

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

Form C-101  
August 1, 2011

Permit 394616

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                                      |                                            |                               |
|------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 |                                            | 2. OGRID Number<br>228937     |
|                                                                                                      |                                            | 3. API Number<br>30-025-55310 |
| 4. Property Code<br>337724                                                                           | 5. Property Name<br>John Stewart State Com | 6. Well No.<br>220H           |

**7. Surface Location**

|               |               |                 |              |              |                  |               |                   |               |               |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>O | Section<br>22 | Township<br>26S | Range<br>36E | Lot Idn<br>O | Feet From<br>459 | N/S Line<br>S | Feet From<br>2030 | E/W Line<br>E | County<br>Lea |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                  |               |                   |               |               |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>C | Section<br>27 | Township<br>26S | Range<br>36E | Lot Idn<br>C | Feet From<br>100 | N/S Line<br>N | Feet From<br>1980 | E/W Line<br>W | County<br>Lea |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|---------------|

**9. Pool Information**

|                               |       |
|-------------------------------|-------|
| WC-025 G-09 S263619C;WOLFCAMP | 98234 |
|-------------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>2905 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>27980 | 18. Formation<br>Wolfcamp              | 19. Contractor          | 20. Spud Date<br>1/19/2026         |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 54.5             | 2263          | 1525            | 0             |
| Int1 | 12.25     | 10.75       | 45.5             | 5760          | 1109            | 0             |
| Int2 | 9.875     | 7.625       | 29.7             | 11209         | 2204            | 0             |
| Prod | 6.75      | 5.5         | 20               | 27980         | 1630            | 11009         |

**Casing/Cement Program: Additional Comments**

|                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surface - Option to drill surface hole with surface setting rig Option to cement surface casing offline Int 1 - Option to run DV tool and Packer. Int 2 - Option to run DV tool and Packer. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Annular    | 5000             | 3000          | Cameron      |
| Double Ram | 10000            | 5000          | Cameron      |
| Pipe       | 10000            | 5000          | Cameron      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                                  |                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------|--------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. |                                          | <b>OIL CONSERVATION DIVISION</b> |                          |
| Signature:                                                                                                                                                                                                                                                                                                                                                                                                                       |                                          |                                  |                          |
| Printed Name:                                                                                                                                                                                                                                                                                                                                                                                                                    | Electronically filed by Brett A Jennings | Approved By:                     | Jeffrey Harrison         |
| Title:                                                                                                                                                                                                                                                                                                                                                                                                                           | Regulatory Analyst                       | Title:                           | Petroleum Specialist III |
| Email Address:                                                                                                                                                                                                                                                                                                                                                                                                                   | brett.jennings@matadorresources.com      | Approved Date:                   | 10/2/2025                |
| Date:                                                                                                                                                                                                                                                                                                                                                                                                                            | 9/9/2025                                 | Phone:                           | 972-629-2160             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          | Expiration Date: 10/2/2027       |                          |
| Conditions of Approval Attached                                                                                                                                                                                                                                                                                                                                                                                                  |                                          |                                  |                          |

|                                                             |                                                                                                            |  |                      |                                                                                |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|----------------------|--------------------------------------------------------------------------------|
| <b>C-102</b><br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> |  | Revised July 9, 2024 |                                                                                |
|                                                             |                                                                                                            |  | Submittal<br>Type:   | <input checked="" type="checkbox"/> Initial Submittal                          |
|                                                             |                                                                                                            |  |                      | <input type="checkbox"/> Amended Report<br><input type="checkbox"/> As Drilled |

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                                                                                                                        |                                                    |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-025-55310</b>                                                                                                                      | Pool Code<br><b>98234</b>                          | Pool Name<br><b>WC-025 G-09 S263619C;WOLFCAMP</b>                                                                                                      |
| Property Code<br><b>337724</b>                                                                                                                         | Property Name<br><b>JOHN STEWART STATE COM</b>     | Well Number<br><b>220H</b>                                                                                                                             |
| OGRID No.<br><b>228937</b>                                                                                                                             | Operator Name<br><b>MATADOR PRODUCTION COMPANY</b> | Ground Level Elevation<br><b>2905'</b>                                                                                                                 |
| Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |                                                    | Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal |

**Surface Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| O             | 22      | 26-S     | 36-E  | -       | 459' S            | 2030' E           | N 32.0227834 | W 103.2510859 | LEA    |

**Bottom Hole Location**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| C             | 27      | 26-S     | 36-E  | -       | 100' N            | 1980' W           | N 32.0212529 | W 103.2551535 | LEA    |

|                                               |                                            |                                     |                                                                                                               |                               |
|-----------------------------------------------|--------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|
| Dedicated Acres<br><b>467.30</b>              | Infill or Defining Well<br><b>Defining</b> | Defining Well API<br><b>Pending</b> | Overlapping Spacing Unit (Y/N)<br><b>N</b>                                                                    | Consolidated Code<br><b>F</b> |
| Order Numbers <b>Pending (Forced Pooling)</b> |                                            |                                     | Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                               |

**Kick Off Point (KOP)**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| O             | 22      | 26-S     | 36-E  | -       | 400' S            | 1980' E           | N 32.0226211 | W 103.2509246 | LEA    |

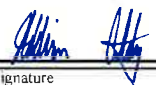
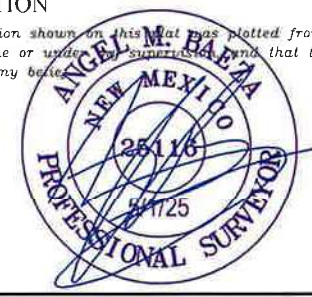
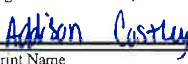
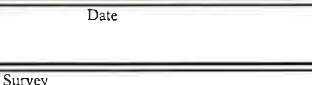
**First Take Point (FTP)**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| B             | 27      | 26-S     | 36-E  | -       | 100' N            | 1980' E           | N 32.0212468 | W 103.2509252 | LEA    |

**Last Take Point (LTP)**

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| C             | 27      | 26-S     | 36-E  | -       | 100' N            | 1980' W           | N 32.0212529 | W 103.2551535 | LEA    |

|                                                         |                                                                                                        |                                        |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|
| Unitized Area or Area of Uniform Interest<br><b>N/A</b> | Spacing Unity Type<br><input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation<br><b>2905'</b> |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                             |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br><br>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.<br><br> |  | <b>SURVEYORS CERTIFICATION</b><br>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.<br><br> |  |
| Signature<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Signature and Seal of Professional Surveyor<br>                                                                                                                                                                                                        |  |
| Print Name<br><b>addison.costley@matadorresources.com</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Date of Survey<br><b>03/29/2025</b>                                                                                                                                                                                                                                                                                                         |  |
| E-mail Address<br><b>addison.costley@matadorresources.com</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Certificate Number                                                                                                                                                                                                                                                                                                                          |  |

C-102

Submit Electronically  
Via OCD PermittingState of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal  
Type:

- ☒ Initial Submittal  
☐ Amended Report  
☐ As Drilled

Property Name and Well Number

JOHN STEWART STATE COM 220H

## SURFACE LOCATION (SHL)

NEW MEXICO EAST  
NAD 1983

X=876747 Y=373707

LAT.: N 32.0227834

LONG.: W 103.2510859

NAD 1927

X=835558 Y=373650

LAT.: N 32.0226553

LONG.: W 103.2506304

459' FSL 2030' FEL

## KICK OFF POINT (KOP)

NEW MEXICO EAST  
NAD 1983

X=876798 Y=373649

LAT.: N 32.0226211

LONG.: W 103.2509246

NAD 1927

X=835609 Y=373591

LAT.: N 32.0224930

LONG.: W 103.2504691

400' FSL 1980' FEL

## FIRST PERF. POINT (FPP)

NEW MEXICO EAST  
NAD 1983

X=876803 Y=373149

LAT.: N 32.0212468

LONG.: W 103.2509252

NAD 1927

X=835614 Y=373091

LAT.: N 32.0211187

LONG.: W 103.2504697

100' FNL 1980' FEL

## DEFLECTION POINT (DP1)

NEW MEXICO EAST  
NAD 1983

X=876867 Y=366295

LAT.: N 32.0024077

LONG.: W 103.2509383

NAD 1927

X=835678 Y=366238

LAT.: N 32.0022795

LONG.: W 103.2504837

760' FSL 1980' FEL

## NON PERF. ZONE (NPZ1)

NEW MEXICO EAST  
NAD 1983

X=876635 Y=365786

LAT.: N 32.0010155

LONG.: W 103.2517042

NAD 1927

X=835446 Y=365729

LAT.: N 32.0008873

LONG.: W 103.2512496

254' FSL 2217' FEL

## U-TURN APEX (APEX)

NEW MEXICO EAST  
NAD 1983

X=876213 Y=365629

LAT.: N 32.0005950

LONG.: W 103.2530687

NAD 1927

X=835024 Y=365572

LAT.: N 32.0004668

LONG.: W 103.2526141

100' FSL 2624' FWL

## NON PERF. ZONE (NPZ2)

NEW MEXICO EAST  
NAD 1983

X=875789 Y=365778

LAT.: N 32.0010172

LONG.: W 103.2544326

NAD 1927

X=834600 Y=365721

LAT.: N 32.0008891

LONG.: W 103.2539779

253' FSL 2202' FWL

## DEFLECTION POINT (DP2)

NEW MEXICO EAST  
NAD 1983

X=875547 Y=366283

LAT.: N 32.0024104

LONG.: W 103.2551961

NAD 1927

X=834358 Y=366226

LAT.: N 32.0022822

LONG.: W 103.2547413

760' FSL 1965' FWL

LAST PERF. POINT (LPP)  
BOTTOM HOLE LOCATION (BHL)NEW MEXICO EAST  
NAD 1983

X=875492 Y=373138

LAT.: N 32.0212529

LONG.: W 103.2551535

NAD 1927

X=834303 Y=373080

LAT.: N 32.0211248

LONG.: W 103.2546979

100' FNL 1980' FWL

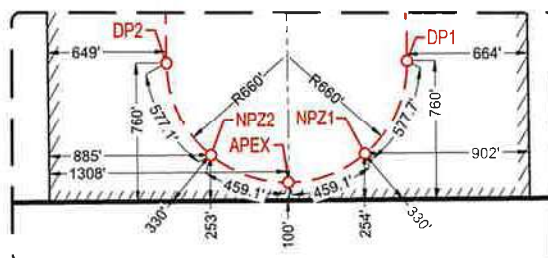
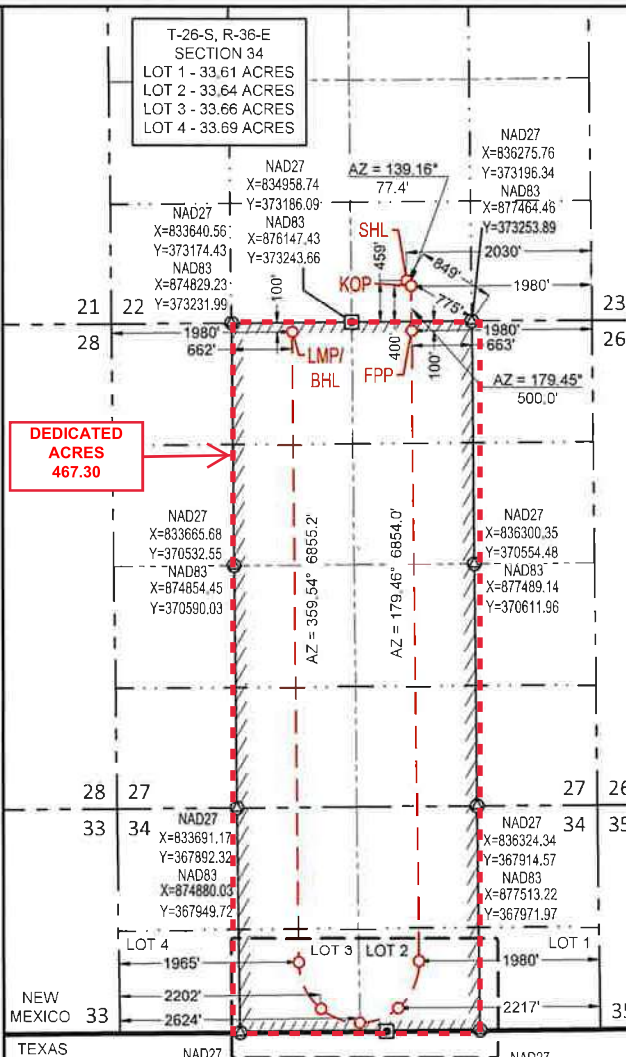
## SURVEYORS CERTIFICATION

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.

