1,421.66                       | 175.89                           | 9.083                    |                |                                     |
| 14,500.00                                                                                       | 9,570.00                     | 15,397.52                    | 10,470.00                    | 102.42                  | 95.37                | 124.29                       | 4,901.22            | -53.29              | 1,597.55                      | 1,419.22                       | 178.33                           | 8.959                    |                |                                     |
| 14,600.00                                                                                       | 9,570.00                     | 15,497.52                    | 10,470.00                    | 104.19                  | 97.26                | 124.29                       | 5,001.22            | -53.95              | 1,597.55                      | 1,416.08                       | 181.47                           | 8.803                    |                |                                     |
| 14,700.00                                                                                       | 9,570.00                     | 15,597.52                    | 10,470.00                    | 105.96                  | 99.16                | 124.29                       | 5,101.22            | -54.62              | 1,597.55                      | 1,412.92                       | 184.63                           | 8.653                    |                |                                     |
| 14,800.00                                                                                       | 9,570.00                     | 15,697.52                    | 10,470.00                    | 107.73                  | 101.06               | 124.29                       | 5,201.21            | -55.28              | 1,597.55                      | 1,409.77                       | 187.78                           | 8.507                    |                |                                     |
| 14,900.00                                                                                       | 9,570.00                     | 15,797.52                    | 10,470.00                    | 109.51                  | 102.95               | 124.29                       | 5,301.21            | -55.94              | 1,597.55                      | 1,406.60                       | 190.95                           | 8.367                    |                |                                     |
| 15,000.00                                                                                       | 9,570.00                     | 15,897.52                    | 10,470.00                    | 111.30                  | 104.85               | 124.29                       | 5,401.21            | -56.61              | 1,597.55                      | 1,403.44                       | 194.11                           | 8.230                    |                |                                     |
| 15,100.00                                                                                       | 9,570.00                     | 15,997.52                    | 10,470.00                    | 113.09                  | 106.75               | 124.29                       | 5,501.21            | -57.27              | 1,597.55                      | 1,400.27                       | 197.28                           | 8.098                    |                |                                     |
| 15,200.00                                                                                       | 9,570.00                     | 16,097.52                    | 10,470.00                    | 114.88                  | 108.65               | 124.29                       | 5,601.21            | -57.93              | 1,597.55                      | 1,397.10                       | 200.45                           | 7.970                    |                |                                     |
| 15,300.00                                                                                       | 9,570.00                     | 16,197.52                    | 10,470.00                    | 116.67                  | 110.54               | 124.29                       | 5,701.20            | -58.59              | 1,597.55                      | 1,393.92                       | 203.63                           | 7.845                    |                |                                     |
| 15,400.00                                                                                       | 9,570.00                     | 16,297.52                    | 10,470.00                    | 118.47                  | 112.44               | 124.29                       | 5,801.20            | -59.26              | 1,597.55                      | 1,390.74                       | 206.81                           | 7.725                    |                |                                     |
| 15,500.00                                                                                       | 9,570.00                     | 16,397.52                    | 10,470.00                    | 120.27                  | 114.34               | 124.29                       | 5,901.20            | -59.92              | 1,597.55                      | 1,387.56                       | 209.99                           | 7.608                    |                |                                     |
| 15,600.00                                                                                       | 9,570.00                     | 16,497.52                    | 10,470.00                    | 122.08                  | 116.25               | 124.29                       | 6,001.20            | -60.58              | 1,597.55                      | 1,384.37                       | 213.18                           | 7.494                    |                |                                     |
| 15,700.00                                                                                       | 9,570.00                     | 16,597.52                    | 10,470.00                    | 123.89                  | 118.15               | 124.29                       | 6,101.19            | -61.25              | 1,597.55                      | 1,381.18                       | 216.37                           | 7.384                    |                |                                     |
| 15,800.00                                                                                       | 9,570.00                     | 16,697.52                    | 10,470.00                    | 125.70                  | 120.05               | 124.29                       | 6,201.19            | -61.91              | 1,597.55                      | 1,377.99                       | 219.56                           | 7.276                    |                |                                     |
| 15,900.00                                                                                       | 9,570.00                     | 16,797.52                    | 10,470.00                    | 127.51                  | 121.95               | 124.29                       | 6,301.19            | -62.57              | 1,597.55                      | 1,374.80                       | 222.75                           | 7.172                    |                |                                     |
| 16,000.00                                                                                       | 9,570.00                     | 16,897.52                    | 10,470.00                    | 129.33                  | 123.85               | 124.29                       | 6,401.19            | -63.24              | 1,597.55                      | 1,371.60                       | 225.95                           | 7.070                    |                |                                     |
| 16,100.00                                                                                       | 9,570.00                     | 16,997.52                    | 10,470.00                    | 131.15                  | 125.75               | 124.29                       | 6,501.19            | -63.90              | 1,597.55                      | 1,368.40                       | 229.14                           | 6.972                    |                |                                     |
| 16,200.00                                                                                       | 9,570.00                     | 17,097.52                    | 10,470.00                    | 132.97                  | 127.66               | 124.29                       | 6,601.18            | -64.56              | 1,597.55                      | 1,365.20                       | 232.35                           | 6.876                    |                |                                     |
| 16,300.00                                                                                       | 9,570.00                     | 17,197.52                    | 10,470.00                    | 134.79                  | 129.56               | 124.29                       | 6,701.18            | -65.23              | 1,597.55                      | 1,362.00                       | 235.55                           | 6.782                    |                |                                     |
| 16,400.00                                                                                       | 9,570.00                     | 17,297.52                    | 10,470.00                    | 136.62                  | 131.46               | 124.29                       | 6,801.18            | -65.89              | 1,597.55                      | 1,358.80                       | 238.75                           | 6.691                    |                |                                     |
| 16,500.00                                                                                       | 9,570.00                     | 17,397.52                    | 10,470.00                    | 138.45                  | 133.37               | 124.29                       | 6,901.18            | -66.55              | 1,597.55                      | 1,355.59                       | 241.96                           | 6.602                    |                |                                     |
| 16,600.00                                                                                       | 9,570.00                     | 17,497.52                    | 10,470.00                    | 140.28                  | 135.27               | 124.29                       | 7,001.17            | -67.22              | 1,597.55                      | 1,352.38                       | 245.17                           | 6.516                    |                |                                     |
| 16,700.00                                                                                       | 9,570.00                     | 17,597.52                    | 10,470.00                    | 142.11                  | 137.18               | 124.29                       | 7,101.17            | -67.88              | 1,597.55                      | 1,349.17                       | 248.38                           | 6.432                    |                |                                     |
| 16,800.00                                                                                       | 9,570.00                     | 17,697.52                    | 10,470.00                    | 143.95                  | 139.08               | 124.29                       | 7,201.17            | -68.54              | 1,597.55                      | 1,345.95                       | 251.60                           | 6.350                    |                |                                     |
| 16,900.00                                                                                       | 9,570.00                     | 17,797.52                    | 10,470.00                    | 145.79                  | 140.99               | 124.29                       | 7,301.17            | -69.21              | 1,597.55                      | 1,342.74                       | 254.81                           | 6.270                    |                |                                     |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          |                              |                |
|-------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|---------------------------------------|----------------------------------------|------------------------------------------|------------------------------|----------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 505H - Wellbore #1 - Plan 1 |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          | <b>Offset Site Error:</b>    | 0.00 usft      |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          | <b>Offset Well Error:</b>    | 0.50 usft      |
| <b>Reference</b>                                                                                |                                      | <b>Offset</b>                        |                                      | <b>Semi Major Axis</b>      |                          | <b>Highside<br/>Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                       |                                        | <b>Minimum<br/>Separation<br/>(usft)</b> | <b>Separation<br/>Factor</b> | <b>Warning</b> |
| <b>Measured<br/>Depth<br/>(usft)</b>                                                            | <b>Vertical<br/>Depth<br/>(usft)</b> | <b>Measured<br/>Depth<br/>(usft)</b> | <b>Vertical<br/>Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                      | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between<br/>Centres<br/>(usft)</b> | <b>Between<br/>Ellipses<br/>(usft)</b> |                                          |                              |                |
| 17,000.00                                                                                       | 9,570.00                             | 17,897.52                            | 10,470.00                            | 147.63                      | 142.89                   | 124.29                               | 7,401.17                      | -69.87                  | 1,597.55                              | 1,339.52                               | 258.03                                   | 6.191                        |                |
| 17,100.00                                                                                       | 9,570.00                             | 17,997.52                            | 10,470.00                            | 149.47                      | 144.80                   | 124.29                               | 7,501.16                      | -70.53                  | 1,597.55                              | 1,336.30                               | 261.24                                   | 6.115                        |                |
| 17,200.00                                                                                       | 9,570.00                             | 18,097.52                            | 10,470.00                            | 151.31                      | 146.70                   | 124.29                               | 7,601.16                      | -71.20                  | 1,597.55                              | 1,333.09                               | 264.46                                   | 6.041                        |                |
| 17,300.00                                                                                       | 9,570.00                             | 18,197.52                            | 10,470.00                            | 153.15                      | 148.61                   | 124.29                               | 7,701.16                      | -71.86                  | 1,597.55                              | 1,329.86                               | 267.69                                   | 5.968                        |                |
| 17,400.00                                                                                       | 9,570.00                             | 18,297.52                            | 10,470.00                            | 155.00                      | 150.51                   | 124.29                               | 7,801.16                      | -72.52                  | 1,597.55                              | 1,326.64                               | 270.91                                   | 5.897                        |                |
| 17,404.52                                                                                       | 9,570.00                             | 18,302.04                            | 10,470.00                            | 155.08                      | 150.60                   | 124.29                               | 7,805.67                      | -72.55                  | 1,597.55                              | 1,326.50                               | 271.05                                   | 5.894                        |                |
| 17,500.00                                                                                       | 9,570.00                             | 18,397.52                            | 10,470.00                            | 156.85                      | 152.42                   | 124.29                               | 7,901.15                      | -73.19                  | 1,597.55                              | 1,323.42                               | 274.13                                   | 5.828                        |                |
| 17,600.00                                                                                       | 9,570.00                             | 18,497.52                            | 10,470.00                            | 158.70                      | 154.33                   | 124.29                               | 8,001.15                      | -73.85                  | 1,597.55                              | 1,320.19                               | 277.36                                   | 5.760                        |                |
| 17,700.00                                                                                       | 9,570.00                             | 18,597.52                            | 10,470.00                            | 160.55                      | 156.23                   | 124.29                               | 8,101.15                      | -74.51                  | 1,597.55                              | 1,316.96                               | 280.58                                   | 5.694                        |                |
| 17,800.00                                                                                       | 9,570.00                             | 18,697.52                            | 10,470.00                            | 162.40                      | 158.14                   | 124.29                               | 8,201.15                      | -75.18                  | 1,597.55                              | 1,313.74                               | 283.81                                   | 5.629                        |                |
| 17,900.00                                                                                       | 9,570.00                             | 18,797.52                            | 10,470.00                            | 164.25                      | 160.05                   | 124.29                               | 8,301.15                      | -75.84                  | 1,597.55                              | 1,310.51                               | 287.04                                   | 5.566                        |                |
| 18,000.00                                                                                       | 9,570.00                             | 18,897.52                            | 10,470.00                            | 166.11                      | 161.96                   | 124.29                               | 8,401.14                      | -76.50                  | 1,597.55                              | 1,307.28                               | 290.27                                   | 5.504                        |                |
| 18,100.00                                                                                       | 9,570.00                             | 18,997.52                            | 10,470.00                            | 167.96                      | 163.86                   | 124.29                               | 8,501.14                      | -77.17                  | 1,597.55                              | 1,304.05                               | 293.50                                   | 5.443                        |                |
| 18,200.00                                                                                       | 9,570.00                             | 19,097.52                            | 10,470.00                            | 169.82                      | 165.77                   | 124.29                               | 8,601.14                      | -77.83                  | 1,597.55                              | 1,300.81                               | 296.74                                   | 5.384                        |                |
| 18,300.00                                                                                       | 9,570.00                             | 19,197.52                            | 10,470.00                            | 171.68                      | 167.68                   | 124.29                               | 8,701.14                      | -78.49                  | 1,597.55                              | 1,297.58                               | 299.97                                   | 5.326                        |                |
| 18,400.00                                                                                       | 9,570.00                             | 19,297.52                            | 10,470.00                            | 173.54                      | 169.59                   | 124.29                               | 8,801.13                      | -79.15                  | 1,597.55                              | 1,294.34                               | 303.21                                   | 5.269                        |                |
| 18,500.00                                                                                       | 9,570.00                             | 19,397.52                            | 10,470.00                            | 175.40                      | 171.49                   | 124.29                               | 8,901.13                      | -79.82                  | 1,597.55                              | 1,291.11                               | 306.44                                   | 5.213                        |                |
| 18,600.00                                                                                       | 9,570.00                             | 19,497.52                            | 10,470.00                            | 177.26                      | 173.40                   | 124.29                               | 9,001.13                      | -80.48                  | 1,597.55                              | 1,287.87                               | 309.68                                   | 5.159                        |                |
| 18,700.00                                                                                       | 9,570.00                             | 19,597.52                            | 10,470.00                            | 179.12                      | 175.31                   | 124.29                               | 9,101.13                      | -81.14                  | 1,597.55                              | 1,284.63                               | 312.92                                   | 5.105                        |                |
| 18,800.00                                                                                       | 9,570.00                             | 19,697.52                            | 10,470.00                            | 180.99                      | 177.22                   | 124.29                               | 9,201.13                      | -81.81                  | 1,597.55                              | 1,281.39                               | 316.16                                   | 5.053                        |                |
| 18,900.00                                                                                       | 9,570.00                             | 19,797.52                            | 10,470.00                            | 182.85                      | 179.13                   | 124.29                               | 9,301.12                      | -82.47                  | 1,597.55                              | 1,278.15                               | 319.40                                   | 5.002                        |                |
| 19,000.00                                                                                       | 9,570.00                             | 19,897.52                            | 10,470.00                            | 184.72                      | 181.04                   | 124.29                               | 9,401.12                      | -83.13                  | 1,597.55                              | 1,274.91                               | 322.64                                   | 4.952                        |                |
| 19,100.00                                                                                       | 9,570.00                             | 19,997.52                            | 10,470.00                            | 186.59                      | 182.94                   | 124.29                               | 9,501.12                      | -83.80                  | 1,597.55                              | 1,271.67                               | 325.88                                   | 4.902                        |                |
| 19,200.00                                                                                       | 9,570.00                             | 20,097.52                            | 10,470.00                            | 188.45                      | 184.85                   | 124.29                               | 9,601.12                      | -84.46                  | 1,597.55                              | 1,268.43                               | 329.12                                   | 4.854                        |                |
| 19,300.00                                                                                       | 9,570.00                             | 20,197.52                            | 10,470.00                            | 190.32                      | 186.76                   | 124.29                               | 9,701.12                      | -85.12                  | 1,597.55                              | 1,265.19                               | 332.36                                   | 4.807                        |                |
| 19,400.00                                                                                       | 9,570.00                             | 20,297.52                            | 10,470.00                            | 192.19                      | 188.67                   | 124.29                               | 9,801.11                      | -85.79                  | 1,597.55                              | 1,261.94                               | 335.61                                   | 4.760                        |                |
| 19,500.00                                                                                       | 9,570.00                             | 20,397.52                            | 10,470.00                            | 194.06                      | 190.58                   | 124.29                               | 9,901.11                      | -86.45                  | 1,597.55                              | 1,258.70                               | 338.85                                   | 4.715                        |                |
| 19,600.00                                                                                       | 9,570.00                             | 20,497.52                            | 10,470.00                            | 195.93                      | 192.49                   | 124.29                               | 10,001.11                     | -87.11                  | 1,597.55                              | 1,255.45                               | 342.10                                   | 4.670                        |                |
| 19,700.00                                                                                       | 9,570.00                             | 20,597.52                            | 10,470.00                            | 197.81                      | 194.40                   | 124.29                               | 10,101.11                     | -87.78                  | 1,597.55                              | 1,252.21                               | 345.34                                   | 4.626                        |                |
| 19,763.56                                                                                       | 9,570.00                             | 20,661.08                            | 10,470.00                            | 198.92                      | 195.51                   | 124.29                               | 10,164.66                     | -88.20                  | 1,597.55                              | 1,250.40                               | 347.15                                   | 4.602                        |                |
| 19,796.75                                                                                       | 9,570.00                             | 20,691.52                            | 10,470.00                            | 199.50                      | 196.05                   | 124.29                               | 10,195.10                     | -88.40                  | 1,597.55                              | 1,249.53                               | 348.02                                   | 4.590                        |                |



