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 378435

| 3R                                                          | me and Address<br>Operating, LLC                        |                         |                                       |                         |                                                                      |                                        |                                                          |                                      |                   |          |                     | 2. OGR                              | ID Number<br>331569          |     |          |      |
|-------------------------------------------------------------|---------------------------------------------------------|-------------------------|---------------------------------------|-------------------------|----------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------|--------------------------------------|-------------------|----------|---------------------|-------------------------------------|------------------------------|-----|----------|------|
|                                                             | 05 State Highway                                        | 249                     |                                       |                         |                                                                      |                                        |                                                          |                                      |                   |          |                     | 3. API N                            |                              |     |          |      |
|                                                             | ıston, TX 77070                                         |                         |                                       |                         |                                                                      |                                        |                                                          |                                      |                   |          |                     |                                     | 30-015-55                    | 844 |          |      |
| 4. Property Co                                              | de<br>570                                               |                         | 5. Proper                             | rty Name<br>Steel Curta | in 6 21 Stat                                                         | to Com                                 |                                                          |                                      |                   |          |                     | 6. Well                             | No.<br>702H                  |     |          |      |
| 330                                                         | 370                                                     |                         |                                       | Oteel Curta             | III 0-3 1 3ta                                                        | ie Com                                 |                                                          |                                      |                   |          |                     |                                     | 70211                        |     |          |      |
|                                                             |                                                         |                         |                                       |                         |                                                                      | 7. Su                                  | rface Location                                           |                                      |                   |          |                     |                                     |                              |     |          |      |
| UL - Lot                                                    | Section                                                 | Township                |                                       | Range                   | Lot Id                                                               | ln                                     | Feet From                                                | N/S                                  | S Line            | Feet Fro |                     |                                     | E/W Line                     | С   | County   |      |
| 0                                                           | 6                                                       | 23                      | S                                     | 26E                     |                                                                      |                                        | 267                                                      |                                      | S                 |          | 1758                | 3                                   | E                            |     |          | Eddy |
|                                                             |                                                         |                         |                                       |                         | 8. Pi                                                                | ronosed                                | Bottom Hole Loc                                          | ation                                |                   |          |                     |                                     |                              |     |          |      |
| UL - Lot                                                    | Section                                                 | Township                | F                                     | Range                   | Lot Id                                                               |                                        | Feet From                                                |                                      | /S Line           | Feet Fr  | rom                 |                                     | E/W Line                     |     | County   |      |
| С                                                           | 31                                                      | 22                      | 2S                                    | 26E                     |                                                                      | С                                      | 330                                                      |                                      | N                 |          | 198                 | 0                                   | W                            |     | ,        | Eddy |
|                                                             |                                                         |                         |                                       |                         |                                                                      |                                        |                                                          |                                      |                   |          |                     |                                     |                              |     |          |      |
| PURPLE SAG                                                  | GE:WOLFCAMP (                                           | GAS)                    |                                       |                         |                                                                      | 9. Po                                  | ol Information                                           |                                      |                   |          |                     |                                     | 98220                        | )   |          |      |
| PURPLE SAG                                                  | GE;WOLFCAMP (C                                          | GAS)                    |                                       |                         |                                                                      |                                        |                                                          |                                      |                   |          |                     |                                     | 98220                        | )   |          |      |
|                                                             | GE;WOLFCAMP ((                                          |                         |                                       |                         |                                                                      | Addition                               | ol Information                                           |                                      |                   |          |                     |                                     |                              | )   |          |      |
| 11. Work Type                                               | ,                                                       | 12. Well Ty             |                                       |                         | 13. Cable/F                                                          | Addition                               |                                                          |                                      | ase Type          |          | 15. Gro             |                                     | vel Elevation                | )   |          |      |
| 11. Work Type<br>Nev                                        | GE;WOLFCAMP (0                                          | 12. Well Ty             | GAS                                   |                         | 13. Cable/F                                                          | <b>Addition</b><br>Rotary              |                                                          | 14. Lea:                             | State             |          |                     | 341                                 | vel Elevation                | )   |          |      |
| 11. Work Type<br>Nev<br>16. Multiple                        | ,                                                       | 12. Well Ty             | GAS<br>ed Depth                       |                         | 13. Cable/F                                                          | Additional Rotary                      | al Well Informatio                                       |                                      | State             |          |                     | 341<br>ud Date                      | vel Elevation                | )   |          |      |
| 11. Work Type<br>Nev<br>16. Multiple<br>N                   | v Well                                                  | 12. Well Ty             | GAS                                   |                         | 13. Cable/F                                                          | Additional<br>Rotary<br>ion<br>Wolfcam | al Well Informatio                                       | 14. Lea:                             | State             |          | 20. Spt             | 341<br>ud Date<br>8/2               | vel Elevation<br>6<br>1/2025 |     |          |      |
| 11. Work Type<br>Nev<br>16. Multiple<br>N                   | v Well                                                  | 12. Well Ty             | GAS<br>ed Depth                       |                         | 13. Cable/F                                                          | Additional<br>Rotary<br>ion<br>Wolfcam | al Well Informatio                                       | 14. Lea:                             | State             |          | 20. Spt             | 341<br>ud Date<br>8/2               | vel Elevation                |     |          |      |
| I1. Work Type<br>Nev<br>I6. Multiple<br>N<br>Depth to Grour | v Well                                                  | 12. Well Ty             | GAS<br>ed Depth<br>8605               | ed pits                 | 13. Cable/F                                                          | Additional<br>Rotary<br>ion<br>Wolfcam | al Well Informatio                                       | 14. Lea:                             | State             |          | 20. Spt             | 341<br>ud Date<br>8/2               | vel Elevation<br>6<br>1/2025 |     |          |      |
| 11. Work Type<br>Nev<br>16. Multiple<br>N<br>Depth to Grour | v Well                                                  | 12. Well Ty             | GAS<br>ed Depth<br>8605               | ed pits                 | 13. Cable/F                                                          | Additional<br>Rotary<br>ion<br>Wolfcam | al Well Information                                      | 14. Lea:                             | State<br>ntractor |          | 20. Spt             | 341<br>ud Date<br>8/2               | vel Elevation<br>6<br>1/2025 |     |          |      |
| 11. Work Type Nev 16. Multiple N Depth to Groun             | v Well  Id water  Jsing a closed-lo                     | 12. Well Ty             | GAS<br>ed Depth<br>8605<br>eu of line | <u> </u>                | 13. Cable/F  18. Formati  Distance fro  21. Prop                     | Additional Rotary ion Wolfcam meares   | al Well Information p I fresh water well sing and Cement | 14. Leas                             | State<br>ntractor |          | 20. Spu<br>Distance | 341<br>ud Date<br>8/2′<br>ce to nea | vel Elevation<br>6<br>1/2025 | ter |          |      |
| 11. Work Type Nev 16. Multiple N Depth to Groun             | v Well  Individual water  using a closed-log  Hole Size | 12. Well Ty 17. Proposi | GAS ed Depth 8605 eu of line          | <u> </u>                | 13. Cable/F  18. Formati  U  Distance fro  21. Prop  Casing Weig     | Additional Rotary ion Wolfcam meares   | p t fresh water well sing and Cement Settin              | 14. Leas  19. Con  t Progra          | State<br>ntractor | Sa       | 20. Spu<br>Distanc  | 341<br>ud Date<br>8/2′<br>ce to nea | vel Elevation<br>6<br>1/2025 | ter | stimated | тос  |
| 11. Work Type Nev 16. Multiple N Depth to Groun We will be  | v Well  Id water  using a closed-log  Hole Size  26     | 12. Well Ty 17. Proposi | GAS ed Depth 8605 eu of line g Size 0 | <u> </u>                | 13. Cable/F  18. Formati  V  Distance fro  21. Prop  Casing Weig  94 | Additional Rotary ion Wolfcam meares   | p t fresh water well sing and Cement Settin              | 14. Lease 19. Con  t Program g Depth | State<br>ntractor | Sa       | 20. Spu<br>Distanc  | 341<br>ud Date<br>8/27<br>ce to nea | vel Elevation<br>6<br>1/2025 | ter | 0        | тос  |
| 11. Work Type Nev 16. Multiple N Depth to Groun             | v Well  Individual water  using a closed-log  Hole Size | 12. Well Ty 17. Proposi | GAS ed Depth 8605 eu of line          | <u> </u>                | 13. Cable/F  18. Formati  U  Distance fro  21. Prop  Casing Weig     | Additional Rotary ion Wolfcam meares   | p p tresh water well sing and Cement Settin 4            | 14. Leas  19. Con  t Progra          | State<br>ntractor | Sa       | 20. Spu<br>Distanc  | 341<br>ud Date<br>8/27<br>ce to nea | vel Elevation<br>6<br>1/2025 | ter |          | тос  |

