<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

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

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

District IV

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

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

Form C-101 August 1, 2011

Permit 357764

| | APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE |
|------|--|
| | a comin to |

| 1. Operator Name and Address | | 2. OGRID Number |
|------------------------------|------------------|-----------------|
| Silverback Operating II, LLC | 330968 | |
| 19707 IH10 West, Suite 201 | | 3. API Number |
| San Antonio, TX 78256 | | 30-015-54743 |
| 4. Property Code | 5. Property Name | 6. Well No. |
| 335065 | RIVER ROCK | 103H |

7. Surface Location

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County | | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|--|--|
| E | 36 | 18S | 25E | | 2375 | N | 1121 | W | Eddy | | |

8. Proposed Bottom Hole Location

| ſ | UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|---|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| | J | 34 | 18S | 25E | J | 2166 | S | 2595 | E | Eddy |

9. Pool Information

| PENASCO DRAW;SA-YESO (ASSOC) | 50270 |
|------------------------------|-------|

Additional Well Information

| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type Private | 15. Ground Level Elevation 3493 |
|------------------------|-----------------------------|-----------------------|---------------------------|-----------------------------------|
| 16. Multiple N | 17. Proposed Depth 11150 | 18. Formation Yeso | 19. Contractor | 20. Spud Date 6/23/2024 |
| Depth to Ground water | | | | 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 | 12.25 | 9.625 | 36 | 1271 | 282 | 0 | |
| Prod | 8.75 | 7 | 32 | 3358 | 183 | 0 | |
| Prod | 8.75 | 5.5 | 20 | 11150 | 2282 | 2283 | |

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

| Туре | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5000 | 5000 | Shaffer |
| | | | |

| knowledge and be | elief. | true and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC | | OIL CONSERVATION | ON DIVISION |
|---|-------------------------------------|--|--------------------|------------------|----------------------------|
| Printed Name: | Electronically filed by Matthew All | ey | Approved By: | Ward Rikala | |
| Title: | Title: Chief Financial Officer | | | | |
| Email Address: malley@silverbackexp.com | | | Approved Date: | 2/14/2024 | Expiration Date: 2/14/2026 |
| Date: 1/16/2024 Phone: 303-513-0990 | | | Conditions of Appr | oval Attached | |

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III

division

SURFACE HOLE LOCATION (SHL)

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico

Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.

1220 South St. Francis Dr. Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| ¹ API Number | | ² Pool Code | | | |
|-----------------------------------|--|------------------------|-----------------------------------|------------------------------------|--|
| ³⁰⁻⁰¹⁵ -54743 | | 50270 | PENASCO DRAW;SA-YESO (ASSOC) | | |
| ⁴ Property Code 335065 | | | operty Name ER ROCK | ⁶ Well Number 103H | |
| ⁷ OGRID No. 330968 | | 1 | perator Name OPERATING II, LLC | ⁹ Elevation 3492.90' | |

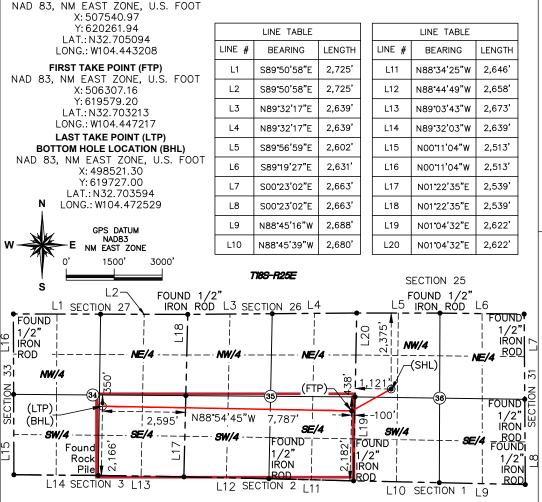
¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| E | 36 | 18-S | 25-E | | 2,375' | NORTH | 1,121' | WEST | EDDY |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. J | Section 34 | Township 18-S | Range 25-E | Lot Idn | Feet from the 2,166' | North/South line SOUTH | Feet from the 2,595' | East/West line EAST | County EDDY |
|--------------------|---------------|------------------|---------------|------------|----------------------|---------------------------|----------------------|------------------------|----------------|
| 12 Dedicated Acres | 13 Joint or | Infill 14 C | Consolidation | Code 15 Or | der No. | | | | |
| 480 | | | | | | | | | |

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



17 OPERATOR CERTIFICATION

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

Fatma Abdallah 12/28/2023 Signature Date

Fatma Abdallah

Printed Name

fabdallah@silverbackexp.com

E-mail Address

18SURVEYOR CERTIFICATION

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

Date of Survey
Signature and Seal of Professional Maxwyor:

20450
Certificate Number

Form APD Conditions

Permit 357764

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

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

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

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

PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number: |
|---------------------------------------|------------------|
| Silverback Operating II, LLC [330968] | 30-015-54743 |
| 19707 IH10 West, Suite 201 | Well: |
| San Antonio, TX 78256 | RIVER ROCK #103H |

| OCD Reviewer | Condition |
|-----------------|--|
| ward.rikala | Notify OCD 24 hours prior to casing & cement |
| ward.rikala | Will require a File As Drilled C-102 and a Directional Survey with the C-104 |
| ward.rikala | 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 |
| ward.rikala | Cement is required to circulate on both surface and intermediate1 strings of casing |
| ward.rikala | If cement does not circulate on any string, a CBL is required for that string of casing |
| ward.rikala | 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 |
| ward.rikala | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud |

State of New Mexico Energy, Minerals and Natural Resources Department

Submit Electronically Via E-permitting

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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: Silverba | ck Operating II | , LLC | OGRID: | 330968 | Date: _ | 12/_28_/_23 |
|---|-------------------------------------|---|--------------------------------------|----------------------------|--------------------------|---|
| II. Type: Original [| ☐ Amendment | due to □ 19.15.27.9 | D.D(6)(a) NMAC | □ 19.15.27.9.D(| 6)(b) NMAC □ O | ther. |
| If Other, please describ | e: | | | | | |
| III. Well(s): Provide the be recompleted from a | ne following inf single well pad | Formation for each n or connected to a co | ew or recomplet entral delivery p | ed well or set of voint. | vells proposed to b | oe drilled or proposed to |
| Well Name | API | ULSTR | Footages | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
| River Rock 101H | 30-015 | M-36-18S-25E | 801' FSL & 1035' FV | ^L 515 | 440 | 3000 |
| River Rock 102H | 30-015 | M-36-18S-25E | 821' FSL & 1035' FV | L 515 | 440 | 3000 |
| River Rock 103H | 30-015 | E-36-18S-25E | 2375' FNL & 1121' F | vl 515 | 440 | 3000 |
| | | | | | | |
| IV. Central Delivery I | | | ion for each new | or recompleted w | | 9.15.27.9(D)(1) NMAC] proposed to be drilled or |
| proposed to be recompl | | | | | | proposed to ob drinied of |
| Well Name | API | Spud Date | TD Reached Date | Completion Commencement | | |
| River Rock 101H | 30-015 | 5/15/2024 | 7/24/2024 | 10/1/2024 | 11/15/202 | 24 11/15/2024 |
| River Rock 102H | 30-015 | 5/20/2024 | 8/6/2024 | 10/1/2024 | 11/16/20 | 24 11/16/2024 |
| River Rock 103H | 30-015 | 06/23/2024 | 09/06/2024 | 11/11/2024 | 12/21/20 | 24 12/21/2024 |
| VI. Separation Equip | | | - | • | | |

- 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.

| | | | Enhanced Plan E APRIL 1, 2022 | |
|---|---|---|--|---|
| Beginning April 1, 20 reporting area must co | | | vith its statewide natural gas | capture requirement for the applicable |
| ☐ Operator certifies capture requirement f | | | on because Operator is in cor | npliance with its statewide natural gas |
| IX. Anticipated Nati | ural Gas Producti | on: | | |
| Well | | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
| | | | | |
| X. Natural Gas Gath | nering System (NC | GGS): | | |
| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
| | | | | |
| production operations the segment or portion in the segment of the | to the existing or n of the natural gas gas om the well prior t Operator does system(s) describe | planned interconnect of the segment | the natural gas gathering system which the well(s) will be considered with the well(s) will be considered with the well(s) will be considered to get the considered well(s) connect meet anticipated increases in the increased line pressure. | gather 100% of the anticipated natural gas ted to the same segment, or portion, of the line pressure caused by the new well(s). |
| Section 2 as provided | in Paragraph (2) o | | 27.9 NMAC, and attaches a f | SA 1978 for the information provided in full description of the specific information |
| | | | | |

(i)

Section 3 - Certifications Effective May 25, 2021

| Operator certifies that, a | fter reasonable inquiry and based on the available information at the time of submittal: |
|---|--|
| one hundred percent of | to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering |
| hundred percent of the a into account the current | able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one nticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. box, Operator will select one of the following: |
| Well Shut-In. ☐ Operat D of 19.15.27.9 NMAC | for will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection or |
| | lan. □ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential es 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 |

Section 4 - Notices

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

other alternative beneficial uses approved by the division.

- (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: Fatma Abdallah |
|---|
| Printed Name: Fatma Abdallah |
| Title: Regulatory Manager |
| E-mail Address: fabdallah@silverbackexp.com |
| Date: 12/28/2023 |
| Phone: 210-585-3316 |
| OIL CONSERVATION DIVISION |
| (Only applicable when submitted as a standalone form) |
| Approved By: |
| Title: |
| Approval Date: |
| Conditions of Approval: |
| |
| |
| |
| |

Separation Equipment

Silverback Operating II (LLC) has sampled existing producing wells and performed laboratory testing to determine composition. Performance of existing producing wells was analyzed to predict expected production volumes. Production composition and the volumes were utilized as inputs to a process model which predicts relative amounts of gas, oil and water throughout the process. Equipment sizing is based on drop settlement and limits the amount of carry over between production phases.

Each well is brought to a manifold that will convey production to a bulk or a test separator. Gas from the separator is taken through a gas scrubber and onto the gas sales pipeline. Facility piping and pipeline were sized to allow peak volumes to flow with minimal pressure loss and deliver to midstream gatherer at an acceptable pressure. Water is conveyed directly to tankage.