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                |                           |           |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|----------------|---------------------------|-----------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 602H - Wellbore #1 - Actual |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 80-GYRO-NS, 3393-MWD+IGRF                                                |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b> |                           |           |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                |                           |           |
| 3,400.00                                                                                        | 3,374.69                     | 3,369.84                     | 3,365.29                     | 10.47                   | 12.43                | -1.31                        | -109.64                       | -1,255.51           | 983.82                        | 961.00                         | 22.83                            | 43.098                   |                |                           |           |
| 3,500.00                                                                                        | 3,472.32                     | 3,459.86                     | 3,455.31                     | 10.90                   | 12.53                | -1.33                        | -109.58                       | -1,256.12           | 962.84                        | 939.48                         | 23.36                            | 41.212                   |                |                           |           |
| 3,600.00                                                                                        | 3,569.95                     | 3,552.45                     | 3,547.89                     | 11.33                   | 12.59                | -1.36                        | -109.78                       | -1,257.50           | 942.66                        | 918.80                         | 23.86                            | 39.501                   |                |                           |           |
| 3,700.00                                                                                        | 3,667.58                     | 3,647.56                     | 3,642.98                     | 11.76                   | 12.65                | -1.41                        | -110.21                       | -1,259.24           | 922.85                        | 898.48                         | 24.37                            | 37.869                   |                |                           |           |
| 3,800.00                                                                                        | 3,765.21                     | 3,746.24                     | 3,741.64                     | 12.20                   | 12.72                | -1.48                        | -110.98                       | -1,261.19           | 903.20                        | 878.32                         | 24.88                            | 36.301                   |                |                           |           |
| 3,900.00                                                                                        | 3,862.84                     | 3,846.47                     | 3,841.85                     | 12.64                   | 12.79                | -1.55                        | -111.66                       | -1,262.96           | 883.34                        | 857.95                         | 25.40                            | 34.780                   |                |                           |           |
| 4,000.00                                                                                        | 3,960.47                     | 3,945.37                     | 3,940.73                     | 13.09                   | 12.88                | -1.64                        | -112.49                       | -1,264.49           | 863.30                        | 837.37                         | 25.92                            | 33.304                   |                |                           |           |
| 4,100.00                                                                                        | 4,058.10                     | 4,044.12                     | 4,039.47                     | 13.53                   | 12.96                | -1.74                        | -113.42                       | -1,265.94           | 843.17                        | 816.72                         | 26.45                            | 31.877                   |                |                           |           |
| 4,200.00                                                                                        | 4,155.72                     | 4,144.60                     | 4,139.94                     | 13.98                   | 13.05                | -1.84                        | -114.37                       | -1,267.22           | 822.87                        | 795.89                         | 26.98                            | 30.498                   |                |                           |           |
| 4,300.00                                                                                        | 4,253.35                     | 4,243.61                     | 4,238.94                     | 14.43                   | 13.14                | -1.94                        | -115.15                       | -1,268.24           | 802.31                        | 774.79                         | 27.52                            | 29.157                   |                |                           |           |
| 4,400.00                                                                                        | 4,350.98                     | 4,342.48                     | 4,337.80                     | 14.88                   | 13.24                | -2.03                        | -115.71                       | -1,269.16           | 781.64                        | 753.58                         | 28.06                            | 27.858                   |                |                           |           |
| 4,500.00                                                                                        | 4,448.61                     | 4,441.02                     | 4,436.34                     | 15.34                   | 13.33                | -2.12                        | -116.27                       | -1,269.96           | 760.85                        | 732.25                         | 28.60                            | 26.603                   |                |                           |           |
| 4,600.00                                                                                        | 4,546.24                     | 4,539.99                     | 4,535.30                     | 15.79                   | 13.43                | -2.23                        | -116.94                       | -1,270.63           | 739.95                        | 710.81                         | 29.14                            | 25.391                   |                |                           |           |
| 4,700.00                                                                                        | 4,643.87                     | 4,640.73                     | 4,636.04                     | 16.25                   | 13.52                | -2.36                        | -117.68                       | -1,271.03           | 718.77                        | 689.11                         | 29.67                            | 24.227                   |                |                           |           |
| 4,800.00                                                                                        | 4,741.50                     | 4,738.53                     | 4,733.84                     | 16.71                   | 13.61                | -2.49                        | -118.41                       | -1,271.18           | 697.38                        | 667.19                         | 30.19                            | 23.097                   |                |                           |           |
| 4,900.00                                                                                        | 4,839.13                     | 4,834.30                     | 4,829.61                     | 17.17                   | 13.70                | -2.64                        | -119.21                       | -1,271.45           | 676.12                        | 645.39                         | 30.73                            | 22.001                   |                |                           |           |
| 5,000.00                                                                                        | 4,936.76                     | 4,930.03                     | 4,925.33                     | 17.63                   | 13.79                | -2.80                        | -120.10                       | -1,272.07           | 655.23                        | 623.95                         | 31.28                            | 20.946                   |                |                           |           |
| 5,100.00                                                                                        | 5,034.38                     | 5,026.17                     | 5,021.46                     | 18.09                   | 13.91                | -2.99                        | -121.26                       | -1,272.81           | 634.49                        | 602.64                         | 31.85                            | 19.922                   |                |                           |           |
| 5,200.00                                                                                        | 5,132.01                     | 5,122.03                     | 5,117.30                     | 18.55                   | 14.03                | -3.19                        | -122.44                       | -1,273.94           | 614.16                        | 581.74                         | 32.42                            | 18.943                   |                |                           |           |
| 5,300.00                                                                                        | 5,229.64                     | 5,221.97                     | 5,217.23                     | 19.01                   | 14.15                | -3.42                        | -123.72                       | -1,275.14           | 593.87                        | 560.89                         | 32.98                            | 18.006                   |                |                           |           |
| 5,400.00                                                                                        | 5,327.27                     | 5,329.09                     | 5,324.34                     | 19.48                   | 14.24                | -3.65                        | -124.65                       | -1,275.50           | 572.72                        | 539.26                         | 33.46                            | 17.116                   |                |                           |           |
| 5,500.00                                                                                        | 5,424.90                     | 5,431.11                     | 5,426.35                     | 19.94                   | 14.25                | -3.79                        | -124.37                       | -1,274.27           | 549.90                        | 516.01                         | 33.89                            | 16.224                   |                |                           |           |
| 5,600.00                                                                                        | 5,522.53                     | 5,527.12                     | 5,522.36                     | 20.41                   | 14.24                | -3.92                        | -124.07                       | -1,273.10           | 527.08                        | 492.73                         | 34.35                            | 15.343                   |                |                           |           |
| 5,700.00                                                                                        | 5,620.16                     | 5,624.85                     | 5,620.08                     | 20.87                   | 14.23                | -4.09                        | -123.92                       | -1,272.07           | 504.44                        | 469.63                         | 34.81                            | 14.493                   |                |                           |           |
| 5,800.00                                                                                        | 5,717.79                     | 5,720.96                     | 5,716.18                     | 21.34                   | 14.23                | -4.31                        | -124.07                       | -1,270.94           | 481.74                        | 446.46                         | 35.28                            | 13.655                   |                |                           |           |
| 5,900.00                                                                                        | 5,815.41                     | 5,824.00                     | 5,819.21                     | 21.81                   | 14.25                | -4.59                        | -124.40                       | -1,269.60           | 458.96                        | 423.25                         | 35.71                            | 12.853                   |                |                           |           |
| 6,000.00                                                                                        | 5,913.04                     | 5,931.08                     | 5,926.23                     | 22.28                   | 14.27                | -4.99                        | -124.91                       | -1,265.99           | 434.21                        | 398.11                         | 36.10                            | 12.028                   |                |                           |           |
| 6,100.00                                                                                        | 6,010.67                     | 6,032.96                     | 6,027.96                     | 22.75                   | 14.28                | -5.49                        | -125.58                       | -1,260.60           | 407.67                        | 371.15                         | 36.51                            | 11.165                   |                |                           |           |
| 6,200.00                                                                                        | 6,108.30                     | 6,141.97                     | 6,136.66                     | 23.22                   | 14.30                | -6.17                        | -126.29                       | -1,252.40           | 379.05                        | 342.24                         | 36.81                            | 10.296                   |                |                           |           |
| 6,300.00                                                                                        | 6,205.93                     | 6,236.94                     | 6,231.23                     | 23.68                   | 14.32                | -6.89                        | -126.78                       | -1,243.72           | 348.93                        | 311.61                         | 37.32                            | 9.350                    |                |                           |           |
| 6,400.00                                                                                        | 6,303.56                     | 6,334.68                     | 6,328.49                     | 24.16                   | 14.33                | -7.95                        | -128.13                       | -1,234.15           | 318.41                        | 280.68                         | 37.73                            | 8.439                    |                |                           |           |
| 6,500.00                                                                                        | 6,401.19                     | 6,431.76                     | 6,424.97                     | 24.63                   | 14.36                | -9.48                        | -130.41                       | -1,223.66           | 287.27                        | 249.12                         | 38.15                            | 7.530                    |                |                           |           |
| 6,600.00                                                                                        | 6,498.82                     | 6,526.96                     | 6,519.48                     | 25.10                   | 14.40                | -11.51                       | -133.54                       | -1,212.64           | 255.87                        | 217.26                         | 38.60                            | 6.629                    |                |                           |           |
| 6,700.00                                                                                        | 6,596.44                     | 6,619.48                     | 6,611.33                     | 25.57                   | 14.46                | -14.38                       | -137.10                       | -1,202.13           | 225.21                        | 186.09                         | 39.12                            | 5.757                    |                |                           |           |
| 6,800.00                                                                                        | 6,694.07                     | 6,713.38                     | 6,704.63                     | 26.04                   | 14.53                | -17.79                       | -140.61                       | -1,192.11           | 195.76                        | 156.18                         | 39.58                            | 4.946                    |                |                           |           |
| 6,900.00                                                                                        | 6,791.70                     | 6,808.68                     | 6,799.28                     | 26.51                   | 14.63                | -22.68                       | -144.54                       | -1,181.80           | 167.28                        | 127.34                         | 39.94                            | 4.188                    |                |                           |           |
| 7,000.00                                                                                        | 6,889.33                     | 6,904.08                     | 6,893.95                     | 26.98                   | 14.75                | -29.75                       | -148.89                       | -1,170.79           | 140.01                        | 99.85                          | 40.17                            | 3.486                    |                |                           |           |
| 7,100.00                                                                                        | 6,986.96                     | 6,997.78                     | 6,986.92                     | 27.46                   | 14.88                | -39.66                       | -153.17                       | -1,159.98           | 115.71                        | 75.44                          | 40.27                            | 2.873                    |                |                           |           |
| 7,200.00                                                                                        | 7,084.59                     | 7,092.33                     | 7,080.79                     | 27.93                   | 15.02                | -53.65                       | -157.47                       | -1,149.53           | 96.81                         | 56.76                          | 40.06                            | 2.417                    |                |                           |           |
| 7,300.00                                                                                        | 7,182.22                     | 7,186.51                     | 7,174.30                     | 28.40                   | 15.17                | -72.02                       | -161.93                       | -1,139.18           | 86.54                         | 46.78                          | 39.77                            | 2.176                    |                |                           |           |
| 7,336.36                                                                                        | 7,217.72                     | 7,220.76                     | 7,208.30                     | 28.58                   | 15.23                | -79.39                       | -163.69                       | -1,135.42           | 85.71                         | 45.94                          | 39.77                            | 2.155 CC, ES, SF         |                |                           |           |
| 7,400.00                                                                                        | 7,279.85                     | 7,280.79                     | 7,267.89                     | 28.88                   | 15.33                | -92.09                       | -166.89                       | -1,128.95           | 88.21                         | 48.14                          | 40.07                            | 2.202                    |                |                           |           |
| 7,500.00                                                                                        | 7,377.47                     | 7,375.72                     | 7,362.18                     | 29.35                   | 15.50                | -109.20                      | -172.18                       | -1,119.28           | 100.77                        | 59.64                          | 41.13                            | 2.450                    |                |                           |           |
| 7,600.00                                                                                        | 7,475.10                     | 7,469.21                     | 7,455.00                     | 29.83                   | 15.69                | -121.82                      | -177.55                       | -1,109.45           | 120.88                        | 78.55                          | 42.33                            | 2.856                    |                |                           |           |
| 7,700.00                                                                                        | 7,572.73                     | 7,562.92                     | 7,547.88                     | 30.30                   | 15.89                | -131.06                      | -183.09                       | -1,098.35           | 146.35                        | 102.90                         | 43.45                            | 3.368                    |                |                           |           |
| 7,800.00                                                                                        | 7,670.36                     | 7,658.15                     | 7,642.28                     | 30.78                   | 16.09                | -137.61                      | -188.82                       | -1,087.20           | 174.43                        | 129.95                         | 44.48                            | 3.921                    |                |                           |           |
| 7,900.00                                                                                        | 7,767.99                     | 7,753.87                     | 7,737.25                     | 31.25                   | 16.30                | -142.24                      | -194.55                       | -1,076.72           | 203.41                        | 157.99                         | 45.42                            | 4.479                    |                |                           |           |
| 8,000.00                                                                                        | 7,865.62                     | 7,849.42                     | 7,832.12                     | 31.73                   | 16.51                | -145.61                      | -200.36                       | -1,066.85           | 232.83                        | 186.56                         | 46.27                            | 5.032                    |                |                           |           |
| 8,100.00                                                                                        | 7,963.25                     | 7,945.68                     | 7,927.72                     | 32.20                   | 16.73                | -148.17                      | -206.34                       | -1,057.44           | 262.41                        | 215.31                         | 47.10                            | 5.572                    |                |                           |           |
| 8,140.84                                                                                        | 8,003.12                     | 7,984.92                     | 7,966.71                     | 32.39                   | 16.83                | -149.05                      | -208.72                       | -1,053.73           | 274.46                        | 227.04                         | 47.42                            | 5.788                    |                |                           |           |
| 8,200.00                                                                                        | 8,060.97                     | 8,041.85                     | 8,023.29                     | 32.67                   | 16.96                | -150.28                      | -212.16                       | -1,048.44           | 291.54                        | 243.68                         | 47.87                            | 6.091                    |                |                           |           |
| 8,300.00                                                                                        | 8,159.18                     | 8,137.79                     | 8,118.66                     | 33.15                   | 17.19                | -151.86                      | -217.99                       | -1,039.66           | 318.74                        | 270.14                         | 48.60                            | 6.559                    |                |                           |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|-------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|----------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 602H - Wellbore #1 - Actual |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 80-GYRO-NS, 3393-MWD+IGRF                                                |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Highside</b>         |                      | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>     |                               | <b>Minimum</b>                 | <b>Separation</b>        | <b>Warning</b> |                                     |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Toolface (°)</b>           | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> |                |                                     |
| 8,400.00                                                                                        | 8,257.84                     | 8,245.84                     | 8,226.19                     | 33.64                   | 17.48                | -153.00                       | -224.42             | -1,031.43           | 342.43                        | 292.81                         | 49.62                    | 6.901          |                                     |
| 8,500.00                                                                                        | 8,356.90                     | 8,352.73                     | 8,332.83                     | 34.10                   | 17.80                | -153.68                       | -229.89             | -1,026.55           | 360.78                        | 310.25                         | 50.52                    | 7.141          |                                     |
| 8,600.00                                                                                        | 8,456.28                     | 8,455.53                     | 8,435.48                     | 34.55                   | 18.04                | -154.13                       | -234.20             | -1,023.22           | 375.29                        | 324.06                         | 51.23                    | 7.325          |                                     |
| 8,700.00                                                                                        | 8,555.92                     | 8,562.97                     | 8,542.88                     | 34.97                   | 18.27                | -154.66                       | -236.19             | -1,020.72           | 385.78                        | 333.80                         | 51.98                    | 7.421          |                                     |
| 8,800.00                                                                                        | 8,655.74                     | 8,667.35                     | 8,647.25                     | 35.36                   | 18.42                | -155.12                       | -236.32             | -1,019.61           | 392.12                        | 339.53                         | 52.59                    | 7.457          |                                     |
| 8,900.00                                                                                        | 8,755.69                     | 8,767.96                     | 8,747.85                     | 35.70                   | 18.56                | -155.32                       | -236.70             | -1,019.16           | 395.63                        | 342.60                         | 53.03                    | 7.460          |                                     |
| 8,974.32                                                                                        | 8,830.00                     | 8,843.11                     | 8,823.00                     | 35.81                   | 18.66                | 110.72                        | -237.29             | -1,019.07           | 396.57                        | 343.35                         | 53.22                    | 7.452          |                                     |
| 9,000.00                                                                                        | 8,855.68                     | 8,869.29                     | 8,849.17                     | 35.81                   | 18.68                | 110.76                        | -237.56             | -1,019.12           | 396.62                        | 343.38                         | 53.24                    | 7.449          |                                     |
| 9,100.00                                                                                        | 8,955.68                     | 8,971.78                     | 8,951.66                     | 35.83                   | 18.78                | 111.00                        | -239.08             | -1,019.87           | 396.47                        | 343.14                         | 53.33                    | 7.435          |                                     |
| 9,200.00                                                                                        | 9,055.68                     | 9,075.11                     | 9,054.94                     | 35.85                   | 18.84                | 111.42                        | -241.44             | -1,021.78           | 395.57                        | 342.20                         | 53.37                    | 7.412          |                                     |
| 9,234.32                                                                                        | 9,090.00                     | 9,107.00                     | 9,086.82                     | 35.86                   | 18.85                | 111.53                        | -242.02             | -1,022.51           | 395.08                        | 341.74                         | 53.33                    | 7.408          |                                     |
| 9,250.00                                                                                        | 9,105.68                     | 9,124.39                     | 9,104.20                     | 35.85                   | 18.86                | 102.92                        | -242.28             | -1,022.87           | 394.91                        | 341.55                         | 53.36                    | 7.400          |                                     |
| 9,255.77                                                                                        | 9,111.45                     | 9,129.62                     | 9,109.43                     | 35.85                   | 18.87                | 102.96                        | -242.35             | -1,022.96           | 394.90                        | 341.54                         | 53.36                    | 7.401          |                                     |
| 9,275.00                                                                                        | 9,130.63                     | 9,146.99                     | 9,126.80                     | 35.84                   | 18.88                | 103.15                        | -242.54             | -1,023.18           | 395.03                        | 341.69                         | 53.35                    | 7.405          |                                     |
| 9,300.00                                                                                        | 9,155.47                     | 9,169.50                     | 9,149.31                     | 35.82                   | 18.89                | 103.46                        | -242.70             | -1,023.31           | 395.61                        | 342.30                         | 53.32                    | 7.420          |                                     |
| 9,325.00                                                                                        | 9,180.14                     | 9,191.88                     | 9,171.68                     | 35.80                   | 18.91                | 103.86                        | -242.77             | -1,023.25           | 396.67                        | 343.39                         | 53.28                    | 7.445          |                                     |
| 9,350.00                                                                                        | 9,204.55                     | 9,214.88                     | 9,194.69                     | 35.78                   | 18.93                | 104.35                        | -242.74             | -1,023.03           | 398.22                        | 344.97                         | 53.26                    | 7.477          |                                     |
| 9,375.00                                                                                        | 9,228.65                     | 9,238.33                     | 9,218.13                     | 35.76                   | 18.96                | 104.95                        | -242.59             | -1,022.69           | 400.23                        | 346.98                         | 53.25                    | 7.516          |                                     |
| 9,400.00                                                                                        | 9,252.37                     | 9,261.50                     | 9,241.29                     | 35.74                   | 18.99                | 105.61                        | -242.33             | -1,022.27           | 402.73                        | 349.50                         | 53.23                    | 7.567          |                                     |
| 9,425.00                                                                                        | 9,275.65                     | 9,284.34                     | 9,264.12                     | 35.72                   | 19.02                | 106.32                        | -241.97             | -1,021.75           | 405.76                        | 352.57                         | 53.19                    | 7.629          |                                     |
| 9,450.00                                                                                        | 9,298.42                     | 9,307.12                     | 9,286.89                     | 35.70                   | 19.04                | 107.10                        | -241.50             | -1,021.16           | 409.36                        | 356.22                         | 53.14                    | 7.704          |                                     |
| 9,475.00                                                                                        | 9,320.61                     | 9,329.84                     | 9,309.60                     | 35.68                   | 19.06                | 107.93                        | -241.05             | -1,020.58           | 413.57                        | 360.50                         | 53.07                    | 7.793          |                                     |
| 9,500.00                                                                                        | 9,342.18                     | 9,351.89                     | 9,331.65                     | 35.66                   | 19.07                | 108.78                        | -240.66             | -1,020.06           | 418.43                        | 365.46                         | 52.97                    | 7.899          |                                     |
| 9,525.00                                                                                        | 9,363.05                     | 9,373.22                     | 9,352.96                     | 35.64                   | 19.09                | 109.61                        | -240.33             | -1,019.60           | 424.02                        | 371.16                         | 52.86                    | 8.022          |                                     |
| 9,550.00                                                                                        | 9,383.17                     | 9,393.75                     | 9,373.49                     | 35.62                   | 19.10                | 110.40                        | -240.04             | -1,019.19           | 430.40                        | 377.68                         | 52.71                    | 8.165          |                                     |
| 9,575.00                                                                                        | 9,402.49                     | 9,413.18                     | 9,392.92                     | 35.61                   | 19.12                | 111.10                        | -239.82             | -1,018.83           | 437.64                        | 385.09                         | 52.55                    | 8.328          |                                     |
| 9,600.00                                                                                        | 9,420.95                     | 9,431.71                     | 9,411.44                     | 35.60                   | 19.14                | 111.69                        | -239.64             | -1,018.51           | 445.78                        | 393.43                         | 52.36                    | 8.515          |                                     |
| 9,625.00                                                                                        | 9,438.51                     | 9,449.27                     | 9,429.00                     | 35.60                   | 19.15                | 112.16                        | -239.50             | -1,018.23           | 454.88                        | 402.74                         | 52.14                    | 8.724          |                                     |
| 9,650.00                                                                                        | 9,455.11                     | 9,465.82                     | 9,445.54                     | 35.60                   | 19.17                | 112.47                        | -239.41             | -1,017.98           | 464.96                        | 413.06                         | 51.90                    | 8.958          |                                     |
| 9,666.30                                                                                        | 9,465.39                     | 9,476.04                     | 9,455.77                     | 35.61                   | 19.18                | 112.58                        | -239.37             | -1,017.83           | 472.07                        | 420.33                         | 51.74                    | 9.124          |                                     |
| 9,675.00                                                                                        | 9,470.71                     | 9,481.31                     | 9,461.04                     | 35.61                   | 19.18                | 112.87                        | -239.35             | -1,017.76           | 476.06                        | 424.41                         | 51.65                    | 9.217          |                                     |
| 9,700.00                                                                                        | 9,485.29                     | 9,495.72                     | 9,475.44                     | 35.63                   | 19.20                | 113.50                        | -239.32             | -1,017.57           | 488.34                        | 436.95                         | 51.39                    | 9.503          |                                     |
| 9,725.00                                                                                        | 9,498.82                     | 9,509.04                     | 9,488.76                     | 35.66                   | 19.22                | 113.82                        | -239.30             | -1,017.40           | 501.84                        | 450.72                         | 51.12                    | 9.817          |                                     |
| 9,750.00                                                                                        | 9,511.26                     | 9,521.26                     | 9,500.98                     | 35.70                   | 19.23                | 113.81                        | -239.29             | -1,017.24           | 516.51                        | 465.66                         | 50.85                    | 10.158         |                                     |
| 9,775.00                                                                                        | 9,522.58                     | 9,532.36                     | 9,512.08                     | 35.75                   | 19.25                | 113.45                        | -239.29             | -1,017.09           | 532.30                        | 481.72                         | 50.58                    | 10.524         |                                     |
| 9,800.00                                                                                        | 9,532.75                     | 9,542.30                     | 9,522.02                     | 35.81                   | 19.26                | 112.70                        | -239.30             | -1,016.96           | 549.12                        | 498.82                         | 50.31                    | 10.915         |                                     |
| 9,825.00                                                                                        | 9,541.74                     | 9,551.07                     | 9,530.79                     | 35.88                   | 19.27                | 111.54                        | -239.31             | -1,016.85           | 566.92                        | 516.88                         | 50.04                    | 11.329         |                                     |
| 9,850.00                                                                                        | 9,549.52                     | 9,558.64                     | 9,538.35                     | 35.96                   | 19.29                | 109.90                        | -239.32             | -1,016.75           | 585.61                        | 535.82                         | 49.78                    | 11.763         |                                     |
| 9,875.00                                                                                        | 9,556.07                     | 9,564.99                     | 9,544.71                     | 36.06                   | 19.29                | 107.74                        | -239.33             | -1,016.66           | 605.10                        | 555.57                         | 49.53                    | 12.217         |                                     |
| 9,900.00                                                                                        | 9,561.38                     | 9,570.11                     | 9,549.83                     | 36.17                   | 19.30                | 104.99                        | -239.34             | -1,016.59           | 625.30                        | 576.02                         | 49.29                    | 12.687         |                                     |
| 9,925.00                                                                                        | 9,565.43                     | 9,574.00                     | 9,553.71                     | 36.29                   | 19.31                | 101.59                        | -239.35             | -1,016.54           | 646.13                        | 597.08                         | 49.05                    | 13.172         |                                     |
| 9,950.00                                                                                        | 9,568.21                     | 9,576.64                     | 9,556.35                     | 36.43                   | 19.31                | 97.47                         | -239.36             | -1,016.50           | 667.50                        | 618.67                         | 48.83                    | 13.670         |                                     |
| 9,975.00                                                                                        | 9,569.71                     | 9,578.03                     | 9,557.74                     | 36.57                   | 19.31                | 92.61                         | -239.36             | -1,016.49           | 689.31                        | 640.70                         | 48.62                    | 14.179         |                                     |
| 9,991.75                                                                                        | 9,570.00                     | 9,578.26                     | 9,557.98                     | 36.67                   | 19.31                | 88.93                         | -239.36             | -1,016.48           | 704.13                        | 655.65                         | 48.48                    | 14.524         |                                     |
| 10,000.00                                                                                       | 9,570.00                     | 9,578.24                     | 9,557.96                     | 36.73                   | 19.31                | 88.93                         | -239.36             | -1,016.48           | 711.47                        | 663.06                         | 48.41                    | 14.696         |                                     |
| 10,100.00                                                                                       | 9,570.00                     | 9,577.98                     | 9,557.70                     | 37.44                   | 19.31                | 88.88                         | -239.36             | -1,016.49           | 801.88                        | 754.17                         | 47.71                    | 16.808         |                                     |
| 10,200.00                                                                                       | 9,570.00                     | 9,577.72                     | 9,557.44                     | 38.25                   | 19.31                | 88.84                         | -239.36             | -1,016.49           | 894.33                        | 847.17                         | 47.15                    | 18.966         |                                     |
| 10,300.00                                                                                       | 9,570.00                     | 9,577.47                     | 9,557.18                     | 39.14                   | 19.31                | 88.79                         | -239.36             | -1,016.49           | 988.25                        | 941.54                         | 46.71                    | 21.156         |                                     |
| 19,200.00                                                                                       | 9,570.00                     | 21,006.06                    | 11,374.96                    | 188.45                  | 188.64               | 168.52                        | 9,650.14            | -1,036.87           | 1,848.77                      | 1,662.42                       | 186.35                   | 9.921          |                                     |
| 19,300.00                                                                                       | 9,570.00                     | 21,088.16                    | 11,373.18                    | 190.32                  | 190.21               | 168.57                        | 9,732.18            | -1,039.33           | 1,846.20                      | 1,658.55                       | 187.64                   | 9.839          |                                     |
| 19,400.00                                                                                       | 9,570.00                     | 21,171.58                    | 11,372.42                    | 192.19                  | 191.79               | 168.63                        | 9,815.55            | -1,042.18           | 1,844.74                      | 1,655.84                       | 188.90                   | 9.766          |                                     |
| 19,500.00                                                                                       | 9,570.00                     | 21,265.10                    | 11,372.04                    | 194.06                  | 193.58               | 168.73                        | 9,908.99            | -1,046.08           | 1,843.66                      | 1,653.45                       | 190.21                   | 9.693          |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                               |                      |                              |                       |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------------|------------------------------|-----------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 602H - Wellbore #1 - Actual |                              |                              |                              |                               |                      |                              |                       |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 80-GYRO-NS, 3393-MWD+IGRF                                                |                              |                              |                              |                               |                      |                              | <b>Rule Assigned:</b> |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Offset Wellbore Centre</b> |                      | <b>Distance</b>              |                       |                     |                               | <b>Warning</b>                 |                                  |                          |                                     |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b>       | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b>   | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 19,562.18                                                                                       | 9,570.00                     | 21,313.08                    | 11,372.26                    | 195.23                        | 194.49               | 168.79                       | 9,956.91              | -1,048.45           | 1,843.42                      | 1,652.55                       | 190.86                           | 9.658                    |                                     |
| 19,600.00                                                                                       | 9,570.00                     | 21,343.29                    | 11,372.61                    | 195.93                        | 195.07               | 168.84                       | 9,987.08              | -1,050.07           | 1,843.50                      | 1,652.25                       | 191.25                           | 9.639                    |                                     |
| 19,700.00                                                                                       | 9,570.00                     | 21,436.72                    | 11,373.95                    | 197.81                        | 196.85               | 168.96                       | 10,080.39             | -1,054.47           | 1,844.13                      | 1,651.64                       | 192.49                           | 9.580                    |                                     |
| 19,796.75                                                                                       | 9,570.00                     | 21,537.47                    | 11,375.23                    | 199.50                        | 198.77               | 169.10                       | 10,181.00             | -1,059.56           | 1,844.51                      | 1,651.06                       | 193.45                           | 9.535                    |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 603H - Wellbore #1 - Plan 1 |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.00 usft |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Warning</b>            |           |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |           |
| 0.00                                                                                            | 0.00                  | 2.00                  | 2.00                  | 0.50      | 0.50   | 179.43                | -110.00      | 1.10         | 110.01                 |                         |                           |                           |           |
| 100.00                                                                                          | 100.00                | 102.00                | 102.00                | 0.64      | 0.65   | 179.43                | -110.00      | 1.10         | 110.01                 | 108.71                  | 1.30                      | 84.719                    |           |
| 200.00                                                                                          | 200.00                | 202.00                | 202.00                | 1.34      | 1.35   | 179.43                | -110.00      | 1.10         | 110.01                 | 107.32                  | 2.68                      | 40.987                    |           |
| 300.00                                                                                          | 300.00                | 302.00                | 302.00                | 1.81      | 1.82   | 179.43                | -110.00      | 1.10         | 110.01                 | 106.38                  | 3.62                      | 30.348                    |           |
| 400.00                                                                                          | 400.00                | 402.00                | 402.00                | 2.18      | 2.19   | 179.43                | -110.00      | 1.10         | 110.01                 | 105.63                  | 4.37                      | 25.154                    |           |
| 500.00                                                                                          | 500.00                | 502.00                | 502.00                | 2.51      | 2.51   | 179.43                | -110.00      | 1.10         | 110.01                 | 104.99                  | 5.02                      | 21.929                    |           |
| 600.00                                                                                          | 600.00                | 602.00                | 602.00                | 2.79      | 2.80   | 179.43                | -110.00      | 1.10         | 110.01                 | 104.41                  | 5.59                      | 19.676                    |           |
| 700.00                                                                                          | 700.00                | 702.00                | 702.00                | 3.06      | 3.06   | 179.43                | -110.00      | 1.10         | 110.01                 | 103.89                  | 6.12                      | 17.987                    |           |
| 800.00                                                                                          | 800.00                | 802.00                | 802.00                | 3.30      | 3.30   | 179.43                | -110.00      | 1.10         | 110.01                 | 103.40                  | 6.60                      | 16.660                    |           |
| 900.00                                                                                          | 900.00                | 902.00                | 902.00                | 3.53      | 3.53   | 179.43                | -110.00      | 1.10         | 110.01                 | 102.94                  | 7.06                      | 15.580                    |           |
| 1,000.00                                                                                        | 1,000.00              | 1,002.00              | 1,002.00              | 3.74      | 3.75   | 179.43                | -110.00      | 1.10         | 110.01                 | 102.51                  | 7.49                      | 14.680                    |           |
| 1,100.00                                                                                        | 1,100.00              | 1,102.00              | 1,102.00              | 3.95      | 3.96   | 179.43                | -110.00      | 1.10         | 110.01                 | 102.10                  | 7.91                      | 13.913                    |           |
| 1,200.00                                                                                        | 1,200.00              | 1,202.00              | 1,202.00              | 4.15      | 4.15   | 179.43                | -110.00      | 1.10         | 110.01                 | 101.70                  | 8.30                      | 13.250                    |           |
| 1,300.00                                                                                        | 1,300.00              | 1,302.00              | 1,302.00              | 4.34      | 4.34   | 179.43                | -110.00      | 1.10         | 110.01                 | 101.32                  | 8.68                      | 12.670                    |           |
| 1,400.00                                                                                        | 1,400.00              | 1,402.00              | 1,402.00              | 4.52      | 4.53   | 179.43                | -110.00      | 1.10         | 110.01                 | 100.96                  | 9.05                      | 12.155                    |           |