03/29/2025

Date of Survey

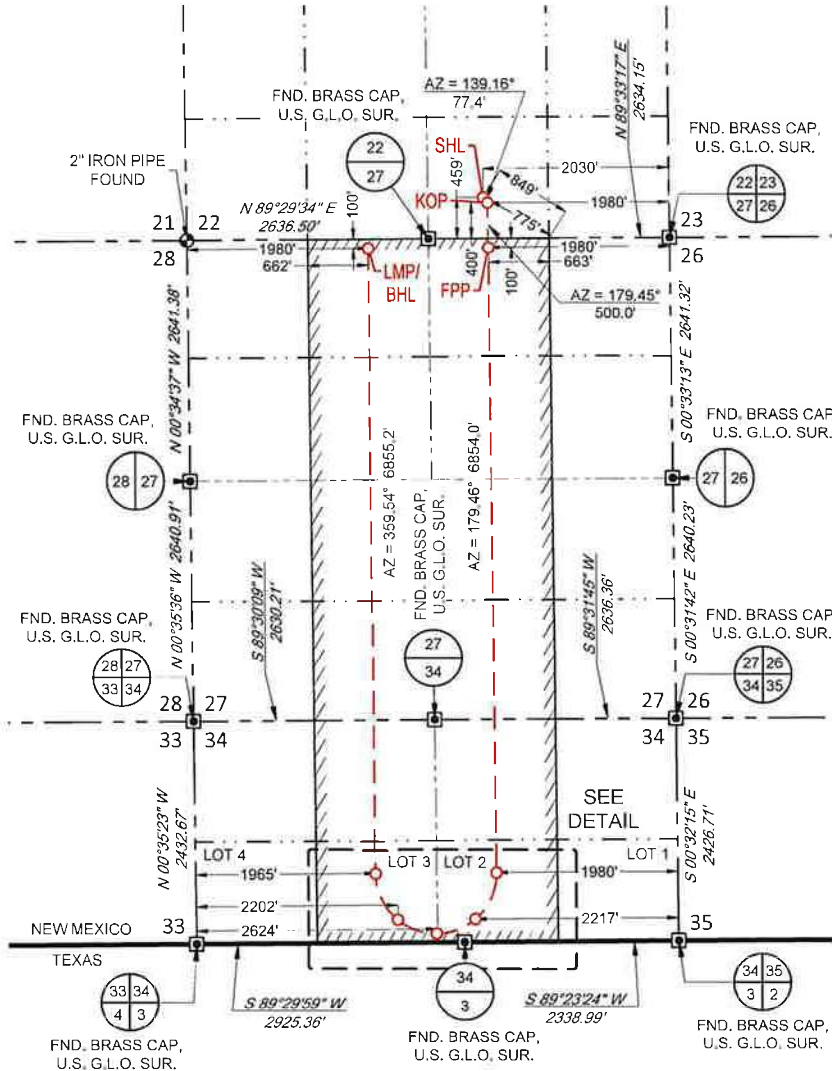
Signature and Seal of Professional Surveyor:





T-26-S, R-36-E  
SECTION 34  
LOT 1 - 33.61 ACRES  
LOT 2 - 33.64 ACRES  
LOT 3 - 33.66 ACRES  
LOT 4 - 33.69 ACRES

SECTION 22, TOWNSHIP 26-S, RANGE 36-E, N.M.P.M.,  
LEA COUNTY, NEW MEXICO



#### SURFACE LOCATION (SHL)

NEW MEXICO EAST  
NAD 1983  
X=876747 Y=373707  
LAT.: N 32.0227834  
LONG.: W 103.2510859  
459' FSL 2030' FEL

#### U-TURN APEX (APEX)

NEW MEXICO EAST  
NAD 1983  
X=876213 Y=365629  
LAT.: N 32.0005950  
LONG.: W 103.2530687  
100' FSL 2624' FWL

#### KICK OFF POINT (KOP)

NEW MEXICO EAST  
NAD 1983  
X=876798 Y=373649  
LAT.: N 32.0226211  
LONG.: W 103.2509246  
400' FSL 1980' FEL

#### NON PERF. ZONE (NPZ2)

NEW MEXICO EAST  
NAD 1983  
X=875789 Y=365778  
LAT.: N 32.0010172  
LONG.: W 103.2544326  
253' FSL 2202' FWL

#### FIRST PERF. POINT (FPP)

NEW MEXICO EAST  
NAD 1983  
X=876803 Y=373149  
LAT.: N 32.0212468  
LONG.: W 103.2509252  
100' FNL 1980' FEL

#### DEFLECTION POINT (DP2)

NEW MEXICO EAST  
NAD 1983  
X=875547 Y=366283  
LAT.: N 32.0024104  
LONG.: W 103.2551961  
760' FSL 1965' FWL

#### DEFLECTION POINT (DP1)

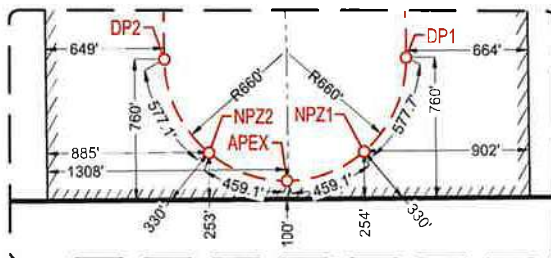
NEW MEXICO EAST  
NAD 1983  
X=876867 Y=366295  
LAT.: N 32.0024077  
LONG.: W 103.2509383  
760' FSL 1980' FEL

#### LAST PERF. POINT (LPP)

**BOTTOM HOLE LOCATION (BHL)**  
NEW MEXICO EAST  
NAD 1983  
X=875492 Y=373138  
LAT.: N 32.0212529  
LONG.: W 103.2551535  
100' FNL 1980' FWL

#### NON PERF. ZONE (NPZ1)

NEW MEXICO EAST  
NAD 1983  
X=876635 Y=365786  
LAT.: N 32.0010155  
LONG.: W 103.2517042  
254' FSL 2217' FEL



DETAIL VIEW  
SCALE: 1" = 1000'



SCALE: 1" = 2000'

0' 1000' 2000'

LEASE NAME & WELL NO.: JOHN STEWART STATE COM 220H

Released to Imaging: 10/2/2025 1:31:30 PM

SECTION 22 TWP 26-S RGE 36-E SURVEY N.M.P.M.

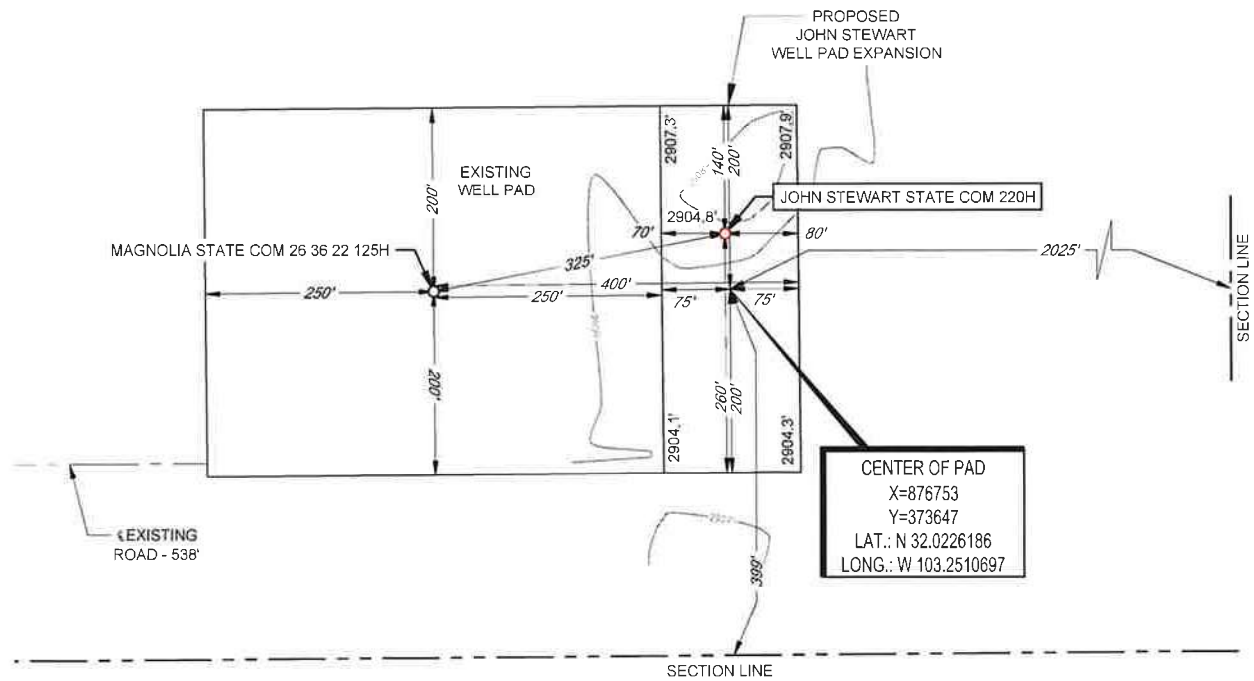




## LEGEND

SECTION LINE  
EXISTING ROAD

SECTION 22, TOWNSHIP 26-S, RANGE 36-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



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

LEASE NAME & WELL NO.: JOHN STEWART STATE COM 220H  
220H LATITUDE N 32.0227834 220H LONGITUDE W 103.2510859

CENTER OF PAD IS 399' FSL & 2025' FEL



SCALE: 1" = 200'  
0' 100' 200'

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD83, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

S:\SURVEY\MATADOR\_RESOURCES\JOHN\_STEWART\_INFRASTRUCTURE\FINAL\_PRODUCTS\JOHN\_STEWART\_STATE\_COM\_220H\_REV2.DWG 5/1/2025 9 29:35 AM mike.waller

Sante Fe Main Office  
Phone: (505) 476-3441

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

Form APD Comments  
  
Permit 394616

PERMIT COMMENTS

|                                                                                                             |                                                                               |                                       |
|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|
| Operator Name and Address:<br>MATADOR PRODUCTION COMPANY [228937]<br>One Lincoln Centre<br>Dallas, TX 75240 |                                                                               | API Number:<br>30-025-55310           |
|                                                                                                             |                                                                               | Well:<br>John Stewart State Com #220H |
| Created By                                                                                                  | Comment                                                                       | Comment Date                          |
| jeffrey.harrison                                                                                            | Please correctly re-orient and upload the PDF of form C-102 upon resubmittal. | 9/8/2025                              |
| jeffrey.harrison                                                                                            | Submitted as defining well for HSU.                                           | 9/30/2025                             |

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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form APD Conditions