Oil from 3 phase separators is comingled and conveyed to a heated separator for enhanced liquid-liquid separation and degassing. Vapors from the heater treater are routed to a Vapor Recovery Unit (VRU).

Oil and water storage tanks vapor outlets are common and utilize a closed vent vapor system to ensure all working & breathing and flashing losses are routed to the Vapor Recovery Unit (VRU) Site VRUs are sized to accommodate peak expected production volume. Gas from the VRU discharge is combined with 1st stage separation gas and sent to sales.

Venting and Flaring

Silverback Operating II, LLC will ensure pipeline connectivity before producing hydrocarbons and will operate a closed vent vapor capture system that is designed to capture all associated and evolved gas during normal operation. Venting or flaring will only occur during start up and shut down, maintenance activities or equipment failure or upset. Silverback may utilize the following from list A-I of Section 3 for its operations to minimize flaring:

- a) Power generation on lease Natural gas driven gen set to produce power required to run supply well pad electrical loads
- b) Compression on lease gas lift or gas compression as required
- c) Liquids removal on lease gas pressure will be used to convey fluids as needed

Best Management Practices

Silverback utilizes automate engineering controls included in facility design to minimize venting and flaring. Additionally, operational best practices support minimization of flare and venting as described below.

If the main gas outlet becomes unavailable and pressure increases on the outlet sales line, produced gas will be routed directly to the facility flare. The facility control system will alert personnel to the need for maintenance and appropriate response to the temporary flaring event.

The facility design includes a closed vent vapor capture system to route flash or evolved

from the heater treater and tanks to the Vapor Recovery Unit (VRU) Compressor. If the VRU requires planned or unplanned maintenance, vapors will automatically be routed to the facility flare.

For maintenance activities, Silverback will utilize the facility flare to blowdown equipment and piping whenever practical to minimize venting

West(-)/East(+) (250 usft/in)



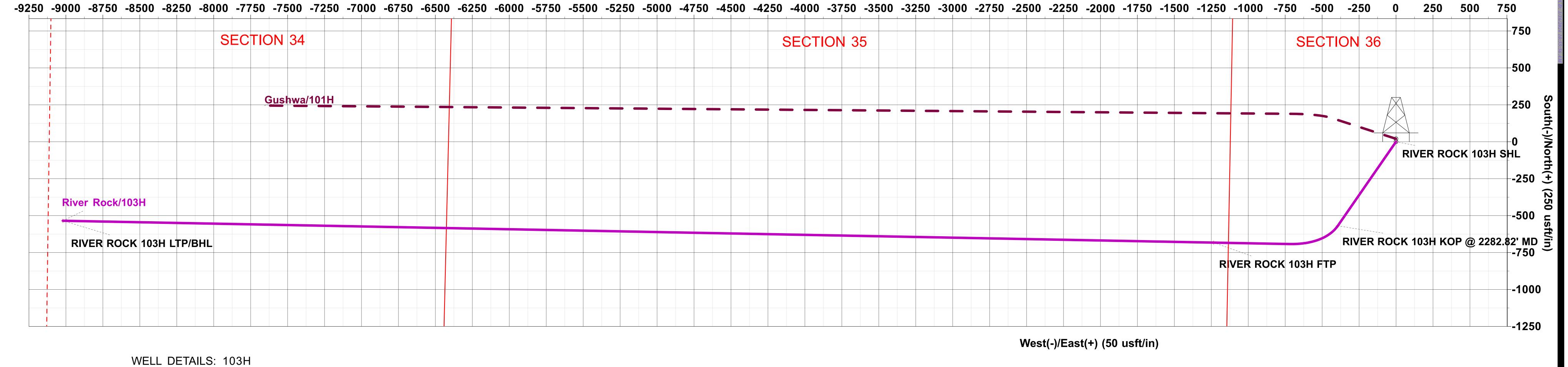
Project: EDDY COUNTY, NM (NAD 83 - NME)

Site: River Rock

Start Build 3.00

2400

Well: 103H Wellbore: OH Design: Plan 1r0



SECTION 36

SECTION 35

River Rock/103H

RIVER ROCK 103H FTP

LP at 3358.23 MD

| | Rig | Name: TBD | RKB = 16.2' @ | ② 3509.10usft (TBD) | |
|-------|-------|-----------|---------------|---------------------|--------------|
| | | Groun | d Level: 3492 | .90 | |
| +N/-S | +E/-W | Northing | Easting | Latittude | Longitude |
| 0.00 | 0.00 | 620261.94 | 507540.97 | 32.7050937 | -104.4432077 |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | VSect | Target |
|-----|----------|-------|--------|---------|---------|----------|------|---------|-------------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1642.03 | 34.26 | 214.69 | 1575.18 | -272.49 | -188.60 | 3.00 | 183.38 | |
| 4 | 2282.82 | 34.26 | 214.69 | 2104.78 | -569.12 | -393.90 | 0.00 | 383.00 | |
| 5 | 2804.13 | 60.00 | 271.09 | 2471.25 | -692.46 | -721.63 | 9.00 | 708.32 | |
| 6 | 3004.13 | 60.00 | 271.09 | 2571.25 | -689.18 | -894.80 | 0.00 | 881.53 | |
| 7 | 3358.23 | 91.87 | 271.09 | 2656.20 | -682.74 | -1233.81 | 9.00 | 1220.60 | RIVER ROCK 103H FTP |
| 8 | 11149.64 | 91.87 | 271.09 | 2402.10 | -534.94 | -9019.67 | 0.00 | 9007.86 | RIVER ROCK 103H LTP/BHL |