| 1,415.99                                                                                        | 1,415.99              | 1,417.99              | 1,417.99              | 4.55      | 4.56   | 179.43                | -110.00      | 1.10         | 110.01                 | 100.90                  | 9.11                      | 12.079 CC                 |           |
| 1,500.00                                                                                        | 1,500.00              | 1,501.96              | 1,501.96              | 4.70      | 4.70   | 179.43                | -110.00      | 1.10         | 110.01                 | 100.60                  | 9.41                      | 11.696 ES                 |           |
| 1,600.00                                                                                        | 1,599.99              | 1,600.00              | 1,599.99              | 4.85      | 4.82   | -86.92                | -110.86      | 0.93         | 110.83                 | 101.17                  | 9.66                      | 11.471                    |           |
| 1,700.00                                                                                        | 1,699.96              | 1,698.18              | 1,698.14              | 5.01      | 4.96   | -87.93                | -113.37      | 0.45         | 113.25                 | 103.30                  | 9.95                      | 11.382                    |           |
| 1,800.00                                                                                        | 1,799.86              | 1,796.13              | 1,796.00              | 5.19      | 5.12   | -89.52                | -117.51      | -0.35        | 117.35                 | 107.10                  | 10.25                     | 11.448                    |           |
| 1,900.00                                                                                        | 1,899.68              | 1,893.88              | 1,893.57              | 5.39      | 5.30   | -91.56                | -123.29      | -1.46        | 123.22                 | 112.65                  | 10.57                     | 11.660                    |           |
| 2,000.00                                                                                        | 1,999.37              | 1,991.37              | 1,990.77              | 5.61      | 5.50   | -93.90                | -130.68      | -2.89        | 130.96                 | 120.06                  | 10.90                     | 12.013                    |           |
| 2,100.00                                                                                        | 2,098.90              | 2,088.54              | 2,087.51              | 5.85      | 5.72   | -96.39                | -139.66      | -4.62        | 140.68                 | 129.42                  | 11.26                     | 12.498                    |           |
| 2,200.00                                                                                        | 2,198.26              | 2,185.34              | 2,183.70              | 6.11      | 5.97   | -98.91                | -150.20      | -6.65        | 152.45                 | 140.82                  | 11.63                     | 13.106                    |           |
| 2,300.00                                                                                        | 2,297.40              | 2,283.80              | 2,281.43              | 6.40      | 6.23   | -101.50               | -161.96      | -8.92        | 165.81                 | 153.76                  | 12.05                     | 13.762                    |           |
| 2,400.00                                                                                        | 2,396.30              | 2,382.42              | 2,379.32              | 6.70      | 6.51   | -104.22               | -173.76      | -11.19       | 179.92                 | 167.43                  | 12.49                     | 14.403                    |           |
| 2,500.00                                                                                        | 2,494.93              | 2,480.83              | 2,477.00              | 7.03      | 6.80   | -107.00               | -185.54      | -13.46       | 194.92                 | 181.96                  | 12.95                     | 15.048                    |           |
| 2,600.00                                                                                        | 2,593.26              | 2,582.94              | 2,578.46              | 7.37      | 7.13   | -110.09               | -196.75      | -15.63       | 210.13                 | 196.66                  | 13.47                     | 15.596                    |           |
| 2,700.00                                                                                        | 2,691.25              | 2,685.62              | 2,680.77              | 7.73      | 7.60   | -113.61               | -205.37      | -17.29       | 224.52                 | 210.43                  | 14.09                     | 15.932                    |           |
| 2,750.22                                                                                        | 2,740.32              | 2,737.11              | 2,732.14              | 7.89      | 7.83   | -115.52               | -208.67      | -17.92       | 231.56                 | 217.19                  | 14.37                     | 16.111                    |           |
| 2,800.00                                                                                        | 2,788.92              | 2,788.11              | 2,783.07              | 8.05      | 8.06   | -117.52               | -211.27      | -18.43       | 238.40                 | 223.76                  | 14.64                     | 16.280                    |           |
| 2,900.00                                                                                        | 2,886.55              | 2,890.48              | 2,885.39              | 8.43      | 8.48   | -121.54               | -214.48      | -19.04       | 251.54                 | 236.34                  | 15.20                     | 16.549                    |           |
| 3,000.00                                                                                        | 2,984.18              | 2,991.27              | 2,986.18              | 8.82      | 8.60   | -125.50               | -215.12      | -19.17       | 264.13                 | 248.56                  | 15.58                     | 16.958                    |           |
| 3,100.00                                                                                        | 3,081.81              | 3,088.90              | 3,083.81              | 9.23      | 8.67   | -129.09               | -215.12      | -19.17       | 277.46                 | 261.49                  | 15.97                     | 17.373                    |           |
| 3,200.00                                                                                        | 3,179.44              | 3,186.53              | 3,181.44              | 9.64      | 8.75   | -132.35               | -215.12      | -19.17       | 291.78                 | 275.37                  | 16.41                     | 17.782                    |           |
| 3,300.00                                                                                        | 3,277.07              | 3,284.16              | 3,279.07              | 10.05     | 8.84   | -135.30               | -215.12      | -19.17       | 306.96                 | 290.09                  | 16.87                     | 18.194                    |           |
| 3,400.00                                                                                        | 3,374.69              | 3,381.79              | 3,376.69              | 10.47     | 8.92   | -137.98               | -215.12      | -19.17       | 322.88                 | 305.53                  | 17.35                     | 18.605                    |           |
| 3,500.00                                                                                        | 3,472.32              | 3,479.42              | 3,474.32              | 10.90     | 9.01   | -140.40               | -215.12      | -19.17       | 339.44                 | 321.58                  | 17.85                     | 19.012                    |           |
| 3,600.00                                                                                        | 3,569.95              | 3,577.05              | 3,571.95              | 11.33     | 9.09   | -142.60               | -215.12      | -19.17       | 356.54                 | 338.17                  | 18.37                     | 19.413                    |           |
| 3,700.00                                                                                        | 3,667.58              | 3,674.68              | 3,669.58              | 11.76     | 9.17   | -144.60               | -215.12      | -19.17       | 374.11                 | 355.22                  | 18.89                     | 19.806                    |           |
| 3,800.00                                                                                        | 3,765.21              | 3,772.30              | 3,767.21              | 12.20     | 9.26   | -146.42               | -215.12      | -19.17       | 392.09                 | 372.67                  | 19.42                     | 20.189                    |           |
| 3,900.00                                                                                        | 3,862.84              | 3,869.93              | 3,864.84              | 12.64     | 9.34   | -148.08               | -215.12      | -19.17       | 410.42                 | 390.46                  | 19.96                     | 20.563                    |           |
| 4,000.00                                                                                        | 3,960.47              | 3,967.56              | 3,962.47              | 13.09     | 9.43   | -149.60               | -215.12      | -19.17       | 429.07                 | 408.56                  | 20.50                     | 20.926                    |           |
| 4,100.00                                                                                        | 4,058.10              | 4,065.19              | 4,060.10              | 13.53     | 9.51   | -150.99               | -215.12      | -19.17       | 447.98                 | 426.93                  | 21.05                     | 21.278                    |           |
| 4,200.00                                                                                        | 4,155.72              | 4,162.82              | 4,157.72              | 13.98     | 9.59   | -152.27               | -215.12      | -19.17       | 467.13                 | 445.53                  | 21.61                     | 21.620                    |           |
| 4,300.00                                                                                        | 4,253.35              | 4,260.45              | 4,255.35              | 14.43     | 9.68   | -153.45               | -215.12      | -19.17       | 486.49                 | 464.33                  | 22.16                     | 21.952                    |           |
| 4,400.00                                                                                        | 4,350.98              | 4,358.08              | 4,352.98              | 14.88     | 9.76   | -154.55               | -215.12      | -19.17       | 506.04                 | 483.32                  | 22.72                     | 22.272                    |           |
| 4,500.00                                                                                        | 4,448.61              | 4,455.71              | 4,450.61              | 15.34     | 9.84   | -155.56               | -215.12      | -19.17       | 525.75                 | 502.47                  | 23.28                     | 22.583                    |           |
| 4,600.00                                                                                        | 4,546.24              | 4,553.33              | 4,548.24              | 15.79     | 9.93   | -156.49               | -215.12      | -19.17       | 545.61                 | 521.76                  | 23.84                     | 22.884                    |           |
| 4,700.00                                                                                        | 4,643.87              | 4,650.96              | 4,645.87              | 16.25     | 10.01  | -157.36               | -215.12      | -19.17       | 565.59                 | 541.19                  | 24.41                     | 23.175                    |           |
| 4,800.00                                                                                        | 4,741.50              | 4,748.59              | 4,743.50              | 16.71     | 10.09  | -158.18               | -215.12      | -19.17       | 585.70                 | 560.73                  | 24.97                     | 23.456                    |           |
| 4,900.00                                                                                        | 4,839.13              | 4,846.22              | 4,841.13              | 17.17     | 10.18  | -158.94               | -215.12      | -19.17       | 605.91                 | 580.38                  | 25.53                     | 23.729                    |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 603H - Wellbore #1 - Plan 1 |                       |                       |                       |                        |               |                       |              |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program:                                                                          |                       | 0-MWD+IGRF            |                       |                        |               | Rule Assigned:        |              |              |                        | Offset Well Error:      |                           | 0.50 usft         |                    |           |
| Reference                                                                                | Offset                | Semi Major Axis       |                       | Offset Wellbore Centre |               | Distance              |              | Warning      |                        |                         |                           |                   |                    |           |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft)       | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |           |
| 5,000.00                                                                                 | 4,936.76              | 4,943.85              | 4,938.76              | 17.63                  | 10.26         | -159.64               | -215.12      | -19.17       | 626.22                 | 600.12                  | 26.10                     | 23.993            |                    |           |
| 5,100.00                                                                                 | 5,034.38              | 5,041.48              | 5,036.38              | 18.09                  | 10.34         | -160.31               | -215.12      | -19.17       | 646.62                 | 619.95                  | 26.67                     | 24.248            |                    |           |
| 5,200.00                                                                                 | 5,132.01              | 5,139.11              | 5,134.01              | 18.55                  | 10.42         | -160.94               | -215.12      | -19.17       | 667.09                 | 639.86                  | 27.23                     | 24.495            |                    |           |
| 5,300.00                                                                                 | 5,229.64              | 5,236.74              | 5,231.64              | 19.01                  | 10.51         | -161.52               | -215.12      | -19.17       | 687.64                 | 659.84                  | 27.80                     | 24.734            |                    |           |
| 5,400.00                                                                                 | 5,327.27              | 5,334.36              | 5,329.27              | 19.48                  | 10.59         | -162.08               | -215.12      | -19.17       | 708.25                 | 679.88                  | 28.37                     | 24.966            |                    |           |
| 5,500.00                                                                                 | 5,424.90              | 5,431.99              | 5,426.90              | 19.94                  | 10.67         | -162.60               | -215.12      | -19.17       | 728.92                 | 699.99                  | 28.94                     | 25.190            |                    |           |
| 5,600.00                                                                                 | 5,522.53              | 5,529.62              | 5,524.53              | 20.41                  | 10.76         | -163.09               | -215.12      | -19.17       | 749.65                 | 720.15                  | 29.50                     | 25.408            |                    |           |
| 5,700.00                                                                                 | 5,620.16              | 5,627.25              | 5,622.16              | 20.87                  | 10.84         | -163.56               | -215.12      | -19.17       | 770.43                 | 740.36                  | 30.07                     | 25.619            |                    |           |
| 5,800.00                                                                                 | 5,717.79              | 5,724.88              | 5,719.79              | 21.34                  | 10.92         | -164.00               | -215.12      | -19.17       | 791.25                 | 760.61                  | 30.64                     | 25.823            |                    |           |
| 5,900.00                                                                                 | 5,815.41              | 5,822.51              | 5,817.41              | 21.81                  | 11.00         | -164.42               | -215.12      | -19.17       | 812.12                 | 780.91                  | 31.21                     | 26.022            |                    |           |
| 6,000.00                                                                                 | 5,913.04              | 5,920.14              | 5,915.04              | 22.28                  | 11.09         | -164.82               | -215.12      | -19.17       | 833.03                 | 801.25                  | 31.78                     | 26.214            |                    |           |
| 6,100.00                                                                                 | 6,010.67              | 6,017.77              | 6,012.67              | 22.75                  | 11.17         | -165.20               | -215.12      | -19.17       | 853.97                 | 821.63                  | 32.35                     | 26.401            |                    |           |
| 6,200.00                                                                                 | 6,108.30              | 6,115.39              | 6,110.30              | 23.22                  | 11.25         | -165.56               | -215.12      | -19.17       | 874.95                 | 842.04                  | 32.91                     | 26.582            |                    |           |
| 6,300.00                                                                                 | 6,205.93              | 6,213.02              | 6,207.93              | 23.68                  | 11.33         | -165.91               | -215.12      | -19.17       | 895.96                 | 862.48                  | 33.48                     | 26.758            |                    |           |
| 6,400.00                                                                                 | 6,303.56              | 6,310.65              | 6,305.56              | 24.16                  | 11.42         | -166.24               | -215.12      | -19.17       | 917.00                 | 882.95                  | 34.05                     | 26.929            |                    |           |
| 6,500.00                                                                                 | 6,401.19              | 6,408.28              | 6,403.19              | 24.63                  | 11.50         | -166.55               | -215.12      | -19.17       | 938.07                 | 903.45                  | 34.62                     | 27.096            |                    |           |
| 6,600.00                                                                                 | 6,498.82              | 6,505.91              | 6,500.82              | 25.10                  | 11.58         | -166.85               | -215.12      | -19.17       | 959.16                 | 923.97                  | 35.19                     | 27.257            |                    |           |
| 6,700.00                                                                                 | 6,596.44              | 6,603.54              | 6,598.44              | 25.57                  | 11.66         | -167.14               | -215.12      | -19.17       | 980.28                 | 944.52                  | 35.76                     | 27.415            |                    |           |
| 17,700.00                                                                                | 9,570.00              | 19,516.64             | 11,400.00             | 160.55                 | 157.86        | 144.17                | 8,101.17     | -74.47       | 2,254.74               | 2,027.02                | 227.72                    | 9.901             |                    |           |
| 17,800.00                                                                                | 9,570.00              | 19,616.64             | 11,400.00             | 162.40                 | 159.77        | 144.17                | 8,201.17     | -75.14       | 2,254.74               | 2,024.50                | 230.24                    | 9.793             |                    |           |
| 17,900.00                                                                                | 9,570.00              | 19,716.64             | 11,400.00             | 164.25                 | 161.68        | 144.17                | 8,301.17     | -75.80       | 2,254.74               | 2,021.98                | 232.76                    | 9.687             |                    |           |
| 18,000.00                                                                                | 9,570.00              | 19,816.64             | 11,400.00             | 166.11                 | 163.58        | 144.17                | 8,401.17     | -76.47       | 2,254.74               | 2,019.45                | 235.28                    | 9.583             |                    |           |
| 18,100.00                                                                                | 9,570.00              | 19,916.64             | 11,400.00             | 167.96                 | 165.49        | 144.17                | 8,501.17     | -77.13       | 2,254.73               | 2,016.93                | 237.80                    | 9.482             |                    |           |
| 18,200.00                                                                                | 9,570.00              | 20,016.64             | 11,400.00             | 169.82                 | 167.40        | 144.17                | 8,601.16     | -77.80       | 2,254.73               | 2,014.41                | 240.33                    | 9.382             |                    |           |
| 18,300.00                                                                                | 9,570.00              | 20,116.64             | 11,400.00             | 171.68                 | 169.31        | 144.17                | 8,701.16     | -78.46       | 2,254.73               | 2,011.88                | 242.85                    | 9.284             |                    |           |
| 18,400.00                                                                                | 9,570.00              | 20,216.64             | 11,400.00             | 173.54                 | 171.21        | 144.17                | 8,801.16     | -79.13       | 2,254.73               | 2,009.35                | 245.38                    | 9.189             |                    |           |
| 18,500.00                                                                                | 9,570.00              | 20,316.64             | 11,400.00             | 175.40                 | 173.12        | 144.17                | 8,901.16     | -79.79       | 2,254.73               | 2,006.83                | 247.90                    | 9.095             |                    |           |
| 18,600.00                                                                                | 9,570.00              | 20,416.64             | 11,400.00             | 177.26                 | 175.03        | 144.17                | 9,001.15     | -80.46       | 2,254.73               | 2,004.30                | 250.43                    | 9.003             |                    |           |
| 18,700.00                                                                                | 9,570.00              | 20,516.64             | 11,400.00             | 179.12                 | 176.94        | 144.17                | 9,101.15     | -81.12       | 2,254.73               | 2,001.77                | 252.96                    | 8.913             |                    |           |
| 18,800.00                                                                                | 9,570.00              | 20,616.64             | 11,400.00             | 180.99                 | 178.84        | 144.17                | 9,201.15     | -81.79       | 2,254.73               | 1,999.24                | 255.49                    | 8.825             |                    |           |
| 18,900.00                                                                                | 9,570.00              | 20,716.64             | 11,400.00             | 182.85                 | 180.75        | 144.17                | 9,301.15     | -82.45       | 2,254.73               | 1,996.71                | 258.02                    | 8.739             |                    |           |
| 19,000.00                                                                                | 9,570.00              | 20,816.64             | 11,400.00             | 184.72                 | 182.66        | 144.17                | 9,401.15     | -83.12       | 2,254.73               | 1,994.17                | 260.55                    | 8.654             |                    |           |
| 19,100.00                                                                                | 9,570.00              | 20,916.64             | 11,400.00             | 186.59                 | 184.57        | 144.17                | 9,501.14     | -83.78       | 2,254.72               | 1,991.64                | 263.08                    | 8.570             |                    |           |
| 19,200.00                                                                                | 9,570.00              | 21,016.64             | 11,400.00             | 188.45                 | 186.48        | 144.17                | 9,601.14     | -84.45       | 2,254.72               | 1,989.11                | 265.62                    | 8.489             |                    |           |
| 19,300.00                                                                                | 9,570.00              | 21,116.64             | 11,400.00             | 190.32                 | 188.39        | 144.17                | 9,701.14     | -85.11       | 2,254.72               | 1,986.57                | 268.15                    | 8.408             |                    |           |
| 19,400.00                                                                                | 9,570.00              | 21,216.64             | 11,400.00             | 192.19                 | 190.30        | 144.17                | 9,801.14     | -85.78       | 2,254.72               | 1,984.03                | 270.69                    | 8.330             |                    |           |
| 19,500.00                                                                                | 9,570.00              | 21,316.64             | 11,400.00             | 194.06                 | 192.20        | 144.17                | 9,901.13     | -86.44       | 2,254.72               | 1,981.50                | 273.22                    | 8.252             |                    |           |
| 19,600.00                                                                                | 9,570.00              | 21,416.64             | 11,400.00             | 195.93                 | 194.11        | 144.17                | 10,001.13    | -87.11       | 2,254.72               | 1,978.96                | 275.76                    | 8.176             |                    |           |
| 19,700.00                                                                                | 9,570.00              | 21,516.64             | 11,400.00             | 197.81                 | 196.02        | 144.17                | 10,101.13    | -87.78       | 2,254.72               | 1,976.42                | 278.30                    | 8.102             |                    |           |
| 19,793.00                                                                                | 9,570.00              | 21,609.65             | 11,400.00             | 199.43                 | 197.80        | 144.17                | 10,194.13    | -88.39       | 2,254.72               | 1,974.31                | 280.41                    | 8.041             |                    |           |
| 19,796.75                                                                                | 9,570.00              | 21,610.61             | 11,400.00             | 199.50                 | 197.82        | 144.17                | 10,195.10    | -88.40       | 2,254.72               | 1,974.29                | 280.43                    | 8.040 SF          |                    |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                          |                           |           |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|--------------------------|---------------------------|-----------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 604H - Wellbore #1 - Plan 1 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                          | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                          | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Separation Factor</b> | <b>Warning</b>            |           |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                          |                           |           |
| 17,800.00                                                                                       | 9,570.00                     | 19,477.46                    | 11,230.00                    | 162.40                  | 159.97               | 125.48                       | 8,207.60                      | 925.06              | 2,849.37                      | 2,563.24                       | 286.13                   | 9.958                     | CC        |
| 17,900.00                                                                                       | 9,570.00                     | 19,577.46                    | 11,230.00                    | 164.25                  | 161.85               | 125.48                       | 8,307.60                      | 924.40              | 2,849.37                      | 2,560.06                       | 289.31                   | 9.849                     |           |
| 18,000.00                                                                                       | 9,570.00                     | 19,677.46                    | 11,230.00                    | 166.11                  | 163.74               | 125.48                       | 8,407.60                      | 923.75              | 2,849.38                      | 2,556.89                       | 292.49                   | 9.742                     |           |
| 18,100.00                                                                                       | 9,570.00                     | 19,777.46                    | 11,230.00                    | 167.96                  | 165.63               | 125.48                       | 8,507.60                      | 923.09              | 2,849.38                      | 2,553.71                       | 295.67                   | 9.637                     |           |
| 18,200.00                                                                                       | 9,570.00                     | 19,877.46                    | 11,230.00                    | 169.82                  | 167.52               | 125.48                       | 8,607.59                      | 922.44              | 2,849.39                      | 2,550.53                       | 298.86                   | 9.534                     |           |
| 18,300.00                                                                                       | 9,570.00                     | 19,977.46                    | 11,230.00                    | 171.68                  | 169.41               | 125.48                       | 8,707.59                      | 921.78              | 2,849.40                      | 2,547.36                       | 302.04                   | 9.434                     |           |
| 18,400.00                                                                                       | 9,570.00                     | 20,077.46                    | 11,230.00                    | 173.54                  | 171.31               | 125.48                       | 8,807.59                      | 921.13              | 2,849.40                      | 2,544.17                       | 305.23                   | 9.335                     |           |
| 18,500.00                                                                                       | 9,570.00                     | 20,177.46                    | 11,230.00                    | 175.40                  | 173.20               | 125.48                       | 8,907.59                      | 920.47              | 2,849.41                      | 2,540.99                       | 308.42                   | 9.239                     |           |
| 18,600.00                                                                                       | 9,570.00                     | 20,277.46                    | 11,230.00                    | 177.26                  | 175.09               | 125.48                       | 9,007.58                      | 919.81              | 2,849.42                      | 2,537.81                       | 311.61                   | 9.144                     |           |
| 18,700.00                                                                                       | 9,570.00                     | 20,377.46                    | 11,230.00                    | 179.12                  | 176.98               | 125.48                       | 9,107.58                      | 919.16              | 2,849.42                      | 2,534.63                       | 314.80                   | 9.052                     |           |
| 18,800.00                                                                                       | 9,570.00                     | 20,477.46                    | 11,230.00                    | 180.99                  | 178.87               | 125.48                       | 9,207.58                      | 918.50              | 2,849.43                      | 2,531.44                       | 317.99                   | 8.961                     |           |
| 18,900.00                                                                                       | 9,570.00                     | 20,577.46                    | 11,230.00                    | 182.85                  | 180.77               | 125.48                       | 9,307.58                      | 917.85              | 2,849.43                      | 2,528.25                       | 321.18                   | 8.872                     |           |
| 19,000.00                                                                                       | 9,570.00                     | 20,677.46                    | 11,230.00                    | 184.72                  | 182.66               | 125.48                       | 9,407.58                      | 917.19              | 2,849.44                      | 2,525.07                       | 324.38                   | 8.784                     |           |
| 19,100.00                                                                                       | 9,570.00                     | 20,777.46                    | 11,230.00                    | 186.59                  | 184.56               | 125.48                       | 9,507.57                      | 916.54              | 2,849.45                      | 2,521.88                       | 327.57                   | 8.699                     |           |
| 19,200.00                                                                                       | 9,570.00                     | 20,877.46                    | 11,230.00                    | 188.45                  | 186.45               | 125.48                       | 9,607.57                      | 915.88              | 2,849.45                      | 2,518.69                       | 330.77                   | 8.615                     |           |
| 19,300.00                                                                                       | 9,570.00                     | 20,977.46                    | 11,230.00                    | 190.32                  | 188.35               | 125.48                       | 9,707.57                      | 915.23              | 2,849.46                      | 2,515.50                       | 333.96                   | 8.532                     |           |
| 19,400.00                                                                                       | 9,570.00                     | 21,077.46                    | 11,230.00                    | 192.19                  | 190.24               | 125.48                       | 9,807.57                      | 914.57              | 2,849.47                      | 2,512.30                       | 337.16                   | 8.451                     |           |
| 19,500.00                                                                                       | 9,570.00                     | 21,177.46                    | 11,230.00                    | 194.06                  | 192.14               | 125.48                       | 9,907.57                      | 913.92              | 2,849.47                      | 2,509.11                       | 340.36                   | 8.372                     |           |
| 19,600.00                                                                                       | 9,570.00                     | 21,277.46                    | 11,230.00                    | 195.93                  | 194.03               | 125.48                       | 10,007.56                     | 913.26              | 2,849.48                      | 2,505.92                       | 343.56                   | 8.294                     |           |
| 19,700.00                                                                                       | 9,570.00                     | 21,377.46                    | 11,230.00                    | 197.81                  | 195.93               | 125.48                       | 10,107.56                     | 912.60              | 2,849.49                      | 2,502.72                       | 346.76                   | 8.217                     |           |
| 19,707.00                                                                                       | 9,570.00                     | 21,384.46                    | 11,230.00                    | 197.93                  | 196.06               | 125.48                       | 10,114.56                     | 912.56              | 2,849.49                      | 2,502.52                       | 346.97                   | 8.212                     |           |
| 19,796.75                                                                                       | 9,570.00                     | 21,470.20                    | 11,230.00                    | 199.50                  | 197.70               | 125.48                       | 10,200.29                     | 912.00              | 2,849.49                      | 2,499.95                       | 349.54                   | 8.152                     | ES, SF    |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 704H - Wellbore #1 - Actual |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 79-GYRO-NS, 3401-MWD+IGRF                                                |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 2,900.00                                                                                        | 2,886.55                     | 2,890.21                     | 2,890.07                     | 8.43                    | 10.32                | -4.16                        | -149.10                       | -1,139.31           | 981.14                        | 962.40                         | 18.74                            | 52.368                   |                                     |
| 3,000.00                                                                                        | 2,984.18                     | 2,985.24                     | 2,985.11                     | 8.82                    | 10.66                | -4.26                        | -149.01                       | -1,138.61           | 958.82                        | 939.36                         | 19.46                            | 49.262                   |                                     |
| 3,100.00                                                                                        | 3,081.81                     | 3,081.97                     | 3,081.84                     | 9.23                    | 11.00                | -4.36                        | -149.05                       | -1,138.07           | 936.70                        | 916.49                         | 20.21                            | 46.359                   |                                     |
| 3,200.00                                                                                        | 3,179.44                     | 3,178.35                     | 3,178.22                     | 9.64                    | 11.34                | -4.47                        | -149.03                       | -1,137.59           | 914.63                        | 893.68                         | 20.95                            | 43.652                   |                                     |
| 3,300.00                                                                                        | 3,277.07                     | 3,272.53                     | 3,272.39                     | 10.05                   | 11.57                | -4.58                        | -149.10                       | -1,137.34           | 892.80                        | 871.19                         | 21.61                            | 41.319                   |                                     |
| 3,400.00                                                                                        | 3,374.69                     | 3,366.15                     | 3,366.02                     | 10.47                   | 11.77                | -4.72                        | -149.65                       | -1,137.44           | 871.41                        | 849.18                         | 22.23                            | 39.199                   |                                     |
| 3,500.00                                                                                        | 3,472.32                     | 3,463.86                     | 3,463.71                     | 10.90                   | 11.89                | -4.90                        | -150.59                       | -1,137.80           | 850.33                        | 827.55                         | 22.78                            | 37.332                   |                                     |
| 3,600.00                                                                                        | 3,569.95                     | 3,558.34                     | 3,558.19                     | 11.33                   | 11.95                | -5.08                        | -151.46                       | -1,138.15           | 829.26                        | 805.99                         | 23.27                            | 35.631                   |                                     |
| 3,700.00                                                                                        | 3,667.58                     | 3,651.70                     | 3,651.54                     | 11.76                   | 12.01                | -5.30                        | -152.83                       | -1,138.99           | 808.79                        | 785.02                         | 23.77                            | 34.024                   |                                     |
| 3,800.00                                                                                        | 3,765.21                     | 3,748.81                     | 3,748.63                     | 12.20                   | 12.08                | -5.52                        | -154.02                       | -1,140.26           | 788.69                        | 764.41                         | 24.28                            | 32.489                   |                                     |
| 3,900.00                                                                                        | 3,862.84                     | 3,848.56                     | 3,848.37                     | 12.64                   | 12.16                | -5.70                        | -154.60                       | -1,141.55           | 768.48                        | 743.70                         | 24.78                            | 31.006                   |                                     |
| 4,000.00                                                                                        | 3,960.47                     | 3,945.86                     | 3,945.66                     | 13.09                   | 12.24                | -5.88                        | -155.03                       | -1,142.67           | 748.13                        | 722.82                         | 25.30                            | 29.566                   |                                     |
| 4,100.00                                                                                        | 4,058.10                     | 4,045.05                     | 4,044.85                     | 13.53                   | 12.33                | -6.10                        | -155.66                       | -1,143.86           | 727.85                        | 702.02                         | 25.83                            | 28.183                   |                                     |
| 4,200.00                                                                                        | 4,155.72                     | 4,145.76                     | 4,145.55                     | 13.98                   | 12.41                | -6.30                        | -155.97                       | -1,144.76           | 707.24                        | 680.89                         | 26.35                            | 26.842                   |                                     |
| 4,300.00                                                                                        | 4,253.35                     | 4,247.09                     | 4,246.88                     | 14.43                   | 12.49                | -6.49                        | -155.83                       | -1,145.28           | 686.19                        | 659.33                         | 26.86                            | 25.543                   |                                     |
| 4,400.00                                                                                        | 4,350.98                     | 4,345.06                     | 4,344.85                     | 14.88                   | 12.55                | -6.72                        | -156.07                       | -1,145.39           | 664.83                        | 637.46                         | 27.38                            | 24.285                   |                                     |
| 4,500.00                                                                                        | 4,448.61                     | 4,442.36                     | 4,442.14                     | 15.34                   | 12.64                | -7.00                        | -156.74                       | -1,145.46           | 643.53                        | 615.61                         | 27.91                            | 23.055                   |                                     |
| 4,600.00                                                                                        | 4,546.24                     | 4,545.17                     | 4,544.95                     | 15.79                   | 12.70                | -7.31                        | -157.31                       | -1,145.21           | 621.91                        | 593.51                         | 28.40                            | 21.897                   |                                     |
| 4,700.00                                                                                        | 4,643.87                     | 4,642.01                     | 4,641.79                     | 16.25                   | 12.75                | -7.65                        | -157.96                       | -1,144.53           | 599.89                        | 571.00                         | 28.89                            | 20.764                   |                                     |
| 4,800.00                                                                                        | 4,741.50                     | 4,734.48                     | 4,734.26                     | 16.71                   | 12.81                | -7.97                        | -158.41                       | -1,144.38           | 578.37                        | 548.96                         | 29.41                            | 19.665                   |                                     |
| 4,900.00                                                                                        | 4,839.13                     | 4,829.18                     | 4,828.95                     | 17.17                   | 12.90                | -8.30                        | -158.85                       | -1,144.93           | 557.59                        | 527.63                         | 29.96                            | 18.613                   |                                     |
| 5,000.00                                                                                        | 4,936.76                     | 4,925.20                     | 4,924.97                     | 17.63                   | 12.99                | -8.65                        | -159.28                       | -1,145.92           | 537.25                        | 506.74                         | 30.51                            | 17.609                   |                                     |
| 5,100.00                                                                                        | 5,034.38                     | 5,021.74                     | 5,021.49                     | 18.09                   | 13.09                | -9.00                        | -159.52                       | -1,147.25           | 517.21                        | 486.14                         | 31.07                            | 16.648                   |                                     |
| 5,200.00                                                                                        | 5,132.01                     | 5,125.52                     | 5,125.27                     | 18.55                   | 13.16                | -9.33                        | -159.10                       | -1,148.39           | 496.79                        | 465.21                         | 31.58                            | 15.730                   |                                     |
| 5,300.00                                                                                        | 5,229.64                     | 5,221.93                     | 5,221.67                     | 19.01                   | 13.21                | -9.62                        | -158.19                       | -1,149.11           | 475.91                        | 443.80                         | 32.11                            | 14.819                   |                                     |
| 5,400.00                                                                                        | 5,327.27                     | 5,319.11                     | 5,318.84                     | 19.48                   | 13.28                | -9.92                        | -157.22                       | -1,150.03           | 455.24                        | 422.59                         | 32.65                            | 13.943                   |                                     |
| 5,500.00                                                                                        | 5,424.90                     | 5,417.73                     | 5,417.45                     | 19.94                   | 13.33                | -10.23                       | -156.00                       | -1,150.99           | 434.55                        | 401.38                         | 33.17                            | 13.101                   |                                     |
| 5,600.00                                                                                        | 5,522.53                     | 5,513.91                     | 5,513.62                     | 20.41                   | 13.39                | -10.56                       | -154.82                       | -1,151.86           | 413.81                        | 380.10                         | 33.71                            | 12.277                   |                                     |
| 5,700.00                                                                                        | 5,620.16                     | 5,604.15                     | 5,603.84                     | 20.87                   | 13.49                | -11.14                       | -155.58                       | -1,153.48           | 394.43                        | 360.12                         | 34.31                            | 11.495                   |                                     |
| 5,800.00                                                                                        | 5,717.79                     | 5,696.50                     | 5,696.07                     | 21.34                   | 13.65                | -12.18                       | -159.27                       | -1,156.02           | 376.86                        | 341.91                         | 34.95                            | 10.783                   |                                     |
| 5,900.00                                                                                        | 5,815.41                     | 5,790.94                     | 5,790.32                     | 21.81                   | 13.81                | -13.52                       | -164.41                       | -1,159.41           | 360.66                        | 325.10                         | 35.56                            | 10.142                   |                                     |
| 6,000.00                                                                                        | 5,913.04                     | 5,886.49                     | 5,885.59                     | 22.28                   | 13.95                | -15.08                       | -170.41                       | -1,163.58           | 345.67                        | 309.53                         | 36.14                            | 9.565                    |                                     |
| 6,100.00                                                                                        | 6,010.67                     | 5,983.40                     | 5,982.17                     | 22.75                   | 14.11                | -16.85                       | -176.93                       | -1,168.18           | 331.48                        | 294.77                         | 36.71                            | 9.029                    |                                     |
| 6,200.00                                                                                        | 6,108.30                     | 6,080.06                     | 6,078.45                     | 23.22                   | 14.27                | -18.79                       | -183.80                       | -1,173.23           | 318.23                        | 280.95                         | 37.29                            | 8.535                    |                                     |
| 6,300.00                                                                                        | 6,205.93                     | 6,177.79                     | 6,175.75                     | 23.68                   | 14.45                | -20.97                       | -191.13                       | -1,178.58           | 305.77                        | 267.92                         | 37.85                            | 8.078                    |                                     |
| 6,400.00                                                                                        | 6,303.56                     | 6,275.26                     | 6,272.78                     | 24.16                   | 14.63                | -23.36                       | -198.77                       | -1,183.99           | 294.03                        | 255.62                         | 38.41                            | 7.655                    |                                     |
| 6,500.00                                                                                        | 6,401.19                     | 6,373.75                     | 6,370.79                     | 24.63                   | 14.83                | -25.87                       | -206.25                       | -1,190.08           | 283.26                        | 244.31                         | 38.96                            | 7.271                    |                                     |
| 6,586.76                                                                                        | 6,485.89                     | 6,431.00                     | 6,427.82                     | 25.03                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 275.50                        | 236.14                         | 39.36                            | 6.999 CC, ES, SF         |                                     |
| 6,600.00                                                                                        | 6,498.82                     | 6,431.00                     | 6,427.82                     | 25.10                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 275.82                        | 236.53                         | 39.29                            | 7.019                    |                                     |
| 6,700.00                                                                                        | 6,596.44                     | 6,431.00                     | 6,427.82                     | 25.57                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 297.87                        | 260.86                         | 37.01                            | 8.049                    |                                     |