Permit 394616

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                             |                                       |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Operator Name and Address:<br>MATADOR PRODUCTION COMPANY [228937]<br>One Lincoln Centre<br>Dallas, TX 75240 | API Number:<br>30-025-55310           |
|                                                                                                             | Well:<br>John Stewart State Com #220H |

| OCD Reviewer     | Condition                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| jeffrey.harrison | No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.                                                                                                      |
| jeffrey.harrison | All logs run on the well must be submitted to NMOCD.                                                                                                                                                                                                                  |
| jeffrey.harrison | Cement is required to circulate on both surface and intermediate1 strings of casing.                                                                                                                                                                                  |
| jeffrey.harrison | If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.                                                                                                                                                            |
| jeffrey.harrison | Notify the OCD 24 hours prior to casing & cement.                                                                                                                                                                                                                     |
| jeffrey.harrison | File As Drilled C-102 and a directional Survey with C-104 completion packet.                                                                                                                                                                                          |
| jeffrey.harrison | A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.                                                                                                                                                                                                |
| jeffrey.harrison | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. |
| jeffrey.harrison | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.                  |
| jeffrey.harrison | This well is within the Capitan Reef aquifer zone. The first intermediate casing string shall be set and cemented back to surface immediately below the Capitan Reef.                                                                                                 |
| jeffrey.harrison | The OCD is currently reviewing the areas containing the Capitan Reef Aquifer and may expand the designated 4-string casing area to encompass additional portions of it in the future.                                                                                 |

**Addendum to Natural Gas Management Plan for Matador's****John Stewart State Com #220H****VI. Separation Equipment**

Flow from the wells will be routed via a flowline to a 72"x15' three phase separator dedicated to the well. The first stage separators are sized with input from BRE ProMax and API 12J. Anticipated production rates can be seen in the below table. Liquid retention times at expected maximum rates will be >3 minutes. Gas will be routed from the first stage separator to sales. Hydrocarbon liquids are dumped from the first stage separator to one or more heater treaters. From the heater treaters, hydrocarbon liquid will be routed to oil storage tanks. Water is dumped from the first stage 3-phase separators and heater treaters to water storage tanks. The flash gas from the heater treater(s) and tanks will be captured by Vapor Recovery Units (VRUs) and routed to sales or to a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized and staged our separation equipment to optimize gas capture, and our separation equipment is of sufficient size to handle the expected volumes of gas.

| Well Name                    | Anticipated Oil<br>BBL/D | Anticipated Gas<br>MCF/D | Anticipated Produced<br>Water BBL/D |
|------------------------------|--------------------------|--------------------------|-------------------------------------|
| JOHN STEWART STATE COM #220H | 1,399                    | 4,330                    | 3,123                               |

**VII. Operation Practices**

Although not a complete recitation of all our efforts to comply with subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During drilling, Matador will have a properly sized flare stack at least 100 feet from the nearest surface hole. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

**VII. Best Management Practices**

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device
- Performing preventative maintenance and minimizing the duration of maintenance activities

- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

| Well Name: John Stewart State Com #220H |                       |         |        |           |        |           |         |               |         |                                                       |
|-----------------------------------------|-----------------------|---------|--------|-----------|--------|-----------|---------|---------------|---------|-------------------------------------------------------|
| STRING                                  | FLUID TYPE            | HOLE SZ | CSG SZ | CSG GRADE | CSG WT | DEPTH SET | TOP CSG | TTL SX CEMENT | EST TOC | ADDITIONAL INFO FOR CSG/CMT PROGRAM (Optional)        |
| SURF                                    | FRESH WTR             | 17.5    | 13.375 | J-55      | 54.50  | 2263      | 0       | 1525          | 0       | Option to drill surface hole with surface setting rig |
| INT 1                                   | Brine                 | 12.25   | 10.75  | HCL-80    | 45.50  | 5760      | 0       | 1109          | 0       | Option to cement surface casing offline               |
| INT 2                                   | Diesel Brine Emulsion | 9.875   | 7.625  | P-110     | 29.70  | 11209     | 0       | 2204          | 0       | Option to run DV tool and Packer.                     |
| PROD                                    | OBM                   | 6.75    | 5.5    | P-110     | 20.00  | 27980     | 0       | 1630          | 11009   | Option to run DV tool and Packer.                     |

# **Matador Production Company**

**Antelope Ridge**

**John Stewart**

**John Stewart State Com #220H**

**Wellbore #1**

**State Plan #1**

## **Anticollision Summary Report**

**27 July, 2025**

## Anticollision Summary Report

|                           |                              |                                     |                                   |
|---------------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Company:</b>           | Matador Production Company   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Project:</b>           | Antelope Ridge               | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Reference Site:</b>    | John Stewart                 | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site Error:</b>        | 0.0 usft                     | <b>North Reference:</b>             | Grid                              |
| <b>Reference Well:</b>    | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Well Error:</b>        | 0.0 usft                     | <b>Output errors are at</b>         | 2.00 sigma                        |
| <b>Reference Wellbore</b> | Wellbore #1                  | <b>Database:</b>                    | EDM 5000.14 Single User Db        |
| <b>Reference Design:</b>  | State Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                      |

|                                     |                                                                     |                       |                     |
|-------------------------------------|---------------------------------------------------------------------|-----------------------|---------------------|
| <b>Reference</b>                    | State Plan #1                                                       |                       |                     |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                       |                     |
| <b>Interpolation Method:</b>        | Stations                                                            | <b>Error Model:</b>   | ISCWSA              |
| <b>Depth Range:</b>                 | Unlimited                                                           | <b>Scan Method:</b>   | Closest Approach 3D |
| <b>Results Limited by:</b>          | Maximum center-center distance of 10,000.0 usft                     | <b>Error Surface:</b> | Pedal Curve         |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma                                                          | <b>Casing Method:</b> | Not applied         |

|                            |                  |                             |                  |                     |
|----------------------------|------------------|-----------------------------|------------------|---------------------|
| <b>Survey Tool Program</b> | <b>Date</b>      | 7/27/2025                   |                  |                     |
| <b>From (usft)</b>         | <b>To (usft)</b> | <b>Survey (Wellbore)</b>    | <b>Tool Name</b> | <b>Description</b>  |
| 0.0                        | 27,980.3         | State Plan #1 (Wellbore #1) | MWD              | OWSG MWD - Standard |

| <b>Summary</b>                                         |                                 |                              |                                 |                                  |                   |         |
|--------------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------|
| Site Name                                              | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| <b>Offset Well - Wellbore - Design</b>                 |                                 |                              |                                 |                                  |                   |         |
| <b>Azalea</b>                                          |                                 |                              |                                 |                                  |                   |         |
| Azalea State Com 26 36 28 #127H - Wellbore #1 - Final  | 20,950.0                        | 19,288.4                     | 2,755.7                         | 2,498.6                          | 10.722            | SF      |
| Azalea State Com 26 36 28 #127H - Wellbore #1 - Final  | 21,090.3                        | 19,199.1                     | 2,740.0                         | 2,485.8                          | 10.781            | CC, ES  |
| <b>Magnolia</b>                                        |                                 |                              |                                 |                                  |                   |         |
| Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin  | 1,623.2                         | 1,625.2                      | 304.1                           | 293.0                            | 27.571            | CC      |
| Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin  | 2,300.0                         | 2,300.4                      | 307.5                           | 291.7                            | 19.413            | ES      |
| Magnolia State Com 25 36 22 #125H - Wellbore #1 - Fin  | 11,700.0                        | 11,801.1                     | 408.8                           | 326.4                            | 4.960             | SF      |
| Magnolia State Com 25 36 22 #125H - Wellbore #1 - Pilo | 1,623.2                         | 1,625.2                      | 304.1                           | 292.9                            | 27.274            | CC      |
| Magnolia State Com 25 36 22 #125H - Wellbore #1 - Pilo | 12,187.1                        | 11,957.2                     | 335.3                           | 249.6                            | 3.912             | ES, SF  |
| <b>Offset Wells in Antelope Ridge</b>                  |                                 |                              |                                 |                                  |                   |         |
| Magnolia State Com 125H - Wellbore #1 - Actual         | 1,623.1                         | 1,625.2                      | 304.0                           | 293.0                            | 27.565            | CC      |
| Magnolia State Com 125H - Wellbore #1 - Actual         | 2,300.0                         | 2,300.4                      | 307.5                           | 291.6                            | 19.408            | ES      |
| Magnolia State Com 125H - Wellbore #1 - Actual         | 11,700.0                        | 11,801.2                     | 408.7                           | 326.3                            | 4.959             | SF      |

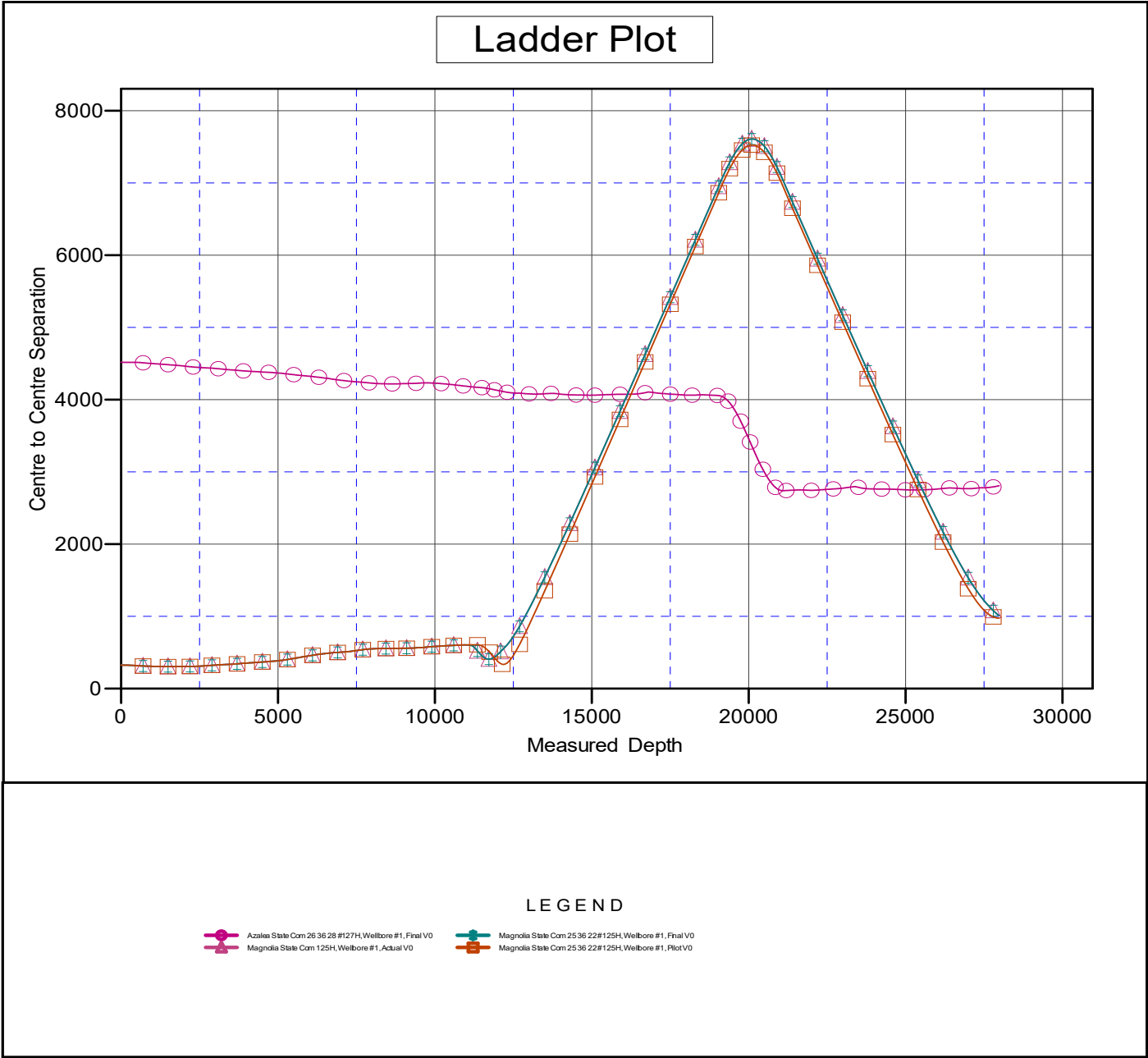
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

|                    |                              |                              |                                   |
|--------------------|------------------------------|------------------------------|-----------------------------------|
| Company:           | Matador Production Company   | Local Co-ordinate Reference: | Well John Stewart State Com #220H |
| Project:           | Antelope Ridge               | TVD Reference:               | KB @ 2933.5usft                   |
| Reference Site:    | John Stewart                 | MD Reference:                | KB @ 2933.5usft                   |
| Site Error:        | 0.0 usft                     | North Reference:             | Grid                              |
| Reference Well:    | John Stewart State Com #220H | Survey Calculation Method:   | Minimum Curvature                 |
| Well Error:        | 0.0 usft                     | Output errors are at         | 2.00 sigma                        |
| Reference Wellbore | Wellbore #1                  | Database:                    | EDM 5000.14 Single User Db        |
| Reference Design:  | State Plan #1                | Offset TVD Reference:        | Offset Datum                      |