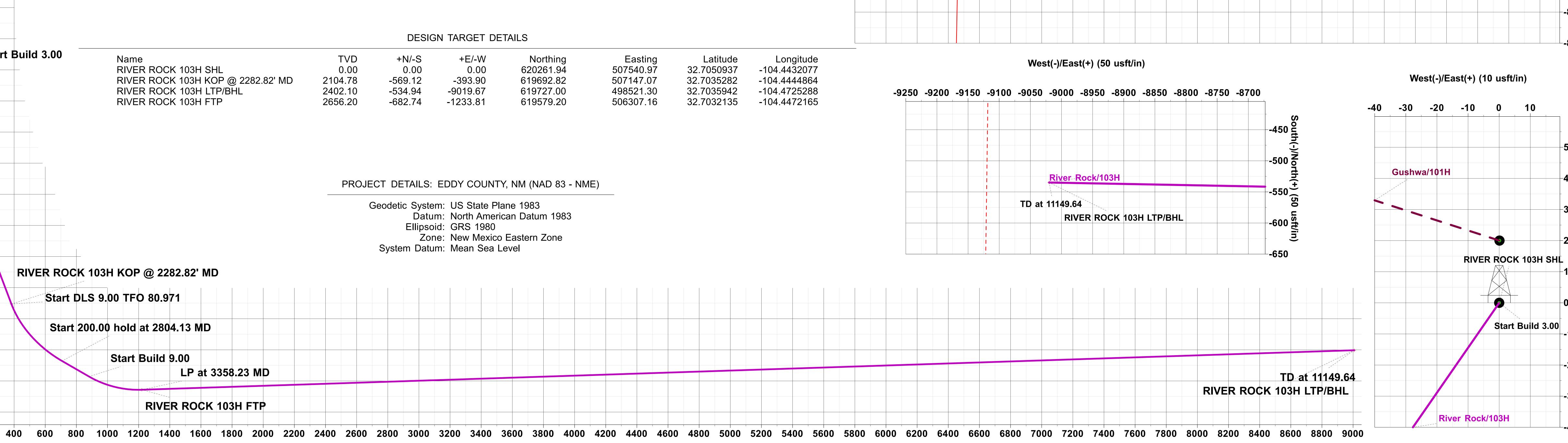
DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-----------------------------------|---------|---------|----------|-----------|-----------|------------|--------------|
| RIVER ROCK 103H SHL | 0.00 | 0.00 | 0.00 | 620261.94 | 507540.97 | 32.7050937 | -104.4432077 |
| RIVER ROCK 103H KOP @ 2282.82' MD | 2104.78 | -569.12 | -393.90 | 619692.82 | 507147.07 | 32.7035282 | -104.4444864 |
| RIVER ROCK 103H LTP/BHL | 2402.10 | -534.94 | -9019.67 | 619727.00 | 498521.30 | 32.7035942 | -104.4725288 |
| RIVER ROCK 103H FTP | 2656.20 | -682.74 | -1233.81 | 619579.20 | 506307.16 | 32.7032135 | -104.4472165 |
| | | | | | | | |

PROJECT DETAILS: EDDY COUNTY, NM (NAD 83 - NME)

Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: New Mexico Eastern Zone

System Datum: Mean Sea Level



Start Build 9.00 Start 200.00 hold at 2804.13 MD

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RIVER ROCK 103H KOP @ 2282.82' MD

Start DLS 9.00 TFO 80.971

Start 200.00 hold at 2804.13 MD

Start Build 9.00

LP at 3358.23 MD

RIVER ROCK 103H FTP

Vertical Section at 271.09° (200 usft/in)

Plan: Plan 1r0 (103H/OH)

RIVER ROCK 103H KOP @ 2282.82' MD

Start DLS 9.00 TFO 80.971

Start Build 3.00

Created By: PROTOTYPE WELL PLANNING / Date: 14:22, December 19 2023



SILVERBACK EXPLORATION

EDDY COUNTY, NM (NAD 83 - NME) River Rock 103H

OH

Plan: Plan 1r0

Standard Planning Report

19 December, 2023



Database: EDM 5000.1.13 Single User Db Company: SILVERBACK EXPLORATION Project: EDDY COUNTY, NM (NAD 83 - NME)

River Rock Site: Well: 103H ОН Wellbore: Design: Plan 1r0

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference: **Survey Calculation Method:** Well 103H

RKB = 16.2' @ 3509.10usft (TBD) RKB = 16.2' @ 3509.10usft (TBD)

Minimum Curvature

Project EDDY COUNTY, NM (NAD 83 - NME)

Map System: US State Plane 1983 North American Datum 1983 Geo Datum: Map Zone: New Mexico Eastern Zone

System Datum:

Mean Sea Level

River Rock Site

Site Position: Northing: 618,173.76 usft 32.6993536 Latitude: From: Мар Easting: 507,416.27 usft Longitude: -104.4436060 **Position Uncertainty:** 0.00 usft Slot Radius: 13-3/16 " **Grid Convergence:** -0.060°

Well 103H

Well Position +N/-S Latitude: 2,088.18 usft Northing: 620,261.94 usft 32.7050937 +E/-W 124.70 usft Easting: 507,540.97 usft Longitude: -104.4432077

Position Uncertainty 0.00 usft Wellhead Elevation: 0.00 usft **Ground Level:** 3,492.90 usft

Design Plan 1r0

Audit Notes:

Version: Phase: **PLAN** Tie On Depth: 0.00

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.00 0.00 0.00 271.09

| Plan Section | s | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|-----------------|
| 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 |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 1,642.03 | 34.26 | 214.69 | 1,575.18 | -272.49 | -188.60 | 3.00 | 3.00 | 0.00 | 214.688 | |
| 2,282.82 | 34.26 | 214.69 | 2,104.78 | -569.12 | -393.90 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 2,804.13 | 60.00 | 271.09 | 2,471.25 | -692.46 | -721.63 | 9.00 | 4.94 | 10.82 | 80.971 | |
| 3,004.13 | 60.00 | 271.09 | 2,571.25 | -689.18 | -894.80 | 0.00 | 0.00 | 0.00 | 0.000 | |
| 3,358.23 | 91.87 | 271.09 | 2,656.20 | -682.74 | -1,233.81 | 9.00 | 9.00 | 0.00 | 0.000 | RIVER ROCK 103F |
| 11,149.64 | 91.87 | 271.09 | 2,402.10 | -534.94 | -9,019.67 | 0.00 | 0.00 | 0.00 | 0.000 | RIVER ROCK 103F |



Database: EDM 5000.1.13 Single User Db Company: SILVERBACK EXPLORATION Project: EDDY COUNTY, NM (NAD 83 - NME)

 Site:
 River Rock

 Well:
 103H

 Wellbore:
 OH

 Design:
 Plan 1r0

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well 103H

RKB = 16.2' @ 3509.10usft (TBD) RKB = 16.2' @ 3509.10usft (TBD)