|         | 22. Proposed Blowout Prevention Program |               |              |  |  |  |  |  |  |
|---------|-----------------------------------------|---------------|--------------|--|--|--|--|--|--|
| Туре    | Working Pressure                        | Test Pressure | Manufacturer |  |  |  |  |  |  |
| Annular | 5000                                    | 5000          |              |  |  |  |  |  |  |

| knowledge and I | pelief.   have complied with 19.15.14.9 (A) | s true and complete to the best of my  NMAC ⊠ and/or 19.15.14.9 (B) NMAC |                   | OIL CONSERVAT              | ION DIVISION                |  |  |
|-----------------|---------------------------------------------|--------------------------------------------------------------------------|-------------------|----------------------------|-----------------------------|--|--|
| Printed Name:   | Electronically filed by Lauren Fra          | anco                                                                     | Approved By:      | Ward Rikala                |                             |  |  |
| Title:          |                                             |                                                                          | Title:            | Petroleum Specialist Super | visor                       |  |  |
| Email Address:  | Ifranco@3roperating.com                     |                                                                          | Approved Date:    | 12/12/2024                 | Expiration Date: 12/12/2026 |  |  |
| Date:           | 12/5/2024                                   | Phone: 432-413-4148                                                      | Conditions of App | proval Attached            | •                           |  |  |

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|---------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------|-------------------|----------------------|----------------------|
|                                       | electronically                                                                       |                                                                                                         |                                                                                            |                                                                                |                                                                 | w Mexico<br>il Resources Departmen<br>ON DIVISION                                    | t              |                   | R                    | evised July, 09 2024 |
| Via OC                                | D Permitting                                                                         |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                |                   | ☑ Initial Sub        | mittal               |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                | Submital<br>Type: | Amended 1            | Report               |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                | турс.             | ☐ As Drilled         |                      |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                | WELL LOCAT                                                      | ΓΙΟΝ INFORMATION                                                                     |                |                   |                      |                      |
| API Nu                                |                                                                                      |                                                                                                         | Pool Code                                                                                  | 3220                                                                           |                                                                 | Pool Name                                                                            | \A/ 16         | 1.0               | - \                  |                      |
| Propert                               |                                                                                      | 5-55844                                                                                                 | Property Na                                                                                |                                                                                |                                                                 | Purple Sag                                                                           | ge; Wolf       | camp (0           | ا as)<br>Well Number |                      |
| riopen                                | 3365                                                                                 | 570                                                                                                     | Froperty Na                                                                                |                                                                                | STEEL CURT                                                      | AIN 6-31 STATE CO                                                                    | М              |                   | 1                    | 702H                 |
| OGRIE                                 | No. 33156                                                                            |                                                                                                         | Operator N                                                                                 | ame                                                                            | 3R OPE                                                          | ERATING, LLC.                                                                        |                |                   | Ground Level         | Elevation            |
| Surface                               |                                                                                      | State Fee                                                                                               | Tribal □Fed                                                                                | leral                                                                          |                                                                 | Mineral Owner:                                                                       | State Fee [    | □Tribal □I        |                      | .,                   |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                |                   |                      |                      |
| UL                                    | Section                                                                              | Township                                                                                                | Range                                                                                      | Lot                                                                            | Surface<br>Ft. from N/S                                         | E Hole Location Ft. from E/W                                                         | Latitude       | I.                | ongitude             | County               |
| 0                                     | 6                                                                                    | 235                                                                                                     | 26E                                                                                        | 200                                                                            | 267 FSL                                                         | 1,758 FEL                                                                            | 32.326         |                   | 104.330074           | EDDY                 |
|                                       |                                                                                      | 233                                                                                                     | 200                                                                                        |                                                                                | 207 F3L                                                         | 1,756 FEL                                                                            | 32.320         | 300 -             | 104.330074           | EDDT                 |
| UL                                    | Section                                                                              | Township                                                                                                | Range                                                                                      | Lot                                                                            | Bottom<br>Ft. from N/S                                          | Hole Location Ft. from E/W                                                           | Latitude       | T                 | ongitude             | County               |
| C                                     | 31                                                                                   | 22S                                                                                                     | 26E                                                                                        | Lot                                                                            | 330 FNL                                                         | 1,980 FWL                                                                            | 32.354         |                   | 104.334207           | EDDY                 |
|                                       | 31                                                                                   | 223                                                                                                     | 200                                                                                        |                                                                                | 330 FNL                                                         | 1,960 FWL                                                                            | 32.354         | 624 -             | 104.334207           | EDDT                 |
|                                       | ted Acres<br>27.28                                                                   | Infill or Defir                                                                                         | ning Well                                                                                  | Defining                                                                       | Well API                                                        | Overlapping Spacing                                                                  | Unit (Y/N)     | Consolidation     | on Code              |                      |
|                                       | Numbers.                                                                             |                                                                                                         |                                                                                            |                                                                                |                                                                 | Well Setbacks are und                                                                | ler Common O   | wnership:         | □Yes □No             |                      |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                |                   |                      |                      |
| UL                                    | Section                                                                              | Township                                                                                                | Range                                                                                      | Lot                                                                            | Kick O                                                          | Off Point (KOP)  Ft. from E/W                                                        | Latitude       | l r               | anaituda             | County               |
|                                       |                                                                                      | 1                                                                                                       |                                                                                            | Lot                                                                            |                                                                 |                                                                                      |                |                   | ongitude             | ·                    |
| N                                     | 6                                                                                    | 23\$                                                                                                    | 26E                                                                                        |                                                                                | 230 FSL                                                         | 1,980 FWL                                                                            | 32.326         | 855 -1            | 104.334122           | EDDY                 |
| UL                                    | Section                                                                              | Township                                                                                                | Range                                                                                      | Lot                                                                            | Ft. from N/S                                                    | ake Point (FTP)  Ft. from E/W                                                        | Latitude       | ī                 | ongitude             | County               |
| N                                     | 6                                                                                    | 23\$                                                                                                    | 26E                                                                                        |                                                                                | 330 FSL                                                         | 1,980 FWL                                                                            | 32.327         |                   | 104.334122           | EDDY                 |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                | Last Ta                                                         | <br>ake Point (LTP)                                                                  |                |                   |                      |                      |
| UL                                    | Section                                                                              | Township                                                                                                | Range                                                                                      | Lot                                                                            | Ft. from N/S                                                    | Ft. from E/W                                                                         | Latitude       | L                 | ongitude             | County               |
| С                                     | 31                                                                                   | 228                                                                                                     | 26E                                                                                        |                                                                                | 330 FNL                                                         | 1,980 FWL                                                                            | 32.354         | 624 -1            | 104.334207           | EDDY                 |
|                                       |                                                                                      | 1                                                                                                       | 1                                                                                          |                                                                                | l.                                                              |                                                                                      | 1              |                   |                      |                      |
| Unitize                               | d Area of Are                                                                        | ea of Interest                                                                                          |                                                                                            | Spacing Ur                                                                     | nit Type : Horiz                                                | ontal  Vertical                                                                      | Grour          | d Elevation       | 3,416'               |                      |
| OPERA                                 | ATOR CERTI                                                                           | FICATIONS                                                                                               |                                                                                            |                                                                                |                                                                 | SURVEYOR CERTIFIC                                                                    | ATIONS         |                   |                      |                      |
| best of that this in the la at this l | my knowledge<br>s organization<br>and including<br>location pursi<br>ed mineral inte | e and belief, and<br>n either owns a v                                                                  | , if the well is<br>working intere.<br>ottom hole loca<br>ot with an own<br>tary pooling a | vertical or d<br>st or unlease<br>ution or has<br>er of a worki<br>greement or | ed mineral interest<br>a right to drill this<br>ing interest or | I hereby certify that the v<br>actual surveys made by n<br>correct to the best of my | ne or under my | supervision,      |                      | ne is true and       |
| received<br>unlease<br>which a        | d the consent<br>ed mineral into<br>any part of the                                  | ontal well, I furt,<br>of at least one le<br>erest in each tra<br>e well's complete<br>order from the d | essee or owner<br>ct (in the targe<br>ed interval will                                     | of a workin<br>et pool or inj                                                  | g interest or<br>formation) in                                  |                                                                                      |                | /                 |                      |                      |
| Signatu                               | ire                                                                                  |                                                                                                         | Date                                                                                       |                                                                                |                                                                 | Signature and Seal of Pro                                                            |                | eyor              | 11/7/2024            |                      |
| Printed                               | Name                                                                                 |                                                                                                         |                                                                                            |                                                                                |                                                                 | Certificate Number                                                                   |                | Survey            |                      |                      |
| Email A                               | Address                                                                              |                                                                                                         |                                                                                            |                                                                                |                                                                 |                                                                                      |                |                   |                      |                      |
|                                       |                                                                                      |                                                                                                         |                                                                                            |                                                                                |                                                                 | JP                                                                                   |                |                   | 618.04000            | 1.00-06              |