Reference Depths are relative to KB @ 2933.5usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: John Stewart State Com #220H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: 0.57°



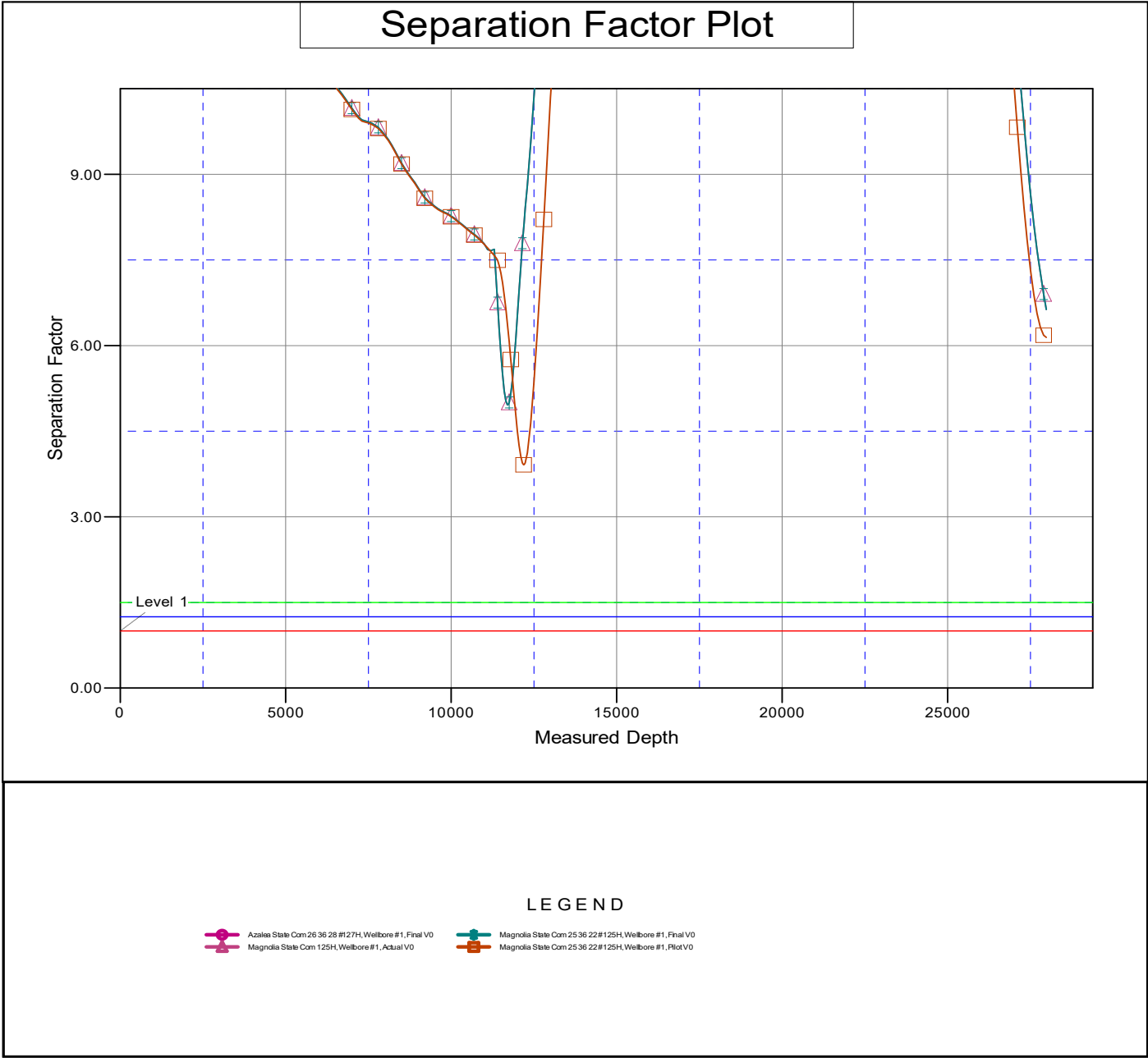
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Summary Report

|                    |                              |                              |                                   |
|--------------------|------------------------------|------------------------------|-----------------------------------|
| Company:           | Matador Production Company   | Local Co-ordinate Reference: | Well John Stewart State Com #220H |
| Project:           | Antelope Ridge               | TVD Reference:               | KB @ 2933.5usft                   |
| Reference Site:    | John Stewart                 | MD Reference:                | KB @ 2933.5usft                   |
| Site Error:        | 0.0 usft                     | North Reference:             | Grid                              |
| Reference Well:    | John Stewart State Com #220H | Survey Calculation Method:   | Minimum Curvature                 |
| Well Error:        | 0.0 usft                     | Output errors are at         | 2.00 sigma                        |
| Reference Wellbore | Wellbore #1                  | Database:                    | EDM 5000.14 Single User Db        |
| Reference Design:  | State Plan #1                | Offset TVD Reference:        | Offset Datum                      |

Reference Depths are relative to KB @ 2933.5usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: John Stewart State Com #220H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: 0.57°



# **Matador Production Company**

**Antelope Ridge**

**John Stewart**

**John Stewart State Com #220H**

**Wellbore #1**

**Plan: State Plan #1**

## **Standard Planning Report**

**27 July, 2025**

Planning Report

|           |                              |                              |                                   |
|-----------|------------------------------|------------------------------|-----------------------------------|
| Database: | EDM 5000.14 Single User Db   | Local Co-ordinate Reference: | Well John Stewart State Com #220H |
| Company:  | Matador Production Company   | TVD Reference:               | KB @ 2933.5usft                   |
| Project:  | Antelope Ridge               | MD Reference:                | KB @ 2933.5usft                   |
| Site:     | John Stewart                 | North Reference:             | Grid                              |
| Well:     | John Stewart State Com #220H | Survey Calculation Method:   | Minimum Curvature                 |
| Wellbore: | Wellbore #1                  |                              |                                   |
| Design:   | State Plan #1                |                              |                                   |

|             |                                      |               |                |
|-------------|--------------------------------------|---------------|----------------|
| Project     | Antelope Ridge                       |               |                |
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Mean Sea Level |
| Geo Datum:  | NAD 1927 (NADCON CONUS)              |               |                |
| Map Zone:   | New Mexico East 3001                 |               |                |

|                       |              |           |                 |            |                   |        |
|-----------------------|--------------|-----------|-----------------|------------|-------------------|--------|
| Site                  | John Stewart |           |                 |            |                   |        |
| Site Position:        |              | Northing: | 373,649.68 usft | Latitude:  | 32° 1' 21.559 N   |        |
| From:                 | Lat/Long     | Easting:  | 835,558.41 usft | Longitude: | 103° 15' 2.269 W  |        |
| Position Uncertainty: |              | 0.0 usft  | Slot Radius:    | 13-3/16 "  | Grid Convergence: | 0.57 ° |

|                      |                              |          |                     |                 |               |                  |
|----------------------|------------------------------|----------|---------------------|-----------------|---------------|------------------|
| Well                 | John Stewart State Com #220H |          |                     |                 |               |                  |
| Well Position        | +N/-S                        | 0.0 usft | Northing:           | 373,649.68 usft | Latitude:     | 32° 1' 21.559 N  |
|                      | +E/-W                        | 0.0 usft | Easting:            | 835,558.41 usft | Longitude:    | 103° 15' 2.269 W |
| Position Uncertainty |                              | 0.0 usft | Wellhead Elevation: |                 | Ground Level: | 2,905.0 usft     |

|           |             |             |                 |               |                     |
|-----------|-------------|-------------|-----------------|---------------|---------------------|
| Wellbore  | Wellbore #1 |             |                 |               |                     |
| Magnetics | Model Name  | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|           | IGRF200510  | 12/31/2009  | 7.59            | 60.11         | 48,710.21631152     |

|                   |                         |              |               |               |
|-------------------|-------------------------|--------------|---------------|---------------|
| Design            | State Plan #1           |              |               |               |
| Audit Notes:      |                         |              |               |               |
| Version:          | Phase:                  | PROTOTYPE    | Tie On Depth: | 0.0           |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft)  | Direction (°) |
|                   | 0.0                     | 0.0          | 0.0           | 179.46        |

|                          |                 |                   |                             |                     |
|--------------------------|-----------------|-------------------|-----------------------------|---------------------|
| Plan Survey Tool Program | Date            | 7/27/2025         |                             |                     |
| Depth From (usft)        | Depth To (usft) | Survey (Wellbore) | Tool Name                   | Remarks             |
| 1                        | 0.0             | 27,980.3          | State Plan #1 (Wellbore #1) | MWD                 |
|                          |                 |                   |                             | OWSG MWD - Standard |