| 6,800.00                                                                                        | 6,694.07                     | 6,431.00                     | 6,427.82                     | 26.04                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 348.38                        | 315.06                         | 33.33                            | 10.453                   |                                     |
| 6,900.00                                                                                        | 6,791.70                     | 6,431.00                     | 6,427.82                     | 26.51                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 417.16                        | 387.04                         | 30.12                            | 13.852                   |                                     |
| 7,000.00                                                                                        | 6,889.33                     | 6,431.00                     | 6,427.82                     | 26.98                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 496.66                        | 468.84                         | 27.82                            | 17.855                   |                                     |
| 7,100.00                                                                                        | 6,986.96                     | 6,431.00                     | 6,427.82                     | 27.46                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 582.51                        | 556.22                         | 26.28                            | 22.164                   |                                     |
| 7,200.00                                                                                        | 7,084.59                     | 6,431.00                     | 6,427.82                     | 27.93                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 672.28                        | 647.00                         | 25.28                            | 26.591                   |                                     |
| 7,300.00                                                                                        | 7,182.22                     | 6,431.00                     | 6,427.82                     | 28.40                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 764.60                        | 739.95                         | 24.64                            | 31.026                   |                                     |
| 7,400.00                                                                                        | 7,279.85                     | 6,431.00                     | 6,427.82                     | 28.88                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 858.64                        | 834.39                         | 24.25                            | 35.410                   |                                     |
| 7,500.00                                                                                        | 7,377.47                     | 6,431.00                     | 6,427.82                     | 29.35                   | 14.95                | -27.14                       | -209.30                       | -1,194.07           | 953.89                        | 929.87                         | 24.02                            | 39.712                   |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                  |               |                              |                               |                     |                               |                                |                                  |                           |                |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------|---------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 704H - Wellbore #1 - Plan 4 |                              |                              |                              |                  |               |                              |                               |                     |                               |                                |                                  | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 79-GYRO-NS, 3205-MWD+IGRF                                                |                              |                              |                              |                  |               |                              |                               |                     |                               |                                |                                  | <b>Offset Well Error:</b> | 0.50 usft      |
| <b>Reference</b>                                                                                |                              |                              |                              |                  |               |                              |                               |                     |                               |                                |                                  | <b>Rule Assigned:</b>     |                |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference</b> | <b>Offset</b> | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
|                                                                                                 |                              |                              |                              |                  |               |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                           |                |
| 2,900.00                                                                                        | 2,886.55                     | 2,890.21                     | 2,890.07                     | 8.43             | 10.32         | -4.16                        | -149.10                       | -1,139.31           | 981.14                        | 962.40                         | 18.74                            | 52.368                    |                |
| 3,000.00                                                                                        | 2,984.18                     | 2,985.24                     | 2,985.11                     | 8.82             | 10.66         | -4.26                        | -149.01                       | -1,138.61           | 958.82                        | 939.36                         | 19.46                            | 49.262                    |                |
| 3,100.00                                                                                        | 3,081.81                     | 3,081.97                     | 3,081.84                     | 9.23             | 11.00         | -4.36                        | -149.05                       | -1,138.07           | 936.70                        | 916.49                         | 20.21                            | 46.359                    |                |
| 3,200.00                                                                                        | 3,179.44                     | 3,178.35                     | 3,178.22                     | 9.64             | 11.34         | -4.47                        | -149.03                       | -1,137.59           | 914.63                        | 893.68                         | 20.95                            | 43.652                    |                |
| 3,300.00                                                                                        | 3,277.07                     | 3,275.47                     | 3,275.33                     | 10.05            | 11.57         | -4.57                        | -148.96                       | -1,137.24           | 892.68                        | 871.08                         | 21.60                            | 41.332                    |                |
| 3,400.00                                                                                        | 3,374.69                     | 3,373.02                     | 3,372.88                     | 10.47            | 11.64         | -4.68                        | -148.89                       | -1,136.89           | 870.74                        | 848.66                         | 22.09                            | 39.421                    |                |
| 3,500.00                                                                                        | 3,472.32                     | 3,470.57                     | 3,470.43                     | 10.90            | 11.69         | -4.80                        | -148.82                       | -1,136.54           | 848.81                        | 826.24                         | 22.57                            | 37.608                    |                |
| 3,600.00                                                                                        | 3,569.95                     | 3,568.12                     | 3,567.98                     | 11.33            | 11.76         | -4.93                        | -148.75                       | -1,136.19           | 826.88                        | 803.81                         | 23.07                            | 35.849                    |                |
| 3,700.00                                                                                        | 3,667.58                     | 3,665.67                     | 3,665.53                     | 11.76            | 11.83         | -5.06                        | -148.67                       | -1,135.84           | 804.95                        | 781.38                         | 23.57                            | 34.153                    |                |
| 3,800.00                                                                                        | 3,765.21                     | 3,763.22                     | 3,763.08                     | 12.20            | 11.90         | -5.20                        | -148.60                       | -1,135.49           | 783.03                        | 758.95                         | 24.08                            | 32.520                    |                |
| 3,900.00                                                                                        | 3,862.84                     | 3,860.77                     | 3,860.63                     | 12.64            | 11.98         | -5.34                        | -148.53                       | -1,135.14           | 761.11                        | 736.52                         | 24.59                            | 30.949                    |                |
| 4,000.00                                                                                        | 3,960.47                     | 3,958.32                     | 3,958.17                     | 13.09            | 12.06         | -5.50                        | -148.46                       | -1,134.78           | 739.20                        | 714.09                         | 25.11                            | 29.437                    |                |
| 4,100.00                                                                                        | 4,058.10                     | 4,055.87                     | 4,055.72                     | 13.53            | 12.14         | -5.66                        | -148.39                       | -1,134.43           | 717.29                        | 691.66                         | 25.64                            | 27.980                    |                |
| 4,200.00                                                                                        | 4,155.72                     | 4,153.42                     | 4,153.27                     | 13.98            | 12.22         | -5.84                        | -148.31                       | -1,134.08           | 695.39                        | 669.23                         | 26.16                            | 26.578                    |                |
| 4,300.00                                                                                        | 4,253.35                     | 4,250.96                     | 4,250.82                     | 14.43            | 12.31         | -6.02                        | -148.24                       | -1,133.73           | 673.49                        | 646.80                         | 26.70                            | 25.228                    |                |
| 4,400.00                                                                                        | 4,350.98                     | 4,348.51                     | 4,348.37                     | 14.88            | 12.39         | -6.22                        | -148.17                       | -1,133.38           | 651.61                        | 624.37                         | 27.23                            | 23.928                    |                |
| 4,500.00                                                                                        | 4,448.61                     | 4,446.06                     | 4,445.92                     | 15.34            | 12.48         | -6.43                        | -148.10                       | -1,133.03           | 629.73                        | 601.96                         | 27.77                            | 22.675                    |                |
| 4,600.00                                                                                        | 4,546.24                     | 4,543.61                     | 4,543.47                     | 15.79            | 12.57         | -6.66                        | -148.03                       | -1,132.68           | 607.86                        | 579.54                         | 28.31                            | 21.468                    |                |
| 4,700.00                                                                                        | 4,643.87                     | 4,641.16                     | 4,641.02                     | 16.25            | 12.67         | -6.91                        | -147.95                       | -1,132.33           | 586.00                        | 557.13                         | 28.86                            | 20.304                    |                |
| 4,800.00                                                                                        | 4,741.50                     | 4,738.71                     | 4,738.57                     | 16.71            | 12.76         | -7.17                        | -147.88                       | -1,131.98           | 564.14                        | 534.74                         | 29.41                            | 19.182                    |                |
| 4,900.00                                                                                        | 4,839.13                     | 4,836.26                     | 4,836.11                     | 17.17            | 12.86         | -7.46                        | -147.81                       | -1,131.63           | 542.31                        | 512.35                         | 29.96                            | 18.100                    |                |
| 5,000.00                                                                                        | 4,936.76                     | 4,933.81                     | 4,933.66                     | 17.63            | 12.96         | -7.76                        | -147.74                       | -1,131.28           | 520.48                        | 489.97                         | 30.52                            | 17.056                    |                |
| 5,100.00                                                                                        | 5,034.38                     | 5,031.36                     | 5,031.21                     | 18.09            | 13.06         | -8.10                        | -147.67                       | -1,130.93           | 498.68                        | 467.60                         | 31.07                            | 16.049                    |                |
| 5,200.00                                                                                        | 5,132.01                     | 5,128.91                     | 5,128.76                     | 18.55            | 13.17         | -8.47                        | -147.59                       | -1,130.58           | 476.88                        | 445.25                         | 31.63                            | 15.077                    |                |
| 5,300.00                                                                                        | 5,229.64                     | 5,226.46                     | 5,226.31                     | 19.01            | 13.27         | -8.87                        | -147.52                       | -1,130.23           | 455.11                        | 422.93                         | 32.19                            | 14.139                    |                |
| 5,400.00                                                                                        | 5,327.27                     | 5,324.01                     | 5,323.86                     | 19.48            | 13.38         | -9.31                        | -147.45                       | -1,129.88           | 433.37                        | 400.62                         | 32.75                            | 13.232                    |                |
| 5,500.00                                                                                        | 5,424.90                     | 5,421.56                     | 5,421.41                     | 19.94            | 13.49         | -9.80                        | -147.38                       | -1,129.53           | 411.65                        | 378.34                         | 33.31                            | 12.357                    |                |
| 5,600.00                                                                                        | 5,522.53                     | 5,519.11                     | 5,518.96                     | 20.41            | 13.59         | -10.34                       | -147.31                       | -1,129.18           | 389.96                        | 356.09                         | 33.87                            | 11.514                    |                |
| 5,700.00                                                                                        | 5,620.16                     | 5,614.74                     | 5,614.58                     | 20.87            | 13.65         | -10.99                       | -147.59                       | -1,128.92           | 368.48                        | 334.09                         | 34.39                            | 10.713                    |                |
| 5,800.00                                                                                        | 5,717.79                     | 5,709.62                     | 5,709.45                     | 21.34            | 13.70         | -11.93                       | -149.34                       | -1,128.99           | 347.79                        | 312.89                         | 34.90                            | 9.966                     |                |
| 5,900.00                                                                                        | 5,815.41                     | 5,804.61                     | 5,804.39                     | 21.81            | 13.73         | -13.22                       | -152.61                       | -1,129.40           | 328.00                        | 292.63                         | 35.37                            | 9.274                     |                |
| 6,000.00                                                                                        | 5,913.04                     | 5,900.00                     | 5,899.64                     | 22.28            | 13.76         | -14.94                       | -157.45                       | -1,130.17           | 309.24                        | 273.43                         | 35.82                            | 8.634                     |                |
| 6,100.00                                                                                        | 6,010.67                     | 5,995.79                     | 5,995.22                     | 22.75            | 13.78         | -17.12                       | -163.74                       | -1,131.27           | 291.64                        | 255.44                         | 36.20                            | 8.056                     |                |
| 6,200.00                                                                                        | 6,108.30                     | 6,093.54                     | 6,092.73                     | 23.22            | 13.82         | -19.68                       | -170.46                       | -1,132.45           | 274.71                        | 238.15                         | 36.56                            | 7.513                     |                |
| 6,300.00                                                                                        | 6,205.93                     | 6,191.30                     | 6,190.25                     | 23.68            | 13.88         | -22.55                       | -177.17                       | -1,133.63           | 258.38                        | 221.48                         | 36.90                            | 7.002                     |                |
| 6,400.00                                                                                        | 6,303.56                     | 6,289.05                     | 6,287.77                     | 24.16            | 13.95         | -25.80                       | -183.89                       | -1,134.82           | 242.79                        | 205.58                         | 37.21                            | 6.525                     |                |
| 6,500.00                                                                                        | 6,401.19                     | 6,386.26                     | 6,384.74                     | 24.63            | 14.00         | -29.43                       | -190.54                       | -1,136.06           | 228.11                        | 190.65                         | 37.46                            | 6.090                     |                |
| 6,600.00                                                                                        | 6,498.82                     | 6,482.57                     | 6,480.83                     | 25.10            | 14.06         | -33.20                       | -196.56                       | -1,138.36           | 215.01                        | 177.32                         | 37.70                            | 5.704                     |                |
| 6,700.00                                                                                        | 6,596.44                     | 6,579.48                     | 6,577.52                     | 25.57            | 14.10         | -37.01                       | -201.87                       | -1,142.13           | 203.61                        | 165.68                         | 37.93                            | 5.369                     |                |
| 6,800.00                                                                                        | 6,694.07                     | 6,676.95                     | 6,674.75                     | 26.04            | 14.13         | -40.80                       | -206.45                       | -1,147.38           | 193.75                        | 155.60                         | 38.16                            | 5.078                     |                |
| 6,900.00                                                                                        | 6,791.70                     | 6,774.94                     | 6,772.42                     | 26.51            | 14.15         | -44.49                       | -210.28                       | -1,154.15           | 185.26                        | 146.86                         | 38.40                            | 4.825                     |                |
| 7,000.00                                                                                        | 6,889.33                     | 6,873.37                     | 6,870.46                     | 26.98            | 14.17         | -47.99                       | -213.34                       | -1,162.43           | 177.94                        | 139.27                         | 38.67                            | 4.602                     |                |
| 7,100.00                                                                                        | 6,986.96                     | 6,972.21                     | 6,968.78                     | 27.46            | 14.18         | -51.22                       | -215.62                       | -1,172.26           | 171.55                        | 132.59                         | 38.96                            | 4.403                     |                |
| 7,200.00                                                                                        | 7,084.59                     | 7,071.39                     | 7,067.29                     | 27.93            | 14.19         | -54.11                       | -217.12                       | -1,183.62           | 165.88                        | 126.59                         | 39.29                            | 4.222                     |                |
| 7,300.00                                                                                        | 7,182.22                     | 7,170.85                     | 7,165.90                     | 28.40            | 14.21         | -56.59                       | -217.82                       | -1,196.54           | 160.71                        | 121.07                         | 39.64                            | 4.054                     |                |
| 7,400.00                                                                                        | 7,279.85                     | 7,270.53                     | 7,264.61                     | 28.88            | 14.23         | -58.85                       | -218.03                       | -1,210.40           | 155.86                        | 115.84                         | 40.01                            | 3.895                     |                |
| 7,500.00                                                                                        | 7,377.47                     | 7,370.21                     | 7,363.33                     | 29.35            | 14.27         | -61.25                       | -218.24                       | -1,224.28           | 151.26                        | 110.87                         | 40.39                            | 3.745                     |                |
| 7,600.00                                                                                        | 7,475.10                     | 7,469.90                     | 7,462.04                     | 29.83            | 14.33         | -63.79                       | -218.44                       | -1,238.15           | 146.94                        | 106.17                         | 40.78                            | 3.604                     |                |
| 7,700.00                                                                                        | 7,572.73                     | 7,569.59                     | 7,560.76                     | 30.30            | 14.41         | -66.48                       | -218.65                       | -1,252.03           | 142.93                        | 101.77                         | 41.16                            | 3.472                     |                |
| 7,800.00                                                                                        | 7,670.36                     | 7,669.27                     | 7,659.48                     | 30.78            | 14.50         | -69.32                       | -218.86                       | -1,265.90           | 139.26                        | 97.71                          | 41.55                            | 3.352                     |                |
| 7,900.00                                                                                        | 7,767.99                     | 7,768.96                     | 7,758.19                     | 31.25            | 14.59         | -72.30                       | -219.07                       | -1,279.78           | 135.94                        | 94.00                          | 41.94                            | 3.241                     |                |
| 8,000.00                                                                                        | 7,865.62                     | 7,868.65                     | 7,856.91                     | 31.73            | 14.70         | -75.42                       | -219.27                       | -1,293.65           | 133.02                        | 90.67                          | 42.35                            | 3.141                     |                |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 704H - Wellbore #1 - Plan 4 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 79-GYRO-NS, 3205-MWD+IGRF                                                |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Distance</b>         |                      | <b>Rule Assigned:</b>        |                     | <b>Warning</b>      |                               |                                |                                  |                          |                                     |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 8,100.00                                                                                        | 7,963.25                     | 7,968.34                     | 7,955.63                     | 32.20                   | 14.82                | -78.67                       | -219.48             | -1,307.53           | 130.50                        | 87.73                          | 42.77                            | 3.051                    |                                     |
| 8,140.84                                                                                        | 8,003.12                     | 8,009.05                     | 7,995.94                     | 32.39                   | 14.87                | -80.03                       | -219.57             | -1,313.20           | 129.60                        | 86.66                          | 42.94                            | 3.018                    |                                     |
| 8,200.00                                                                                        | 8,060.97                     | 8,068.06                     | 8,054.38                     | 32.67                   | 14.94                | -81.82                       | -219.69             | -1,321.41           | 128.49                        | 85.30                          | 43.19                            | 2.975                    |                                     |
| 8,300.00                                                                                        | 8,159.18                     | 8,167.92                     | 8,153.27                     | 33.15                   | 15.08                | -83.99                       | -219.90             | -1,335.31           | 127.11                        | 83.49                          | 43.63                            | 2.914                    |                                     |
| 8,400.00                                                                                        | 8,257.84                     | 8,267.89                     | 8,252.27                     | 33.64                   | 15.22                | -85.02                       | -220.11             | -1,349.22           | 126.13                        | 82.08                          | 44.05                            | 2.863                    |                                     |
| 8,500.00                                                                                        | 8,356.90                     | 8,367.88                     | 8,351.29                     | 34.10                   | 15.37                | -84.88                       | -220.31             | -1,363.14           | 125.39                        | 80.94                          | 44.45                            | 2.821                    |                                     |
| 8,600.00                                                                                        | 8,456.28                     | 8,467.84                     | 8,450.27                     | 34.55                   | 15.53                | -83.55                       | -220.52             | -1,377.05           | 124.92                        | 80.07                          | 44.84                            | 2.786                    |                                     |
| 8,656.12                                                                                        | 8,512.17                     | 8,523.89                     | 8,505.78                     | 34.79                   | 15.63                | -82.28                       | -220.64             | -1,384.85           | 124.83                        | 79.77                          | 45.06                            | 2.770 CC                 |                                     |
| 8,700.00                                                                                        | 8,555.92                     | 8,567.68                     | 8,549.14                     | 34.97                   | 15.71                | -81.02                       | -220.73             | -1,390.95           | 124.89                        | 79.65                          | 45.25                            | 2.760 ES                 |                                     |
| 8,800.00                                                                                        | 8,655.74                     | 8,667.35                     | 8,647.84                     | 35.36                   | 15.88                | -77.36                       | -220.94             | -1,404.82           | 125.66                        | 79.96                          | 45.70                            | 2.749 SF                 |                                     |
| 8,900.00                                                                                        | 8,755.69                     | 8,766.78                     | 8,746.29                     | 35.70                   | 16.07                | -72.66                       | -221.15             | -1,418.66           | 127.70                        | 81.43                          | 46.27                            | 2.760                    |                                     |
| 8,974.32                                                                                        | 8,830.00                     | 8,840.47                     | 8,819.27                     | 35.81                   | 16.22                | -162.61                      | -221.30             | -1,428.92           | 130.37                        | 83.61                          | 46.76                            | 2.788                    |                                     |
| 9,000.00                                                                                        | 8,855.68                     | 8,865.90                     | 8,844.45                     | 35.81                   | 16.27                | -161.15                      | -221.35             | -1,432.46           | 131.55                        | 84.61                          | 46.94                            | 2.802                    |                                     |
| 9,100.00                                                                                        | 8,955.68                     | 8,964.92                     | 8,942.51                     | 35.83                   | 16.47                | -155.70                      | -221.56             | -1,446.24           | 136.91                        | 89.23                          | 47.68                            | 2.871                    |                                     |
| 9,200.00                                                                                        | 9,055.68                     | 9,063.95                     | 9,040.58                     | 35.85                   | 16.69                | -150.70                      | -221.76             | -1,460.02           | 143.43                        | 94.98                          | 48.45                            | 2.960                    |                                     |
| 9,234.32                                                                                        | 9,090.00                     | 9,097.94                     | 9,074.23                     | 35.86                   | 16.76                | -149.09                      | -221.84             | -1,464.75           | 145.90                        | 97.20                          | 48.71                            | 2.995                    |                                     |
| 9,250.00                                                                                        | 9,105.68                     | 9,113.46                     | 9,089.60                     | 35.85                   | 16.79                | -157.06                      | -221.87             | -1,466.91           | 147.31                        | 98.50                          | 48.81                            | 3.018                    |                                     |
| 9,275.00                                                                                        | 9,130.63                     | 9,138.13                     | 9,114.03                     | 35.84                   | 16.85                | -156.01                      | -221.92             | -1,470.35           | 150.56                        | 101.63                         | 48.93                            | 3.077                    |                                     |
| 9,300.00                                                                                        | 9,155.47                     | 9,162.67                     | 9,138.33                     | 35.82                   | 16.91                | -155.13                      | -221.97             | -1,473.76           | 155.02                        | 105.99                         | 49.02                            | 3.162                    |                                     |
| 9,325.00                                                                                        | 9,180.14                     | 9,187.00                     | 9,162.42                     | 35.80                   | 16.96                | -154.42                      | -222.02             | -1,477.15           | 160.65                        | 111.56                         | 49.09                            | 3.273                    |                                     |
| 9,350.00                                                                                        | 9,204.55                     | 9,211.05                     | 9,186.24                     | 35.78                   | 17.02                | -153.87                      | -222.07             | -1,480.50           | 167.44                        | 118.31                         | 49.13                            | 3.408                    |                                     |
| 9,375.00                                                                                        | 9,228.65                     | 9,234.76                     | 9,209.72                     | 35.76                   | 17.07                | -153.45                      | -222.12             | -1,483.80           | 175.35                        | 126.20                         | 49.15                            | 3.568                    |                                     |
| 9,400.00                                                                                        | 9,252.37                     | 9,258.07                     | 9,232.81                     | 35.74                   | 17.13                | -153.15                      | -222.17             | -1,487.04           | 184.36                        | 135.21                         | 49.15                            | 3.751                    |                                     |
| 9,425.00                                                                                        | 9,275.65                     | 9,280.91                     | 9,255.42                     | 35.72                   | 17.18                | -152.93                      | -222.22             | -1,490.22           | 194.45                        | 145.31                         | 49.14                            | 3.957                    |                                     |
| 9,450.00                                                                                        | 9,298.42                     | 9,303.22                     | 9,277.51                     | 35.70                   | 17.23                | -152.78                      | -222.26             | -1,493.33           | 205.61                        | 156.50                         | 49.11                            | 4.186                    |                                     |
| 9,475.00                                                                                        | 9,320.61                     | 9,324.93                     | 9,299.01                     | 35.68                   | 17.29                | -152.66                      | -222.31             | -1,496.35           | 217.82                        | 168.73                         | 49.08                            | 4.438                    |                                     |
| 9,500.00                                                                                        | 9,342.18                     | 9,345.99                     | 9,319.87                     | 35.66                   | 17.34                | -152.54                      | -222.35             | -1,499.28           | 231.05                        | 182.00                         | 49.05                            | 4.710                    |                                     |
| 9,525.00                                                                                        | 9,363.05                     | 9,366.34                     | 9,340.02                     | 35.64                   | 17.39                | -152.41                      | -222.39             | -1,502.11           | 245.28                        | 196.27                         | 49.01                            | 5.004                    |                                     |
| 9,550.00                                                                                        | 9,383.17                     | 9,385.92                     | 9,359.41                     | 35.62                   | 17.43                | -152.23                      | -222.43             | -1,504.84           | 260.49                        | 211.51                         | 48.98                            | 5.318                    |                                     |
| 9,575.00                                                                                        | 9,402.49                     | 9,404.69                     | 9,377.99                     | 35.61                   | 17.48                | -152.00                      | -222.47             | -1,507.45           | 276.64                        | 227.70                         | 48.94                            | 5.652                    |                                     |
| 9,600.00                                                                                        | 9,420.95                     | 9,422.58                     | 9,395.71                     | 35.60                   | 17.52                | -151.67                      | -222.51             | -1,509.94           | 293.71                        | 244.79                         | 48.91                            | 6.005                    |                                     |
| 9,625.00                                                                                        | 9,438.51                     | 9,439.55                     | 9,412.52                     | 35.60                   | 17.57                | -151.22                      | -222.55             | -1,512.30           | 311.64                        | 262.75                         | 48.88                            | 6.375                    |                                     |
| 9,650.00                                                                                        | 9,455.11                     | 9,455.55                     | 9,428.37                     | 35.60                   | 17.61                | -150.63                      | -222.58             | -1,514.53           | 330.40                        | 281.54                         | 48.86                            | 6.762                    |                                     |
| 9,666.30                                                                                        | 9,465.39                     | 9,465.45                     | 9,438.17                     | 35.61                   | 17.63                | -150.16                      | -222.60             | -1,515.91           | 343.07                        | 294.22                         | 48.84                            | 7.024                    |                                     |
| 9,675.00                                                                                        | 9,470.71                     | 9,470.55                     | 9,443.22                     | 35.61                   | 17.64                | -149.40                      | -222.61             | -1,516.62           | 349.94                        | 301.11                         | 48.84                            | 7.166                    |                                     |
| 9,700.00                                                                                        | 9,485.29                     | 9,484.56                     | 9,457.09                     | 35.63                   | 17.68                | -147.11                      | -222.64             | -1,518.57           | 370.13                        | 321.31                         | 48.81                            | 7.582                    |                                     |
| 9,725.00                                                                                        | 9,498.82                     | 9,497.56                     | 9,469.96                     | 35.66                   | 17.71                | -144.60                      | -222.67             | -1,520.38           | 390.89                        | 342.09                         | 48.80                            | 8.011                    |                                     |
| 9,750.00                                                                                        | 9,511.26                     | 9,509.51                     | 9,481.79                     | 35.70                   | 17.74                | -141.80                      | -222.69             | -1,522.04           | 412.19                        | 363.41                         | 48.78                            | 8.450                    |                                     |
| 9,775.00                                                                                        | 9,522.58                     | 9,520.37                     | 9,492.56                     | 35.75                   | 17.77                | -138.62                      | -222.71             | -1,523.55           | 433.97                        | 385.20                         | 48.77                            | 8.898                    |                                     |
| 9,800.00                                                                                        | 9,532.75                     | 9,530.13                     | 9,502.22                     | 35.81                   | 17.80                | -134.94                      | -222.74             | -1,524.91           | 456.20                        | 407.44                         | 48.76                            | 9.356                    |                                     |
| 9,825.00                                                                                        | 9,541.74                     | 9,538.75                     | 9,510.75                     | 35.88                   | 17.82                | -130.66                      | -222.75             | -1,526.11           | 478.82                        | 430.07                         | 48.76                            | 9.821                    |                                     |
| 9,850.00                                                                                        | 9,549.52                     | 9,546.21                     | 9,518.14                     | 35.96                   | 17.84                | -125.64                      | -222.77             | -1,527.15           | 501.79                        | 453.03                         | 48.75                            | 10.293                   |                                     |
| 9,875.00                                                                                        | 9,556.07                     | 9,552.49                     | 9,524.36                     | 36.06                   | 17.85                | -119.77                      | -222.78             | -1,528.02           | 525.04                        | 476.29                         | 48.75                            | 10.770                   |                                     |
| 9,900.00                                                                                        | 9,561.38                     | 9,557.57                     | 9,529.39                     | 36.17                   | 17.87                | -112.97                      | -222.79             | -1,528.73           | 548.52                        | 499.77                         | 48.75                            | 11.252                   |                                     |
| 9,925.00                                                                                        | 9,565.43                     | 9,561.44                     | 9,533.22                     | 36.29                   | 17.88                | -105.24                      | -222.80             | -1,529.27           | 572.17                        | 523.42                         | 48.75                            | 11.737                   |                                     |
| 9,950.00                                                                                        | 9,568.21                     | 9,564.08                     | 9,535.84                     | 36.43                   | 17.88                | -96.74                       | -222.81             | -1,529.63           | 595.95                        | 547.20                         | 48.75                            | 12.224                   |                                     |
| 9,975.00                                                                                        | 9,569.71                     | 9,565.50                     | 9,537.24                     | 36.57                   | 17.89                | -87.80                       | -222.81             | -1,529.83           | 619.78                        | 571.03                         | 48.75                            | 12.713                   |                                     |
| 9,991.75                                                                                        | 9,570.00                     | 9,565.76                     | 9,537.50                     | 36.67                   | 17.89                | -81.79                       | -222.81             | -1,529.87           | 635.75                        | 586.99                         | 48.75                            | 13.040                   |                                     |
| 10,000.00                                                                                       | 9,570.00                     | 9,565.75                     | 9,537.49                     | 36.73                   | 17.89                | -81.79                       | -222.81             | -1,529.87           | 643.62                        | 594.86                         | 48.75                            | 13.201                   |                                     |
| 10,100.00                                                                                       | 9,570.00                     | 9,565.63                     | 9,537.37                     | 37.44                   | 17.89                | -81.75                       | -222.81             | -1,529.85           | 739.64                        | 690.87                         | 48.77                            | 15.165                   |                                     |
| 10,200.00                                                                                       | 9,570.00                     | 9,565.52                     | 9,537.26                     | 38.25                   | 17.89                | -81.72                       | -222.81             | -1,529.83           | 836.59                        | 787.79                         | 48.80                            | 17.142                   |                                     |
| 10,300.00                                                                                       | 9,570.00                     | 9,565.40                     | 9,537.14                     | 39.14                   | 17.89                | -81.68                       | -222.81             | -1,529.82           | 934.19                        | 885.35                         | 48.84                            | 19.129                   |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 706H - Wellbore #1 - Plan 1 |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.00 usft |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Warning</b>            |           |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |           |
| 0.00                                                                                            | 0.00                  | 0.00                  | 0.00                  | 0.50      | 0.50   | 179.64                | -80.00       | 0.50         | 80.00                  |                         |                           |                           |           |
| 100.00                                                                                          | 100.00                | 100.00                | 100.00                | 0.64      | 0.64   | 179.64                | -80.00       | 0.50         | 80.00                  | 78.71                   | 1.29                      | 62.122                    |           |
| 200.00                                                                                          | 200.00                | 200.00                | 200.00                | 1.34      | 1.34   | 179.64                | -80.00       | 0.50         | 80.00                  | 77.33                   | 2.67                      | 29.911                    |           |
| 300.00                                                                                          | 300.00                | 300.00                | 300.00                | 1.81      | 1.81   | 179.64                | -80.00       | 0.50         | 80.00                  | 76.38                   | 3.62                      | 22.116                    |           |
| 400.00                                                                                          | 400.00                | 400.00                | 400.00                | 2.18      | 2.18   | 179.64                | -80.00       | 0.50         | 80.00                  | 75.63                   | 4.37                      | 18.320                    |           |
| 500.00                                                                                          | 500.00                | 500.00                | 500.00                | 2.51      | 2.51   | 179.64                | -80.00       | 0.50         | 80.00                  | 74.99                   | 5.01                      | 15.966                    |           |
| 600.00                                                                                          | 600.00                | 600.00                | 600.00                | 2.79      | 2.79   | 179.64                | -80.00       | 0.50         | 80.00                  | 74.42                   | 5.59                      | 14.323                    |           |
| 700.00                                                                                          | 700.00                | 700.00                | 700.00                | 3.06      | 3.06   | 179.64                | -80.00       | 0.50         | 80.00                  | 73.89                   | 6.11                      | 13.092                    |           |
| 800.00                                                                                          | 800.00                | 800.00                | 800.00                | 3.30      | 3.30   | 179.64                | -80.00       | 0.50         | 80.00                  | 73.40                   | 6.60                      | 12.124                    |           |
| 900.00                                                                                          | 900.00                | 900.00                | 900.00                | 3.53      | 3.53   | 179.64                | -80.00       | 0.50         | 80.00                  | 72.95                   | 7.06                      | 11.338                    |           |
| 1,000.00                                                                                        | 1,000.00              | 1,000.00              | 1,000.00              | 3.74      | 3.74   | 179.64                | -80.00       | 0.50         | 80.00                  | 72.51                   | 7.49                      | 10.682                    |           |
| 1,100.00                                                                                        | 1,100.00              | 1,100.00              | 1,100.00              | 3.95      | 3.95   | 179.64                | -80.00       | 0.50         | 80.00                  | 72.10                   | 7.90                      | 10.123                    |           |
| 1,200.00                                                                                        | 1,200.00              | 1,200.00              | 1,200.00              | 4.15      | 4.15   | 179.64                | -80.00       | 0.50         | 80.00                  | 71.70                   | 8.30                      | 9.641                     |           |
| 1,300.00                                                                                        | 1,300.00              | 1,300.00              | 1,300.00              | 4.34      | 4.34   | 179.64                | -80.00       | 0.50         | 80.00                  | 71.32                   | 8.68                      | 9.218                     |           |
| 1,400.00                                                                                        | 1,400.00              | 1,400.00              | 1,400.00              | 4.52      | 4.52   | 179.64                | -80.00       | 0.50         | 80.00                  | 70.95                   | 9.05                      | 8.843                     |           |
| 1,500.00                                                                                        | 1,500.00              | 1,500.00              | 1,500.00              | 4.70      | 4.70   | 179.64                | -80.00       | 0.50         | 80.00                  | 70.60                   | 9.40                      | 8.508                     |           |
| 1,600.00                                                                                        | 1,599.99              | 1,599.96              | 1,599.96              | 4.85      | 4.85   | -86.37                | -80.03       | -0.37        | 79.97                  | 70.28                   | 9.69                      | 8.254                     |           |