Grid

Minimum Curvature

| ed 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) |
| 0.00 | 0.00 CK 103H SHL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 700.00 800.00 900.00 | 3.00 6.00 9.00 12.00 | 214.69 214.69 214.69 214.69 | 599.95 699.63 798.77 897.08 | -2.15 -8.60 -19.33 -34.32 | -1.49 -5.95 -13.38 -23.75 | 1.45 5.79 13.01 23.09 | 3.00 3.00 3.00 3.00 | 3.00 3.00 3.00 3.00 | 0.00 0.00 0.00 0.00 0.00 |
| 1,000.00 | 15.00 | 214.69 | 994.31 | -53.51 | -37.04 | 36.01 | 3.00 | 3.00 | 0.00 |
| 1,100.00 | 18.00 | 214.69 | 1,090.18 | -76.86 | -53.20 | 51.73 | 3.00 | 3.00 | 0.00 |
| 1,200.00 | 21.00 | 214.69 | 1,184.43 | -104.31 | -72.19 | 70.20 | 3.00 | 3.00 | 0.00 |
| 1,300.00 | 24.00 | 214.69 | 1,276.81 | -135.77 | -93.97 | 91.37 | 3.00 | 3.00 | 0.00 |
| 1,400.00 | 27.00 | 214.69 | 1,367.06 | -171.16 | -118.47 | 115.19 | 3.00 | 3.00 | 0.00 |
| 1,500.00 | 30.00 | 214.69 | 1,454.93 | -210.39 | -145.62 | 141.59 | 3.00 | 3.00 | 0.00 |
| 1,600.00 | 33.00 | 214.69 | 1,540.18 | -253.35 | -175.35 | 170.50 | 3.00 | 3.00 | 0.00 |
| 1,642.03 | 34.26 | 214.69 | 1,575.18 | -272.49 | -188.60 | 183.38 | 3.00 | 3.00 | 0.00 |
| 1,700.00 | 34.26 | 214.69 | 1,623.09 | -299.33 | -207.17 | 201.44 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 34.26 | 214.69 | 1,705.74 | -345.62 | -239.21 | 232.59 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 34.26 | 214.69 | 1,788.39 | -391.91 | -271.25 | 263.74 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 34.26 | 214.69 | 1,871.03 | -438.20 | -303.29 | 294.90 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 34.26 | 214.69 | 1,953.68 | -484.49 | -335.33 | 326.05 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 34.26 | 214.69 | 2,036.33 | -530.78 | -367.36 | 357.20 | 0.00 | 0.00 | 0.00 |
| 2,282.82 | 34.26 | 214.69 | 2,104.78 | -569.12 | -393.90 | 383.00 | 0.00 | 0.00 | 0.00 |
| | CK 103H KOP | | | | | | | | |
| 2,300.00 | 34.53 | 217.38 | 2,118.96 | -576.96 | -399.61 | 388.56 | 9.00 | 1.58 | 15.68 |
| 2,350.00 | 35.65 | 224.97 | 2,159.89 | -598.54 | -418.52 | 407.06 | 9.00 | 2.24 | 15.17 |
| 2,400.00 | 37.22 | 232.08 | 2,200.13 | -618.16 | -440.76 | 428.92 | 9.00 | 3.13 | 14.22 |
| 2,450.00 | 39.18 | 238.63 | 2,239.44 | -635.68 | -466.18 | 454.01 | 9.00 | 3.92 | 13.11 |
| 2,500.00 | 41.47 | 244.62 | 2,277.57 | -651.00 | -494.64 | 482.17 | 9.00 | 4.59 | 11.97 |
| 2,550.00 | 44.05 | 250.05 | 2,314.29 | -664.04 | -525.95 | 513.22 | 9.00 | 5.15 | 10.87 |
| 2,600.00 | 46.86 | 254.99 | 2,349.38 | -674.70 | -559.93 | 546.99 | 9.00 | 5.62 | 9.87 |
| 2,650.00 | 49.86 | 259.47 | 2,382.60 | -682.92 | -596.36 | 583.26 | 9.00 | 6.01 | 8.97 |
| 2,700.00 | 53.03 | 263.57 | 2,413.77 | -688.65 | -635.01 | 621.80 | 9.00 | 6.32 | 8.19 |
| 2,750.00 | 56.32 | 267.33 | 2,442.69 | -691.86 | -675.66 | 662.38 | 9.00 | 6.58 | 7.52 |
| 2,804.13 | 60.00 | 271.09 | 2,471.25 | -692.46 | -721.63 | 708.32 | 9.00 | 6.80 | 6.94 |
| 2,900.00 | 60.00 | 271.09 | 2,519.18 | -690.89 | -804.63 | 791.34 | 0.00 | 0.00 | 0.00 |
| 3,004.13 | 60.00 | 271.09 | 2,571.25 | -689.18 | -894.80 | 881.53 | 0.00 | 0.00 | 0.00 |
| 3,050.00 | 64.13 | 271.09 | 2,592.73 | -688.41 | -935.30 | 922.04 | 9.00 | 9.00 | 0.00 |
| 3,100.00 | 68.63 | 271.09 | 2,612.76 | -687.54 | -981.09 | 967.84 | 9.00 | 9.00 | 0.00 |
| 3,150.00 | 73.13 | 271.09 | 2,629.14 | -686.64 | -1,028.32 | 1,015.07 | 9.00 | 9.00 | 0.00 |
| 3,200.00 | 77.63 | 271.09 | 2,641.75 | -685.72 | -1,076.67 | 1,063.44 | 9.00 | 9.00 | 0.00 |
| 3,250.00 | 82.13 | 271.09 | 2,650.54 | -684.79 | -1,125.88 | 1,112.64 | 9.00 | 9.00 | 0.00 |
| 3,300.00 | 86.63 | 271.09 | 2,655.44 | -683.84 | -1,175.61 | 1,162.39 | 9.00 | 9.00 | 0.00 |
| 3,350.00 | 91.13 | 271.09 | 2,656.42 | -682.90 | -1,225.58 | 1,212.37 | 9.00 | 9.00 | 0.00 |
| 3,358.23 | 91.87 CK 103H FTP | 271.09 | 2,656.20 | -682.74 | -1,233.81 | 1,220.60 | 9.00 | 9.00 | 0.00 |
| 3,400.00 | 91.87 | 271.09 | 2,654.84 | -681.95 | -1,275.55 | 1,262.34 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 91.87 | 271.09 | 2,651.58 | -680.05 | -1,375.48 | 1,362.29 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 91.87 | 271.09 | 2,648.32 | -678.15 | -1,475.40 | 1,462.24 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 91.87 | 271.09 | 2,645.05 | -676.26 | -1,575.33 | 1,562.18 | 0.00 | 0.00 | 0.00 |



Database: EDM 5000.1.13 Single User Db SILVERBACK EXPLORATION Project: EDDY COUNTY, NM (NAD 83 - NME)

 Site:
 River Rock

 Well:
 103H

 Wellbore:
 OH

 Design:
 Plan 1r0

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well 103H

RKB = 16.2' @ 3509.10usft (TBD) RKB = 16.2' @ 3509.10usft (TBD)