Planning Report

|           |                              |                              |                                   |
|-----------|------------------------------|------------------------------|-----------------------------------|
| Database: | EDM 5000.14 Single User Db   | Local Co-ordinate Reference: | Well John Stewart State Com #220H |
| Company:  | Matador Production Company   | TVD Reference:               | KB @ 2933.5usft                   |
| Project:  | Antelope Ridge               | MD Reference:                | KB @ 2933.5usft                   |
| Site:     | John Stewart                 | North Reference:             | Grid                              |
| Well:     | John Stewart State Com #220H | Survey Calculation Method:   | Minimum Curvature                 |
| Wellbore: | Wellbore #1                  |                              |                                   |
| Design:   | State Plan #1                |                              |                                   |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                      |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target               |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 8,000.0               | 0.00            | 0.00        | 8,000.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 8,100.0               | 2.00            | 139.23      | 8,100.0               | -1.3         | 1.1          | 2.00                    | 2.00                   | 0.00                  | 139.23  |                      |
| 10,203.3              | 2.00            | 139.23      | 10,202.0              | -56.9        | 49.1         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 10,336.7              | 0.00            | 0.00        | 10,335.3              | -58.7        | 50.6         | 1.50                    | -1.50                  | 0.00                  | 180.00  |                      |
| 11,358.8              | 0.00            | 0.00        | 11,357.5              | -58.7        | 50.6         | 0.00                    | 0.00                   | 0.00                  | 0.00    | KOP - John Stewart S |
| 12,233.8              | 87.50           | 179.46      | 11,929.9              | -606.6       | 55.8         | 10.00                   | 10.00                  | 0.00                  | 179.46  |                      |
| 19,045.7              | 87.50           | 179.46      | 12,227.0              | -7,411.7     | 119.9        | 0.00                    | 0.00                   | 0.00                  | 0.00    | DP1 - John Stewart S |
| 19,805.7              | 88.66           | 245.49      | 12,255.7              | -8,017.4     | -265.8       | 8.68                    | 0.15                   | 8.69                  | 90.35   |                      |
| 19,807.1              | 88.66           | 245.49      | 12,255.8              | -8,018.0     | -267.2       | 0.00                    | 0.00                   | 0.00                  | 0.00    |                      |
| 21,120.1              | 92.40           | 359.54      | 12,237.0              | -7,423.7     | -1,200.4     | 8.69                    | 0.28                   | 8.69                  | 87.97   | DP2 - John Stewart S |
| 27,980.3              | 92.40           | 359.54      | 11,950.0              | -569.7       | -1,255.4     | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL - John Stewart S |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0               | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0               | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,100.0               | 0.00            | 0.00        | 2,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,193.0               | 0.00            | 0.00        | 2,193.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| Rustler               |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,200.0               | 0.00            | 0.00        | 2,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0               | 0.00            | 0.00        | 2,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0               | 0.00            | 0.00        | 2,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0               | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 0.00            | 0.00        | 2,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 0.00            | 0.00        | 2,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 0.00            | 0.00        | 2,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 0.00            | 0.00        | 2,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 0.00            | 0.00        | 3,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 0.00            | 0.00        | 3,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 0.00            | 0.00        | 3,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 0.00            | 0.00        | 3,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 0.00            | 0.00        | 3,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 0.00            | 0.00        | 3,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 0.00            | 0.00        | 3,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 0.00            | 0.00        | 3,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 0.00            | 0.00        | 3,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 0.00            | 0.00        | 4,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 0.00            | 0.00        | 4,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 0.00            | 0.00        | 4,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 0.00            | 0.00        | 4,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 0.00            | 0.00        | 4,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 0.00            | 0.00        | 4,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 0.00            | 0.00        | 4,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 0.00            | 0.00        | 4,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 0.00            | 0.00        | 4,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 0.00            | 0.00        | 4,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 0.00            | 0.00        | 5,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 0.00            | 0.00        | 5,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                        |                 |             |                       |              |              |                         |                         |                        |                       |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,200.0                               | 0.00            | 0.00        | 5,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,245.0                               | 0.00            | 0.00        | 5,245.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>G30:CS14-CSB (Lamar/Tansil)</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,300.0                               | 0.00            | 0.00        | 5,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                               | 0.00            | 0.00        | 5,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0                               | 0.00            | 0.00        | 5,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0                               | 0.00            | 0.00        | 5,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0                               | 0.00            | 0.00        | 5,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,709.9                               | 0.00            | 0.00        | 5,709.9               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>G25: Bell Cyn</b>                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,800.0                               | 0.00            | 0.00        | 5,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                               | 0.00            | 0.00        | 5,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                               | 0.00            | 0.00        | 6,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                               | 0.00            | 0.00        | 6,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                               | 0.00            | 0.00        | 6,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                               | 0.00            | 0.00        | 6,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                               | 0.00            | 0.00        | 6,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0                               | 0.00            | 0.00        | 6,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                               | 0.00            | 0.00        | 6,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                               | 0.00            | 0.00        | 6,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                               | 0.00            | 0.00        | 6,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                               | 0.00            | 0.00        | 6,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                               | 0.00            | 0.00        | 7,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                               | 0.00            | 0.00        | 7,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0                               | 0.00            | 0.00        | 7,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0                               | 0.00            | 0.00        | 7,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0                               | 0.00            | 0.00        | 7,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,425.6                               | 0.00            | 0.00        | 7,425.6               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>G5: L. Brushy Cyn.</b>             |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,500.0                               | 0.00            | 0.00        | 7,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0                               | 0.00            | 0.00        | 7,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,695.3                               | 0.00            | 0.00        | 7,695.3               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>G4: BSGL (CS9)</b>                 |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,700.0                               | 0.00            | 0.00        | 7,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0                               | 0.00            | 0.00        | 7,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                               | 0.00            | 0.00        | 7,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                               | 0.00            | 0.00        | 8,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 2.00</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,100.0                               | 2.00            | 139.23      | 8,100.0               | -1.3         | 1.1          | 1.3                     | 2.00                    | 2.00                   | 0.00                  |
| <b>Start 2103.3 hold at 8100.0 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,200.0                               | 2.00            | 139.23      | 8,199.9               | -4.0         | 3.4          | 4.0                     | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0                               | 2.00            | 139.23      | 8,299.9               | -6.6         | 5.7          | 6.7                     | 0.00                    | 0.00                   | 0.00                  |
| 8,351.6                               | 2.00            | 139.23      | 8,351.5               | -8.0         | 6.9          | 8.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>L6.3: Avalon Carb</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,400.0                               | 2.00            | 139.23      | 8,399.8               | -9.3         | 8.0          | 9.3                     | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0                               | 2.00            | 139.23      | 8,499.7               | -11.9        | 10.3         | 12.0                    | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0                               | 2.00            | 139.23      | 8,599.7               | -14.5        | 12.5         | 14.7                    | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0                               | 2.00            | 139.23      | 8,699.6               | -17.2        | 14.8         | 17.3                    | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0                               | 2.00            | 139.23      | 8,799.6               | -19.8        | 17.1         | 20.0                    | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0                               | 2.00            | 139.23      | 8,899.5               | -22.5        | 19.4         | 22.6                    | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0                               | 2.00            | 139.23      | 8,999.4               | -25.1        | 21.6         | 25.3                    | 0.00                    | 0.00                   | 0.00                  |
| 9,100.0                               | 2.00            | 139.23      | 9,099.4               | -27.8        | 23.9         | 28.0                    | 0.00                    | 0.00                   | 0.00                  |
| 9,200.0                               | 2.00            | 139.23      | 9,199.3               | -30.4        | 26.2         | 30.6                    | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                                         |                    |                |                             |                 |                 |                               |                               |                              |                             |
|--------------------------------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured<br>Depth<br>(usft)                            | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Vertical<br>Section<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) |
| 9,300.0                                                | 2.00               | 139.23         | 9,299.2                     | -33.0           | 28.5            | 33.3                          | 0.00                          | 0.00                         | 0.00                        |
| 9,364.3                                                | 2.00               | 139.23         | 9,363.5                     | -34.7           | 30.0            | 35.0                          | 0.00                          | 0.00                         | 0.00                        |
| L5.1: FBSG                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 9,400.0                                                | 2.00               | 139.23         | 9,399.2                     | -35.7           | 30.8            | 36.0                          | 0.00                          | 0.00                         | 0.00                        |
| 9,430.4                                                | 2.00               | 139.23         | 9,429.6                     | -36.5           | 31.5            | 36.8                          | 0.00                          | 0.00                         | 0.00                        |
| M. FBSG                                                |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 9,431.5                                                | 2.00               | 139.23         | 9,430.7                     | -36.5           | 31.5            | 36.8                          | 0.00                          | 0.00                         | 0.00                        |
| L4.3: SBSC                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 9,500.0                                                | 2.00               | 139.23         | 9,499.1                     | -38.3           | 33.0            | 38.6                          | 0.00                          | 0.00                         | 0.00                        |
| 9,600.0                                                | 2.00               | 139.23         | 9,599.1                     | -41.0           | 35.3            | 41.3                          | 0.00                          | 0.00                         | 0.00                        |
| 9,700.0                                                | 2.00               | 139.23         | 9,699.0                     | -43.6           | 37.6            | 44.0                          | 0.00                          | 0.00                         | 0.00                        |
| 9,800.0                                                | 2.00               | 139.23         | 9,798.9                     | -46.3           | 39.9            | 46.6                          | 0.00                          | 0.00                         | 0.00                        |
| 9,889.3                                                | 2.00               | 139.23         | 9,888.2                     | -48.6           | 41.9            | 49.0                          | 0.00                          | 0.00                         | 0.00                        |
| L4.1: SBSG                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 9,900.0                                                | 2.00               | 139.23         | 9,898.9                     | -48.9           | 42.2            | 49.3                          | 0.00                          | 0.00                         | 0.00                        |
| 9,946.8                                                | 2.00               | 139.23         | 9,945.7                     | -50.1           | 43.2            | 50.5                          | 0.00                          | 0.00                         | 0.00                        |
| L4.1: SBSG B Carb                                      |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 10,000.0                                               | 2.00               | 139.23         | 9,998.8                     | -51.5           | 44.4            | 52.0                          | 0.00                          | 0.00                         | 0.00                        |
| 10,075.2                                               | 2.00               | 139.23         | 10,074.0                    | -53.5           | 46.2            | 54.0                          | 0.00                          | 0.00                         | 0.00                        |
| L3.3: TBSC                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 10,100.0                                               | 2.00               | 139.23         | 10,098.8                    | -54.2           | 46.7            | 54.6                          | 0.00                          | 0.00                         | 0.00                        |
| 10,200.0                                               | 2.00               | 139.23         | 10,198.7                    | -56.8           | 49.0            | 57.3                          | 0.00                          | 0.00                         | 0.00                        |
| 10,203.3                                               | 2.00               | 139.23         | 10,202.0                    | -56.9           | 49.1            | 57.4                          | 0.00                          | 0.00                         | 0.00                        |
| Start Drop -1.50                                       |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 10,300.0                                               | 0.55               | 139.23         | 10,298.7                    | -58.5           | 50.5            | 59.0                          | 1.50                          | -1.50                        | 0.00                        |
| 10,336.7                                               | 0.00               | 0.00           | 10,335.3                    | -58.7           | 50.6            | 59.2                          | 1.50                          | -1.50                        | 0.00                        |
| Start 1022.2 hold at 10336.7 MD                        |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 10,400.0                                               | 0.00               | 0.00           | 10,398.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 10,500.0                                               | 0.00               | 0.00           | 10,498.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 10,600.0                                               | 0.00               | 0.00           | 10,598.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 10,700.0                                               | 0.00               | 0.00           | 10,698.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 10,800.0                                               | 0.00               | 0.00           | 10,798.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 10,900.0                                               | 0.00               | 0.00           | 10,898.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 11,000.0                                               | 0.00               | 0.00           | 10,998.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 11,100.0                                               | 0.00               | 0.00           | 11,098.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 11,200.0                                               | 0.00               | 0.00           | 11,198.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 11,296.0                                               | 0.00               | 0.00           | 11,294.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| L3.1: TBSC                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 11,300.0                                               | 0.00               | 0.00           | 11,298.7                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| 11,358.8                                               | 0.00               | 0.00           | 11,357.5                    | -58.7           | 50.6            | 59.2                          | 0.00                          | 0.00                         | 0.00                        |