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

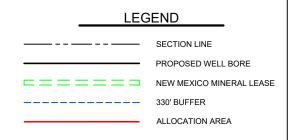
#### ACREAGE DEDICATION PLATS

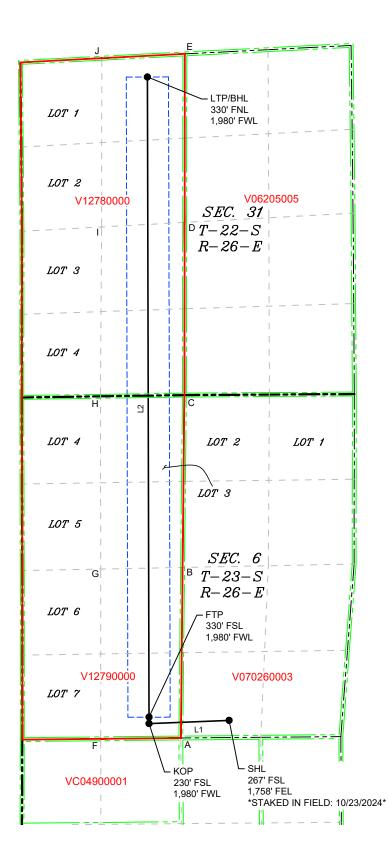
This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other then the First Take Point and Last Take Point) that is closest to any outer boundary of the tract.

Surveyor shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land in not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

| LINE TABLE |                     |           |  |  |  |  |  |  |
|------------|---------------------|-----------|--|--|--|--|--|--|
| LINE       | AZIMUTH             | LENGTH    |  |  |  |  |  |  |
| L1         | 267*46'34"          | 1,251.32  |  |  |  |  |  |  |
| L2         | 359 <b>°</b> 51'06" | 10,102.01 |  |  |  |  |  |  |

| LOT ACREAGE TABLE   |  |
|---------------------|--|
|                     |  |
| SECTION 31          |  |
| T-22-S R-26-E       |  |
| LOT 1 = 39.16 ACRES |  |
| LOT 2 = 38.69 ACRES |  |
| LOT 3 = 38.21 ACRES |  |
| LOT 4 = 37.74 ACRES |  |
|                     |  |
| SECTION 6           |  |
| T-23-S R-26-E       |  |
| LOT 3 = 40.07 ACRES |  |
| LOT 4 = 37.72 ACRES |  |
| LOT 5 = 38.14 ACRES |  |
| LOT 6 = 38.56 ACRES |  |
| LOT 7 = 38.99 ACRES |  |





|         | COORE        | )IN              | TE TABL            | .E           |      |  |  |  |
|---------|--------------|------------------|--------------------|--------------|------|--|--|--|
| SHL (N  | NAD 83 NME   | SHL (NAD 27 NME) |                    |              |      |  |  |  |
|         | 482,690.55   |                  | 482,632.09         |              |      |  |  |  |
| X =     | 542,344.27   |                  | X =                | 501,163.55   |      |  |  |  |
| LAT. =  | 32.326988    |                  | LAT. =             | 32.326872    |      |  |  |  |
| LONG. = | 104.330074   | °W               | LONG. =            | 104.329566   | °W   |  |  |  |
| KOP (   | NAD 83 NME   | Ξ)               | KOP (              | NAD 27 NME   | :)   |  |  |  |
|         | 482,641.99   |                  | Y =                | 482,583.56   | N    |  |  |  |
| X =     | 541,093.89   | Е                | X =                | 499,913.18   | Е    |  |  |  |
| LAT. =  | 32.326855    | °N               | LAT. =             | 32.326738    | °N   |  |  |  |
| LONG. = | 104.334122   | °W               | LONG. =            | 104.333614   | °W   |  |  |  |
| FTP (N  | NAD 83 NME   |                  | FTP (N             | IAD 27 NME   | )    |  |  |  |
| Y =     | 482,742.00   | Ν                | Y =                | 482,683.56   | Ν    |  |  |  |
| X =     | 541,093.89   | Е                | X =                | 499,913.19   | Е    |  |  |  |
| LAT. =  | 32.327130    | °N               | LAT. =             | 32.327013    | ٩N   |  |  |  |
| LONG. = | 104.334122   | °W               | LONG. =            | 104.333614   | °W   |  |  |  |
| LTP/BHL | _ (NAD 83 NI | VIE)             | LTP/BHL            | . (NAD 27 NI | VIE) |  |  |  |
| Y =     | 492,743.97   | N                | Y =                | 492,685.29   | Ν    |  |  |  |
| X =     | 541,067.74   | Е                | X =                | 499,887.21   | Ε    |  |  |  |
| LAT. =  |              |                  | LAT. =             | 32.354507    | °N   |  |  |  |
| LONG. = | 104.334207   | °W               | LONG. =            | 104.333699   | ٩W   |  |  |  |
| COR     | NER COOR     | DIN              | IATES (NAD 83 NME) |              |      |  |  |  |
| A - Y = | 482,416.96   |                  | A - X =            | 541,589.86   |      |  |  |  |
| B - Y = | 485,081.58   |                  | B - X =            | 541,617.40   |      |  |  |  |
| C - Y = | 487,774.23   |                  | C - X =            | 541,645.98   |      |  |  |  |
| D - Y = | 490,472.61   |                  | D - X =            | 541,649.42   |      |  |  |  |
| E - Y = | 493,104.78   |                  | E - X =            | 541,652.76   |      |  |  |  |
| F - Y = | 482,404.41   | Ν                | F - X =            | 540,339.28   | ш    |  |  |  |
| G - Y = | 485,056.26   |                  | G-X=               | 540,339.11   | ш    |  |  |  |
| H - Y = | 487,755.14   | Ν                | H - X =            | 540,335.23   |      |  |  |  |
| I - Y = | 490,401.74   | Z                | I - X =            | 540,352.68   | ш    |  |  |  |
| J - Y = | 493,037.49   | Z                | J - X =            | 540,356.11   | ш    |  |  |  |
|         | NER COOR     | DIN              | ATES (NA           | AD 27 NME)   |      |  |  |  |
| A - Y = | 482,358.52   | Z                | A - X =            | 500,409.15   | ш    |  |  |  |
| B - Y = | 485,023.08   | Z                | B - X =            | 500,436.73   | ш    |  |  |  |
| C - Y = | 487,715.66   | Ζ                | C - X =            | 500,465.36   | ш    |  |  |  |
| D - Y = | 490,413.97   | Ν                | D - X =            | 500,468.84   | Е    |  |  |  |
| E - Y = | 493,046.08   | Ν                | E - X =            | 500,472.24   | ш    |  |  |  |
| F - Y = | 482,346.00   |                  | F - X =            | 499,158.59   |      |  |  |  |
| G - Y = | 484,997.79   |                  | G - X =            | 499,158.46   |      |  |  |  |
| H-Y=    | 487,696.59   | N                | H - X =            | 499,154.62   | Е    |  |  |  |
| I - Y = | 490,343.13   |                  | I - X =            | 499,172.12   |      |  |  |  |
| J - Y = | 492,978.81   | N                | J - X =            | 499,175.60   | E    |  |  |  |