Grid

Minimum Curvature

| Design. | FIAII IIU | | | | | | | | |
|-----------------------------|-----------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 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) |
| 3,800.00 | 91.87 | 271.09 | 2,641.79 | -674.36 | -1,675.26 | 1,662.13 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 91.87 | 271.09 | 2,638.53 | -672.46 | -1,775.19 | 1,762.08 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 91.87 | 271.09 | 2,635.27 | -670.57 | -1,875.12 | 1,862.02 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 91.87 | 271.09 | 2,632.01 | -668.67 | -1,975.05 | 1,961.97 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 91.87 | 271.09 | 2,628.75 | -666.77 | -2,074.98 | 2,061.92 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 91.87 | 271.09 | 2,625.49 | -664.88 | -2,174.91 | 2,161.87 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 91.87 | 271.09 | 2,622.23 | -662.98 | -2,274.84 | 2,261.81 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 91.87 | 271.09 | 2,618.96 | -661.08 | -2,374.76 | 2,361.76 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 91.87 | 271.09 | 2,615.70 | -659.18 | -2,474.69 | 2,461.71 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 91.87 | 271.09 | 2,612.44 | -657.29 | -2,574.62 | 2,561.65 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 91.87 | 271.09 | 2,609.18 | -655.39 | -2,674.55 | 2,661.60 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 91.87 | 271.09 | 2,605.92 | -653.49 | -2,774.48 | 2,761.55 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 91.87 | 271.09 | 2,602.66 | -651.60 | -2,874.41 | 2,861.49 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 91.87 | 271.09 | 2,599.40 | -649.70 | -2,974.34 | 2,961.44 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 91.87 | 271.09 | 2,596.13 | -647.80 | -3,074.27 | 3,061.39 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 91.87 | 271.09 | 2,592.87 | -645.91 | -3,174.19 | 3,161.33 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 91.87 | 271.09 | 2,589.61 | -644.01 | -3,274.12 | 3,261.28 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 91.87 | 271.09 | 2,586.35 | -642.11 | -3,374.05 | 3,361.23 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 91.87 | 271.09 | 2,583.09 | -640.21 | -3,473.98 | 3,461.17 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 91.87 | 271.09 | 2,579.83 | -638.32 | -3,573.91 | 3,561.12 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 91.87 | 271.09 | 2,576.57 | -636.42 | -3,673.84 | 3,661.07 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 91.87 | 271.09 | 2,573.31 | -634.52 | -3,773.77 | 3,761.01 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 91.87 | 271.09 | 2,570.04 | -632.63 | -3,873.70 | 3,860.96 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 91.87 | 271.09 | 2,566.78 | -630.73 | -3,973.63 | 3,960.91 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 91.87 | 271.09 | 2,563.52 | -628.83 | -4,073.55 | 4,060.85 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 91.87 | 271.09 | 2,560.26 | -626.94 | -4,173.48 | 4,160.80 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 91.87 | 271.09 | 2,557.00 | -625.04 | -4,273.41 | 4,260.75 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 91.87 | 271.09 | 2,553.74 | -623.14 | -4,373.34 | 4,360.69 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 91.87 | 271.09 | 2,550.48 | -621.24 | -4,473.27 | 4,460.64 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 91.87 | 271.09 | 2,547.22 | -619.35 | -4,573.20 | 4,560.59 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 91.87 | 271.09 | 2,543.95 | -617.45 | -4,673.13 | 4,660.54 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 91.87 | 271.09 | 2,540.69 | -615.55 | -4,773.06 | 4,760.48 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 91.87 | 271.09 | 2,537.43 | -613.66 | -4,872.98 | 4,860.43 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 91.87 | 271.09 | 2,534.17 | -611.76 | -4,972.91 | 4,960.38 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 91.87 | 271.09 | 2,530.91 | -609.86 | -5,072.84 | 5,060.32 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 91.87 | 271.09 | 2,527.65 | -607.97 | -5,172.77 | 5,160.27 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 91.87 | 271.09 | 2,524.39 | -606.07 | -5,272.70 | 5,260.22 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 91.87 | 271.09 | 2,521.13 | -604.17 | -5,372.63 | 5,360.16 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 91.87 | 271.09 | 2,517.86 | -602.28 | -5,472.56 | 5,460.11 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 91.87 | 271.09 | 2,514.60 | -600.38 | -5,572.49 | 5,560.06 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 91.87 | 271.09 | 2,511.34 | -598.48 | -5,672.41 | 5,660.00 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 91.87 | 271.09 | 2,508.08 | -596.58 | -5,772.34 | 5,759.95 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 91.87 | 271.09 | 2,504.82 | -594.69 | -5,872.27 | 5,859.90 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 91.87 | 271.09 | 2,501.56 | -592.79 | -5,972.20 | 5,959.84 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 91.87 | 271.09 | 2,498.30 | -590.89 | -6,072.13 | 6,059.79 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 91.87 | 271.09 | 2,495.03 | -589.00 | -6,172.06 | 6,159.74 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 91.87 | 271.09 | 2,491.77 | -587.10 | -6,271.99 | 6,259.68 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 91.87 | 271.09 | 2,488.51 | -585.20 | -6,371.92 | 6,359.63 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 91.87 | 271.09 | 2,485.25 | -583.31 | -6,471.85 | 6,459.58 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 91.87 | 271.09 | 2,481.99 | -581.41 | -6,571.77 | 6,559.52 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 91.87 | 271.09 | 2,478.73 | -579.51 | -6,671.70 | 6,659.47 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 91.87 | 271.09 | 2,475.47 | -577.61 | -6,771.63 | 6,759.42 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 91.87 | 271.09 | 2,472.21 | -575.72 | -6,871.56 | 6,859.37 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 91.87 | 271.09 | 2,468.94 | -573.82 | -6,971.49 | 6,959.31 | 0.00 | 0.00 | 0.00 |



Database: EDM 5000.1.13 Single User Db Company: SILVERBACK EXPLORATION Project: EDDY COUNTY, NM (NAD 83 - NME)

 Site:
 River Rock

 Well:
 103H

 Wellbore:
 OH

 Design:
 Plan 1r0

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

North Reference: Survey Calculation Method: Well 103H

RKB = 16.2' @ 3509.10usft (TBD) RKB = 16.2' @ 3509.10usft (TBD)