| Start Build 10.00 - KOP - John Stewart State Com #220H |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 11,400.0                                               | 4.12               | 179.46         | 11,398.6                    | -60.2           | 50.6            | 60.6                          | 10.00                         | 10.00                        | 0.00                        |
| 11,477.3                                               | 11.85              | 179.46         | 11,475.2                    | -70.9           | 50.7            | 71.4                          | 10.00                         | 10.00                        | 0.00                        |
| L2: WFMP A                                             |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 11,500.0                                               | 14.12              | 179.46         | 11,497.2                    | -76.0           | 50.8            | 76.5                          | 10.00                         | 10.00                        | 0.00                        |
| 11,595.7                                               | 23.69              | 179.46         | 11,587.7                    | -107.0          | 51.0            | 107.4                         | 10.00                         | 10.00                        | 0.00                        |
| L1: WFMP A Fat                                         |                    |                |                             |                 |                 |                               |                               |                              |                             |
| 11,600.0                                               | 24.12              | 179.46         | 11,591.6                    | -108.7          | 51.1            | 109.2                         | 10.00                         | 10.00                        | 0.00                        |
| 11,700.0                                               | 34.12              | 179.46         | 11,678.9                    | -157.3          | 51.5            | 157.8                         | 10.00                         | 10.00                        | 0.00                        |
| 11,800.0                                               | 44.12              | 179.46         | 11,756.4                    | -220.3          | 52.1            | 220.8                         | 10.00                         | 10.00                        | 0.00                        |
| 11,900.0                                               | 54.12              | 179.46         | 11,821.7                    | -295.8          | 52.8            | 296.3                         | 10.00                         | 10.00                        | 0.00                        |
| 11,995.8                                               | 63.70              | 179.46         | 11,871.1                    | -377.8          | 53.6            | 378.2                         | 10.00                         | 10.00                        | 0.00                        |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                            |                 |             |                       |              |              |                         |                         |                        |                       |
|-------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                     | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| <b>WFMP B</b>                             |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,000.0                                  | 64.12           | 179.46      | 11,873.0              | -381.5       | 53.6         | 382.0                   | 10.00                   | 10.00                  | 0.00                  |
| 12,100.0                                  | 74.12           | 179.46      | 11,908.6              | -474.8       | 54.5         | 475.3                   | 10.00                   | 10.00                  | 0.00                  |
| 12,186.0                                  | 82.72           | 179.46      | 11,925.8              | -559.0       | 55.3         | 559.5                   | 10.00                   | 10.00                  | 0.00                  |
| <b>FPP - John Stewart State Com #220H</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,200.0                                  | 84.12           | 179.46      | 11,927.4              | -572.9       | 55.4         | 573.4                   | 10.00                   | 10.00                  | 0.00                  |
| 12,233.8                                  | 87.50           | 179.46      | 11,929.9              | -606.6       | 55.8         | 607.1                   | 10.00                   | 10.00                  | 0.00                  |
| <b>Start 6811.8 hold at 12233.8 MD</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,300.0                                  | 87.50           | 179.46      | 11,932.8              | -672.7       | 56.4         | 673.2                   | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0                                  | 87.50           | 179.46      | 11,937.2              | -772.6       | 57.3         | 773.1                   | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0                                  | 87.50           | 179.46      | 11,941.5              | -872.5       | 58.3         | 873.0                   | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0                                  | 87.50           | 179.46      | 11,945.9              | -972.4       | 59.2         | 972.9                   | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0                                  | 87.50           | 179.46      | 11,950.2              | -1,072.3     | 60.1         | 1,072.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0                                  | 87.50           | 179.46      | 11,954.6              | -1,172.2     | 61.1         | 1,172.8                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0                                  | 87.50           | 179.46      | 11,959.0              | -1,272.1     | 62.0         | 1,272.7                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0                                  | 87.50           | 179.46      | 11,963.3              | -1,372.0     | 63.0         | 1,372.6                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0                                  | 87.50           | 179.46      | 11,967.7              | -1,471.9     | 63.9         | 1,472.5                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0                                  | 87.50           | 179.46      | 11,972.1              | -1,571.8     | 64.9         | 1,572.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0                                  | 87.50           | 179.46      | 11,976.4              | -1,671.7     | 65.8         | 1,672.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0                                  | 87.50           | 179.46      | 11,980.8              | -1,771.6     | 66.7         | 1,772.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0                                  | 87.50           | 179.46      | 11,985.1              | -1,871.5     | 67.7         | 1,872.1                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0                                  | 87.50           | 179.46      | 11,989.5              | -1,971.4     | 68.6         | 1,972.0                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0                                  | 87.50           | 179.46      | 11,993.9              | -2,071.3     | 69.6         | 2,071.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0                                  | 87.50           | 179.46      | 11,998.2              | -2,171.2     | 70.5         | 2,171.8                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0                                  | 87.50           | 179.46      | 12,002.6              | -2,271.1     | 71.4         | 2,271.7                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0                                  | 87.50           | 179.46      | 12,007.0              | -2,371.0     | 72.4         | 2,371.6                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0                                  | 87.50           | 179.46      | 12,011.3              | -2,470.9     | 73.3         | 2,471.5                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0                                  | 87.50           | 179.46      | 12,015.7              | -2,570.8     | 74.3         | 2,571.4                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0                                  | 87.50           | 179.46      | 12,020.0              | -2,670.7     | 75.2         | 2,671.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0                                  | 87.50           | 179.46      | 12,024.4              | -2,770.6     | 76.2         | 2,771.2                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0                                  | 87.50           | 179.46      | 12,028.8              | -2,870.5     | 77.1         | 2,871.1                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0                                  | 87.50           | 179.46      | 12,033.1              | -2,970.4     | 78.0         | 2,971.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0                                  | 87.50           | 179.46      | 12,037.5              | -3,070.3     | 79.0         | 3,070.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0                                  | 87.50           | 179.46      | 12,041.8              | -3,170.2     | 79.9         | 3,170.8                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0                                  | 87.50           | 179.46      | 12,046.2              | -3,270.1     | 80.9         | 3,270.8                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0                                  | 87.50           | 179.46      | 12,050.6              | -3,370.0     | 81.8         | 3,370.7                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0                                  | 87.50           | 179.46      | 12,054.9              | -3,469.9     | 82.7         | 3,470.6                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0                                  | 87.50           | 179.46      | 12,059.3              | -3,569.8     | 83.7         | 3,570.5                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0                                  | 87.50           | 179.46      | 12,063.7              | -3,669.7     | 84.6         | 3,670.4                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0                                  | 87.50           | 179.46      | 12,068.0              | -3,769.6     | 85.6         | 3,770.3                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0                                  | 87.50           | 179.46      | 12,072.4              | -3,869.5     | 86.5         | 3,870.2                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0                                  | 87.50           | 179.46      | 12,076.7              | -3,969.4     | 87.5         | 3,970.1                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0                                  | 87.50           | 179.46      | 12,081.1              | -4,069.3     | 88.4         | 4,070.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0                                  | 87.50           | 179.46      | 12,085.5              | -4,169.2     | 89.3         | 4,169.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0                                  | 87.50           | 179.46      | 12,089.8              | -4,269.1     | 90.3         | 4,269.8                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0                                  | 87.50           | 179.46      | 12,094.2              | -4,369.0     | 91.2         | 4,369.7                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0                                  | 87.50           | 179.46      | 12,098.6              | -4,468.9     | 92.2         | 4,469.6                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0                                  | 87.50           | 179.46      | 12,102.9              | -4,568.8     | 93.1         | 4,569.5                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0                                  | 87.50           | 179.46      | 12,107.3              | -4,668.7     | 94.0         | 4,669.4                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0                                  | 87.50           | 179.46      | 12,111.6              | -4,768.6     | 95.0         | 4,769.3                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0                                  | 87.50           | 179.46      | 12,116.0              | -4,868.5     | 95.9         | 4,869.2                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0                                  | 87.50           | 179.46      | 12,120.4              | -4,968.4     | 96.9         | 4,969.1                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0                                  | 87.50           | 179.46      | 12,124.7              | -5,068.3     | 97.8         | 5,069.0                 | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                                                       |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 16,800.0                                                             | 87.50           | 179.46      | 12,129.1              | -5,168.2     | 98.8         | 5,168.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0                                                             | 87.50           | 179.46      | 12,133.4              | -5,268.1     | 99.7         | 5,268.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0                                                             | 87.50           | 179.46      | 12,137.8              | -5,368.0     | 100.6        | 5,368.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0                                                             | 87.50           | 179.46      | 12,142.2              | -5,467.9     | 101.6        | 5,468.7                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0                                                             | 87.50           | 179.46      | 12,146.5              | -5,567.8     | 102.5        | 5,568.6                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0                                                             | 87.50           | 179.46      | 12,150.9              | -5,667.7     | 103.5        | 5,668.5                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0                                                             | 87.50           | 179.46      | 12,155.3              | -5,767.6     | 104.4        | 5,768.4                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0                                                             | 87.50           | 179.46      | 12,159.6              | -5,867.5     | 105.3        | 5,868.3                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0                                                             | 87.50           | 179.46      | 12,164.0              | -5,967.4     | 106.3        | 5,968.2                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0                                                             | 87.50           | 179.46      | 12,168.3              | -6,067.3     | 107.2        | 6,068.1                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0                                                             | 87.50           | 179.46      | 12,172.7              | -6,167.2     | 108.2        | 6,168.0                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0                                                             | 87.50           | 179.46      | 12,177.1              | -6,267.1     | 109.1        | 6,267.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0                                                             | 87.50           | 179.46      | 12,181.4              | -6,367.0     | 110.0        | 6,367.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0                                                             | 87.50           | 179.46      | 12,185.8              | -6,466.9     | 111.0        | 6,467.7                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0                                                             | 87.50           | 179.46      | 12,190.2              | -6,566.8     | 111.9        | 6,567.6                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0                                                             | 87.50           | 179.46      | 12,194.5              | -6,666.7     | 112.9        | 6,667.5                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0                                                             | 87.50           | 179.46      | 12,198.9              | -6,766.6     | 113.8        | 6,767.4                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0                                                             | 87.50           | 179.46      | 12,203.2              | -6,866.5     | 114.8        | 6,867.3                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0                                                             | 87.50           | 179.46      | 12,207.6              | -6,966.4     | 115.7        | 6,967.2                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0                                                             | 87.50           | 179.46      | 12,212.0              | -7,066.3     | 116.6        | 7,067.1                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0                                                             | 87.50           | 179.46      | 12,216.3              | -7,166.3     | 117.6        | 7,167.0                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0                                                             | 87.50           | 179.46      | 12,220.7              | -7,266.2     | 118.5        | 7,266.9                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0                                                             | 87.50           | 179.46      | 12,225.0              | -7,366.1     | 119.5        | 7,366.8                 | 0.00                    | 0.00                   | 0.00                  |
| 19,045.7                                                             | 87.50           | 179.46      | 12,227.0              | -7,411.7     | 119.9        | 7,412.5                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 8.68 TFO 90.35 - DP1 - John Stewart State Com #220H</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,100.0                                                             | 87.48           | 184.18      | 12,229.4              | -7,465.9     | 118.2        | 7,466.7                 | 8.69                    | -0.04                  | 8.69                  |
| 19,200.0                                                             | 87.49           | 192.88      | 12,233.8              | -7,564.6     | 103.4        | 7,565.3                 | 8.68                    | 0.01                   | 8.69                  |
| 19,300.0                                                             | 87.55           | 201.57      | 12,238.2              | -7,659.9     | 73.8         | 7,660.3                 | 8.68                    | 0.06                   | 8.69                  |
| 19,400.0                                                             | 87.67           | 210.26      | 12,242.3              | -7,749.7     | 30.2         | 7,749.7                 | 8.68                    | 0.12                   | 8.69                  |
| 19,500.0                                                             | 87.85           | 218.95      | 12,246.3              | -7,831.9     | -26.5        | 7,831.3                 | 8.68                    | 0.17                   | 8.69                  |
| 19,600.0                                                             | 88.07           | 227.63      | 12,249.8              | -7,904.6     | -95.0        | 7,903.3                 | 8.68                    | 0.22                   | 8.69                  |
| 19,624.9                                                             | 88.13           | 229.80      | 12,250.7              | -7,921.0     | -113.7       | 7,919.6                 | 8.68                    | 0.25                   | 8.69                  |
| <b>NPZ1 - John Stewart State Com #220H</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,700.0                                                             | 88.34           | 236.32      | 12,253.0              | -7,966.1     | -173.6       | 7,964.1                 | 8.68                    | 0.27                   | 8.68                  |
| 19,800.0                                                             | 88.64           | 245.00      | 12,255.6              | -8,015.0     | -260.7       | 8,012.2                 | 8.68                    | 0.31                   | 8.68                  |
| 19,805.7                                                             | 88.66           | 245.49      | 12,255.7              | -8,017.4     | -265.8       | 8,014.5                 | 8.68                    | 0.32                   | 8.68                  |