P 618.040001.00-06

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 APD Conditions

Permit 378435

#### PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number:                        |
|----------------------------|------------------------------------|
| 3R Operating, LLC [331569] | 30-015-55844                       |
| 20405 State Highway 249    | Well:                              |
| Houston, TX 77070          | Steel Curtain 6-31 State Com #702H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ward.rikala     | Notify the OCD 24 hours prior to casing & cement.                                                                                                                                                                                                                                                             |
| ward.rikala     | File As Drilled C-102 and a directional Survey with C-104 completion packet.                                                                                                                                                                                                                                  |
| 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 Cement Bond Log (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     | A [C-103] Sub. Drilling (C-103N) is required within (10) days of spud.                                                                                                                                                                                                                                        |
| ward.rikala     | Prior to production of this well a change to the well name/number is required to comply with the OCD well naming convention.                                                                                                                                                                                  |
| ward.rikala     | This well may or may not be within the Capitan Reef. If the Reef is encountered while drilling, drilling shall immediately cease and intermediate casing shall be ran and cemented back to surface. Once the Reef is fully penetrated, another intermediate string shall be ran and cemented back to surface. |
| ward.rikala     | Must submit NGMP in its' entirety.                                                                                                                                                                                                                                                                            |



### **3R Operating LLC**

Eddy County\_NM (N83-NME)
Steel Curtain 6-31
04\_Steel Curtain 6-31 State Com 702H - Slot 04\_Steel Curtain
702H

702H

Plan: APD-Rev01

### **Standard Planning Report**

26 November, 2024



TZ USA 17.2 Database:

Company: 3R Operating LLC

Eddy County\_NM (N83-NME) Project:

Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

702H Wellbore: APD-Rev01 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H 3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

Minimum Curvature

59.77

47,118.94277144

**Project** Eddy County\_NM (N83-NME)

US State Plane 1983 Map System: North American Datum 1983 Geo Datum:

Map Zone: New Mexico Eastern Zone

Mean Sea Level System Datum:

Site Steel Curtain 6-31

Northing: 482.689.83 usft 32.32698640 Site Position: Latitude: Easting: 542,254.34 usft -104.33036509 Мар Longitude: From:

Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 "

Well 04\_Steel Curtain 6-31 State Com 702H - Slot 04\_Steel Curtain 702H

IGRF2020

**Well Position** +N/-S 0.00 usft Northing: 482,690.55 usft Latitude: 32.32698837 +E/-W 0.00 usft 542,344.27 usft Longitude: -104.33007395 Easting:

**Position Uncertainty** 0.00 usft Wellhead Elevation: usft Ground Level: 3,416.00 usft

0.00° **Grid Convergence:** 

Wellbore 702H Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT)

6.50

11/26/2024

APD-Rev01 Design Audit Notes: PLAN 0.00 Version: Tie On Depth: Phase: Vertical Section: Depth From (TVD) +N/-S Direction +E/-W (usft) (usft) (usft) (°) 0.00 0.00 0.00 359.85

11/26/2024 **Plan Survey Tool Program** Date Depth To **Depth From** (usft) (usft) Survey (Wellbore) Tool Name Remarks 0.00 19,077.59 APD-Rev01 (702H) OWSG MWD Rev 5

OWSG MWD - Standard

| Plan Sections               |                    |                |                             |                 |                 |                               |                              |                             |            |                   |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|-------------------|
| Measured<br>Depth<br>(usft) | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Dogleg<br>Rate<br>(°/100usft) | Build<br>Rate<br>(°/100usft) | Turn<br>Rate<br>(°/100usft) | TFO<br>(°) | Target            |
| 0.00                        | 0.00               | 0.00           | 0.00                        | 0.00            | 0.00            | 0.00                          | 0.00                         | 0.00                        | 0.00       |                   |
| 2,000.00                    | 0.00               | 0.00           | 2,000.00                    | 0.00            | 0.00            | 0.00                          | 0.00                         | 0.00                        | 0.00       |                   |
| 2,615.85                    | 12.32              | 245.28         | 2,611.12                    | -27.57          | -59.90          | 2.00                          | 2.00                         | 0.00                        | 245.28     |                   |
| 8,124.71                    | 12.32              | 245.28         | 7,993.18                    | -518.93         | -1,127.39       | 0.00                          | 0.00                         | 0.00                        | 0.00       |                   |
| 9,075.59                    | 90.00              | 359.85         | 8,605.00                    | 51.45           | -1,250.38       | 10.00                         | 8.17                         | 12.05                       | 114.07     | 02-FTP(SCSC-702H) |
| 19,077.59                   | 90.00              | 359.85         | 8,605.00                    | 10,053.42       | -1,276.53       | 0.00                          | 0.00                         | 0.00                        | 0.00       | 03-PBHL(SCSC-702F |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)

Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H

3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| Jesign:                     | APD-Rev01          |                  |                             |                    |                    |                               |                               |                              |                             |
|-----------------------------|--------------------|------------------|-----------------------------|--------------------|--------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| 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) |
| 0.00                        | 0.00               | 0.00             | 0.00                        | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 100.00                      | 0.00               | 0.00             | 100.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 200.00<br>300.00            | 0.00<br>0.00       | 0.00<br>0.00     | 200.00<br>300.00            | 0.00<br>0.00       | 0.00<br>0.00       | 0.00<br>0.00                  | 0.00<br>0.00                  | 0.00<br>0.00                 | 0.00<br>0.00                |
| 400.00                      | 0.00               | 0.00             | 400.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 500.00                      | 0.00               | 0.00             | 500.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 600.00                      | 0.00               | 0.00             | 600.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 660.00                      | 0.00               | 0.00             | 660.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| Capitan                     |                    |                  |                             |                    |                    |                               |                               |                              |                             |
| 700.00                      | 0.00               | 0.00             | 700.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 800.00                      | 0.00               | 0.00             | 800.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 900.00                      | 0.00               | 0.00             | 900.00                      | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,000.00                    | 0.00               | 0.00             | 1,000.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,100.00                    | 0.00               | 0.00             | 1,100.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,200.00<br>1,300.00        | 0.00<br>0.00       | 0.00<br>0.00     | 1,200.00<br>1,300.00        | 0.00<br>0.00       | 0.00<br>0.00       | 0.00<br>0.00                  | 0.00<br>0.00                  | 0.00<br>0.00                 | 0.00<br>0.00                |
|                             |                    |                  |                             |                    |                    |                               |                               |                              |                             |
| 1,390.00                    | 0.00               | 0.00             | 1,390.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| <b>Lamar</b><br>1,400.00    | 0.00               | 0.00             | 1.400.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,500.00                    | 0.00               | 0.00             | 1,500.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,600.00                    | 0.00               | 0.00             | 1,600.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,635.00                    | 0.00               | 0.00             | 1,635.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| Delaware                    |                    |                  |                             |                    |                    |                               |                               |                              |                             |
| 1,700.00                    | 0.00               | 0.00             | 1,700.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,800.00                    | 0.00               | 0.00             | 1,800.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 1,900.00                    | 0.00               | 0.00             | 1,900.00                    | 0.00               | 0.00               | 0.00                          | 0.00                          | 0.00                         | 0.00                        |
| 2,000.00<br>2,100.00        | 0.00<br>2.00       | 0.00<br>245.28   | 2,000.00<br>2,099.98        | 0.00<br>-0.73      | 0.00<br>-1.59      | 0.00<br>-0.73                 | 0.00<br>2.00                  | 0.00<br>2.00                 | 0.00<br>0.00                |
|                             |                    |                  |                             |                    |                    |                               |                               |                              |                             |
| 2,200.00<br>2,300.00        | 4.00<br>6.00       | 245.28<br>245.28 | 2,199.84<br>2,299.45        | -2.92<br>-6.56     | -6.34<br>-14.26    | -2.90<br>-6.52                | 2.00<br>2.00                  | 2.00<br>2.00                 | 0.00<br>0.00                |
| 2,400.00                    | 8.00               | 245.28           | 2,398.70                    | -11.66             | -14.20             | -0.52<br>-11.59               | 2.00                          | 2.00                         | 0.00                        |
| 2,500.00                    | 10.00              | 245.28           | 2,497.47                    | -18.20             | -39.54             | -18.09                        | 2.00                          | 2.00                         | 0.00                        |
| 2,600.00                    | 12.00              | 245.28           | 2,595.62                    | -26.18             | -56.87             | -26.03                        | 2.00                          | 2.00                         | 0.00                        |
| 2,615.85                    | 12.32              | 245.28           | 2,611.12                    | -27.57             | -59.90             | -27.41                        | 2.00                          | 2.00                         | 0.00                        |
| 2,700.00                    | 12.32              | 245.28           | 2,693.33                    | -35.08             | -76.21             | -34.88                        | 0.00                          | 0.00                         | 0.00                        |
| 2,800.00                    | 12.32              | 245.28           | 2,791.03                    | -44.00             | -95.58             | -43.75                        | 0.00                          | 0.00                         | 0.00                        |
| 2,900.00                    | 12.32              | 245.28           | 2,888.73                    | -52.92             | -114.96            | -52.61                        | 0.00                          | 0.00                         | 0.00                        |
| 3,000.00                    | 12.32              | 245.28           | 2,986.43                    | -61.84             | -134.34            | -61.48                        | 0.00                          | 0.00                         | 0.00                        |
| 3,100.00                    | 12.32              | 245.28           | 3,084.12                    | -70.75             | -153.72            | -70.35                        | 0.00                          | 0.00                         | 0.00                        |
| 3,200.00<br>3,300.00        | 12.32<br>12.32     | 245.28<br>245.28 | 3,181.82<br>3,279.52        | -79.67<br>-88.59   | -173.09<br>-192.47 | -79.22<br>-88.09              | 0.00<br>0.00                  | 0.00<br>0.00                 | 0.00<br>0.00                |
| 3,400.00                    | 12.32              | 245.26<br>245.28 | 3,377.22                    | -00.59<br>-97.51   | -192.47<br>-211.85 | -00.09<br>-96.96              | 0.00                          | 0.00                         | 0.00                        |
| 3,500.00                    | 12.32              | 245.28           | 3,474.92                    | -106.43            | -231.23            | -105.83                       | 0.00                          | 0.00                         | 0.00                        |
| 3,600.00                    | 12.32              | 245.28           | 3,572.61                    | -115.35            | -250.61            | -114.70                       | 0.00                          | 0.00                         | 0.00                        |
| 3,700.00                    | 12.32              | 245.28           | 3,670.31                    | -124.27            | -269.98            | -123.56                       | 0.00                          | 0.00                         | 0.00                        |
| 3,800.00                    | 12.32              | 245.28           | 3,768.01                    | -133.19            | -289.36            | -132.43                       | 0.00                          | 0.00                         | 0.00                        |
| 3,900.00                    | 12.32              | 245.28           | 3,865.71                    | -142.11            | -308.74            | -141.30                       | 0.00                          | 0.00                         | 0.00                        |
| 4,000.00                    | 12.32              | 245.28           | 3,963.41                    | -151.03            | -328.12            | -150.17                       | 0.00                          | 0.00                         | 0.00                        |
| 4,100.00                    | 12.32              | 245.28           | 4,061.11                    | -159.95            | -347.49            | -159.04                       | 0.00                          | 0.00                         | 0.00                        |
| 4,200.00                    | 12.32              | 245.28           | 4,158.80                    | -168.87            | -366.87            | -167.91                       | 0.00                          | 0.00                         | 0.00                        |
| 4,300.00<br>4,400.00        | 12.32<br>12.32     | 245.28<br>245.28 | 4,256.50<br>4,354.20        | -177.79<br>-186.71 | -386.25<br>-405.63 | -176.78<br>-185.65            | 0.00<br>0.00                  | 0.00<br>0.00                 | 0.00<br>0.00                |
| 4,500.00                    | 12.32              | 245.26<br>245.28 | 4,354.20<br>4,451.90        | -100.71            | -405.63<br>-425.01 | -105.05<br>-194.51            | 0.00                          | 0.00                         | 0.00                        |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)
Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H 3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| esign:  |                                                                      | APD-Rev01                                 |                                                          |                                                                      |                                                                |                                                                    |                                                     |                                      |                                      |                                              |
|---------|----------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------|--------------------------------------|----------------------------------------------|
| Planned | d 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)                  |
|         | 4,600.00<br>4,700.00<br>4,800.00<br>4,900.00<br>4,979.13             | 12.32<br>12.32<br>12.32<br>12.32<br>12.32 | 245.28<br>245.28<br>245.28<br>245.28<br>245.28           | 4,549.60<br>4,647.30<br>4,744.99<br>4,842.69<br>4,920.00             | -204.55<br>-213.47<br>-222.39<br>-231.30<br>-238.36            | -444.38<br>-463.76<br>-483.14<br>-502.52<br>-517.85                | -203.38<br>-212.25<br>-221.12<br>-229.99<br>-237.01 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
|         | Bone Spring                                                          | 12.02                                     | 210.20                                                   | 1,020.00                                                             | 200.00                                                         | 017.00                                                             | 201.01                                              | 0.00                                 | 0.00                                 | 0.00                                         |
|         | 5,000.00<br>5,100.00<br>5,200.00<br>5,300.00<br>5,400.00<br>5,500.00 | 12.32<br>12.32<br>12.32<br>12.32<br>12.32 | 245.28<br>245.28<br>245.28<br>245.28<br>245.28<br>245.28 | 4,940.39<br>5,038.09<br>5,135.79<br>5,233.49<br>5,331.18<br>5,428.88 | -240.22<br>-249.14<br>-258.06<br>-266.98<br>-275.90            | -521.89<br>-541.27<br>-560.65<br>-580.03<br>-599.41<br>-618.78     | -238.86<br>-247.73<br>-256.59<br>-265.46<br>-274.33 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 |
|         | 5,600.00<br>5,700.00<br>5,800.00<br>5,849.16                         | 12.32<br>12.32<br>12.32<br>12.32          | 245.28<br>245.28<br>245.28<br>245.28                     | 5,526.58<br>5,624.28<br>5,721.98<br>5,770.00                         | -293.74<br>-302.66<br>-311.58<br>-315.96                       | -638.16<br>-657.54<br>-676.92<br>-686.44                           | -292.07<br>-300.94<br>-309.81<br>-314.17            | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00                 |
|         | 5,900.00<br>6,000.00<br>6,064.10<br>2nd Bone Sp                      | 12.32<br>12.32<br>12.32                   | 245.28<br>245.28<br>245.28                               | 5,819.67<br>5,917.37<br>5,980.00                                     | -320.50<br>-329.42<br>-335.14                                  | -696.29<br>-715.67<br>-728.09                                      | -318.68<br>-327.54<br>-333.23                       | 0.00<br>0.00<br>0.00                 | 0.00<br>0.00<br>0.00                 | 0.00<br>0.00<br>0.00                         |
|         | 6,100.00<br>6,200.00                                                 | 12.32<br>12.32<br>12.32                   | 245.28<br>245.28<br>245.28                               | 6,015.07<br>6,112.77                                                 | -338.34<br>-347.26<br>-356.13                                  | -735.05<br>-754.43                                                 | -336.41<br>-345.28<br>-354.11                       | 0.00<br>0.00<br>0.00                 | 0.00<br>0.00<br>0.00                 | 0.00<br>0.00<br>0.00                         |
|         | 6,299.52<br>2nd Bone Sp                                              |                                           | 245.28                                                   | 6,210.00                                                             | -350.13                                                        | -773.71                                                            | -354.11                                             | 0.00                                 | 0.00                                 | 0.00                                         |
|         | 6,300.00<br>6,400.00<br>6,500.00<br>6,524.70                         | 12.32<br>12.32<br>12.32<br>12.32          | 245.28<br>245.28<br>245.28<br>245.28                     | 6,210.47<br>6,308.17<br>6,405.86<br>6,430.00                         | -356.18<br>-365.10<br>-374.02<br>-376.22                       | -773.80<br>-793.18<br>-812.56<br>-817.35                           | -354.15<br>-363.02<br>-371.89<br>-374.08            | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00                 |
|         | 3rd Bone Spr                                                         | ing Carb                                  |                                                          |                                                                      |                                                                |                                                                    |                                                     |                                      |                                      |                                              |
|         | 6,600.00<br>6,700.00<br>6,800.00<br>6,900.00<br>7,000.00<br>7,100.00 | 12.32<br>12.32<br>12.32<br>12.32<br>12.32 | 245.28<br>245.28<br>245.28<br>245.28<br>245.28<br>245.28 | 6,503.56<br>6,601.26<br>6,698.96<br>6,796.66<br>6,894.36<br>6,992.05 | -382.94<br>-391.85<br>-400.77<br>-409.69<br>-418.61<br>-427.53 | -831.94<br>-851.32<br>-870.69<br>-890.07<br>-909.45                | -380.76<br>-389.62<br>-398.49<br>-407.36<br>-416.23 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 |
|         | 7,100.00<br>7,200.00<br>7,300.00<br>7,400.00<br>7,500.00             | 12.32<br>12.32<br>12.32<br>12.32<br>12.32 | 245.28<br>245.28<br>245.28<br>245.28<br>245.28           | 7,089.75<br>7,187.45<br>7,285.15<br>7,382.85<br>7,480.54             | -427.33<br>-436.45<br>-445.37<br>-454.29<br>-463.21<br>-472.13 | -926.63<br>-948.20<br>-967.58<br>-986.96<br>-1,006.34<br>-1,025.72 | -423.10<br>-433.97<br>-442.84<br>-451.71<br>-460.57 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00 | 0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
|         | 7,000.00<br>7,700.00<br>7,800.00<br>7,900.00<br>8,000.00             | 12.32<br>12.32<br>12.32<br>12.32<br>12.32 | 245.26<br>245.28<br>245.28<br>245.28<br>245.28           | 7,480.54<br>7,578.24<br>7,675.94<br>7,773.64<br>7,871.34             | -472.13<br>-481.05<br>-489.97<br>-498.89<br>-507.81            | -1,025.72<br>-1,045.09<br>-1,064.47<br>-1,083.85<br>-1,103.23      | -478.31<br>-487.18<br>-496.05<br>-504.92            | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00         | 0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
|         | 8,100.00<br>8,124.71                                                 | 12.32<br>12.32                            | 245.28<br>245.28                                         | 7,969.04<br>7,993.18                                                 | -516.73<br>-518.93                                             | -1,122.60<br>-1,127.39                                             | -513.79<br>-515.98                                  | 0.00<br>0.00                         | 0.00<br>0.00                         | 0.00<br>0.00                                 |
|         |                                                                      | ' MD/ -515.98' V                          |                                                          |                                                                      | 0.00                                                           | 1,121.00                                                           | 010.00                                              | 0.00                                 | 0.00                                 | 0.00                                         |
|         | 8,150.00<br>8,200.00<br>8,250.00                                     | 11.52<br>11.49<br>13.45                   | 256.93<br>282.20<br>303.69                               | 8,017.93<br>8,066.95<br>8,115.80                                     | -520.63<br>-520.71<br>-516.43                                  | -1,132.30<br>-1,142.04<br>-1,151.75                                | -517.66<br>-517.71<br>-513.41                       | 10.00<br>10.00<br>10.00              | -3.17<br>-0.05<br>3.91               | 46.04<br>50.54<br>43.00                      |
|         | 8,264.63                                                             | 14.30                                     | 308.66                                                   | 8,130.00                                                             | -514.35                                                        | -1,154.57                                                          | -511.33                                             | 10.00                                | 5.82                                 | 33.96                                        |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)

Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H

3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| Design: |                              | APD-Rev01          |                  |                             |                      |                        |                               |                               |                              |                             |  |  |  |  |  |
|---------|------------------------------|--------------------|------------------|-----------------------------|----------------------|------------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|--|--|--|--|--|
| lanned  | Survey                       |                    |                  |                             |                      |                        |                               |                               |                              |                             |  |  |  |  |  |
| ı       | 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) |  |  |  |  |  |
|         | 3rd Bone Spi                 | ring Sand          |                  |                             |                      |                        |                               |                               |                              |                             |  |  |  |  |  |
|         | 8,300.00                     | 16.70              | 318.41           | 8,164.09                    | -507.82              | -1,161.36              | -504.78                       | 10.00                         | 6.80                         | 27.56                       |  |  |  |  |  |
|         | 8,350.00                     | 20.65              | 328.05           | 8,211.46                    | -494.96              | -1,170.80              | -491.89                       | 10.00                         | 7.90                         | 19.29                       |  |  |  |  |  |
|         | 8,400.00                     | 24.96              | 334.60           | 8,257.54                    | -477.94              | -1,180.00              | -474.85                       | 10.00                         | 8.63                         | 13.10                       |  |  |  |  |  |
|         | 8,450.00                     | 29.48              | 339.29           | 8,302.00                    | -456.88              | -1,188.88              | -453.77                       | 10.00                         | 9.04                         | 9.37                        |  |  |  |  |  |
|         | 8,500.00                     | 34.13              | 342.81           | 8,344.48                    | -431.96              | -1,197.38              | -428.82                       | 10.00                         | 9.29                         | 7.05                        |  |  |  |  |  |
|         | 8,550.00                     | 38.85              | 345.58           | 8,384.67                    | -403.35              | -1,205.44              | -400.19                       | 10.00                         | 9.45                         | 5.53                        |  |  |  |  |  |
|         | 8,574.11                     | 41.15              | 346.72           | 8,403.14                    | -388.30              | -1,209.14              | -385.14                       | 10.00                         | 9.53                         | 4.72                        |  |  |  |  |  |
|         | 01-KOP(SCS                   |                    |                  | 5,122111                    |                      | .,                     |                               |                               |                              |                             |  |  |  |  |  |
|         | 8,600.00                     | 43.63              | 347.83           | 8,422.26                    | -371.28              | -1,212.99              | -368.10                       | 10.00                         | 9.57                         | 4.29                        |  |  |  |  |  |
|         | 8,650.00                     | 48.44              | 349.71           | 8,456.96                    | -335.99              | -1,219.97              | -332.80                       | 10.00                         | 9.63                         | 3.77                        |  |  |  |  |  |
|         |                              |                    |                  |                             |                      |                        |                               |                               |                              |                             |  |  |  |  |  |
|         | 8,700.00                     | 53.28<br>58.14     | 351.33<br>352.76 | 8,488.52                    | -297.75              | -1,226.34              | -294.54                       | 10.00                         | 9.68<br>9.72                 | 3.24<br>2.86                |  |  |  |  |  |
|         | 8,750.00<br>8,797.29         | 58.14<br>62.75     | 352.76<br>353.98 | 8,516.68<br>8,540.00        | -256.85<br>-216.00   | -1,232.03<br>-1,236.77 | -253.62<br>-212.76            | 10.00<br>10.00                | 9.72<br>9.75                 | 2.86<br>2.58                |  |  |  |  |  |
|         |                              |                    | 333.96           | 0,340.00                    | -210.00              | -1,230.77              | -212.70                       | 10.00                         | 9.75                         | 2.30                        |  |  |  |  |  |
|         | <b>Wolfcamp X</b> \ 8,800.00 | 63.01              | 354.05           | 8,541.24                    | -213.60              | -1.237.02              | -210.36                       | 10.00                         | 9.76                         | 2.46                        |  |  |  |  |  |
|         | 8,850.00                     | 67.90              | 355.22           | 8,562.00                    | -213.60<br>-168.33   | -1,237.02<br>-1,241.27 | -210.36<br>-165.08            | 10.00                         | 9.76<br>9.77                 | 2.46                        |  |  |  |  |  |
|         | 6,650.00                     |                    |                  | 0,302.00                    | -100.33              | -1,241.21              |                               | 10.00                         |                              |                             |  |  |  |  |  |
|         | 8,900.00                     | 72.79              | 356.32           | 8,578.82                    | -121.39              | -1,244.73              | -118.13                       | 10.00                         | 9.78                         | 2.20                        |  |  |  |  |  |
|         | 8,950.00                     | 77.69              | 357.37           | 8,591.55                    | -73.13               | -1,247.38              | -69.86                        | 10.00                         | 9.79                         | 2.08                        |  |  |  |  |  |
|         | 9,000.00                     | 82.59              | 358.37           | 8,600.12                    | -23.92               | -1,249.21              | -20.65                        | 10.00                         | 9.80                         | 2.01                        |  |  |  |  |  |
|         | 9,050.00                     | 87.49              | 359.35           | 8,604.44                    | 25.87                | -1,250.20              | 29.14                         | 10.00                         | 9.81                         | 1.96                        |  |  |  |  |  |
|         | 9,075.59                     | 90.00              | 359.85           | 8,605.00                    | 51.45                | -1,250.38              | 54.72                         | 10.00                         | 9.81                         | 1.95                        |  |  |  |  |  |
|         | EOC: 9075.59' MD/ 54.72      |                    | /8605.00' TVD -  | Wolfcamp XY T               | arget CL - 02-F      | TP(SCSC-702H           | l)                            |                               |                              |                             |  |  |  |  |  |
|         | 9,100.00                     | 90.00              | 359.85           | 8,605.00                    | 75.86                | -1,250.44              | 79.13                         | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,200.00                     | 90.00              | 359.85           | 8,605.00                    | 175.86               | -1,250.71              | 179.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,300.00                     | 90.00              | 359.85           | 8,605.00                    | 275.86               | -1,250.97              | 279.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,400.00                     | 90.00              | 359.85           | 8,605.00                    | 375.86               | -1,251.23              | 379.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,500.00                     | 90.00              | 359.85           | 8,605.00                    | 475.86               | -1,251.49              | 479.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,600.00                     | 90.00              | 359.85           | 8,605.00                    | 575.86               | -1,251.75              | 579.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,700.00                     | 90.00              | 359.85           | 8,605.00                    | 675.86               | -1,252.01              | 679.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,800.00                     | 90.00              | 359.85           | 8,605.00                    | 775.86               | -1,252.27              | 779.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 9,900.00                     | 90.00              | 359.85           | 8,605.00                    | 875.86               | -1,252.54              | 879.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,000.00                    | 90.00              | 359.85           | 8,605.00                    | 975.86               | -1,252.80              | 979.13                        | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         |                              |                    |                  |                             |                      | ,                      |                               |                               |                              |                             |  |  |  |  |  |
|         | 10,100.00                    | 90.00              | 359.85           | 8,605.00                    | 1,075.86             | -1,253.06              | 1,079.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,200.00                    | 90.00              | 359.85           | 8,605.00                    | 1,175.86             | -1,253.32              | 1,179.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,300.00<br>10,400.00       | 90.00              | 359.85           | 8,605.00                    | 1,275.86             | -1,253.58              | 1,279.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,400.00                    | 90.00<br>90.00     | 359.85<br>359.85 | 8,605.00<br>8,605.00        | 1,375.86<br>1,475.86 | -1,253.84<br>-1,254.10 | 1,379.13<br>1,479.13          | 0.00<br>0.00                  | 0.00<br>0.00                 | 0.00<br>0.00                |  |  |  |  |  |
|         |                              |                    |                  |                             |                      |                        |                               |                               |                              |                             |  |  |  |  |  |
|         | 10,600.00                    | 90.00              | 359.85           | 8,605.00                    | 1,575.86             | -1,254.37              | 1,579.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,700.00                    | 90.00              | 359.85           | 8,605.00                    | 1,675.86             | -1,254.63              | 1,679.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,800.00                    | 90.00              | 359.85           | 8,605.00                    | 1,775.86             | -1,254.89              | 1,779.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 10,900.00                    | 90.00              | 359.85           | 8,605.00                    | 1,875.86             | -1,255.15              | 1,879.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,000.00                    | 90.00              | 359.85           | 8,605.00                    | 1,975.85             | -1,255.41              | 1,979.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,100.00                    | 90.00              | 359.85           | 8,605.00                    | 2,075.85             | -1,255.67              | 2,079.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,200.00                    | 90.00              | 359.85           | 8,605.00                    | 2,175.85             | -1,255.93              | 2,179.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,300.00                    | 90.00              | 359.85           | 8,605.00                    | 2,275.85             | -1,256.20              | 2,279.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,400.00                    | 90.00              | 359.85           | 8,605.00                    | 2,375.85             | -1,256.46              | 2,379.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,500.00                    | 90.00              | 359.85           | 8,605.00                    | 2,475.85             | -1,256.72              | 2,479.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,600.00                    | 90.00              | 359.85           | 8,605.00                    | 2,575.85             | -1,256.98              | 2,579.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,700.00                    | 90.00              | 359.85           | 8,605.00                    | 2,675.85             | -1,257.24              | 2,679.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,800.00                    | 90.00              | 359.85           | 8,605.00                    | 2,775.85             | -1,257.50              | 2,779.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 11,900.00                    | 90.00              | 359.85           | 8,605.00                    | 2,875.85             | -1,257.76              | 2,879.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |
|         | 12,000.00                    | 90.00              | 359.85           | 8,605.00                    | 2,975.85             | -1,258.03              | 2,979.13                      | 0.00                          | 0.00                         | 0.00                        |  |  |  |  |  |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)
Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H