| 1,700.00                                                                                        | 1,699.96              | 1,699.93              | 1,699.89              | 5.01      | 5.01   | -86.36                | -80.11       | -2.99        | 79.87                  | 69.88                   | 9.99                      | 7.997                     |           |
| 1,800.00                                                                                        | 1,799.86              | 1,799.89              | 1,799.75              | 5.19      | 5.19   | -86.36                | -80.26       | -7.34        | 79.71                  | 69.42                   | 10.29                     | 7.750                     |           |
| 1,900.00                                                                                        | 1,899.68              | 1,899.85              | 1,899.53              | 5.39      | 5.39   | -86.36                | -80.45       | -13.44       | 79.48                  | 68.90                   | 10.58                     | 7.510                     |           |
| 2,000.00                                                                                        | 1,999.37              | 1,999.82              | 1,999.18              | 5.61      | 5.61   | -86.35                | -80.71       | -21.28       | 79.19                  | 68.31                   | 10.89                     | 7.274                     |           |
| 2,100.00                                                                                        | 2,098.90              | 2,099.78              | 2,098.68              | 5.85      | 5.85   | -86.35                | -81.02       | -30.85       | 78.84                  | 67.64                   | 11.20                     | 7.040                     |           |
| 2,200.00                                                                                        | 2,198.26              | 2,199.74              | 2,198.00              | 6.11      | 6.12   | -86.34                | -81.39       | -42.15       | 78.42                  | 66.89                   | 11.53                     | 6.803                     |           |
| 2,300.00                                                                                        | 2,297.40              | 2,299.70              | 2,297.11              | 6.40      | 6.40   | -86.33                | -81.81       | -55.19       | 77.93                  | 66.06                   | 11.88                     | 6.562                     |           |
| 2,400.00                                                                                        | 2,396.30              | 2,399.66              | 2,395.97              | 6.70      | 6.71   | -86.33                | -82.29       | -69.95       | 77.38                  | 65.13                   | 12.25                     | 6.316                     |           |
| 2,500.00                                                                                        | 2,494.93              | 2,499.62              | 2,494.56              | 7.03      | 7.03   | -86.31                | -82.83       | -86.43       | 76.77                  | 64.11                   | 12.66                     | 6.063                     |           |
| 2,600.00                                                                                        | 2,593.26              | 2,599.62              | 2,593.03              | 7.37      | 7.37   | -86.95                | -83.40       | -103.79      | 76.08                  | 62.97                   | 13.11                     | 5.805                     |           |
| 2,700.00                                                                                        | 2,691.25              | 2,699.58              | 2,691.48              | 7.73      | 7.72   | -88.93                | -83.96       | -121.14      | 75.34                  | 61.75                   | 13.58                     | 5.546                     |           |
| 2,750.22                                                                                        | 2,740.32              | 2,749.76              | 2,740.89              | 7.89      | 7.90   | -90.44                | -84.24       | -129.85      | 75.00                  | 61.19                   | 13.81                     | 5.430                     |           |
| 2,800.00                                                                                        | 2,788.92              | 2,799.49              | 2,789.87              | 8.05      | 8.08   | -92.11                | -84.52       | -138.48      | 74.73                  | 60.68                   | 14.05                     | 5.320                     |           |
| 2,900.00                                                                                        | 2,886.55              | 2,899.39              | 2,888.25              | 8.43      | 8.45   | -95.50                | -85.09       | -155.82      | 74.38                  | 59.77                   | 14.61                     | 5.092                     |           |
| 2,984.55                                                                                        | 2,969.10              | 2,983.86              | 2,971.44              | 8.76      | 8.77   | -98.38                | -85.57       | -170.48      | 74.28                  | 59.16                   | 15.12                     | 4.911 CC                  |           |
| 3,000.00                                                                                        | 2,984.18              | 2,999.29              | 2,986.64              | 8.82      | 8.83   | -98.90                | -85.65       | -173.16      | 74.29                  | 59.07                   | 15.22                     | 4.880                     |           |
| 3,100.00                                                                                        | 3,081.81              | 3,099.20              | 3,085.02              | 9.23      | 9.21   | -102.31               | -86.22       | -190.50      | 74.46                  | 58.57                   | 15.88                     | 4.688                     |           |
| 3,200.00                                                                                        | 3,179.44              | 3,199.10              | 3,183.41              | 9.64      | 9.60   | -105.68               | -86.78       | -207.84      | 74.89                  | 58.30                   | 16.60                     | 4.513                     |           |
| 3,300.00                                                                                        | 3,277.07              | 3,299.00              | 3,281.79              | 10.05     | 10.00  | -109.01               | -87.35       | -225.18      | 75.58                  | 58.23                   | 17.35                     | 4.356                     |           |
| 3,400.00                                                                                        | 3,374.69              | 3,398.90              | 3,380.18              | 10.47     | 10.40  | -112.26               | -87.91       | -242.52      | 76.52                  | 58.37                   | 18.16                     | 4.215                     |           |
| 3,500.00                                                                                        | 3,472.32              | 3,498.80              | 3,478.56              | 10.90     | 10.81  | -115.43               | -88.48       | -259.86      | 77.70                  | 58.70                   | 19.00                     | 4.090                     |           |
| 3,600.00                                                                                        | 3,569.95              | 3,598.71              | 3,576.94              | 11.33     | 11.21  | -118.49               | -89.04       | -277.19      | 79.12                  | 59.24                   | 19.88                     | 3.980                     |           |
| 3,700.00                                                                                        | 3,667.58              | 3,698.61              | 3,675.33              | 11.76     | 11.63  | -121.43               | -89.61       | -294.53      | 80.75                  | 59.95                   | 20.79                     | 3.883                     |           |
| 3,800.00                                                                                        | 3,765.21              | 3,798.51              | 3,773.71              | 12.20     | 12.04  | -124.26               | -90.17       | -311.87      | 82.58                  | 60.85                   | 21.73                     | 3.800                     |           |
| 3,900.00                                                                                        | 3,862.84              | 3,898.41              | 3,872.10              | 12.64     | 12.46  | -126.95               | -90.73       | -329.21      | 84.61                  | 61.91                   | 22.69                     | 3.728                     |           |
| 4,000.00                                                                                        | 3,960.47              | 3,998.32              | 3,970.48              | 13.09     | 12.88  | -129.52               | -91.30       | -346.55      | 86.81                  | 63.14                   | 23.67                     | 3.667                     |           |
| 4,100.00                                                                                        | 4,058.10              | 4,098.22              | 4,068.87              | 13.53     | 13.31  | -131.95               | -91.86       | -363.89      | 89.18                  | 64.52                   | 24.66                     | 3.616                     |           |
| 4,200.00                                                                                        | 4,155.72              | 4,198.12              | 4,167.25              | 13.98     | 13.73  | -134.25               | -92.43       | -381.23      | 91.70                  | 66.04                   | 25.66                     | 3.573                     |           |
| 4,300.00                                                                                        | 4,253.35              | 4,298.02              | 4,265.63              | 14.43     | 14.16  | -136.43               | -92.99       | -398.57      | 94.36                  | 67.69                   | 26.67                     | 3.538                     |           |
| 4,400.00                                                                                        | 4,350.98              | 4,397.92              | 4,364.02              | 14.88     | 14.59  | -138.48               | -93.56       | -415.91      | 97.15                  | 69.47                   | 27.68                     | 3.510                     |           |
| 4,500.00                                                                                        | 4,448.61              | 4,497.83              | 4,462.40              | 15.34     | 15.02  | -140.42               | -94.12       | -433.25      | 100.06                 | 71.37                   | 28.70                     | 3.487                     |           |
| 4,600.00                                                                                        | 4,546.24              | 4,597.73              | 4,560.79              | 15.79     | 15.45  | -142.24               | -94.69       | -450.59      | 103.08                 | 73.37                   | 29.71                     | 3.469                     |           |
| 4,700.00                                                                                        | 4,643.87              | 4,697.63              | 4,659.17              | 16.25     | 15.89  | -143.96               | -95.25       | -467.93      | 106.19                 | 75.47                   | 30.73                     | 3.456                     |           |
| 4,800.00                                                                                        | 4,741.50              | 4,797.53              | 4,757.56              | 16.71     | 16.32  | -145.58               | -95.82       | -485.27      | 109.40                 | 77.66                   | 31.74                     | 3.447                     |           |
| 4,900.00                                                                                        | 4,839.13              | 4,897.43              | 4,855.94              | 17.17     | 16.76  | -147.11               | -96.38       | -502.61      | 112.69                 | 79.94                   | 32.75                     | 3.441                     |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                              |                              |                              |                  |               |                              |                     |                     |                               |                                |                                  |                                              |                                     |
|-------------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------|---------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|----------------------------------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 706H - Wellbore #1 - Plan 1 |                              |                              |                              |                  |               |                              |                     |                     |                               |                                |                                  |                                              | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                              |                              |                              |                  |               |                              |                     |                     |                               |                                |                                  |                                              | <b>Offset Well Error:</b> 0.50 usft |
| <b>Rule Assigned:</b>                                                                           |                              |                              |                              |                  |               |                              |                     |                     |                               |                                |                                  |                                              |                                     |
| <b>Measured Depth (usft)</b>                                                                    | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference</b> | <b>Offset</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b>                     | <b>Warning</b>                      |
| 5,000.00                                                                                        | 4,936.76                     | 4,997.34                     | 4,954.32                     | 17.63            | 17.20         | -148.55                      | -96.94              | -519.95             | 116.05                        | 82.29                          | 33.76                            | 3.438                                        |                                     |
| 5,100.00                                                                                        | 5,034.38                     | 5,097.24                     | 5,052.71                     | 18.09            | 17.63         | -149.91                      | -97.51              | -537.29             | 119.48                        | 84.72                          | 34.76                            | 3.437                                        |                                     |
| 5,200.00                                                                                        | 5,132.01                     | 5,197.14                     | 5,151.09                     | 18.55            | 18.07         | -151.19                      | -98.07              | -554.62             | 122.98                        | 87.21                          | 35.77                            | 3.439                                        |                                     |
| 5,300.00                                                                                        | 5,229.64                     | 5,297.04                     | 5,249.48                     | 19.01            | 18.51         | -152.40                      | -98.64              | -571.96             | 126.53                        | 89.77                          | 36.77                            | 3.442                                        |                                     |
| 5,400.00                                                                                        | 5,327.27                     | 5,396.94                     | 5,347.86                     | 19.48            | 18.95         | -153.55                      | -99.20              | -589.30             | 130.14                        | 92.38                          | 37.76                            | 3.446                                        |                                     |
| 5,500.00                                                                                        | 5,424.90                     | 5,496.85                     | 5,446.25                     | 19.94            | 19.40         | -154.63                      | -99.77              | -606.64             | 133.80                        | 95.04                          | 38.76                            | 3.452                                        |                                     |
| 5,600.00                                                                                        | 5,522.53                     | 5,596.75                     | 5,544.63                     | 20.41            | 19.84         | -155.65                      | -100.33             | -623.98             | 137.50                        | 97.75                          | 39.75                            | 3.459                                        |                                     |
| 5,700.00                                                                                        | 5,620.16                     | 5,696.65                     | 5,643.01                     | 20.87            | 20.28         | -156.62                      | -100.90             | -641.32             | 141.24                        | 100.50                         | 40.74                            | 3.467                                        |                                     |
| 5,800.00                                                                                        | 5,717.79                     | 5,796.55                     | 5,741.40                     | 21.34            | 20.72         | -157.54                      | -101.46             | -658.66             | 145.02                        | 103.30                         | 41.72                            | 3.476                                        |                                     |
| 5,900.00                                                                                        | 5,815.41                     | 5,896.46                     | 5,839.78                     | 21.81            | 21.17         | -158.41                      | -102.03             | -676.00             | 148.84                        | 106.13                         | 42.71                            | 3.485                                        |                                     |
| 6,000.00                                                                                        | 5,913.04                     | 5,996.36                     | 5,938.17                     | 22.28            | 21.61         | -159.24                      | -102.59             | -693.34             | 152.69                        | 109.00                         | 43.69                            | 3.495                                        |                                     |
| 6,100.00                                                                                        | 6,010.67                     | 6,096.26                     | 6,036.55                     | 22.75            | 22.06         | -160.03                      | -103.15             | -710.68             | 156.57                        | 111.90                         | 44.67                            | 3.505                                        |                                     |
| 6,200.00                                                                                        | 6,108.30                     | 6,196.16                     | 6,134.93                     | 23.22            | 22.50         | -160.78                      | -103.72             | -728.02             | 160.48                        | 114.83                         | 45.64                            | 3.516                                        |                                     |
| 6,300.00                                                                                        | 6,205.93                     | 6,296.06                     | 6,233.32                     | 23.68            | 22.95         | -161.49                      | -104.28             | -745.36             | 164.41                        | 117.79                         | 46.62                            | 3.527                                        |                                     |
| 6,400.00                                                                                        | 6,303.56                     | 6,395.97                     | 6,331.70                     | 24.16            | 23.40         | -162.17                      | -104.85             | -762.70             | 168.37                        | 120.78                         | 47.59                            | 3.538                                        |                                     |
| 6,500.00                                                                                        | 6,401.19                     | 6,495.87                     | 6,430.09                     | 24.63            | 23.84         | -162.82                      | -105.41             | -780.04             | 172.35                        | 123.79                         | 48.56                            | 3.549                                        |                                     |
| 6,600.00                                                                                        | 6,498.82                     | 6,595.77                     | 6,528.47                     | 25.10            | 24.29         | -163.44                      | -105.98             | -797.38             | 176.35                        | 126.82                         | 49.53                            | 3.560                                        |                                     |
| 6,700.00                                                                                        | 6,596.44                     | 6,695.67                     | 6,626.86                     | 25.57            | 24.74         | -164.04                      | -106.54             | -814.72             | 180.37                        | 129.87                         | 50.50                            | 3.572                                        |                                     |
| 6,800.00                                                                                        | 6,694.07                     | 6,795.57                     | 6,725.24                     | 26.04            | 25.19         | -164.60                      | -107.11             | -832.05             | 184.41                        | 132.95                         | 51.47                            | 3.583                                        |                                     |
| 6,900.00                                                                                        | 6,791.70                     | 6,895.48                     | 6,823.62                     | 26.51            | 25.63         | -165.14                      | -107.67             | -849.39             | 188.47                        | 136.04                         | 52.43                            | 3.595                                        |                                     |
| 7,000.00                                                                                        | 6,889.33                     | 6,995.38                     | 6,922.01                     | 26.98            | 26.08         | -165.66                      | -108.24             | -866.73             | 192.55                        | 139.15                         | 53.40                            | 3.606                                        |                                     |
| 7,100.00                                                                                        | 6,986.96                     | 7,095.28                     | 7,020.39                     | 27.46            | 26.53         | -166.16                      | -108.80             | -884.07             | 196.63                        | 142.27                         | 54.36                            | 3.617                                        |                                     |
| 7,200.00                                                                                        | 7,084.59                     | 7,195.18                     | 7,118.78                     | 27.93            | 26.98         | -166.64                      | -109.36             | -901.41             | 200.74                        | 145.41                         | 55.32                            | 3.628                                        |                                     |
| 7,300.00                                                                                        | 7,182.22                     | 7,295.08                     | 7,217.16                     | 28.40            | 27.43         | -167.10                      | -109.93             | -918.75             | 204.85                        | 148.57                         | 56.28                            | 3.640                                        |                                     |
| 7,400.00                                                                                        | 7,279.85                     | 7,394.99                     | 7,315.55                     | 28.88            | 27.88         | -167.54                      | -110.49             | -936.09             | 208.98                        | 151.74                         | 57.24                            | 3.651                                        |                                     |
| 7,500.00                                                                                        | 7,377.47                     | 7,494.89                     | 7,413.93                     | 29.35            | 28.33         | -167.96                      | -111.06             | -953.43             | 213.12                        | 154.92                         | 58.20                            | 3.662                                        |                                     |
| 7,600.00                                                                                        | 7,475.10                     | 7,594.79                     | 7,512.31                     | 29.83            | 28.78         | -168.37                      | -111.62             | -970.77             | 217.28                        | 158.11                         | 59.16                            | 3.672                                        |                                     |
| 7,700.00                                                                                        | 7,572.73                     | 7,694.69                     | 7,610.70                     | 30.30            | 29.23         | -168.76                      | -112.19             | -988.11             | 221.44                        | 161.32                         | 60.12                            | 3.683                                        |                                     |
| 7,800.00                                                                                        | 7,670.36                     | 7,794.60                     | 7,709.08                     | 30.78            | 29.68         | -169.14                      | -112.75             | -1,005.45           | 225.61                        | 164.53                         | 61.08                            | 3.694                                        |                                     |
| 7,900.00                                                                                        | 7,767.99                     | 7,894.50                     | 7,807.47                     | 31.25            | 30.13         | -169.50                      | -113.32             | -1,022.79           | 229.79                        | 167.76                         | 62.03                            | 3.704                                        |                                     |
| 8,000.00                                                                                        | 7,865.62                     | 7,994.40                     | 7,905.85                     | 31.73            | 30.58         | -169.85                      | -113.88             | -1,040.13           | 233.98                        | 170.99                         | 62.99                            | 3.715                                        |                                     |
| 8,100.00                                                                                        | 7,963.25                     | 8,094.30                     | 8,004.24                     | 32.20            | 31.04         | -170.19                      | -114.45             | -1,057.47           | 238.18                        | 174.24                         | 63.95                            | 3.725                                        |                                     |
| 8,140.84                                                                                        | 8,003.12                     | 8,135.10                     | 8,044.42                     | 32.39            | 31.22         | -170.32                      | -114.68             | -1,064.55           | 239.90                        | 175.57                         | 64.33                            | 3.729                                        |                                     |
| 8,200.00                                                                                        | 8,060.97                     | 8,194.22                     | 8,102.64                     | 32.67            | 31.49         | -170.50                      | -115.01             | -1,074.81           | 241.94                        | 177.05                         | 64.89                            | 3.729                                        |                                     |
| 8,300.00                                                                                        | 8,159.18                     | 8,294.20                     | 8,201.10                     | 33.15            | 31.94         | -170.71                      | -115.58             | -1,092.16           | 243.33                        | 177.49                         | 65.84                            | 3.696                                        |                                     |
| 8,400.00                                                                                        | 8,257.84                     | 8,394.19                     | 8,299.57                     | 33.64            | 32.39         | -170.82                      | -116.14             | -1,109.52           | 242.15                        | 175.35                         | 66.79                            | 3.625                                        |                                     |
| 8,500.00                                                                                        | 8,356.90                     | 8,494.12                     | 8,397.98                     | 34.10            | 32.84         | -170.82                      | -116.70             | -1,126.86           | 238.38                        | 170.66                         | 67.72                            | 3.520                                        |                                     |
| 8,600.00                                                                                        | 8,456.28                     | 8,593.91                     | 8,496.26                     | 34.55            | 33.30         | -170.71                      | -117.27             | -1,144.18           | 232.03                        | 163.41                         | 68.61                            | 3.382                                        |                                     |
| 8,700.00                                                                                        | 8,555.92                     | 8,693.51                     | 8,594.34                     | 34.97            | 33.75         | -170.48                      | -117.83             | -1,161.47           | 223.10                        | 153.63                         | 69.47                            | 3.211                                        |                                     |
| 8,800.00                                                                                        | 8,655.74                     | 8,792.84                     | 8,692.16                     | 35.36            | 34.20         | -170.11                      | -118.39             | -1,178.71           | 211.61                        | 141.33                         | 70.29                            | 3.011                                        |                                     |
| 8,900.00                                                                                        | 8,755.69                     | 8,891.83                     | 8,789.64                     | 35.70            | 34.65         | -169.55                      | -118.95             | -1,195.89           | 197.58                        | 126.54                         | 71.04                            | 2.781                                        |                                     |
| 8,974.32                                                                                        | 8,830.00                     | 8,965.14                     | 8,861.84                     | 35.81            | 34.98         | 97.03                        | -119.37             | -1,208.61           | 185.51                        | 114.07                         | 71.45                            | 2.597                                        |                                     |
| 9,000.00                                                                                        | 8,855.68                     | 8,990.43                     | 8,886.75                     | 35.81            | 35.09         | 97.25                        | -119.51             | -1,213.00           | 181.11                        | 109.56                         | 71.55                            | 2.531                                        |                                     |
| 9,100.00                                                                                        | 8,955.68                     | 9,088.91                     | 8,983.73                     | 35.83            | 35.54         | 98.21                        | -120.07             | -1,230.09           | 163.98                        | 92.03                          | 71.95                            | 2.279                                        |                                     |
| 9,200.00                                                                                        | 9,055.68                     | 9,184.09                     | 9,077.63                     | 35.85            | 35.97         | 99.27                        | -120.57             | -1,245.63           | 147.91                        | 75.63                          | 72.28                            | 2.046                                        |                                     |
| 9,234.32                                                                                        | 9,090.00                     | 9,216.81                     | 9,110.00                     | 35.86            | 36.12         | 99.65                        | -120.73             | -1,250.44           | 142.97                        | 70.58                          | 72.39                            | 1.975 Collision Risk Procedures Req.         |                                     |
| 9,250.00                                                                                        | 9,105.68                     | 9,231.78                     | 9,124.82                     | 35.85            | 36.19         | 91.47                        | -120.80             | -1,252.55           | 140.81                        | 68.39                          | 72.42                            | 1.944 Collision Risk Procedures Req.         |                                     |
| 9,275.00                                                                                        | 9,130.63                     | 9,255.62                     | 9,148.43                     | 35.84            | 36.30         | 92.73                        | -120.90             | -1,255.78           | 137.54                        | 65.11                          | 72.43                            | 1.899 Collision Risk Procedures Req.         |                                     |
| 9,300.00                                                                                        | 9,155.47                     | 9,279.36                     | 9,171.98                     | 35.82            | 36.41         | 94.52                        | -121.00             | -1,258.85           | 134.55                        | 62.18                          | 72.36                            | 1.859 Collision Risk Procedures Req.         |                                     |
| 9,325.00                                                                                        | 9,180.14                     | 9,302.95                     | 9,195.39                     | 35.80            | 36.52         | 96.83                        | -121.10             | -1,261.76           | 131.94                        | 59.73                          | 72.20                            | 1.827 Collision Risk Procedures Req.         |                                     |
| 9,350.00                                                                                        | 9,204.55                     | 9,326.32                     | 9,218.59                     | 35.78            | 36.62         | 99.62                        | -121.19             | -1,264.50           | 129.86                        | 57.94                          | 71.91                            | 1.806 Collision Risk Procedures Req.         |                                     |
| 9,375.00                                                                                        | 9,228.65                     | 9,349.40                     | 9,241.53                     | 35.76            | 36.72         | 102.85                       | -121.27             | -1,267.07           | 128.50                        | 57.03                          | 71.47                            | 1.798 Collision Risk Procedures Req., ES, SF |                                     |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 706H - Wellbore #1 - Plan 1 |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.00 usft                      |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|--------------------------------|
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.50 usft                      |
| <b>Rule Assigned:</b>                                                                           |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Warning</b>            |                                |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |                                |
| 9,397.54                                                                                        | 9,250.06              | 9,369.92              | 9,261.94              | 35.74     | 36.81  | 106.06                | -121.34      | -1,269.23    | 128.06                 | 57.16                   | 70.91                     | 1.806                     | Collision Risk Procedures Req. |
| 9,400.00                                                                                        | 9,252.37              | 9,372.14              | 9,264.15              | 35.74     | 36.82  | 106.43                | -121.35      | -1,269.46    | 128.07                 | 57.23                   | 70.83                     | 1.808                     | Collision Risk Procedures Req. |
| 9,425.00                                                                                        | 9,275.65              | 9,394.48              | 9,286.37              | 35.72     | 36.92  | 110.25                | -121.42      | -1,271.68    | 128.80                 | 58.80                   | 70.00                     | 1.840                     | Collision Risk Procedures Req. |
| 9,450.00                                                                                        | 9,298.42              | 9,416.34              | 9,308.14              | 35.70     | 37.02  | 114.17                | -121.49      | -1,273.73    | 130.91                 | 61.96                   | 68.96                     | 1.898                     | Collision Risk Procedures Req. |
| 9,475.00                                                                                        | 9,320.61              | 9,437.68              | 9,329.39              | 35.68     | 37.10  | 118.08                | -121.55      | -1,275.60    | 134.60                 | 66.84                   | 67.75                     | 1.987                     | Collision Risk Procedures Req. |
| 9,500.00                                                                                        | 9,342.18              | 9,458.43              | 9,350.07              | 35.66     | 37.19  | 121.84                | -121.60      | -1,277.32    | 139.99                 | 73.54                   | 66.46                     | 2.107                     |                                |
| 9,525.00                                                                                        | 9,363.05              | 9,478.53              | 9,370.12              | 35.64     | 37.27  | 125.36                | -121.65      | -1,278.87    | 147.17                 | 82.03                   | 65.14                     | 2.259                     |                                |
| 9,550.00                                                                                        | 9,383.17              | 9,497.94              | 9,389.47              | 35.62     | 37.36  | 128.55                | -121.70      | -1,280.26    | 156.15                 | 92.27                   | 63.88                     | 2.444                     |                                |
| 9,575.00                                                                                        | 9,402.49              | 9,516.58              | 9,408.08              | 35.61     | 37.43  | 131.38                | -121.74      | -1,281.51    | 166.88                 | 104.15                  | 62.72                     | 2.660                     |                                |
| 9,600.00                                                                                        | 9,420.95              | 9,534.42              | 9,425.88              | 35.60     | 37.50  | 133.81                | -121.78      | -1,282.63    | 179.27                 | 117.56                  | 61.71                     | 2.905                     |                                |
| 9,625.00                                                                                        | 9,438.51              | 9,551.40              | 9,442.83              | 35.60     | 37.56  | 135.84                | -121.81      | -1,283.61    | 193.22                 | 132.36                  | 60.85                     | 3.175                     |                                |
| 9,650.00                                                                                        | 9,455.11              | 9,567.48              | 9,458.88              | 35.60     | 37.62  | 137.47                | -121.84      | -1,284.46    | 208.60                 | 148.46                  | 60.14                     | 3.468                     |                                |
| 9,666.30                                                                                        | 9,465.39              | 9,577.45              | 9,468.84              | 35.61     | 37.66  | 138.30                | -121.85      | -1,284.96    | 219.35                 | 159.59                  | 59.75                     | 3.671                     |                                |
| 9,675.00                                                                                        | 9,470.71              | 9,582.60              | 9,473.99              | 35.61     | 37.68  | 139.08                | -121.86      | -1,285.21    | 225.30                 | 165.74                  | 59.57                     | 3.782                     |                                |
| 9,700.00                                                                                        | 9,485.29              | 9,596.76              | 9,488.13              | 35.63     | 37.73  | 141.04                | -121.88      | -1,285.86    | 243.28                 | 184.18                  | 59.11                     | 4.116                     |                                |
| 9,725.00                                                                                        | 9,498.82              | 9,609.93              | 9,501.29              | 35.66     | 37.78  | 142.57                | -121.90      | -1,286.41    | 262.43                 | 203.67                  | 58.76                     | 4.466                     |                                |
| 9,750.00                                                                                        | 9,511.26              | 9,622.05              | 9,513.40              | 35.70     | 37.82  | 143.70                | -121.91      | -1,286.88    | 282.60                 | 224.12                  | 58.48                     | 4.832                     |                                |
| 9,775.00                                                                                        | 9,522.58              | 9,633.10              | 9,524.45              | 35.75     | 37.86  | 144.41                | -121.93      | -1,287.27    | 303.67                 | 245.40                  | 58.27                     | 5.212                     |                                |
| 9,800.00                                                                                        | 9,532.75              | 9,643.04              | 9,534.38              | 35.81     | 37.89  | 144.67                | -121.94      | -1,287.60    | 325.52                 | 267.42                  | 58.10                     | 5.603                     |                                |
| 9,825.00                                                                                        | 9,541.74              | 9,651.83              | 9,543.17              | 35.88     | 37.92  | 144.40                | -121.95      | -1,287.86    | 348.06                 | 290.09                  | 57.97                     | 6.004                     |                                |
| 9,850.00                                                                                        | 9,549.52              | 9,659.46              | 9,550.79              | 35.96     | 37.94  | 143.48                | -121.95      | -1,288.08    | 371.19                 | 313.32                  | 57.87                     | 6.414                     |                                |
| 9,875.00                                                                                        | 9,556.07              | 9,665.88              | 9,557.21              | 36.06     | 37.97  | 141.68                | -121.96      | -1,288.25    | 394.82                 | 337.03                  | 57.79                     | 6.832                     |                                |
| 9,900.00                                                                                        | 9,561.38              | 9,671.09              | 9,562.41              | 36.17     | 37.98  | 138.57                | -121.96      | -1,288.38    | 418.85                 | 361.13                  | 57.72                     | 7.256                     |                                |
| 9,925.00                                                                                        | 9,565.43              | 9,675.06              | 9,566.38              | 36.29     | 38.00  | 133.31                | -121.97      | -1,288.47    | 443.21                 | 385.54                  | 57.67                     | 7.686                     |                                |
| 9,950.00                                                                                        | 9,568.21              | 9,677.78              | 9,569.10              | 36.43     | 38.01  | 124.20                | -121.97      | -1,288.53    | 467.81                 | 410.19                  | 57.62                     | 8.118                     |                                |
| 9,975.00                                                                                        | 9,569.71              | 9,679.24              | 9,570.57              | 36.57     | 38.01  | 107.89                | -121.97      | -1,288.57    | 492.58                 | 434.99                  | 57.59                     | 8.554                     |                                |
| 9,991.75                                                                                        | 9,570.00              | 9,679.52              | 9,570.84              | 36.67     | 38.01  | 90.94                 | -121.97      | -1,288.57    | 509.23                 | 451.67                  | 57.56                     | 8.846                     |                                |
| 10,000.00                                                                                       | 9,570.00              | 9,679.51              | 9,570.84              | 36.73     | 38.01  | 90.93                 | -121.97      | -1,288.57    | 517.44                 | 459.89                  | 57.55                     | 8.991                     |                                |
| 10,100.00                                                                                       | 9,570.00              | 9,679.45              | 9,570.78              | 37.44     | 38.01  | 90.87                 | -121.97      | -1,288.57    | 617.03                 | 559.57                  | 57.46                     | 10.739                    |                                |
| 10,200.00                                                                                       | 9,570.00              | 9,679.40              | 9,570.72              | 38.25     | 38.01  | 90.81                 | -121.97      | -1,288.57    | 716.73                 | 659.33                  | 57.40                     | 12.487                    |                                |
| 10,300.00                                                                                       | 9,570.00              | 9,679.34              | 9,570.67              | 39.14     | 38.01  | 90.74                 | -121.97      | -1,288.57    | 816.50                 | 759.14                  | 57.36                     | 14.235                    |                                |
| 10,400.00                                                                                       | 9,570.00              | 11,289.98             | 10,470.00             | 40.10     | 43.16  | 180.00                | 792.56       | -1,345.98    | 900.00                 | 853.60                  | 46.40                     | 19.395                    |                                |
| 10,500.00                                                                                       | 9,570.00              | 11,389.98             | 10,470.00             | 41.12     | 44.14  | 180.00                | 892.55       | -1,346.64    | 900.00                 | 852.71                  | 47.29                     | 19.031                    |                                |
| 10,600.00                                                                                       | 9,570.00              | 11,489.98             | 10,470.00             | 42.20     | 45.19  | 180.00                | 992.55       | -1,347.31    | 900.00                 | 851.79                  | 48.21                     | 18.667                    |                                |
| 10,700.00                                                                                       | 9,570.00              | 11,589.98             | 10,470.00             | 43.31     | 46.28  | 180.00                | 1,092.55     | -1,347.97    | 900.00                 | 850.83                  | 49.17                     | 18.304                    |                                |
| 10,800.00                                                                                       | 9,570.00              | 11,689.98             | 10,470.00             | 44.47     | 47.42  | 180.00                | 1,192.55     | -1,348.63    | 900.00                 | 849.85                  | 50.15                     | 17.944                    |                                |
| 10,900.00                                                                                       | 9,570.00              | 11,789.98             | 10,470.00             | 45.67     | 48.60  | 180.00                | 1,292.55     | -1,349.29    | 900.00                 | 848.83                  | 51.17                     | 17.588                    |                                |
| 11,000.00                                                                                       | 9,570.00              | 11,889.98             | 10,470.00             | 46.91     | 49.82  | 180.00                | 1,392.54     | -1,349.96    | 900.00                 | 847.79                  | 52.21                     | 17.237                    |                                |
| 11,100.00                                                                                       | 9,570.00              | 11,989.98             | 10,470.00             | 48.18     | 51.07  | 180.00                | 1,492.54     | -1,350.62    | 900.00                 | 846.72                  | 53.28                     | 16.892                    |                                |
| 11,200.00                                                                                       | 9,570.00              | 12,089.98             | 10,470.00             | 49.48     | 52.36  | 180.00                | 1,592.54     | -1,351.28    | 900.00                 | 845.63                  | 54.37                     | 16.552                    |                                |
| 11,300.00                                                                                       | 9,570.00              | 12,189.98             | 10,470.00             | 50.81     | 53.67  | 180.00                | 1,692.54     | -1,351.95    | 900.00                 | 844.51                  | 55.49                     | 16.219                    |                                |
| 11,400.00                                                                                       | 9,570.00              | 12,289.98             | 10,470.00             | 52.17     | 55.02  | 180.00                | 1,792.53     | -1,352.61    | 900.00                 | 843.37                  | 56.63                     | 15.894                    |                                |
| 11,500.00                                                                                       | 9,570.00              | 12,389.98             | 10,470.00             | 53.56     | 56.39  | 180.00                | 1,892.53     | -1,353.27    | 900.00                 | 842.22                  | 57.78                     | 15.576                    |                                |
| 11,533.97                                                                                       | 9,570.00              | 12,423.96             | 10,470.00             | 54.04     | 56.87  | 180.00                | 1,926.50     | -1,353.50    | 900.00                 | 841.82                  | 58.18                     | 15.469                    |                                |
| 11,600.00                                                                                       | 9,570.00              | 12,489.98             | 10,470.00             | 54.97     | 57.79  | 180.00                | 1,992.53     | -1,353.94    | 900.00                 | 841.04                  | 58.96                     | 15.265                    |                                |
| 11,700.00                                                                                       | 9,570.00              | 12,589.98             | 10,470.00             | 56.41     | 59.21  | 180.00                | 2,092.53     | -1,354.60    | 900.00                 | 839.85                  | 60.15                     | 14.962                    |                                |
| 11,800.00                                                                                       | 9,570.00              | 12,689.98             | 10,470.00             | 57.86     | 60.66  | 180.00                | 2,192.53     | -1,355.26    | 900.00                 | 838.64                  | 61.36                     | 14.667                    |                                |
| 11,900.00                                                                                       | 9,570.00              | 12,789.98             | 10,470.00             | 59.34     | 62.12  | 180.00                | 2,292.52     | -1,355.93    | 900.00                 | 837.41                  | 62.59                     | 14.379                    |                                |
| 12,000.00                                                                                       | 9,570.00              | 12,889.98             | 10,470.00             | 60.84     | 63.61  | 180.00                | 2,392.52     | -1,356.59    | 900.00                 | 836.17                  | 63.83                     | 14.099                    |                                |
| 12,100.00                                                                                       | 9,570.00              | 12,989.98             | 10,470.00             | 62.36     | 65.11  | 180.00                | 2,492.52     | -1,357.25    | 900.00                 | 834.91                  | 65.09                     | 13.827                    |                                |
| 12,200.00                                                                                       | 9,570.00              | 13,089.98             | 10,470.00             | 63.90     | 66.63  | 180.00                | 2,592.52     | -1,357.92    | 900.00                 | 833.64                  | 66.36                     | 13.563                    |                                |
| 12,300.00                                                                                       | 9,570.00              | 13,189.98             | 10,470.00             | 65.45     | 68.17  | 180.00                | 2,692.52     | -1,358.58    | 900.00                 | 832.36                  | 67.64                     | 13.306                    |                                |