| <b>Start 1.5 hold at 19805.7 MD</b>                                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,807.1                                                             | 88.66           | 245.49      | 12,255.8              | -8,018.0     | -267.2       | 8,015.1                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 8.69 TFO 87.97</b>                                      |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,900.0                                                             | 88.96           | 253.56      | 12,257.7              | -8,050.4     | -354.1       | 8,046.7                 | 8.69                    | 0.32                   | 8.68                  |
| 20,000.0                                                             | 89.30           | 262.24      | 12,259.2              | -8,071.4     | -451.7       | 8,066.8                 | 8.69                    | 0.34                   | 8.68                  |
| 20,082.6                                                             | 89.60           | 269.41      | 12,260.0              | -8,077.4     | -534.0       | 8,072.0                 | 8.69                    | 0.36                   | 8.68                  |
| <b>Apex - John Stewart State Com #220H</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,100.0                                                             | 89.66           | 270.92      | 12,260.1              | -8,077.3     | -551.5       | 8,071.8                 | 8.69                    | 0.36                   | 8.68                  |
| 20,200.0                                                             | 90.03           | 279.60      | 12,260.4              | -8,068.2     | -650.9       | 8,061.7                 | 8.69                    | 0.37                   | 8.68                  |
| 20,300.0                                                             | 90.40           | 288.28      | 12,260.0              | -8,044.1     | -747.9       | 8,036.7                 | 8.69                    | 0.37                   | 8.68                  |
| 20,400.0                                                             | 90.75           | 296.97      | 12,259.0              | -8,005.7     | -840.1       | 7,997.4                 | 8.69                    | 0.36                   | 8.68                  |
| 20,500.0                                                             | 91.09           | 305.65      | 12,257.4              | -7,953.8     | -925.5       | 7,944.7                 | 8.69                    | 0.34                   | 8.68                  |
| 20,540.8                                                             | 91.23           | 309.19      | 12,256.6              | -7,929.0     | -957.8       | 7,919.6                 | 8.69                    | 0.32                   | 8.68                  |
| <b>NPZ2 - John Stewart State Com #220H</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,600.0                                                             | 91.41           | 314.33      | 12,255.2              | -7,889.6     | -1,002.0     | 7,879.8                 | 8.69                    | 0.31                   | 8.69                  |
| 20,700.0                                                             | 91.69           | 323.02      | 12,252.5              | -7,814.6     | -1,067.9     | 7,804.2                 | 8.69                    | 0.28                   | 8.69                  |
| 20,800.0                                                             | 91.94           | 331.71      | 12,249.3              | -7,730.5     | -1,121.8     | 7,719.6                 | 8.69                    | 0.24                   | 8.69                  |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                                                       |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 20,900.0                                                             | 92.14           | 340.40      | 12,245.8              | -7,639.2     | -1,162.3     | 7,627.9                 | 8.69                    | 0.20                   | 8.69                  |
| 21,000.0                                                             | 92.29           | 349.10      | 12,241.9              | -7,542.9     | -1,188.5     | 7,531.4                 | 8.69                    | 0.15                   | 8.69                  |
| 21,100.0                                                             | 92.38           | 357.79      | 12,237.8              | -7,443.7     | -1,199.9     | 7,432.1                 | 8.69                    | 0.10                   | 8.70                  |
| 21,120.1                                                             | 92.40           | 359.54      | 12,237.0              | -7,423.7     | -1,200.4     | 7,412.0                 | 8.69                    | 0.07                   | 8.70                  |
| Start 6860.2 hold at 21120.1 MD - DP2 - John Stewart State Com #220H |                 |             |                       |              |              |                         |                         |                        |                       |
| 21,200.0                                                             | 92.40           | 359.54      | 12,233.7              | -7,343.8     | -1,201.0     | 7,332.2                 | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0                                                             | 92.40           | 359.54      | 12,229.5              | -7,243.9     | -1,201.9     | 7,232.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0                                                             | 92.40           | 359.54      | 12,225.3              | -7,144.0     | -1,202.7     | 7,132.4                 | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0                                                             | 92.40           | 359.54      | 12,221.1              | -7,044.1     | -1,203.5     | 7,032.5                 | 0.00                    | 0.00                   | 0.00                  |
| 21,600.0                                                             | 92.40           | 359.54      | 12,216.9              | -6,944.2     | -1,204.3     | 6,932.5                 | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0                                                             | 92.40           | 359.54      | 12,212.7              | -6,844.3     | -1,205.1     | 6,832.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0                                                             | 92.40           | 359.54      | 12,208.6              | -6,744.4     | -1,205.9     | 6,732.7                 | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0                                                             | 92.40           | 359.54      | 12,204.4              | -6,644.5     | -1,206.7     | 6,632.8                 | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0                                                             | 92.40           | 359.54      | 12,200.2              | -6,544.6     | -1,207.5     | 6,532.9                 | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0                                                             | 92.40           | 359.54      | 12,196.0              | -6,444.7     | -1,208.3     | 6,433.0                 | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0                                                             | 92.40           | 359.54      | 12,191.8              | -6,344.7     | -1,209.1     | 6,333.1                 | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0                                                             | 92.40           | 359.54      | 12,187.6              | -6,244.8     | -1,209.9     | 6,233.2                 | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0                                                             | 92.40           | 359.54      | 12,183.5              | -6,144.9     | -1,210.7     | 6,133.2                 | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0                                                             | 92.40           | 359.54      | 12,179.3              | -6,045.0     | -1,211.5     | 6,033.3                 | 0.00                    | 0.00                   | 0.00                  |
| 22,600.0                                                             | 92.40           | 359.54      | 12,175.1              | -5,945.1     | -1,212.3     | 5,933.4                 | 0.00                    | 0.00                   | 0.00                  |
| 22,700.0                                                             | 92.40           | 359.54      | 12,170.9              | -5,845.2     | -1,213.1     | 5,833.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,800.0                                                             | 92.40           | 359.54      | 12,166.7              | -5,745.3     | -1,213.9     | 5,733.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,900.0                                                             | 92.40           | 359.54      | 12,162.5              | -5,645.4     | -1,214.7     | 5,633.7                 | 0.00                    | 0.00                   | 0.00                  |
| 23,000.0                                                             | 92.40           | 359.54      | 12,158.4              | -5,545.5     | -1,215.5     | 5,533.8                 | 0.00                    | 0.00                   | 0.00                  |
| 23,100.0                                                             | 92.40           | 359.54      | 12,154.2              | -5,445.6     | -1,216.3     | 5,433.9                 | 0.00                    | 0.00                   | 0.00                  |
| 23,200.0                                                             | 92.40           | 359.54      | 12,150.0              | -5,345.7     | -1,217.1     | 5,333.9                 | 0.00                    | 0.00                   | 0.00                  |
| 23,300.0                                                             | 92.40           | 359.54      | 12,145.8              | -5,245.7     | -1,217.9     | 5,234.0                 | 0.00                    | 0.00                   | 0.00                  |
| 23,400.0                                                             | 92.40           | 359.54      | 12,141.6              | -5,145.8     | -1,218.7     | 5,134.1                 | 0.00                    | 0.00                   | 0.00                  |
| 23,500.0                                                             | 92.40           | 359.54      | 12,137.4              | -5,045.9     | -1,219.5     | 5,034.2                 | 0.00                    | 0.00                   | 0.00                  |
| 23,600.0                                                             | 92.40           | 359.54      | 12,133.3              | -4,946.0     | -1,220.3     | 4,934.3                 | 0.00                    | 0.00                   | 0.00                  |
| 23,700.0                                                             | 92.40           | 359.54      | 12,129.1              | -4,846.1     | -1,221.1     | 4,834.4                 | 0.00                    | 0.00                   | 0.00                  |
| 23,800.0                                                             | 92.40           | 359.54      | 12,124.9              | -4,746.2     | -1,221.9     | 4,734.5                 | 0.00                    | 0.00                   | 0.00                  |
| 23,900.0                                                             | 92.40           | 359.54      | 12,120.7              | -4,646.3     | -1,222.7     | 4,634.6                 | 0.00                    | 0.00                   | 0.00                  |
| 24,000.0                                                             | 92.40           | 359.54      | 12,116.5              | -4,546.4     | -1,223.5     | 4,534.6                 | 0.00                    | 0.00                   | 0.00                  |
| 24,100.0                                                             | 92.40           | 359.54      | 12,112.3              | -4,446.5     | -1,224.3     | 4,434.7                 | 0.00                    | 0.00                   | 0.00                  |
| 24,200.0                                                             | 92.40           | 359.54      | 12,108.2              | -4,346.6     | -1,225.1     | 4,334.8                 | 0.00                    | 0.00                   | 0.00                  |
| 24,300.0                                                             | 92.40           | 359.54      | 12,104.0              | -4,246.7     | -1,225.9     | 4,234.9                 | 0.00                    | 0.00                   | 0.00                  |
| 24,400.0                                                             | 92.40           | 359.54      | 12,099.8              | -4,146.7     | -1,226.7     | 4,135.0                 | 0.00                    | 0.00                   | 0.00                  |
| 24,500.0                                                             | 92.40           | 359.54      | 12,095.6              | -4,046.8     | -1,227.5     | 4,035.1                 | 0.00                    | 0.00                   | 0.00                  |
| 24,600.0                                                             | 92.40           | 359.54      | 12,091.4              | -3,946.9     | -1,228.3     | 3,935.2                 | 0.00                    | 0.00                   | 0.00                  |
| 24,700.0                                                             | 92.40           | 359.54      | 12,087.2              | -3,847.0     | -1,229.1     | 3,835.3                 | 0.00                    | 0.00                   | 0.00                  |
| 24,800.0                                                             | 92.40           | 359.54      | 12,083.0              | -3,747.1     | -1,229.9     | 3,735.4                 | 0.00                    | 0.00                   | 0.00                  |
| 24,900.0                                                             | 92.40           | 359.54      | 12,078.9              | -3,647.2     | -1,230.7     | 3,635.4                 | 0.00                    | 0.00                   | 0.00                  |
| 25,000.0                                                             | 92.40           | 359.54      | 12,074.7              | -3,547.3     | -1,231.5     | 3,535.5                 | 0.00                    | 0.00                   | 0.00                  |
| 25,100.0                                                             | 92.40           | 359.54      | 12,070.5              | -3,447.4     | -1,232.3     | 3,435.6                 | 0.00                    | 0.00                   | 0.00                  |
| 25,200.0                                                             | 92.40           | 359.54      | 12,066.3              | -3,347.5     | -1,233.1     | 3,335.7                 | 0.00                    | 0.00                   | 0.00                  |
| 25,300.0                                                             | 92.40           | 359.54      | 12,062.1              | -3,247.6     | -1,233.9     | 3,235.8                 | 0.00                    | 0.00                   | 0.00                  |
| 25,400.0                                                             | 92.40           | 359.54      | 12,057.9              | -3,147.7     | -1,234.7     | 3,135.9                 | 0.00                    | 0.00                   | 0.00                  |
| 25,500.0                                                             | 92.40           | 359.54      | 12,053.8              | -3,047.7     | -1,235.5     | 3,036.0                 | 0.00                    | 0.00                   | 0.00                  |
| 25,600.0                                                             | 92.40           | 359.54      | 12,049.6              | -2,947.8     | -1,236.3     | 2,936.1                 | 0.00                    | 0.00                   | 0.00                  |
| 25,700.0                                                             | 92.40           | 359.54      | 12,045.4              | -2,847.9     | -1,237.1     | 2,836.1                 | 0.00                    | 0.00                   | 0.00                  |
| 25,800.0                                                             | 92.40           | 359.54      | 12,041.2              | -2,748.0     | -1,237.9     | 2,736.2                 | 0.00                    | 0.00                   | 0.00                  |
| 25,900.0                                                             | 92.40           | 359.54      | 12,037.0              | -2,648.1     | -1,238.7     | 2,636.3                 | 0.00                    | 0.00                   | 0.00                  |
| 26,000.0                                                             | 92.40           | 359.54      | 12,032.8              | -2,548.2     | -1,239.5     | 2,536.4                 | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Planned Survey                                     |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                              | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 26,100.0                                           | 92.40           | 359.54      | 12,028.7              | -2,448.3     | -1,240.3     | 2,436.5                 | 0.00                    | 0.00                   | 0.00                  |
| 26,200.0                                           | 92.40           | 359.54      | 12,024.5              | -2,348.4     | -1,241.1     | 2,336.6                 | 0.00                    | 0.00                   | 0.00                  |
| 26,300.0                                           | 92.40           | 359.54      | 12,020.3              | -2,248.5     | -1,241.9     | 2,236.7                 | 0.00                    | 0.00                   | 0.00                  |
| 26,400.0                                           | 92.40           | 359.54      | 12,016.1              | -2,148.6     | -1,242.7     | 2,136.8                 | 0.00                    | 0.00                   | 0.00                  |
| 26,500.0                                           | 92.40           | 359.54      | 12,011.9              | -2,048.7     | -1,243.5     | 2,036.8                 | 0.00                    | 0.00                   | 0.00                  |
| 26,600.0                                           | 92.40           | 359.54      | 12,007.7              | -1,948.7     | -1,244.3     | 1,936.9                 | 0.00                    | 0.00                   | 0.00                  |
| 26,700.0                                           | 92.40           | 359.54      | 12,003.6              | -1,848.8     | -1,245.1     | 1,837.0                 | 0.00                    | 0.00                   | 0.00                  |
| 26,800.0                                           | 92.40           | 359.54      | 11,999.4              | -1,748.9     | -1,245.9     | 1,737.1                 | 0.00                    | 0.00                   | 0.00                  |
| 26,900.0                                           | 92.40           | 359.54      | 11,995.2              | -1,649.0     | -1,246.7     | 1,637.2                 | 0.00                    | 0.00                   | 0.00                  |
| 27,000.0                                           | 92.40           | 359.54      | 11,991.0              | -1,549.1     | -1,247.5     | 1,537.3                 | 0.00                    | 0.00                   | 0.00                  |
| 27,100.0                                           | 92.40           | 359.54      | 11,986.8              | -1,449.2     | -1,248.4     | 1,437.4                 | 0.00                    | 0.00                   | 0.00                  |
| 27,200.0                                           | 92.40           | 359.54      | 11,982.6              | -1,349.3     | -1,249.2     | 1,337.5                 | 0.00                    | 0.00                   | 0.00                  |
| 27,300.0                                           | 92.40           | 359.54      | 11,978.5              | -1,249.4     | -1,250.0     | 1,237.5                 | 0.00                    | 0.00                   | 0.00                  |
| 27,400.0                                           | 92.40           | 359.54      | 11,974.3              | -1,149.5     | -1,250.8     | 1,137.6                 | 0.00                    | 0.00                   | 0.00                  |
| 27,500.0                                           | 92.40           | 359.54      | 11,970.1              | -1,049.6     | -1,251.6     | 1,037.7                 | 0.00                    | 0.00                   | 0.00                  |
| 27,600.0                                           | 92.40           | 359.54      | 11,965.9              | -949.6       | -1,252.4     | 937.8                   | 0.00                    | 0.00                   | 0.00                  |
| 27,700.0                                           | 92.40           | 359.54      | 11,961.7              | -849.7       | -1,253.2     | 837.9                   | 0.00                    | 0.00                   | 0.00                  |
| 27,800.0                                           | 92.40           | 359.54      | 11,957.5              | -749.8       | -1,254.0     | 738.0                   | 0.00                    | 0.00                   | 0.00                  |
| 27,900.0                                           | 92.40           | 359.54      | 11,953.4              | -649.9       | -1,254.8     | 638.1                   | 0.00                    | 0.00                   | 0.00                  |
| 27,980.3                                           | 92.40           | 359.54      | 11,950.0              | -569.7       | -1,255.4     | 557.8                   | 0.00                    | 0.00                   | 0.00                  |
| TD at 27980.3 - BHL - John Stewart State Com #220H |                 |             |                       |              |              |                         |                         |                        |                       |