3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| Design:           | APD-Rev01   |         |                   |          |           |                     |                |               |              |
|-------------------|-------------|---------|-------------------|----------|-----------|---------------------|----------------|---------------|--------------|
| Planned Survey    |             |         |                   |          |           |                     |                |               |              |
|                   |             |         |                   |          |           |                     |                |               |              |
| Measured<br>Depth | Inclination | Azimuth | Vertical<br>Depth | +N/-S    | +E/-W     | Vertical<br>Section | Dogleg<br>Rate | Build<br>Rate | Turn<br>Rate |
| (usft)            | (°)         | (°)     | (usft)            | (usft)   | (usft)    | (usft)              | (°/100usft)    | (°/100usft)   | (°/100usft)  |
| 12,100.00         | 90.00       | 359.85  | 8,605.00          | 3,075.85 | -1,258.29 | 3,079.13            | 0.00           | 0.00          | 0.00         |
| 12,200.00         | 90.00       | 359.85  | 8,605.00          | 3,175.85 | -1,258.55 | 3,179.13            | 0.00           | 0.00          | 0.00         |
| 12,300.00         | 90.00       | 359.85  | 8,605.00          | 3,275.85 | -1,258.81 | 3,279.13            | 0.00           | 0.00          | 0.00         |
| 12,400.00         | 90.00       | 359.85  | 8,605.00          | 3,375.85 | -1,259.07 | 3,379.13            | 0.00           | 0.00          | 0.00         |
| 12,500.00         | 90.00       | 359.85  | 8,605.00          | 3,475.85 | -1,259.33 | 3,479.13            | 0.00           | 0.00          | 0.00         |
| 12,600.00         | 90.00       | 359.85  | 8,605.00          | 3,575.85 | -1,259.59 | 3,579.13            | 0.00           | 0.00          | 0.00         |
| 12,700.00         | 90.00       | 359.85  | 8,605.00          | 3,675.85 | -1,259.86 | 3,679.13            | 0.00           | 0.00          | 0.00         |
| 12,800.00         | 90.00       | 359.85  | 8,605.00          | 3,775.85 | -1,259.60 | 3,779.13            | 0.00           | 0.00          | 0.00         |
| 12,900.00         | 90.00       | 359.85  | 8,605.00          | 3,875.85 | -1,260.12 | 3,879.13            | 0.00           | 0.00          | 0.00         |
| 13,000.00         | 90.00       | 359.85  | 8,605.00          | 3,975.85 | -1,260.64 | 3,979.13            | 0.00           | 0.00          | 0.00         |
|                   |             |         |                   |          |           |                     |                |               |              |
| 13,100.00         | 90.00       | 359.85  | 8,605.00          | 4,075.85 | -1,260.90 | 4,079.13            | 0.00           | 0.00          | 0.00         |
| 13,200.00         | 90.00       | 359.85  | 8,605.00          | 4,175.85 | -1,261.16 | 4,179.13            | 0.00           | 0.00          | 0.00         |
| 13,300.00         | 90.00       | 359.85  | 8,605.00          | 4,275.85 | -1,261.42 | 4,279.13            | 0.00           | 0.00          | 0.00         |
| 13,400.00         | 90.00       | 359.85  | 8,605.00          | 4,375.85 | -1,261.69 | 4,379.13            | 0.00           | 0.00          | 0.00         |
| 13,500.00         | 90.00       | 359.85  | 8,605.00          | 4,475.85 | -1,261.95 | 4,479.13            | 0.00           | 0.00          | 0.00         |
| 13,600.00         | 90.00       | 359.85  | 8.605.00          | 4,575.85 | -1,262.21 | 4,579.13            | 0.00           | 0.00          | 0.00         |
| 13,700.00         | 90.00       | 359.85  | 8,605.00          | 4,675.85 | -1,262.47 | 4,679.13            | 0.00           | 0.00          | 0.00         |
| 13,800.00         | 90.00       | 359.85  | 8,605.00          | 4,775.85 | -1,262.73 | 4,779.13            | 0.00           | 0.00          | 0.00         |
| 13,900.00         | 90.00       | 359.85  | 8,605.00          | 4,875.84 | -1,262.99 | 4,879.13            | 0.00           | 0.00          | 0.00         |
| 14,000.00         | 90.00       | 359.85  | 8,605.00          | 4,975.84 | -1,263.25 | 4,979.13            | 0.00           | 0.00          | 0.00         |
|                   |             |         |                   |          | ,         | *                   |                |               |              |
| 14,100.00         | 90.00       | 359.85  | 8,605.00          | 5,075.84 | -1,263.52 | 5,079.13            | 0.00           | 0.00          | 0.00         |
| 14,200.00         | 90.00       | 359.85  | 8,605.00          | 5,175.84 | -1,263.78 | 5,179.13            | 0.00           | 0.00          | 0.00         |
| 14,300.00         | 90.00       | 359.85  | 8,605.00          | 5,275.84 | -1,264.04 | 5,279.13            | 0.00           | 0.00          | 0.00         |
| 14,400.00         | 90.00       | 359.85  | 8,605.00          | 5,375.84 | -1,264.30 | 5,379.13            | 0.00           | 0.00          | 0.00         |
| 14,500.00         | 90.00       | 359.85  | 8,605.00          | 5,475.84 | -1,264.56 | 5,479.13            | 0.00           | 0.00          | 0.00         |
| 14,600.00         | 90.00       | 359.85  | 8,605.00          | 5,575.84 | -1,264.82 | 5,579.13            | 0.00           | 0.00          | 0.00         |
| 14,700.00         | 90.00       | 359.85  | 8,605.00          | 5,675.84 | -1,265.08 | 5,679.13            | 0.00           | 0.00          | 0.00         |
| 14,800.00         | 90.00       | 359.85  | 8,605.00          | 5,775.84 | -1,265.35 | 5,779.13            | 0.00           | 0.00          | 0.00         |
| 14,900.00         | 90.00       | 359.85  | 8,605.00          | 5,875.84 | -1,265.61 | 5,879.13            | 0.00           | 0.00          | 0.00         |
| 15,000.00         | 90.00       | 359.85  | 8,605.00          | 5,975.84 | -1,265.87 | 5,979.13            | 0.00           | 0.00          | 0.00         |
|                   |             |         |                   |          |           |                     |                |               |              |
| 15,100.00         | 90.00       | 359.85  | 8,605.00          | 6,075.84 | -1,266.13 | 6,079.13            | 0.00           | 0.00          | 0.00         |
| 15,200.00         | 90.00       | 359.85  | 8,605.00          | 6,175.84 | -1,266.39 | 6,179.13            | 0.00           | 0.00          | 0.00         |
| 15,300.00         | 90.00       | 359.85  | 8,605.00          | 6,275.84 | -1,266.65 | 6,279.13            | 0.00           | 0.00          | 0.00         |
| 15,400.00         | 90.00       | 359.85  | 8,605.00          | 6,375.84 | -1,266.92 | 6,379.13            | 0.00           | 0.00          | 0.00         |
| 15,500.00         | 90.00       | 359.85  | 8,605.00          | 6,475.84 | -1,267.18 | 6,479.13            | 0.00           | 0.00          | 0.00         |
| 15,600.00         | 90.00       | 359.85  | 8,605.00          | 6,575.84 | -1,267.44 | 6,579.13            | 0.00           | 0.00          | 0.00         |
| 15,700.00         | 90.00       | 359.85  | 8,605.00          | 6,675.84 | -1,267.70 | 6,679.13            | 0.00           | 0.00          | 0.00         |
| 15,800.00         | 90.00       | 359.85  | 8,605.00          | 6,775.84 | -1,267.96 | 6,779.13            | 0.00           | 0.00          | 0.00         |
| 15,900.00         | 90.00       | 359.85  | 8,605.00          | 6,875.84 | -1,268.22 | 6,879.13            | 0.00           | 0.00          | 0.00         |
| 16,000.00         | 90.00       | 359.85  | 8,605.00          | 6,975.84 | -1,268.48 | 6,979.13            | 0.00           | 0.00          | 0.00         |
| 16,100.00         | 90.00       | 359.85  | 8,605.00          | 7,075.84 | -1,268.75 | 7,079.13            | 0.00           | 0.00          | 0.00         |
| 16,200.00         | 90.00       | 359.85  | 8,605.00          | 7,175.84 | -1,269.01 | 7,079.13            | 0.00           | 0.00          | 0.00         |
| 16,300.00         | 90.00       | 359.85  | 8,605.00          | 7,175.84 | -1,269.01 | 7,179.13            | 0.00           | 0.00          | 0.00         |
| 16,400.00         | 90.00       | 359.85  | 8,605.00          | 7,375.84 | -1,269.53 | 7,379.13            | 0.00           | 0.00          | 0.00         |
| 16,500.00         | 90.00       | 359.85  | 8,605.00          | 7,475.84 | -1,269.79 | 7,479.13            | 0.00           | 0.00          | 0.00         |
|                   |             |         |                   |          |           |                     |                |               |              |
| 16,600.00         | 90.00       | 359.85  | 8,605.00          | 7,575.84 | -1,270.05 | 7,579.13            | 0.00           | 0.00          | 0.00         |
| 16,700.00         | 90.00       | 359.85  | 8,605.00          | 7,675.84 | -1,270.31 | 7,679.13            | 0.00           | 0.00          | 0.00         |
| 16,800.00         | 90.00       | 359.85  | 8,605.00          | 7,775.84 | -1,270.58 | 7,779.13            | 0.00           | 0.00          | 0.00         |
| 16,900.00         | 90.00       | 359.85  | 8,605.00          | 7,875.83 | -1,270.84 | 7,879.13            | 0.00           | 0.00          | 0.00         |
| 17,000.00         | 90.00       | 359.85  | 8,605.00          | 7,975.83 | -1,271.10 | 7,979.13            | 0.00           | 0.00          | 0.00         |
| 17,100.00         | 90.00       | 359.85  | 8,605.00          | 8,075.83 | -1,271.36 | 8,079.13            | 0.00           | 0.00          | 0.00         |
| 17,200.00         | 90.00       | 359.85  | 8,605.00          | 8,175.83 | -1,271.62 | 8,179.13            | 0.00           | 0.00          | 0.00         |
| 17,300.00         | 90.00       | 359.85  | 8,605.00          | 8,275.83 | -1,271.88 | 8,279.13            | 0.00           | 0.00          | 0.00         |
| 17,000.00         | 30.00       | 500.00  | 5,500.00          | 0,2,0.00 | 1,211.00  | 5,210.10            | 0.00           | 0.00          | 0.00         |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)