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





## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 706H - Wellbore #1 - Plan 1 |                       |                       |                       |                  |               |                        |                |              |                        |                         |                           |                   | Offset Site Error: | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|----------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|-----------|
| Survey Program:                                                                          |                       | 0-MWD+IGRF            |                       |                  |               |                        | Rule Assigned: |              |                        |                         | Offset Well Error:        | 0.50 usft         |                    |           |
| Reference                                                                                | Offset                | Offset                |                       | Semi Major Axis  |               | Offset Wellbore Centre |                |              | Distance               |                         |                           | Warning           |                    |           |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft)   | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |           |
| 12,400.00                                                                                | 9,570.00              | 13,289.98             | 10,470.00             | 67.01            | 69.72         | 180.00                 | 2,792.51       | -1,359.24    | 900.00                 | 831.07                  | 68.93                     | 13.056            |                    |           |
| 12,500.00                                                                                | 9,570.00              | 13,389.98             | 10,470.00             | 68.60            | 71.29         | 180.00                 | 2,892.51       | -1,359.91    | 900.00                 | 829.76                  | 70.24                     | 12.814            |                    |           |
| 12,600.00                                                                                | 9,570.00              | 13,489.98             | 10,470.00             | 70.19            | 72.88         | 180.00                 | 2,992.51       | -1,360.57    | 900.00                 | 828.45                  | 71.55                     | 12.578            |                    |           |
| 12,700.00                                                                                | 9,570.00              | 13,589.98             | 10,470.00             | 71.80            | 74.47         | 180.00                 | 3,092.51       | -1,361.23    | 900.00                 | 827.12                  | 72.88                     | 12.349            |                    |           |
| 12,800.00                                                                                | 9,570.00              | 13,689.98             | 10,470.00             | 73.43            | 76.08         | 180.00                 | 3,192.50       | -1,361.90    | 900.00                 | 825.79                  | 74.21                     | 12.127            |                    |           |
| 12,900.00                                                                                | 9,570.00              | 13,789.98             | 10,470.00             | 75.06            | 77.70         | 180.00                 | 3,292.50       | -1,362.56    | 900.00                 | 824.44                  | 75.56                     | 11.911            |                    |           |
| 13,000.00                                                                                | 9,570.00              | 13,889.98             | 10,470.00             | 76.71            | 79.34         | 180.00                 | 3,392.50       | -1,363.22    | 900.00                 | 823.09                  | 76.91                     | 11.702            |                    |           |
| 13,100.00                                                                                | 9,570.00              | 13,989.98             | 10,470.00             | 78.37            | 80.98         | 180.00                 | 3,492.50       | -1,363.89    | 900.00                 | 821.73                  | 78.27                     | 11.499            |                    |           |
| 13,200.00                                                                                | 9,570.00              | 14,089.98             | 10,470.00             | 80.03            | 82.63         | 180.00                 | 3,592.50       | -1,364.55    | 900.00                 | 820.36                  | 79.64                     | 11.301            |                    |           |
| 13,300.00                                                                                | 9,570.00              | 14,189.98             | 10,470.00             | 81.71            | 84.30         | 180.00                 | 3,692.49       | -1,365.21    | 900.00                 | 818.99                  | 81.01                     | 11.109            |                    |           |
| 13,400.00                                                                                | 9,570.00              | 14,289.98             | 10,470.00             | 83.39            | 85.97         | 180.00                 | 3,792.49       | -1,365.88    | 900.00                 | 817.60                  | 82.40                     | 10.923            |                    |           |
| 13,500.00                                                                                | 9,570.00              | 14,389.98             | 10,470.00             | 85.09            | 87.65         | 180.00                 | 3,892.49       | -1,366.54    | 900.00                 | 816.21                  | 83.79                     | 10.742            |                    |           |
| 13,600.00                                                                                | 9,570.00              | 14,489.98             | 10,470.00             | 86.79            | 89.34         | 180.00                 | 3,992.49       | -1,367.20    | 900.00                 | 814.82                  | 85.18                     | 10.566            |                    |           |
| 13,700.00                                                                                | 9,570.00              | 14,589.98             | 10,470.00             | 88.50            | 91.04         | 180.00                 | 4,092.48       | -1,367.87    | 900.00                 | 813.42                  | 86.58                     | 10.395            |                    |           |
| 13,800.00                                                                                | 9,570.00              | 14,689.98             | 10,470.00             | 90.22            | 92.74         | 180.00                 | 4,192.48       | -1,368.53    | 900.00                 | 812.01                  | 87.99                     | 10.228            |                    |           |
| 13,900.00                                                                                | 9,570.00              | 14,789.98             | 10,470.00             | 91.94            | 94.46         | 180.00                 | 4,292.48       | -1,369.19    | 900.00                 | 810.60                  | 89.40                     | 10.067            |                    |           |
| 14,000.00                                                                                | 9,570.00              | 14,889.98             | 10,470.00             | 93.68            | 96.18         | 180.00                 | 4,392.48       | -1,369.85    | 900.00                 | 809.18                  | 90.82                     | 9.910             |                    |           |
| 14,100.00                                                                                | 9,570.00              | 14,989.98             | 10,470.00             | 95.41            | 97.90         | 180.00                 | 4,492.48       | -1,370.52    | 900.00                 | 807.76                  | 92.24                     | 9.757             |                    |           |
| 14,200.00                                                                                | 9,570.00              | 15,089.98             | 10,470.00             | 97.16            | 99.63         | 180.00                 | 4,592.47       | -1,371.18    | 900.00                 | 806.33                  | 93.67                     | 9.608             |                    |           |
| 14,300.00                                                                                | 9,570.00              | 15,189.98             | 10,470.00             | 98.91            | 101.37        | 180.00                 | 4,692.47       | -1,371.84    | 900.00                 | 804.90                  | 95.10                     | 9.464             |                    |           |
| 14,400.00                                                                                | 9,570.00              | 15,289.98             | 10,470.00             | 100.66           | 103.12        | 180.00                 | 4,792.47       | -1,372.51    | 900.00                 | 803.46                  | 96.54                     | 9.323             |                    |           |
| 14,500.00                                                                                | 9,570.00              | 15,389.98             | 10,470.00             | 102.42           | 104.87        | 180.00                 | 4,892.47       | -1,373.17    | 900.00                 | 802.02                  | 97.98                     | 9.186             |                    |           |
| 14,533.97                                                                                | 9,570.00              | 15,423.96             | 10,470.00             | 103.02           | 105.46        | 180.00                 | 4,926.44       | -1,373.40    | 900.00                 | 801.53                  | 98.47                     | 9.140             |                    |           |
| 14,600.00                                                                                | 9,570.00              | 15,489.98             | 10,470.00             | 104.19           | 106.62        | 180.00                 | 4,992.46       | -1,373.83    | 900.00                 | 800.58                  | 99.42                     | 9.052             |                    |           |
| 14,700.00                                                                                | 9,570.00              | 15,589.98             | 10,470.00             | 105.96           | 108.38        | 180.00                 | 5,092.46       | -1,374.50    | 900.00                 | 799.13                  | 100.87                    | 8.923             |                    |           |
| 14,800.00                                                                                | 9,570.00              | 15,689.98             | 10,470.00             | 107.73           | 110.14        | 180.00                 | 5,192.46       | -1,375.16    | 900.00                 | 797.68                  | 102.32                    | 8.796             |                    |           |
| 14,900.00                                                                                | 9,570.00              | 15,789.98             | 10,470.00             | 109.51           | 111.91        | 180.00                 | 5,292.46       | -1,375.82    | 900.00                 | 796.23                  | 103.77                    | 8.673             |                    |           |
| 15,000.00                                                                                | 9,570.00              | 15,889.98             | 10,470.00             | 111.30           | 113.69        | 180.00                 | 5,392.46       | -1,376.49    | 900.00                 | 794.77                  | 105.23                    | 8.553             |                    |           |
| 15,100.00                                                                                | 9,570.00              | 15,989.98             | 10,470.00             | 113.09           | 115.46        | 180.00                 | 5,492.45       | -1,377.15    | 900.00                 | 793.31                  | 106.69                    | 8.435             |                    |           |
| 15,200.00                                                                                | 9,570.00              | 16,089.98             | 10,470.00             | 114.88           | 117.25        | 180.00                 | 5,592.45       | -1,377.81    | 900.00                 | 791.84                  | 108.16                    | 8.321             |                    |           |
| 15,300.00                                                                                | 9,570.00              | 16,189.98             | 10,470.00             | 116.67           | 119.03        | 180.00                 | 5,692.45       | -1,378.48    | 900.00                 | 790.38                  | 109.62                    | 8.210             |                    |           |
| 15,400.00                                                                                | 9,570.00              | 16,289.98             | 10,470.00             | 118.47           | 120.82        | 180.00                 | 5,792.45       | -1,379.14    | 900.00                 | 788.91                  | 111.09                    | 8.101             |                    |           |
| 15,500.00                                                                                | 9,570.00              | 16,389.98             | 10,470.00             | 120.27           | 122.61        | 180.00                 | 5,892.44       | -1,379.80    | 900.00                 | 787.43                  | 112.57                    | 7.995             |                    |           |
| 15,600.00                                                                                | 9,570.00              | 16,489.98             | 10,470.00             | 122.08           | 124.41        | 180.00                 | 5,992.44       | -1,380.47    | 900.00                 | 785.96                  | 114.04                    | 7.892             |                    |           |
| 15,700.00                                                                                | 9,570.00              | 16,589.98             | 10,470.00             | 123.89           | 126.21        | 180.00                 | 6,092.44       | -1,381.13    | 900.00                 | 784.48                  | 115.52                    | 7.791             |                    |           |
| 15,800.00                                                                                | 9,570.00              | 16,689.98             | 10,470.00             | 125.70           | 128.01        | 180.00                 | 6,192.44       | -1,381.79    | 900.00                 | 783.00                  | 117.00                    | 7.692             |                    |           |
| 15,900.00                                                                                | 9,570.00              | 16,789.98             | 10,470.00             | 127.51           | 129.82        | 180.00                 | 6,292.44       | -1,382.46    | 900.00                 | 781.52                  | 118.48                    | 7.596             |                    |           |
| 16,000.00                                                                                | 9,570.00              | 16,889.98             | 10,470.00             | 129.33           | 131.63        | 180.00                 | 6,392.43       | -1,383.12    | 900.00                 | 780.03                  | 119.97                    | 7.502             |                    |           |
| 16,100.00                                                                                | 9,570.00              | 16,989.98             | 10,470.00             | 131.15           | 133.44        | 180.00                 | 6,492.43       | -1,383.78    | 900.00                 | 778.55                  | 121.45                    | 7.410             |                    |           |
| 16,200.00                                                                                | 9,570.00              | 17,089.98             | 10,470.00             | 132.97           | 135.25        | 180.00                 | 6,592.43       | -1,384.45    | 900.00                 | 777.06                  | 122.94                    | 7.321             |                    |           |
| 16,300.00                                                                                | 9,570.00              | 17,189.98             | 10,470.00             | 134.79           | 137.07        | 180.00                 | 6,692.43       | -1,385.11    | 900.00                 | 775.57                  | 124.43                    | 7.233             |                    |           |
| 16,400.00                                                                                | 9,570.00              | 17,289.98             | 10,470.00             | 136.62           | 138.89        | 180.00                 | 6,792.42       | -1,385.77    | 900.00                 | 774.07                  | 125.93                    | 7.147             |                    |           |
| 16,500.00                                                                                | 9,570.00              | 17,389.98             | 10,470.00             | 138.45           | 140.71        | 180.00                 | 6,892.42       | -1,386.44    | 900.00                 | 772.58                  | 127.42                    | 7.063             |                    |           |
| 16,600.00                                                                                | 9,570.00              | 17,489.98             | 10,470.00             | 140.28           | 142.53        | 180.00                 | 6,992.42       | -1,387.10    | 900.00                 | 771.08                  | 128.92                    | 6.981             |                    |           |
| 16,700.00                                                                                | 9,570.00              | 17,589.98             | 10,470.00             | 142.11           | 144.36        | 180.00                 | 7,092.42       | -1,387.76    | 900.00                 | 769.59                  | 130.41                    | 6.901             |                    |           |
| 16,800.00                                                                                | 9,570.00              | 17,689.98             | 10,470.00             | 143.95           | 146.18        | 180.00                 | 7,192.42       | -1,388.42    | 900.00                 | 768.09                  | 131.91                    | 6.823             |                    |           |
| 16,900.00                                                                                | 9,570.00              | 17,789.98             | 10,470.00             | 145.79           | 148.01        | 180.00                 | 7,292.41       | -1,389.09    | 900.00                 | 766.59                  | 133.41                    | 6.746             |                    |           |
| 17,000.00                                                                                | 9,570.00              | 17,889.98             | 10,470.00             | 147.63           | 149.85        | 180.00                 | 7,392.41       | -1,389.75    | 900.00                 | 765.08                  | 134.92                    | 6.671             |                    |           |
| 17,100.00                                                                                | 9,570.00              | 17,989.98             | 10,470.00             | 149.47           | 151.68        | 180.00                 | 7,492.41       | -1,390.41    | 900.00                 | 763.58                  | 136.42                    | 6.597             |                    |           |
| 17,200.00                                                                                | 9,570.00              | 18,089.98             | 10,470.00             | 151.31           | 153.52        | 180.00                 | 7,592.41       | -1,391.08    | 900.00                 | 762.07                  | 137.93                    | 6.525             |                    |           |
| 17,300.00                                                                                | 9,570.00              | 18,189.98             | 10,470.00             | 153.15           | 155.35        | 180.00                 | 7,692.41       | -1,391.74    | 900.00                 | 760.57                  | 139.43                    | 6.455             |                    |           |
| 17,400.00                                                                                | 9,570.00              | 18,289.98             | 10,470.00             | 155.00           | 157.19        | 180.00                 | 7,792.40       | -1,392.40    | 900.00                 | 759.06                  | 140.94                    | 6.386             |                    |           |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 706H - Wellbore #1 - Plan 1 |                       |                       |                       |                  |               |                       |              |                        |                        |                         | Offset Site Error: 0.00 usft |                              |         |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|------------------------|------------------------|-------------------------|------------------------------|------------------------------|---------|
| Survey Program: 0-MWD+IGRF                                                               |                       | Reference             |                       | Offset           |               | Semi Major Axis       |              | Offset Wellbore Centre |                        | Rule Assigned:          |                              | Offset Well Error: 0.50 usft |         |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft)           | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft)    | Separation Factor            | Warning |
| 17,500.00                                                                                | 9,570.00              | 18,389.98             | 10,470.00             | 156.85           | 159.04        | 180.00                | 7,892.40     | -1,393.07              | 900.00                 | 757.55                  | 142.45                       | 6.318                        |         |
| 17,506.51                                                                                | 9,570.00              | 18,396.49             | 10,470.00             | 156.97           | 159.15        | 180.00                | 7,898.91     | -1,393.11              | 900.00                 | 757.45                  | 142.55                       | 6.314                        |         |
| 17,600.00                                                                                | 9,570.00              | 18,489.98             | 10,470.00             | 158.70           | 160.88        | 180.00                | 7,992.40     | -1,393.73              | 900.00                 | 756.04                  | 143.96                       | 6.252                        |         |
| 17,700.00                                                                                | 9,570.00              | 18,589.98             | 10,470.00             | 160.55           | 162.72        | 180.00                | 8,092.40     | -1,394.39              | 900.00                 | 754.52                  | 145.48                       | 6.187                        |         |
| 17,800.00                                                                                | 9,570.00              | 18,689.98             | 10,470.00             | 162.40           | 164.57        | 180.00                | 8,192.39     | -1,395.06              | 900.00                 | 753.01                  | 146.99                       | 6.123                        |         |
| 17,900.00                                                                                | 9,570.00              | 18,789.98             | 10,470.00             | 164.25           | 166.42        | 180.00                | 8,292.39     | -1,395.72              | 900.00                 | 751.49                  | 148.51                       | 6.060                        |         |
| 18,000.00                                                                                | 9,570.00              | 18,889.98             | 10,470.00             | 166.11           | 168.26        | 180.00                | 8,392.39     | -1,396.38              | 900.00                 | 749.98                  | 150.02                       | 5.999                        |         |
| 18,100.00                                                                                | 9,570.00              | 18,989.98             | 10,470.00             | 167.96           | 170.11        | 180.00                | 8,492.39     | -1,397.05              | 900.00                 | 748.46                  | 151.54                       | 5.939                        |         |
| 18,200.00                                                                                | 9,570.00              | 19,089.98             | 10,470.00             | 169.82           | 171.97        | 180.00                | 8,592.39     | -1,397.71              | 900.00                 | 746.94                  | 153.06                       | 5.880                        |         |
| 18,300.00                                                                                | 9,570.00              | 19,189.98             | 10,470.00             | 171.68           | 173.82        | 180.00                | 8,692.38     | -1,398.37              | 900.00                 | 745.43                  | 154.57                       | 5.822                        |         |
| 18,400.00                                                                                | 9,570.00              | 19,289.98             | 10,470.00             | 173.54           | 175.67        | 180.00                | 8,792.38     | -1,399.04              | 900.00                 | 743.90                  | 156.10                       | 5.766                        |         |
| 18,500.00                                                                                | 9,570.00              | 19,389.98             | 10,470.00             | 175.40           | 177.53        | 180.00                | 8,892.38     | -1,399.70              | 900.00                 | 742.38                  | 157.62                       | 5.710                        |         |
| 18,600.00                                                                                | 9,570.00              | 19,489.98             | 10,470.00             | 177.26           | 179.39        | 180.00                | 8,992.38     | -1,400.36              | 900.00                 | 740.86                  | 159.14                       | 5.655                        |         |
| 18,700.00                                                                                | 9,570.00              | 19,589.98             | 10,470.00             | 179.12           | 181.24        | 180.00                | 9,092.37     | -1,401.03              | 900.00                 | 739.34                  | 160.66                       | 5.602                        |         |
| 18,800.00                                                                                | 9,570.00              | 19,689.98             | 10,470.00             | 180.99           | 183.10        | 180.00                | 9,192.37     | -1,401.69              | 900.00                 | 737.82                  | 162.18                       | 5.549                        |         |
| 18,900.00                                                                                | 9,570.00              | 19,789.98             | 10,470.00             | 182.85           | 184.96        | 180.00                | 9,292.37     | -1,402.35              | 900.00                 | 736.29                  | 163.71                       | 5.498                        |         |
| 19,000.00                                                                                | 9,570.00              | 19,889.98             | 10,470.00             | 184.72           | 186.82        | 180.00                | 9,392.37     | -1,403.02              | 900.00                 | 734.77                  | 165.23                       | 5.447                        |         |
| 19,100.00                                                                                | 9,570.00              | 19,989.98             | 10,470.00             | 186.59           | 188.69        | 180.00                | 9,492.37     | -1,403.68              | 900.00                 | 733.24                  | 166.76                       | 5.397                        |         |
| 19,200.00                                                                                | 9,570.00              | 20,089.98             | 10,470.00             | 188.45           | 190.55        | 180.00                | 9,592.36     | -1,404.34              | 900.00                 | 731.71                  | 168.29                       | 5.348                        |         |
| 19,300.00                                                                                | 9,570.00              | 20,189.98             | 10,470.00             | 190.32           | 192.41        | 180.00                | 9,692.36     | -1,405.01              | 900.00                 | 730.18                  | 169.82                       | 5.300                        |         |
| 19,400.00                                                                                | 9,570.00              | 20,289.98             | 10,470.00             | 192.19           | 194.28        | 180.00                | 9,792.36     | -1,405.67              | 900.00                 | 728.66                  | 171.34                       | 5.253                        |         |
| 19,500.00                                                                                | 9,570.00              | 20,389.98             | 10,470.00             | 194.06           | 196.14        | 180.00                | 9,892.36     | -1,406.33              | 900.00                 | 727.13                  | 172.87                       | 5.206                        |         |
| 19,600.00                                                                                | 9,570.00              | 20,489.98             | 10,470.00             | 195.93           | 198.01        | 180.00                | 9,992.35     | -1,407.00              | 900.00                 | 725.60                  | 174.40                       | 5.160                        |         |
| 19,700.00                                                                                | 9,570.00              | 20,589.98             | 10,470.00             | 197.81           | 199.88        | 180.00                | 10,092.35    | -1,407.66              | 900.00                 | 724.07                  | 175.93                       | 5.116                        |         |
| 19,766.07                                                                                | 9,570.00              | 20,656.05             | 10,470.00             | 198.96           | 201.05        | 180.00                | 10,158.42    | -1,408.10              | 900.00                 | 723.52                  | 176.48                       | 5.100                        |         |
| 19,796.75                                                                                | 9,570.00              | 20,686.73             | 10,470.00             | 199.50           | 201.58        | 180.00                | 10,189.10    | -1,408.30              | 900.00                 | 723.28                  | 176.72                       | 5.093                        |         |



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                                                                                 |                 |                        |                 |                  |               |                       |                               |                |                |                 |                   |                  |                                     |
|-------------------------------------------------------------------------------------------------|-----------------|------------------------|-----------------|------------------|---------------|-----------------------|-------------------------------|----------------|----------------|-----------------|-------------------|------------------|-------------------------------------|
| <b>Offset Design:</b> Gavilon Fed Com Pads (Grid) - Gavilon Fed Com 708H - Wellbore #1 - Plan 1 |                 |                        |                 |                  |               |                       |                               |                |                |                 |                   |                  | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                               |                 |                        |                 |                  |               |                       |                               |                |                |                 |                   |                  | <b>Offset Well Error:</b> 0.50 usft |
| <b>Reference</b>                                                                                | <b>Offset</b>   | <b>Semi Major Axis</b> |                 | <b>Distance</b>  |               | <b>Rule Assigned:</b> |                               |                |                |                 |                   |                  |                                     |
| <b>Measured</b>                                                                                 | <b>Vertical</b> | <b>Measured</b>        | <b>Vertical</b> | <b>Reference</b> | <b>Offset</b> | <b>Highside</b>       | <b>Offset Wellbore Centre</b> | <b>Between</b> | <b>Between</b> | <b>Minimum</b>  | <b>Separation</b> | <b>Warning</b>   |                                     |
| <b>Depth</b>                                                                                    | <b>Depth</b>    | <b>Depth</b>           | <b>Depth</b>    |                  |               | <b>Toolface</b>       | <b>+N/-S</b>                  | <b>+E/-W</b>   | <b>Centres</b> | <b>Ellipses</b> | <b>Separation</b> |                  |                                     |
| <b>(usft)</b>                                                                                   | <b>(usft)</b>   | <b>(usft)</b>          | <b>(usft)</b>   | <b>(usft)</b>    | <b>(usft)</b> | <b>(°)</b>            | <b>(usft)</b>                 | <b>(usft)</b>  | <b>(usft)</b>  | <b>(usft)</b>   | <b>(usft)</b>     |                  |                                     |
| 19,796.75                                                                                       | 9,570.00        | 21,655.68              | 11,440.00       | 199.50           | 196.56        | 122.01                | 10,203.82                     | 1,572.00       | 3,514.71       | 3,161.28        | 353.43            | 9.945 CC, ES, SF |                                     |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

| Offset Design: Gavilon Fed Com Pads (Grid) - Tomahawk 28 Federal Com 001 - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |              |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft  |  |
|-------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-------------------------------|--|
| Survey Program: 109-INC-ONLY                                                                    |                       |                       |                       |                  |               |                       |              |              | Rule Assigned:         |                         |                           |                   | Offset Well Error: 15.00 usft |  |
| Measured Depth (usft)                                                                           | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                       |  |
| 15,900.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 127.51           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,690.13               | 2,418.23                | 271.90                    | 9.894             |                               |  |
| 16,000.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 129.33           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,603.46               | 2,328.87                | 274.59                    | 9.481             |                               |  |
| 16,100.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 131.15           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,517.78               | 2,240.35                | 277.43                    | 9.075             |                               |  |
| 16,200.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 132.97           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,433.19               | 2,152.75                | 280.44                    | 8.676             |                               |  |
| 16,300.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 134.79           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,349.82               | 2,066.19                | 283.63                    | 8.285             |                               |  |
| 16,400.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 136.62           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,267.78               | 1,980.79                | 287.00                    | 7.902             |                               |  |
| 16,500.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 138.45           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,187.25               | 1,896.69                | 290.56                    | 7.528             |                               |  |
| 16,600.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 140.28           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,108.38               | 1,814.06                | 294.32                    | 7.164             |                               |  |
| 16,700.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 142.11           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,031.37               | 1,733.09                | 298.28                    | 6.810             |                               |  |
| 16,800.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 143.95           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,956.44               | 1,653.99                | 302.45                    | 6.469             |                               |  |
| 16,900.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 145.79           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,883.84               | 1,577.03                | 306.81                    | 6.140             |                               |  |
| 17,000.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 147.63           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,813.85               | 1,502.50                | 311.36                    | 5.826             |                               |  |
| 17,100.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 149.47           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,746.79               | 1,430.72                | 316.07                    | 5.527             |                               |  |
| 17,200.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 151.31           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,683.00               | 1,362.08                | 320.92                    | 5.244             |                               |  |
| 17,300.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 153.15           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,622.86               | 1,297.01                | 325.85                    | 4.980             |                               |  |
| 17,400.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 155.00           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,566.81               | 1,236.00                | 330.81                    | 4.736             |                               |  |
| 17,500.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 156.85           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,515.29               | 1,179.57                | 335.71                    | 4.514             |                               |  |
| 17,600.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 158.70           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,468.77               | 1,128.31                | 340.46                    | 4.314             |                               |  |
| 17,700.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 160.55           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,427.76               | 1,082.82                | 344.94                    | 4.139             |                               |  |
| 17,800.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 162.40           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,392.73               | 1,043.72                | 349.02                    | 3.990             |                               |  |
| 17,900.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 164.25           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,364.15               | 1,011.61                | 352.54                    | 3.869             |                               |  |
| 18,000.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 166.11           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,342.43               | 987.04                  | 355.39                    | 3.777             |                               |  |
| 18,100.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 167.96           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,327.90               | 970.46                  | 357.44                    | 3.715             |                               |  |
| 18,200.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 169.82           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,320.80               | 962.21                  | 358.60                    | 3.683             |                               |  |
| 18,243.98                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 170.64           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,320.07               | 961.26                  | 358.81                    | 3.679             | CC, ES, SF                    |  |
| 18,300.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 171.68           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,321.26               | 962.45                  | 358.82                    | 3.682             |                               |  |
| 18,400.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 173.54           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,329.26               | 971.17                  | 358.09                    | 3.712             |                               |  |
| 18,500.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 175.40           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,344.67               | 988.19                  | 356.48                    | 3.772             |                               |  |
| 18,600.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 177.26           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,367.24               | 1,013.18                | 354.06                    | 3.862             |                               |  |
| 18,700.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 179.12           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,396.62               | 1,045.67                | 350.95                    | 3.980             |                               |  |
| 18,800.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 180.99           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,432.39               | 1,085.12                | 347.28                    | 4.125             |                               |  |
| 18,900.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 182.85           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,474.10               | 1,130.90                | 343.19                    | 4.295             |                               |  |
| 19,000.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 184.72           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,521.24               | 1,182.42                | 338.82                    | 4.490             |                               |  |
| 19,100.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 186.59           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,573.33               | 1,239.06                | 334.27                    | 4.707             |                               |  |
| 19,200.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 188.45           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,629.90               | 1,300.25                | 329.65                    | 4.944             |                               |  |
| 19,300.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 190.32           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,690.50               | 1,365.46                | 325.03                    | 5.201             |                               |  |
| 19,400.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 192.19           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,754.70               | 1,434.21                | 320.49                    | 5.475             |                               |  |
| 19,500.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 194.06           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,822.14               | 1,506.08                | 316.06                    | 5.765             |                               |  |
| 19,600.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 195.93           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,892.46               | 1,580.67                | 311.78                    | 6.070             |                               |  |
| 19,700.00                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 197.81           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 1,965.35               | 1,657.67                | 307.68                    | 6.388             |                               |  |
| 19,796.75                                                                                       | 9,570.00              | 9,475.45              | 9,474.50              | 199.50           | 189.51        | 90.00                 | 8,645.12     | -77.96       | 2,038.06               | 1,733.23                | 304.83                    | 6.686             |                               |  |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

Reference Depths are relative to RKB @ 3695.50usft (Patterson 813)