## Planning Report

|                  |                              |                                     |                                   |
|------------------|------------------------------|-------------------------------------|-----------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db   | <b>Local Co-ordinate Reference:</b> | Well John Stewart State Com #220H |
| <b>Company:</b>  | Matador Production Company   | <b>TVD Reference:</b>               | KB @ 2933.5usft                   |
| <b>Project:</b>  | Antelope Ridge               | <b>MD Reference:</b>                | KB @ 2933.5usft                   |
| <b>Site:</b>     | John Stewart                 | <b>North Reference:</b>             | Grid                              |
| <b>Well:</b>     | John Stewart State Com #220H | <b>Survey Calculation Method:</b>   | Minimum Curvature                 |
| <b>Wellbore:</b> | Wellbore #1                  |                                     |                                   |
| <b>Design:</b>   | State Plan #1                |                                     |                                   |

| Design Targets                                                                                                                   |                  |                 |               |                 |                 |                    |                   |                 |                   |
|----------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|-------------------|
| Target Name<br>- hit/miss target<br>- Shape                                                                                      | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude        | Longitude         |
| KOP - John Stewart Stat<br>- plan hits target center<br>- Point                                                                  | 0.00             | 0.00            | 11,357.5      | -58.7           | 50.6            | 373,591.00         | 835,609.00        | 32° 1' 20.973 N | 103° 15' 1.689 W  |
| FPP - John Stewart Stat<br>- plan hits target center<br>- Point                                                                  | 0.00             | 0.00            | 11,925.8      | -559.0          | 55.3            | 373,090.68         | 835,613.71        | 32° 1' 16.022 N | 103° 15' 1.692 W  |
| BHL - John Stewart Stat<br>- plan hits target center<br>- Point                                                                  | 0.00             | 0.00            | 11,950.0      | -569.7          | -1,255.4        | 373,080.00         | 834,303.00        | 32° 1' 16.046 N | 103° 15' 16.916 W |
| DP1 - John Stewart Stat<br>- plan misses target center by 0.3usft at 19045.7usft MD (12227.0 TVD, -7411.7 N, 119.9 E)<br>- Point | 0.00             | 0.00            | 12,227.0      | -7,411.7        | 119.6           | 366,238.00         | 835,678.00        | 32° 0' 8.209 N  | 103° 15' 1.743 W  |
| DP2 - John Stewart Stat<br>- plan hits target center<br>- Point                                                                  | 0.00             | 0.00            | 12,237.0      | -7,423.7        | -1,200.4        | 366,226.00         | 834,358.00        | 32° 0' 8.221 N  | 103° 15' 17.071 W |
| NPZ1 - John Stewart Stat<br>- plan hits target center<br>- Point                                                                 | 0.00             | 0.00            | 12,250.7      | -7,921.0        | -113.7          | 365,728.68         | 835,444.74        | 32° 0' 3.192 N  | 103° 15' 4.511 W  |
| NPZ2 - John Stewart Stat<br>- plan hits target center<br>- Point                                                                 | 0.00             | 0.00            | 12,256.6      | -7,929.0        | -957.8          | 365,720.68         | 834,600.58        | 32° 0' 3.197 N  | 103° 15' 14.313 W |
| Apex - John Stewart Stat<br>- plan hits target center<br>- Point                                                                 | 0.00             | 0.00            | 12,260.0      | -8,077.4        | -534.0          | 365,572.29         | 835,024.41        | 32° 0' 1.687 N  | 103° 15' 9.409 W  |

| Formations               |                          |                             |           |            |                      |
|--------------------------|--------------------------|-----------------------------|-----------|------------|----------------------|
| Measured Depth<br>(usft) | Vertical Depth<br>(usft) | Name                        | Lithology | Dip<br>(°) | Dip Direction<br>(°) |
| 2,193.0                  | 2,193.0                  | Rustler                     |           | 2.50       | 179.46               |
| 5,245.0                  | 5,245.0                  | G30:CS14-CSB (Lamar/Tansil) |           | 2.50       | 179.46               |
| 5,709.9                  | 5,709.9                  | G25: Bell Cyn               |           | 2.50       | 179.46               |
| 7,425.6                  | 7,425.6                  | G5: L. Brushy Cyn.          |           | 2.50       | 179.46               |
| 7,695.3                  | 7,695.3                  | G4: BSG (CS9)               |           | 2.50       | 179.46               |
| 8,351.6                  | 8,351.5                  | L6.3: Avalon Carb           |           | 2.50       | 179.46               |
| 9,364.3                  | 9,363.5                  | L5.1: FBSG                  |           | 2.50       | 179.46               |
| 9,430.4                  | 9,429.6                  | M. FBSG                     |           | 2.50       | 179.46               |
| 9,431.5                  | 9,430.7                  | L4.3: SBSC                  |           | 2.50       | 179.46               |
| 9,889.3                  | 9,888.2                  | L4.1: SBSG                  |           | 2.50       | 179.46               |
| 9,946.8                  | 9,945.7                  | L4.1: SBSG B Carb           |           | 2.50       | 179.46               |
| 10,075.2                 | 10,074.0                 | L3.3: TBSC                  |           | 2.50       | 179.46               |
| 11,296.0                 | 11,294.7                 | L3.1: TBSC                  |           | 2.50       | 179.46               |
| 11,477.3                 | 11,475.2                 | L2: WFMP A                  |           | 2.50       | 179.46               |
| 11,595.7                 | 11,587.7                 | L1: WFMP A Fat              |           | 2.50       | 179.46               |
| 11,995.8                 | 11,871.1                 | WFMP B                      |           | 2.50       | 179.46               |

Planning Report

|           |                              |                              |                                   |
|-----------|------------------------------|------------------------------|-----------------------------------|
| Database: | EDM 5000.14 Single User Db   | Local Co-ordinate Reference: | Well John Stewart State Com #220H |
| Company:  | Matador Production Company   | TVD Reference:               | KB @ 2933.5usft                   |
| Project:  | Antelope Ridge               | MD Reference:                | KB @ 2933.5usft                   |
| Site:     | John Stewart                 | North Reference:             | Grid                              |
| Well:     | John Stewart State Com #220H | Survey Calculation Method:   | Minimum Curvature                 |
| Wellbore: | Wellbore #1                  |                              |                                   |
| Design:   | State Plan #1                |                              |                                   |

| Plan Annotations            |                             |                   |                 |                                 |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                         |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                 |
| 8,000.0                     | 8,000.0                     | 0.0               | 0.0             | Start Build 2.00                |
| 8,100.0                     | 8,100.0                     | -1.3              | 1.1             | Start 2103.3 hold at 8100.0 MD  |
| 10,203.3                    | 10,202.0                    | -56.9             | 49.1            | Start Drop -1.50                |
| 10,336.7                    | 10,335.3                    | -58.7             | 50.6            | Start 1022.2 hold at 10336.7 MD |
| 11,358.8                    | 11,357.5                    | -58.7             | 50.6            | Start Build 10.00               |
| 12,233.8                    | 11,929.9                    | -606.6            | 55.8            | Start 6811.8 hold at 12233.8 MD |
| 19,045.7                    | 12,227.0                    | -7,411.7          | 119.9           | Start DLS 8.68 TFO 90.35        |
| 19,805.7                    | 12,255.7                    | -8,017.4          | -265.8          | Start 1.5 hold at 19805.7 MD    |
| 19,807.1                    | 12,255.8                    | -8,018.0          | -267.2          | Start DLS 8.69 TFO 87.97        |
| 21,120.1                    | 12,237.0                    | -7,423.7          | -1,200.4        | Start 6860.2 hold at 21120.1 MD |
| 27,980.3                    | 11,950.0                    | -569.7            | -1,255.4        | TD at 27980.3                   |

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

Submit Electronically  
Via E-permitting

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description Effective May 25, 2021

**I. Operator:** Matador Production Company **OGRID:** 228937 **Date:** 7/28/2025

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                    | API | ULSTR        | Footages             | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|------------------------------|-----|--------------|----------------------|-----------------------|-----------------------|----------------------------------|
| JOHN STEWART STATE COM #220H | TBD | O-22-26S-36E | 459' FSL & 2030' FEL | 1399                  | 4330                  | 3123                             |

**IV. Central Delivery Point Name:** Amen Corner Tank Battery [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name                    | API | Spud Date  | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|------------------------------|-----|------------|-----------------|------------------------------|------------------------|-----------------------|
| JOHN STEWART STATE COM #220H | TBD | 01/19/2026 | 02/20/2026      | 03/03/2026                   | 03/31/2026             | 03/31/2026            |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

**Section 2 – Enhanced Plan**  
**EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

**IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

**X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

**Section 3 - Certifications****Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

**Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

|                                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Signature:      |
| Printed Name: Adrian Salinas                                                                     |
| Title: Facilities Engineer                                                                       |
| E-mail Address: adrian.salinas@matadorresources.com                                              |
| Date: 7/28/2025                                                                                  |
| Phone: 832-314-0336                                                                              |
| <b>OIL CONSERVATION DIVISION</b><br><b>(Only applicable when submitted as a standalone form)</b> |
| Approved By:                                                                                     |
| Title:                                                                                           |
| Approval Date:                                                                                   |
| Conditions of Approval:                                                                          |