Grid

Minimum Curvature

| ned Survey | | | | | | | | | |
|---|---|--|--|--|---|--|--------------------------------------|--|--------------------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,200.00 | 91.87 | 271.09 | 2,465.68 | -571.92 | -7,071.42 | 7,059.26 | 0.00 | 0.00 | 0.00 |
| 9,300.00 9,400.00 9,500.00 9,600.00 9,700.00 | 91.87 91.87 91.87 91.87 91.87 | 271.09 271.09 271.09 271.09 271.09 271.09 | 2,462.42 2,459.16 2,455.90 2,452.64 2,449.38 | -570.03 -568.13 -566.23 -564.34 -562.44 -560.54 | -7,171.35 -7,271.28 -7,371.20 -7,471.13 -7,571.06 | 7,159.21 7,259.15 7,359.10 7,459.05 7,558.99 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 9,800.00 9,900.00 10,000.00 10,100.00 10,200.00 | 91.87 91.87 91.87 91.87 | 271.09 271.09 271.09 271.09 271.09 | 2,446.12 2,442.85 2,439.59 2,436.33 2,433.07 | -560.54 -558.65 -556.75 -554.85 -552.95 | -7,670.99 -7,770.92 -7,870.85 -7,970.78 -8,070.71 | 7,658.94 7,758.89 7,858.83 7,958.78 8,058.73 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 10,300.00 10,400.00 10,500.00 10,600.00 10,700.00 | 91.87 91.87 91.87 91.87 91.87 | 271.09 271.09 271.09 271.09 271.09 | 2,429.81 2,426.55 2,423.29 2,420.03 2,416.76 | -551.06 -549.16 -547.26 -545.37 -543.47 | -8,170.63 -8,270.56 -8,370.49 -8,470.42 -8,570.35 | 8,158.67 8,258.62 8,358.57 8,458.51 8,558.46 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 10,800.00 10,900.00 11,000.00 11,100.00 11,149.64 | 91.87 91.87 91.87 91.87 91.87 | 271.09 271.09 271.09 271.09 271.09 | 2,413.50 2,410.24 2,406.98 2,403.72 2,402.10 | -541.57 -539.68 -537.78 -535.88 -534.94 | -8,670.28 -8,770.21 -8,870.14 -8,970.07 -9,019.67 | 8,658.41 8,758.35 8,858.30 8,958.25 9,007.86 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |

| Design Targets | | | | | | | | | |
|---|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|------------|--------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| RIVER ROCK 103H S - plan hits target ce - Point | 0.00 enter | 360.00 | 0.00 | 0.00 | 0.00 | 620,261.94 | 507,540.97 | 32.7050937 | -104.4432077 |
| RIVER ROCK 103H K - plan hits target ce - Point | 0.00 enter | 0.00 | 2,104.78 | -569.12 | -393.90 | 619,692.83 | 507,147.07 | 32.7035283 | -104.4444863 |
| RIVER ROCK 103H L - plan hits target ce - Point | 0.00 enter | 0.00 | 2,402.10 | -534.94 | -9,019.67 | 619,727.00 | 498,521.30 | 32.7035942 | -104.4725288 |
| RIVER ROCK 103H F - plan hits target ce - Point | 0.00 enter | 360.00 | 2,656.20 | -682.74 | -1,233.81 | 619,579.20 | 506,307.16 | 32.7032135 | -104.4472165 |

| Intent | τ | As Drill | led | | | | | | | | | | | |
|----------------|-------------|---|-------|-----------------|---------|------------------------------------|--------|-----|--------|------------|--------|---------|------------|--------------|
| API# | | |] | | | | | | | | | | | |
| Ope | rator Nar | | Prop | perty N | | Well Number | | | | | | | | |
| Kick C | Off Point (| (KOP) | | | | | | | | | | | | |
| UL | Section | Township | Feet | | From I | N/S | Feet | | From | n E/W | County | | | |
| Latitu | ıde | | | | Longitu | ude | | | | | | | NAD | |
| First 7 | Гаке Poin | nt (FTP) | | | | | | | | | | | | |
| UL | Section | Township | Range | Lot | Feet | | From I | N/S | Feet | | From | n E/W | County | |
| Latitu | ıde | | | | Longitu | Longitude NAD | | | | | | | | |
| Last T | ake Poin | it (LTP) | | | | | | | | | | | | |
| UL | Section | Township | Range | Lot | Feet | Feet From N/S Feet From E/W County | | | | | | ïу | | |
| Latitu | ıde | | | | Longitu | ude | | 1 | | | | NAD | | |
| Is this | s well an i | e defining w infill well? lease provi | | | | | _ | _ | vell n |] umber | for I | Definir | ng well fo | r Horizontal |
| | ng Unit. | |] | | • | | | | | | | | | |
| Operator Name: | | | | | | Property Name: | | | | | | | | Well Number |
| Estim | ated Fori | mation Top | ps | | | | | | | | | | | |
| Form | ation: | | Тор: | Top: Formation: | | | | | | Тор: | | | | |
| | | | | | | | | | | | | | | |
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