Offset Depths are relative to Offset Datum

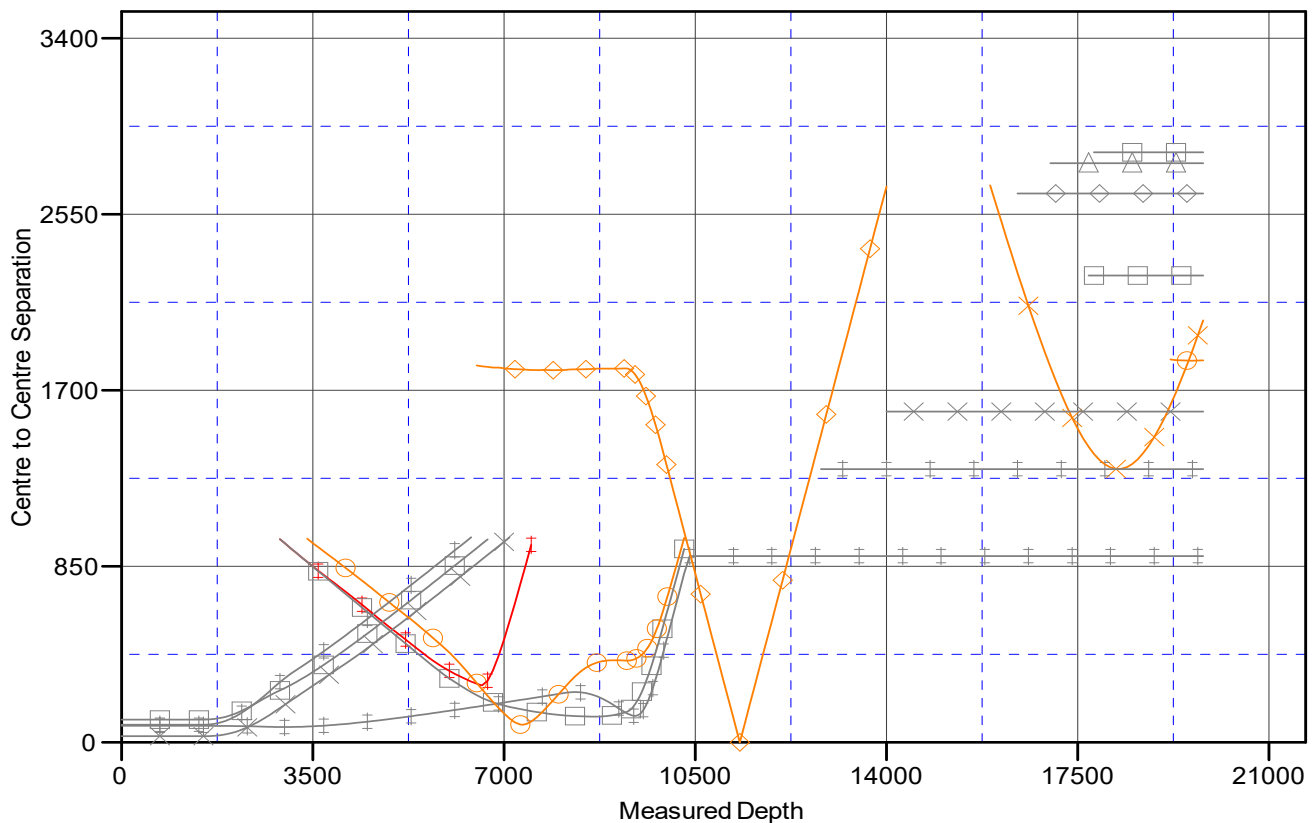
Central Meridian is -104.33333334

Coordinates are relative to: Gavilon Fed Com 306H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300

Grid Convergence at Surface is: 0.36°

## Ladder Plot



## LEGEND

|                                                     |                                              |                                              |
|-----------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Gavilon Fed Com 604H, Wellbore #1, Plan 1 V0        | Gavilon Fed Com 708H, Wellbore #1, Plan 1 V0 | Gavilon Fed Com 305H, Wellbore #1, Plan 1 V0 |
| Gavilon Fed Com 704H, Wellbore #1, Actual V0        | Gavilon Fed Com 603H, Wellbore #1, Plan 1 V0 | Gavilon Fed Com 001, Wellbore #1, Actual V0  |
| Gavilon Fed Com 704H, Wellbore #1, Plan 4 V0        | Gavilon Fed Com 706H, Wellbore #1, Plan 1 V0 | Gavilon Fed Com 403H, Wellbore #1, Plan 1 V0 |
| Tomahawk 28 Federal Com 001, Wellbore #1, Actual V0 | Gavilon Fed Com 602H, Wellbore #1, Actual V0 |                                              |
| Gavilon Fed Com 505H, Wellbore #1, Plan 1 V0        | Gavilon Fed Com 501H, Wellbore #1, Plan 1 V0 |                                              |

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



## Anticollision Report



|                           |                             |                                     |                                   |
|---------------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>           | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Reference Site:</b>    | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Site Error:</b>        | 0.00 usft                   | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | Gavilon Fed Com 306H        | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.50 usft                   | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                 | <b>Database:</b>                    | 1 - EDM Production                |
| <b>Reference Design:</b>  | Plan 1                      | <b>Offset TVD Reference:</b>        | Offset Datum                      |

Reference Depths are relative to RKB @ 3695.50usft (Patterson 813)

Offset Depths are relative to Offset Datum

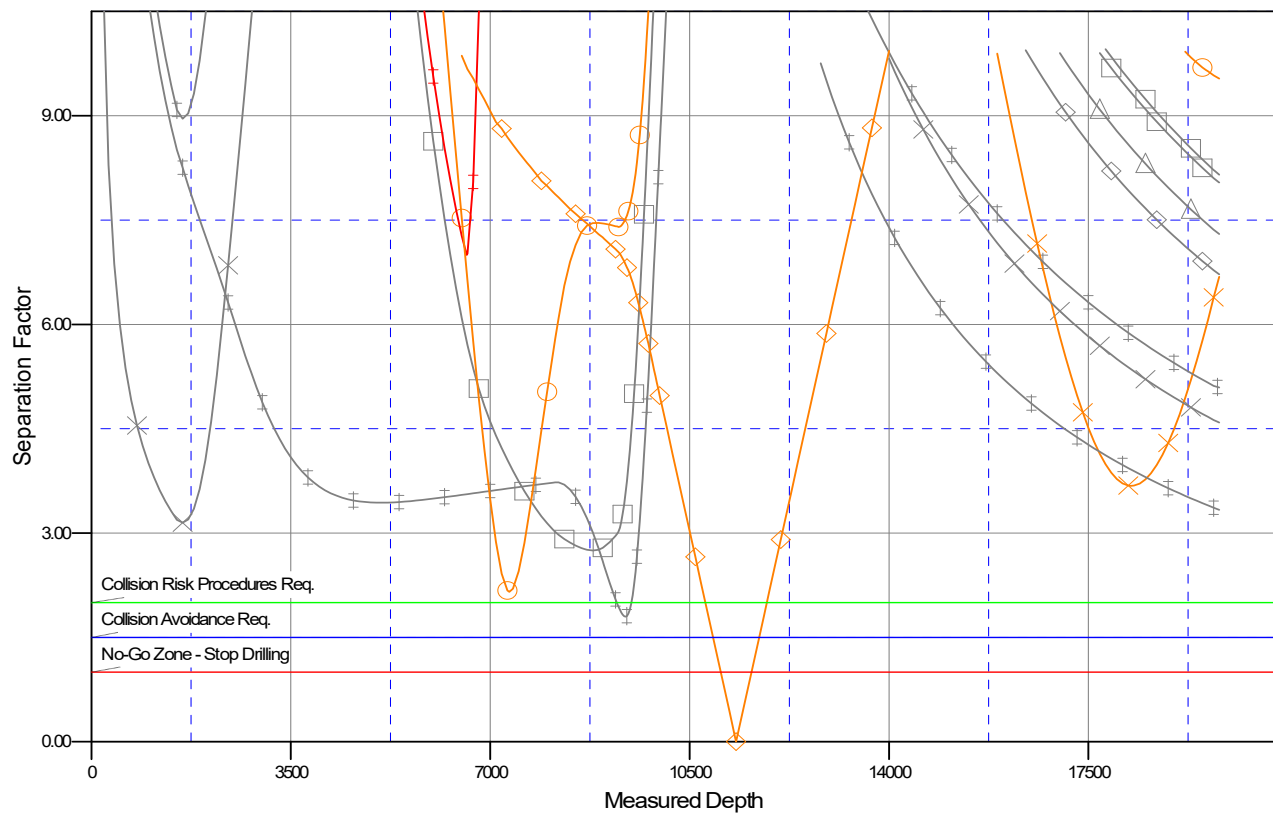
Central Meridian is -104.33333334

Coordinates are relative to: Gavilon Fed Com 306H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 300

Grid Convergence at Surface is: 0.36°

## Separation Factor Plot



## LEGEND

|                                                     |                                              |                                              |
|-----------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Gavilon Fed Com 604H, Wellbore #1, Plan 1 V0        | Gavilon Fed Com 708H, Wellbore #1, Plan 1 V0 | Gavilon Fed Com 305H, Wellbore #1, Plan 1 V0 |
| Gavilon Fed Com 704H, Wellbore #1, Actual V0        | Gavilon Fed Com 603H, Wellbore #1, Plan 1 V0 | Galvan Federal 001, Wellbore #1, Actual V0   |
| Gavilon Fed Com 704H, Wellbore #1, Plan 4 V0        | Gavilon Fed Com 706H, Wellbore #1, Plan 1 V0 | Gavilon Fed Com 403H, Wellbore #1, Plan 1 V0 |
| Tomahawk 28 Federal Com 001, Wellbore #1, Actual V0 | Gavilon Fed Com 602H, Wellbore #1, Actual V0 |                                              |
| Gavilon Fed Com 505H, Wellbore #1, Plan 1 V0        | Gavilon Fed Com 501H, Wellbore #1, Plan 1 V0 |                                              |

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





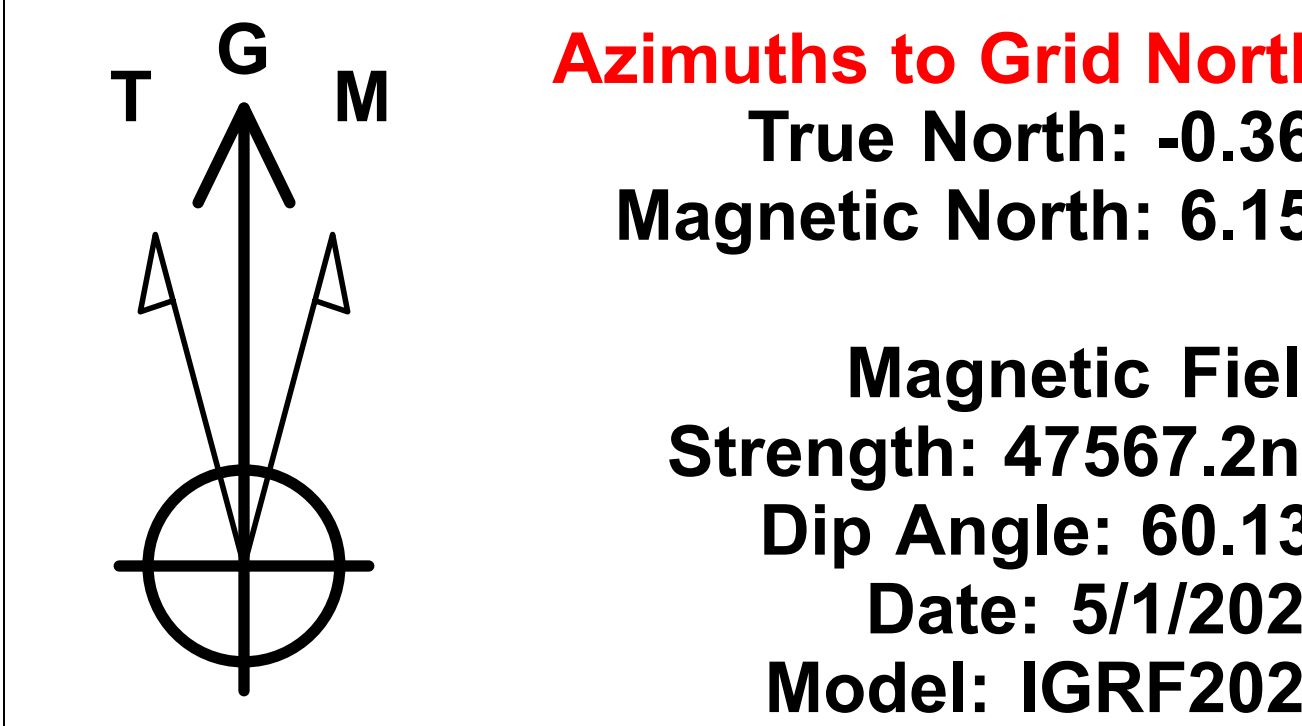
# Gavilon Fed Com 306H Patterson 813

## WELL DETAILS: Gavilon Fed Com 306H

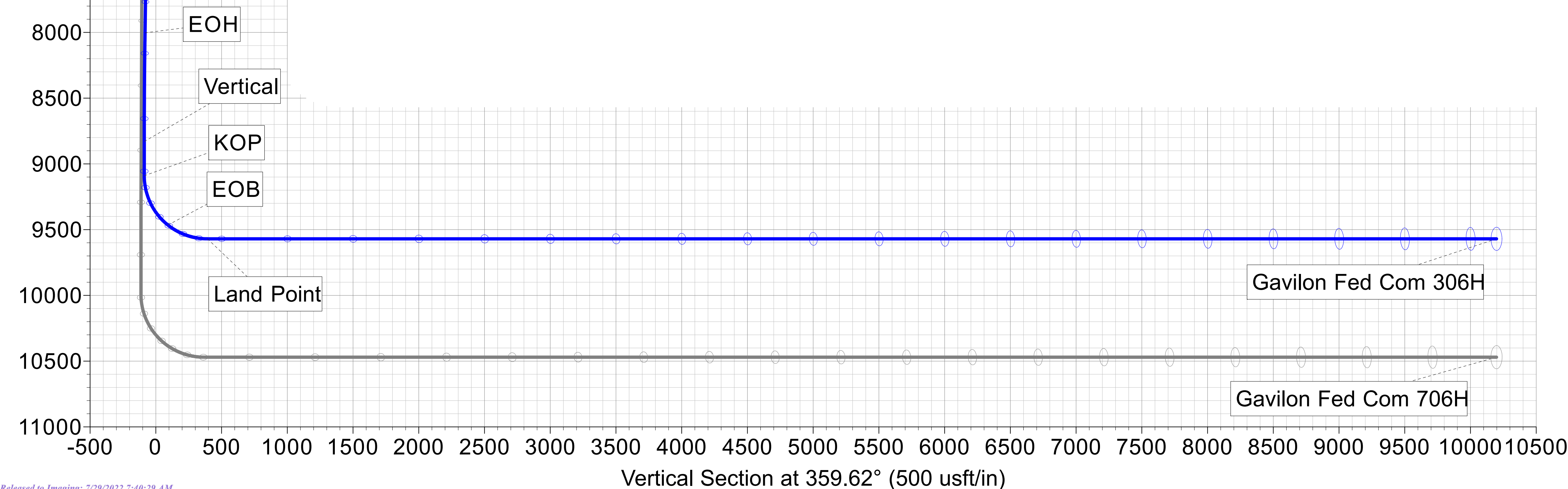
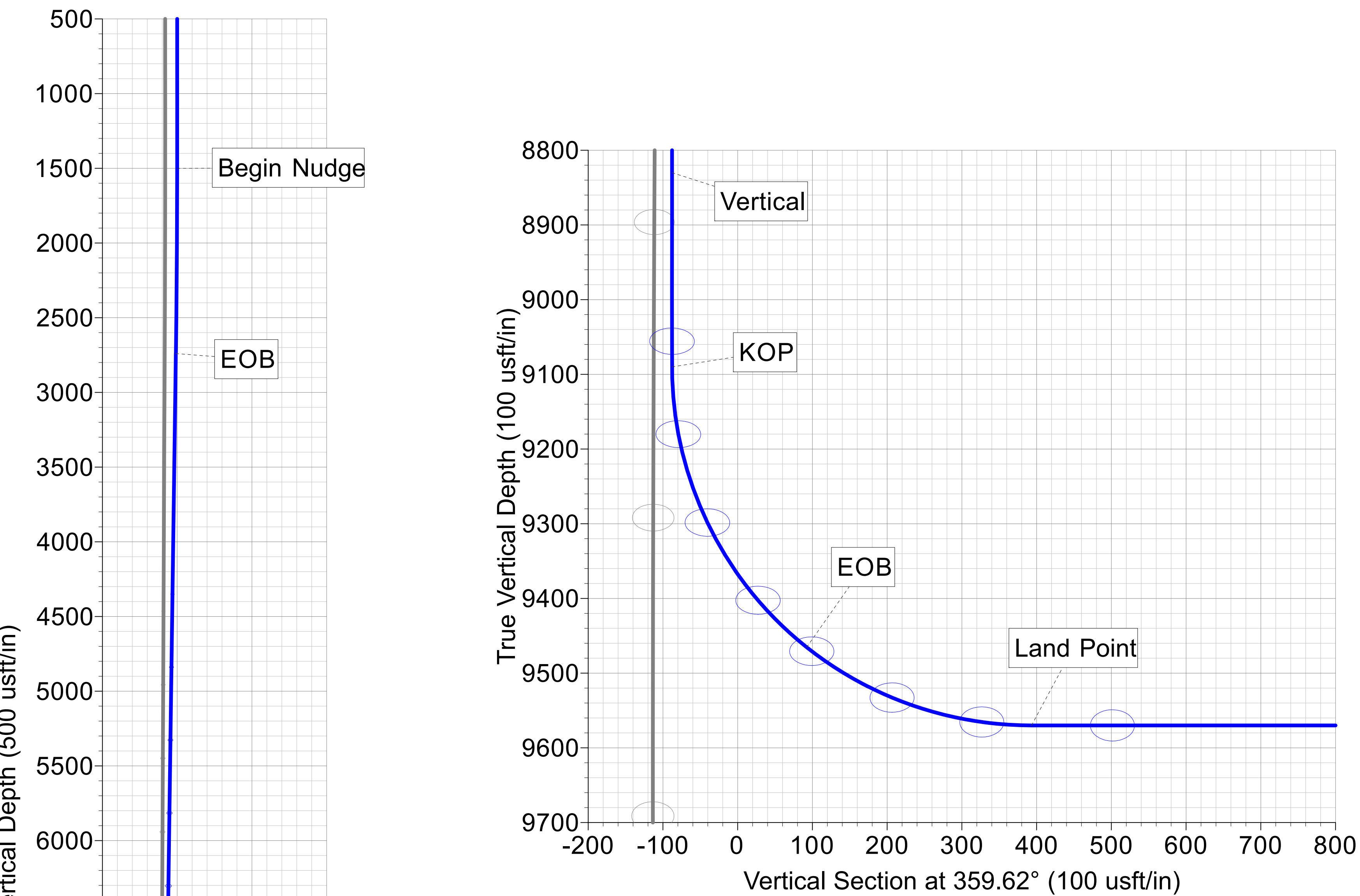
ELEVATION: 3667.00  
+N/-S 0.00 +E/-W 0.00 Northing 554600.70 Easting 704505.00 Latitude 32.52295664 Longitude -103.66984143

### SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W    | Dleg  | TFace  | VSect    | Annotation  |
|----------|-------|--------|---------|----------|----------|-------|--------|----------|-------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00     | 0.00  | 0.00   | 0.00     |             |
| 1500.00  | 0.00  | 0.00   | 1500.00 | 0.00     | 0.00     | 0.00  | 0.00   | 0.00     | Begin Nudge |
| 2750.22  | 12.50 | 266.01 | 2740.32 | -9.46    | -135.53  | 1.00  | 266.01 | -8.56    | EOB         |
| 8140.84  | 12.50 | 266.01 | 8003.12 | -90.69   | -1299.65 | 0.00  | 0.00   | -82.07   | EOH         |
| 8974.32  | 0.00  | 0.00   | 8830.00 | -97.00   | -1390.00 | 1.50  | 180.00 | -87.78   | Vertical    |
| 9234.32  | 0.00  | 0.00   | 9090.00 | -97.00   | -1390.00 | 0.00  | 0.00   | -87.78   | KOP         |
| 9666.30  | 51.85 | 8.72   | 9465.39 | 83.37    | -1362.34 | 12.00 | 8.72   | 92.40    | EOB         |
| 9991.75  | 90.00 | 359.62 | 9570.00 | 384.32   | -1343.27 | 12.00 | -14.54 | 393.22   | Land Point  |
| 19796.75 | 90.00 | 359.62 | 9570.00 | 10189.10 | -1408.30 | 0.00  | 0.00   | 10198.22 | BHL         |



Grid North is 0.36° East of True North (Grid Convergence)  
Magnetic North is 6.51° East of True North (Magnetic Declination)  
Magnetic North is 6.15° East of Grid North (Magnetic Convergence)  
To convert a True Direction to a Grid Direction, Subtract 0.36°  
To convert a Magnetic Direction to a True Direction, Add 6.51°  
To convert a Magnetic Direction to a Grid Direction, Add 6.15°



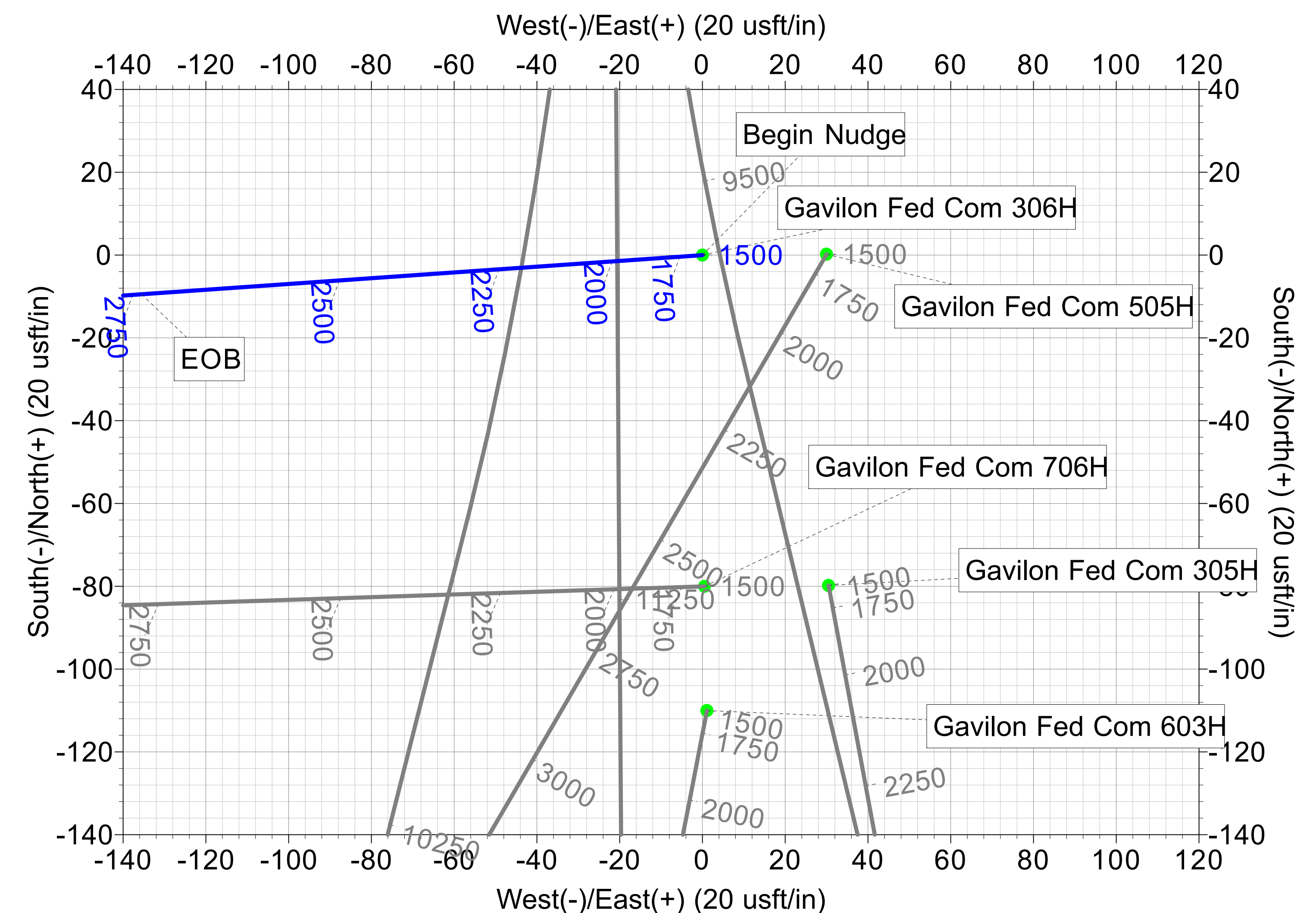
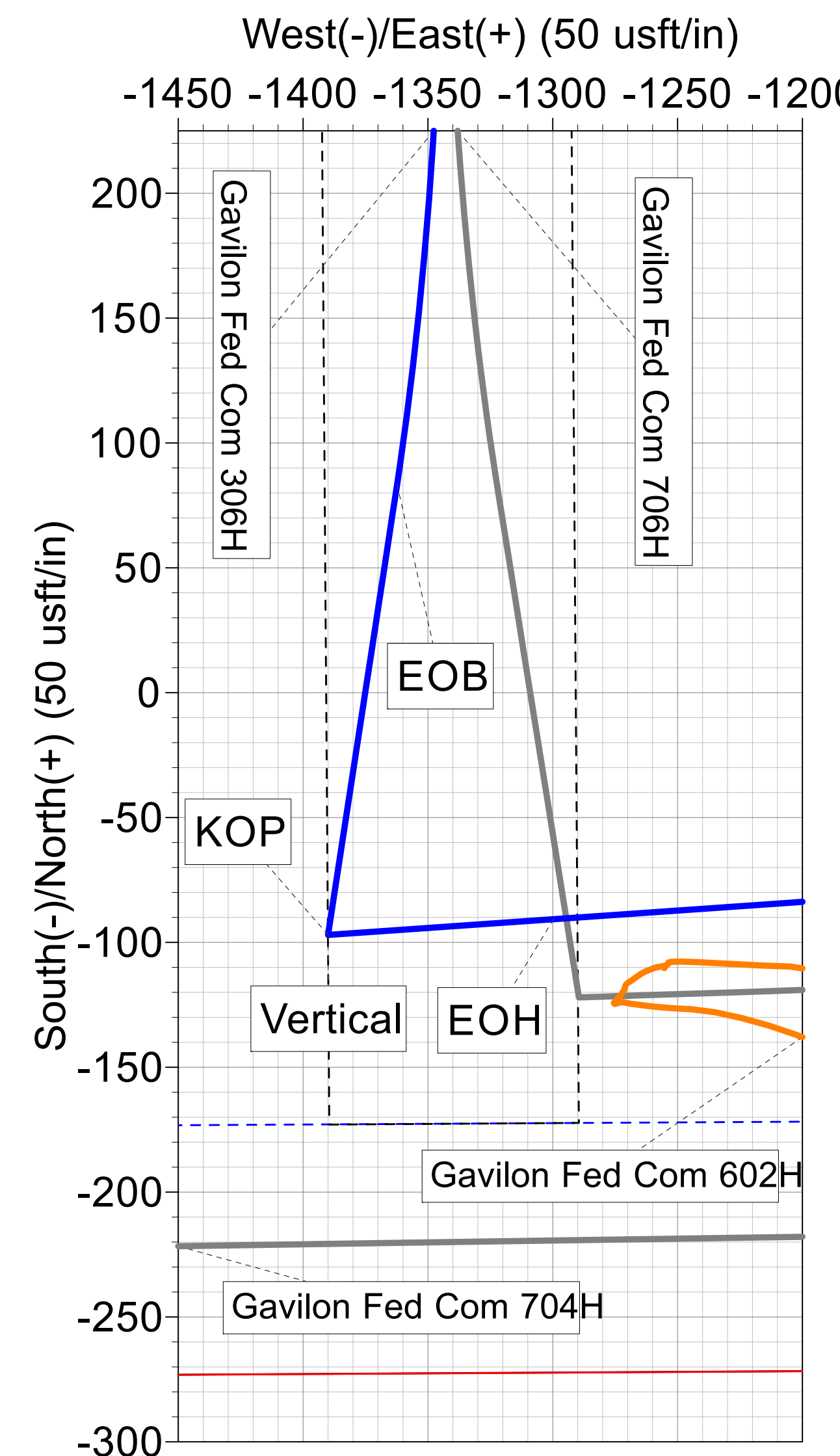
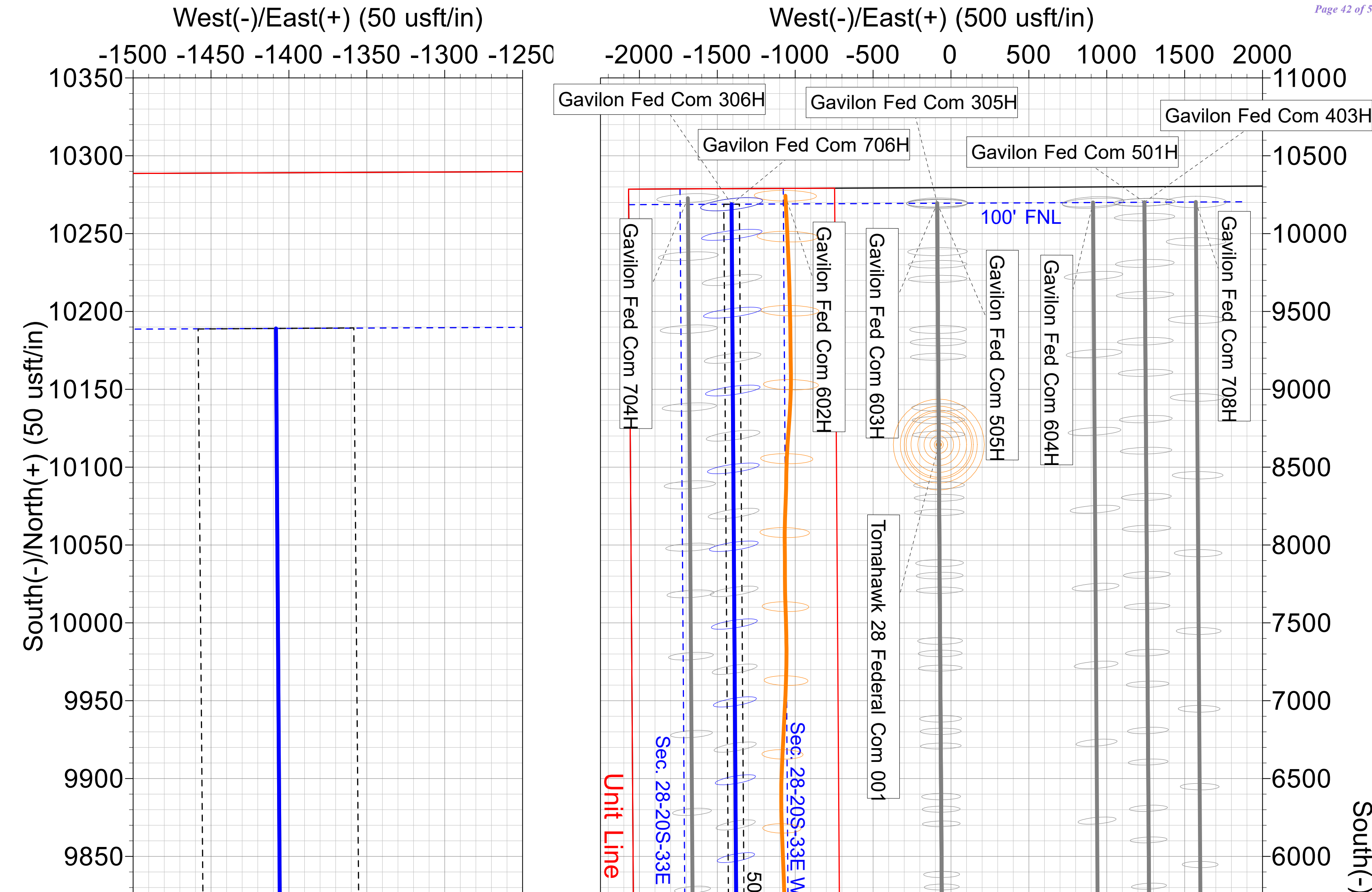
Project: Lea County, NM (NAD27)  
Site: Gavilon Fed Com Pads (Grid)  
Well: Gavilon Fed Com 306H  
Wellbore: Wellbore #1  
Design: Plan 1  
Rig: Patterson 813  
Depths: RKB @ 3695.50usft (Patterson 813)

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

### SURVEY PROGRAM

Depth From 0.00 Depth To 19796.28 Survey/Plan Plan 1 (Wellbore #1) Tool MWD+IGRF







## **Matador Resources**

**Lea County, NM (NAD27)**

**Gavilon Fed Com Pads (Grid)**

**Gavilon Fed Com 306H**

**Wellbore #1**

**Plan: Plan 1**

## **Standard Survey Report**

**28 March, 2022**





## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD27)               |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                              |                             |                     |                 |
|------------------------------|-----------------------------|---------------------|-----------------|
| <b>Site</b>                  | Gavilon Fed Com Pads (Grid) |                     |                 |
| <b>Site Position:</b>        |                             | <b>Northing:</b>    | 554,459.00 usft |
| <b>From:</b>                 | Map                         | <b>Easting:</b>     | 703,322.30 usft |
| <b>Position Uncertainty:</b> | 0.00 usft                   | <b>Slot Radius:</b> | 13-3/16 "       |
|                              |                             | <b>Latitude:</b>    | 32.52258733     |
|                              |                             | <b>Longitude:</b>   | -103.67368119   |

|                             |                      |                            |                                  |
|-----------------------------|----------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Gavilon Fed Com 306H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>         | 0.00 usft                  | <b>Northing:</b> 554,600.70 usft |
|                             | <b>+E/-W</b>         | 0.00 usft                  | <b>Easting:</b> 704,505.00 usft  |
| <b>Position Uncertainty</b> | 0.50 usft            | <b>Wellhead Elevation:</b> | usft                             |
| <b>Grid Convergence:</b>    | 0.36 °               | <b>Ground Level:</b>       | 3,667.00 usft                    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 5/1/2022           | 6.51                   | 60.13                | 47,567.17490001            |

|                          |                                |                     |                      |                      |  |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| <b>Design</b>            | Plan 1                         |                     |                      |                      |  |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |  |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <b>Tie On Depth:</b> | 0.00                 |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>  | <b>Direction (°)</b> |  |
|                          | 0.00                           | 0.00                | 0.00                 | 359.62               |  |

|                            |                  |                          |                  |                        |  |
|----------------------------|------------------|--------------------------|------------------|------------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b>      | 3/25/2022                |                  |                        |  |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>     |  |
| 0.00                       | 19,796.28        | Plan 1 (Wellbore #1)     | MWD+IGRF         | OWSG MWD + IGRF or WMM |  |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Planned Survey</b>        |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 100.00                       | 0.00                   | 0.00               | 100.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 200.00                       | 0.00                   | 0.00               | 200.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 300.00                       | 0.00                   | 0.00               | 300.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 400.00                       | 0.00                   | 0.00               | 400.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 500.00                       | 0.00                   | 0.00               | 500.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 600.00                       | 0.00                   | 0.00               | 600.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 700.00                       | 0.00                   | 0.00               | 700.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 800.00                       | 0.00                   | 0.00               | 800.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 900.00                       | 0.00                   | 0.00               | 900.00                       | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |



## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| 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) |
| 1,000.00              | 0.00            | 0.00        | 1,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00              | 0.00            | 0.00        | 1,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00              | 0.00            | 0.00        | 1,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00              | 0.00            | 0.00        | 1,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00              | 0.00            | 0.00        | 1,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00              | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Begin Nudge</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,600.00              | 1.00            | 266.01      | 1,599.99              | -0.06        | -0.87        | -0.05                   | 1.00                    | 1.00                   | 0.00                  |
| 1,700.00              | 2.00            | 266.01      | 1,699.96              | -0.24        | -3.48        | -0.22                   | 1.00                    | 1.00                   | 0.00                  |
| 1,800.00              | 3.00            | 266.01      | 1,799.86              | -0.55        | -7.83        | -0.49                   | 1.00                    | 1.00                   | 0.00                  |
| 1,900.00              | 4.00            | 266.01      | 1,899.68              | -0.97        | -13.92       | -0.88                   | 1.00                    | 1.00                   | 0.00                  |
| 2,000.00              | 5.00            | 266.01      | 1,999.37              | -1.52        | -21.75       | -1.37                   | 1.00                    | 1.00                   | 0.00                  |
| 2,100.00              | 6.00            | 266.01      | 2,098.90              | -2.19        | -31.31       | -1.98                   | 1.00                    | 1.00                   | 0.00                  |
| 2,200.00              | 7.00            | 266.01      | 2,198.26              | -2.97        | -42.60       | -2.69                   | 1.00                    | 1.00                   | 0.00                  |
| 2,300.00              | 8.00            | 266.01      | 2,297.40              | -3.88        | -55.62       | -3.51                   | 1.00                    | 1.00                   | 0.00                  |
| 2,400.00              | 9.00            | 266.01      | 2,396.30              | -4.91        | -70.37       | -4.44                   | 1.00                    | 1.00                   | 0.00                  |
| 2,500.00              | 10.00           | 266.01      | 2,494.93              | -6.06        | -86.83       | -5.48                   | 1.00                    | 1.00                   | 0.00                  |
| 2,600.00              | 11.00           | 266.01      | 2,593.26              | -7.33        | -105.01      | -6.63                   | 1.00                    | 1.00                   | 0.00                  |
| 2,700.00              | 12.00           | 266.01      | 2,691.25              | -8.72        | -124.90      | -7.89                   | 1.00                    | 1.00                   | 0.00                  |
| 2,750.22              | 12.50           | 266.01      | 2,740.32              | -9.46        | -135.53      | -8.56                   | 1.00                    | 1.00                   | 0.00                  |
| <b>EOB</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,800.00              | 12.50           | 266.01      | 2,788.92              | -10.21       | -146.28      | -9.24                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00              | 12.50           | 266.01      | 2,886.55              | -11.72       | -167.88      | -10.60                  | 0.00                    | 0.00                   | 0.00                  |
| 3,000.00              | 12.50           | 266.01      | 2,984.18              | -13.22       | -189.47      | -11.97                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00              | 12.50           | 266.01      | 3,081.81              | -14.73       | -211.07      | -13.33                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00              | 12.50           | 266.01      | 3,179.44              | -16.24       | -232.66      | -14.69                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00              | 12.50           | 266.01      | 3,277.07              | -17.74       | -254.26      | -16.06                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00              | 12.50           | 266.01      | 3,374.69              | -19.25       | -275.85      | -17.42                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00              | 12.50           | 266.01      | 3,472.32              | -20.76       | -297.45      | -18.78                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00              | 12.50           | 266.01      | 3,569.95              | -22.26       | -319.04      | -20.15                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00              | 12.50           | 266.01      | 3,667.58              | -23.77       | -340.64      | -21.51                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00              | 12.50           | 266.01      | 3,765.21              | -25.28       | -362.23      | -22.88                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00              | 12.50           | 266.01      | 3,862.84              | -26.79       | -383.83      | -24.24                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00              | 12.50           | 266.01      | 3,960.47              | -28.29       | -405.42      | -25.60                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00              | 12.50           | 266.01      | 4,058.10              | -29.80       | -427.02      | -26.97                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00              | 12.50           | 266.01      | 4,155.72              | -31.31       | -448.61      | -28.33                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00              | 12.50           | 266.01      | 4,253.35              | -32.81       | -470.21      | -29.69                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00              | 12.50           | 266.01      | 4,350.98              | -34.32       | -491.80      | -31.06                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00              | 12.50           | 266.01      | 4,448.61              | -35.83       | -513.40      | -32.42                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00              | 12.50           | 266.01      | 4,546.24              | -37.33       | -535.00      | -33.79                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00              | 12.50           | 266.01      | 4,643.87              | -38.84       | -556.59      | -35.15                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00              | 12.50           | 266.01      | 4,741.50              | -40.35       | -578.19      | -36.51                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00              | 12.50           | 266.01      | 4,839.13              | -41.86       | -599.78      | -37.88                  | 0.00                    | 0.00                   | 0.00                  |



## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 5,000.00              | 12.50           | 266.01      | 4,936.76              | -43.36       | -621.38      | -39.24                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,100.00              | 12.50           | 266.01      | 5,034.38              | -44.87       | -642.97      | -40.60                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,200.00              | 12.50           | 266.01      | 5,132.01              | -46.38       | -664.57      | -41.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,300.00              | 12.50           | 266.01      | 5,229.64              | -47.88       | -686.16      | -43.33                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.00              | 12.50           | 266.01      | 5,327.27              | -49.39       | -707.76      | -44.70                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.00              | 12.50           | 266.01      | 5,424.90              | -50.90       | -729.35      | -46.06                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,600.00              | 12.50           | 266.01      | 5,522.53              | -52.40       | -750.95      | -47.42                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.00              | 12.50           | 266.01      | 5,620.16              | -53.91       | -772.54      | -48.79                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,800.00              | 12.50           | 266.01      | 5,717.79              | -55.42       | -794.14      | -50.15                  | 0.00                    | 0.00                   | 0.00                  |  |
| 5,900.00              | 12.50           | 266.01      | 5,815.41              | -56.93       | -815.73      | -51.51                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,000.00              | 12.50           | 266.01      | 5,913.04              | -58.43       | -837.33      | -52.88                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,100.00              | 12.50           | 266.01      | 6,010.67              | -59.94       | -858.92      | -54.24                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,200.00              | 12.50           | 266.01      | 6,108.30              | -61.45       | -880.52      | -55.61                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,300.00              | 12.50           | 266.01      | 6,205.93              | -62.95       | -902.11      | -56.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.00              | 12.50           | 266.01      | 6,303.56              | -64.46       | -923.71      | -58.33                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.00              | 12.50           | 266.01      | 6,401.19              | -65.97       | -945.30      | -59.70                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.00              | 12.50           | 266.01      | 6,498.82              | -67.47       | -966.90      | -61.06                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.00              | 12.50           | 266.01      | 6,596.44              | -68.98       | -988.49      | -62.42                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.00              | 12.50           | 266.01      | 6,694.07              | -70.49       | -1,010.09    | -63.79                  | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.00              | 12.50           | 266.01      | 6,791.70              | -72.00       | -1,031.68    | -65.15                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,000.00              | 12.50           | 266.01      | 6,889.33              | -73.50       | -1,053.28    | -66.52                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.00              | 12.50           | 266.01      | 6,986.96              | -75.01       | -1,074.87    | -67.88                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.00              | 12.50           | 266.01      | 7,084.59              | -76.52       | -1,096.47    | -69.24                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.00              | 12.50           | 266.01      | 7,182.22              | -78.02       | -1,118.06    | -70.61                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.00              | 12.50           | 266.01      | 7,279.85              | -79.53       | -1,139.66    | -71.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.00              | 12.50           | 266.01      | 7,377.47              | -81.04       | -1,161.26    | -73.33                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,600.00              | 12.50           | 266.01      | 7,475.10              | -82.54       | -1,182.85    | -74.70                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,700.00              | 12.50           | 266.01      | 7,572.73              | -84.05       | -1,204.45    | -76.06                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,800.00              | 12.50           | 266.01      | 7,670.36              | -85.56       | -1,226.04    | -77.42                  | 0.00                    | 0.00                   | 0.00                  |  |
| 7,900.00              | 12.50           | 266.01      | 7,767.99              | -87.07       | -1,247.64    | -78.79                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,000.00              | 12.50           | 266.01      | 7,865.62              | -88.57       | -1,269.23    | -80.15                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,100.00              | 12.50           | 266.01      | 7,963.25              | -90.08       | -1,290.83    | -81.52                  | 0.00                    | 0.00                   | 0.00                  |  |
| 8,140.84              | 12.50           | 266.01      | 8,003.12              | -90.69       | -1,299.65    | -82.07                  | 0.00                    | 0.00                   | 0.00                  |  |
| EOH                   |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 8,200.00              | 11.61           | 266.01      | 8,060.97              | -91.56       | -1,311.97    | -82.85                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,300.00              | 10.11           | 266.01      | 8,159.18              | -92.87       | -1,330.78    | -84.04                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,400.00              | 8.61            | 266.01      | 8,257.84              | -94.00       | -1,347.01    | -85.06                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,500.00              | 7.11            | 266.01      | 8,356.90              | -94.95       | -1,360.66    | -85.93                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,600.00              | 5.61            | 266.01      | 8,456.28              | -95.72       | -1,371.72    | -86.62                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,700.00              | 4.11            | 266.01      | 8,555.92              | -96.31       | -1,380.18    | -87.16                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,800.00              | 2.61            | 266.01      | 8,655.74              | -96.72       | -1,386.03    | -87.53                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,900.00              | 1.11            | 266.01      | 8,755.69              | -96.95       | -1,389.28    | -87.73                  | 1.50                    | -1.50                  | 0.00                  |  |
| 8,974.32              | 0.00            | 0.00        | 8,830.00              | -97.00       | -1,390.00    | -87.78                  | 1.50                    | -1.50                  | 0.00                  |  |
| Vertical              |                 |             |                       |              |              |                         |                         |                        |                       |  |



## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,000.00              | 0.00            | 0.00        | 8,855.68              | -97.00       | -1,390.00    | -87.78                  | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00              | 0.00            | 0.00        | 8,955.68              | -97.00       | -1,390.00    | -87.78                  | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00              | 0.00            | 0.00        | 9,055.68              | -97.00       | -1,390.00    | -87.78                  | 0.00                    | 0.00                   | 0.00                  |
| 9,234.32              | 0.00            | 0.00        | 9,090.00              | -97.00       | -1,390.00    | -87.78                  | 0.00                    | 0.00                   | 0.00                  |
| <b>KOP</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,300.00              | 7.88            | 8.72        | 9,155.47              | -92.54       | -1,389.32    | -83.32                  | 12.00                   | 12.00                  | 0.00                  |
| 9,400.00              | 19.89           | 8.72        | 9,252.37              | -68.87       | -1,385.68    | -59.67                  | 12.00                   | 12.00                  | 0.00                  |
| 9,500.00              | 31.89           | 8.72        | 9,342.18              | -25.79       | -1,379.08    | -16.64                  | 12.00                   | 12.00                  | 0.00                  |
| 9,600.00              | 43.89           | 8.72        | 9,420.95              | 34.80        | -1,369.78    | 43.89                   | 12.00                   | 12.00                  | 0.00                  |
| 9,666.30              | 51.85           | 8.72        | 9,465.39              | 83.37        | -1,362.34    | 92.40                   | 12.00                   | 12.00                  | 0.00                  |
| <b>EOB</b>            |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,700.00              | 55.77           | 7.49        | 9,485.29              | 110.28       | -1,358.51    | 119.29                  | 12.00                   | 11.64                  | -3.64                 |
| 9,800.00              | 67.46           | 4.41        | 9,532.75              | 197.63       | -1,349.53    | 206.58                  | 12.00                   | 11.69                  | -3.08                 |
| 9,900.00              | 79.21           | 1.82        | 9,561.38              | 293.12       | -1,344.40    | 302.03                  | 12.00                   | 11.74                  | -2.59                 |
| 9,991.75              | 90.00           | 359.62      | 9,570.00              | 384.32       | -1,343.27    | 393.22                  | 12.00                   | 11.76                  | -2.40                 |
| <b>Land Point</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,000.00             | 90.00           | 359.62      | 9,570.00              | 392.57       | -1,343.33    | 401.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00             | 90.00           | 359.62      | 9,570.00              | 492.56       | -1,343.99    | 501.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00             | 90.00           | 359.62      | 9,570.00              | 592.56       | -1,344.65    | 601.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.00             | 90.00           | 359.62      | 9,570.00              | 692.56       | -1,345.32    | 701.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00             | 90.00           | 359.62      | 9,570.00              | 792.56       | -1,345.98    | 801.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00             | 90.00           | 359.62      | 9,570.00              | 892.55       | -1,346.64    | 901.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00             | 90.00           | 359.62      | 9,570.00              | 992.55       | -1,347.31    | 1,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00             | 90.00           | 359.62      | 9,570.00              | 1,092.55     | -1,347.97    | 1,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00             | 90.00           | 359.62      | 9,570.00              | 1,192.55     | -1,348.63    | 1,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00             | 90.00           | 359.62      | 9,570.00              | 1,292.55     | -1,349.29    | 1,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00             | 90.00           | 359.62      | 9,570.00              | 1,392.54     | -1,349.96    | 1,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00             | 90.00           | 359.62      | 9,570.00              | 1,492.54     | -1,350.62    | 1,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00             | 90.00           | 359.62      | 9,570.00              | 1,592.54     | -1,351.28    | 1,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00             | 90.00           | 359.62      | 9,570.00              | 1,692.54     | -1,351.95    | 1,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00             | 90.00           | 359.62      | 9,570.00              | 1,792.53     | -1,352.61    | 1,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00             | 90.00           | 359.62      | 9,570.00              | 1,892.53     | -1,353.27    | 1,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00             | 90.00           | 359.62      | 9,570.00              | 1,992.53     | -1,353.94    | 2,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00             | 90.00           | 359.62      | 9,570.00              | 2,092.53     | -1,354.60    | 2,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00             | 90.00           | 359.62      | 9,570.00              | 2,192.53     | -1,355.26    | 2,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00             | 90.00           | 359.62      | 9,570.00              | 2,292.52     | -1,355.93    | 2,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00             | 90.00           | 359.62      | 9,570.00              | 2,392.52     | -1,356.59    | 2,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 90.00           | 359.62      | 9,570.00              | 2,492.52     | -1,357.25    | 2,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 90.00           | 359.62      | 9,570.00              | 2,592.52     | -1,357.92    | 2,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 90.00           | 359.62      | 9,570.00              | 2,692.52     | -1,358.58    | 2,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 90.00           | 359.62      | 9,570.00              | 2,792.51     | -1,359.24    | 2,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00             | 90.00           | 359.62      | 9,570.00              | 2,892.51     | -1,359.91    | 2,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00             | 90.00           | 359.62      | 9,570.00              | 2,992.51     | -1,360.57    | 3,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00             | 90.00           | 359.62      | 9,570.00              | 3,092.51     | -1,361.23    | 3,101.47                | 0.00                    | 0.00                   | 0.00                  |



## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| 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) |
| 12,800.00             | 90.00           | 359.62      | 9,570.00              | 3,192.50     | -1,361.90    | 3,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00             | 90.00           | 359.62      | 9,570.00              | 3,292.50     | -1,362.56    | 3,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00             | 90.00           | 359.62      | 9,570.00              | 3,392.50     | -1,363.22    | 3,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00             | 90.00           | 359.62      | 9,570.00              | 3,492.50     | -1,363.89    | 3,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00             | 90.00           | 359.62      | 9,570.00              | 3,592.50     | -1,364.55    | 3,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00             | 90.00           | 359.62      | 9,570.00              | 3,692.49     | -1,365.21    | 3,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00             | 90.00           | 359.62      | 9,570.00              | 3,792.49     | -1,365.88    | 3,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00             | 90.00           | 359.62      | 9,570.00              | 3,892.49     | -1,366.54    | 3,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00             | 90.00           | 359.62      | 9,570.00              | 3,992.49     | -1,367.20    | 4,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00             | 90.00           | 359.62      | 9,570.00              | 4,092.48     | -1,367.87    | 4,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00             | 90.00           | 359.62      | 9,570.00              | 4,192.48     | -1,368.53    | 4,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00             | 90.00           | 359.62      | 9,570.00              | 4,292.48     | -1,369.19    | 4,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00             | 90.00           | 359.62      | 9,570.00              | 4,392.48     | -1,369.85    | 4,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00             | 90.00           | 359.62      | 9,570.00              | 4,492.48     | -1,370.52    | 4,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00             | 90.00           | 359.62      | 9,570.00              | 4,592.47     | -1,371.18    | 4,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00             | 90.00           | 359.62      | 9,570.00              | 4,692.47     | -1,371.84    | 4,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00             | 90.00           | 359.62      | 9,570.00              | 4,792.47     | -1,372.51    | 4,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00             | 90.00           | 359.62      | 9,570.00              | 4,892.47     | -1,373.17    | 4,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00             | 90.00           | 359.62      | 9,570.00              | 4,992.46     | -1,373.83    | 5,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00             | 90.00           | 359.62      | 9,570.00              | 5,092.46     | -1,374.50    | 5,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00             | 90.00           | 359.62      | 9,570.00              | 5,192.46     | -1,375.16    | 5,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00             | 90.00           | 359.62      | 9,570.00              | 5,292.46     | -1,375.82    | 5,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00             | 90.00           | 359.62      | 9,570.00              | 5,392.46     | -1,376.49    | 5,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,100.00             | 90.00           | 359.62      | 9,570.00              | 5,492.45     | -1,377.15    | 5,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00             | 90.00           | 359.62      | 9,570.00              | 5,592.45     | -1,377.81    | 5,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00             | 90.00           | 359.62      | 9,570.00              | 5,692.45     | -1,378.48    | 5,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00             | 90.00           | 359.62      | 9,570.00              | 5,792.45     | -1,379.14    | 5,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00             | 90.00           | 359.62      | 9,570.00              | 5,892.44     | -1,379.80    | 5,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00             | 90.00           | 359.62      | 9,570.00              | 5,992.44     | -1,380.47    | 6,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00             | 90.00           | 359.62      | 9,570.00              | 6,092.44     | -1,381.13    | 6,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00             | 90.00           | 359.62      | 9,570.00              | 6,192.44     | -1,381.79    | 6,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00             | 90.00           | 359.62      | 9,570.00              | 6,292.44     | -1,382.46    | 6,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00             | 90.00           | 359.62      | 9,570.00              | 6,392.43     | -1,383.12    | 6,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,100.00             | 90.00           | 359.62      | 9,570.00              | 6,492.43     | -1,383.78    | 6,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,200.00             | 90.00           | 359.62      | 9,570.00              | 6,592.43     | -1,384.45    | 6,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00             | 90.00           | 359.62      | 9,570.00              | 6,692.43     | -1,385.11    | 6,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00             | 90.00           | 359.62      | 9,570.00              | 6,792.42     | -1,385.77    | 6,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00             | 90.00           | 359.62      | 9,570.00              | 6,892.42     | -1,386.44    | 6,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00             | 90.00           | 359.62      | 9,570.00              | 6,992.42     | -1,387.10    | 7,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00             | 90.00           | 359.62      | 9,570.00              | 7,092.42     | -1,387.76    | 7,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00             | 90.00           | 359.62      | 9,570.00              | 7,192.42     | -1,388.42    | 7,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00             | 90.00           | 359.62      | 9,570.00              | 7,292.41     | -1,389.09    | 7,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00             | 90.00           | 359.62      | 9,570.00              | 7,392.41     | -1,389.75    | 7,401.47                | 0.00                    | 0.00                   | 0.00                  |





## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| 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) |
| 17,100.00             | 90.00           | 359.62      | 9,570.00              | 7,492.41     | -1,390.41    | 7,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00             | 90.00           | 359.62      | 9,570.00              | 7,592.41     | -1,391.08    | 7,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00             | 90.00           | 359.62      | 9,570.00              | 7,692.41     | -1,391.74    | 7,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00             | 90.00           | 359.62      | 9,570.00              | 7,792.40     | -1,392.40    | 7,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00             | 90.00           | 359.62      | 9,570.00              | 7,892.40     | -1,393.07    | 7,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,600.00             | 90.00           | 359.62      | 9,570.00              | 7,992.40     | -1,393.73    | 8,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,700.00             | 90.00           | 359.62      | 9,570.00              | 8,092.40     | -1,394.39    | 8,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,800.00             | 90.00           | 359.62      | 9,570.00              | 8,192.39     | -1,395.06    | 8,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 17,900.00             | 90.00           | 359.62      | 9,570.00              | 8,292.39     | -1,395.72    | 8,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,000.00             | 90.00           | 359.62      | 9,570.00              | 8,392.39     | -1,396.38    | 8,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,100.00             | 90.00           | 359.62      | 9,570.00              | 8,492.39     | -1,397.05    | 8,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,200.00             | 90.00           | 359.62      | 9,570.00              | 8,592.39     | -1,397.71    | 8,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,300.00             | 90.00           | 359.62      | 9,570.00              | 8,692.38     | -1,398.37    | 8,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,400.00             | 90.00           | 359.62      | 9,570.00              | 8,792.38     | -1,399.04    | 8,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,500.00             | 90.00           | 359.62      | 9,570.00              | 8,892.38     | -1,399.70    | 8,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,600.00             | 90.00           | 359.62      | 9,570.00              | 8,992.38     | -1,400.36    | 9,001.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,700.00             | 90.00           | 359.62      | 9,570.00              | 9,092.37     | -1,401.03    | 9,101.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,800.00             | 90.00           | 359.62      | 9,570.00              | 9,192.37     | -1,401.69    | 9,201.47                | 0.00                    | 0.00                   | 0.00                  |
| 18,900.00             | 90.00           | 359.62      | 9,570.00              | 9,292.37     | -1,402.35    | 9,301.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,000.00             | 90.00           | 359.62      | 9,570.00              | 9,392.37     | -1,403.02    | 9,401.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,100.00             | 90.00           | 359.62      | 9,570.00              | 9,492.37     | -1,403.68    | 9,501.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,200.00             | 90.00           | 359.62      | 9,570.00              | 9,592.36     | -1,404.34    | 9,601.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,300.00             | 90.00           | 359.62      | 9,570.00              | 9,692.36     | -1,405.01    | 9,701.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,400.00             | 90.00           | 359.62      | 9,570.00              | 9,792.36     | -1,405.67    | 9,801.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,500.00             | 90.00           | 359.62      | 9,570.00              | 9,892.36     | -1,406.33    | 9,901.47                | 0.00                    | 0.00                   | 0.00                  |
| 19,600.00             | 90.00           | 359.62      | 9,570.00              | 9,992.35     | -1,407.00    | 10,001.47               | 0.00                    | 0.00                   | 0.00                  |
| 19,700.00             | 90.00           | 359.62      | 9,570.00              | 10,092.35    | -1,407.66    | 10,101.47               | 0.00                    | 0.00                   | 0.00                  |
| 19,796.75             | 90.00           | 359.62      | 9,570.00              | 10,189.10    | -1,408.30    | 10,198.22               | 0.00                    | 0.00                   | 0.00                  |
| BHL                   |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                                                              |               |              |            |              |              |                 |                |             |               |
|-----------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-------------|---------------|
| Target Name                                                                                                                 | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude    | Longitude     |
| Gavilon Fed Com 306H<br>- hit/miss target<br>- Shape                                                                        | 0.00          | 0.00         | 0.00       | -222.56      | -1,339.17    | 554,378.14      | 703,165.83     | 32.52236774 | -103.67419042 |
| - plan misses target center by 1357.54usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)                                        |               |              |            |              |              |                 |                |             |               |
| - Point                                                                                                                     |               |              |            |              |              |                 |                |             |               |
| Gavilon Fed Com 306H<br>- plan misses target center by 1350.57usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)                | 0.00          | 0.00         | 0.00       | -172.60      | -1,339.50    | 554,428.10      | 703,165.50     | 32.52250506 | -103.67419049 |
| - Point                                                                                                                     |               |              |            |              |              |                 |                |             |               |
| Gavilon Fed Com 306H<br>- plan misses target center by 9570.00usft at 19796.75usft MD (9570.00 TVD, 10189.10 N, -1408.30 E) | 0.00          | 0.00         | 0.00       | 10,189.10    | -1,408.30    | 564,789.80      | 703,096.70     | 32.55098718 | -103.67420570 |
| - Point                                                                                                                     |               |              |            |              |              |                 |                |             |               |



## Survey Report



|                  |                             |                                     |                                   |
|------------------|-----------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>  | Matador Resources           | <b>Local Co-ordinate Reference:</b> | Well Gavilon Fed Com 306H         |
| <b>Project:</b>  | Lea County, NM (NAD27)      | <b>TVD Reference:</b>               | RKB @ 3695.50usft (Patterson 813) |
| <b>Site:</b>     | Gavilon Fed Com Pads (Grid) | <b>MD Reference:</b>                | RKB @ 3695.50usft (Patterson 813) |
| <b>Well:</b>     | Gavilon Fed Com 306H        | <b>North Reference:</b>             | Grid                              |
| <b>Wellbore:</b> | Wellbore #1                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Design:</b>   | Plan 1                      | <b>Database:</b>                    | 1 - EDM Production                |

| Plan Annotations            |                             |                   |                 |             |
|-----------------------------|-----------------------------|-------------------|-----------------|-------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment     |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |             |
| 1500                        | 1500                        | 0                 | 0               | Begin Nudge |
| 2750                        | 2740                        | -9                | -136            | EOB         |
| 8141                        | 8003                        | -91               | -1300           | EOH         |
| 8974                        | 8830                        | -97               | -1390           | Vertical    |
| 9234                        | 9090                        | -97               | -1390           | KOP         |
| 9666                        | 9465                        | 83                | -1362           | EOB         |
| 9992                        | 9570                        | 384               | -1343           | Land Point  |
| 19,797                      | 9570                        | 10,189            | -1408           | BHL         |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
811 S. First St., Artesia, NM 88210  
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**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 120526

CONDITIONS

|                                                                                   |                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                     |
|                                                                                   | Action Number:<br>120526                             |
|                                                                                   | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |                      |                |
|------------|----------------------|----------------|
| Created By | Condition            | Condition Date |
| pkautz     | PREVIOUS COA's APPLY | 7/29/2022      |