Site: Steel Curtain 6-31
Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

**Survey Calculation Method:** 

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H 3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| ned 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) |
| 17,400.00                   | 90.00              | 359.85         | 8,605.00                    | 8,375.83        | -1,272.14       | 8,379.13                      | 0.00                          | 0.00                         | 0.00                        |
| 17,500.00                   | 90.00              | 359.85         | 8,605.00                    | 8,475.83        | -1,272.41       | 8,479.13                      | 0.00                          | 0.00                         | 0.00                        |
| 17.600.00                   | 90.00              | 359.85         | 8.605.00                    | 8,575.83        | -1.272.67       | 8.579.13                      | 0.00                          | 0.00                         | 0.00                        |
| 17,700.00                   | 90.00              | 359.85         | 8,605.00                    | 8,675.83        | -1,272.93       | 8,679.13                      | 0.00                          | 0.00                         | 0.00                        |
| 17,800.00                   | 90.00              | 359.85         | 8,605.00                    | 8,775.83        | -1,273.19       | 8,779.13                      | 0.00                          | 0.00                         | 0.00                        |
| 17,900.00                   | 90.00              | 359.85         | 8,605.00                    | 8,875.83        | -1,273.45       | 8,879.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,000.00                   | 90.00              | 359.85         | 8,605.00                    | 8,975.83        | -1,273.71       | 8,979.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,100.00                   | 90.00              | 359.85         | 8,605.00                    | 9,075.83        | -1,273.97       | 9,079.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,200.00                   | 90.00              | 359.85         | 8,605.00                    | 9,175.83        | -1,274.24       | 9,179.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,300.00                   | 90.00              | 359.85         | 8,605.00                    | 9,275.83        | -1,274.50       | 9,279.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,400.00                   | 90.00              | 359.85         | 8,605.00                    | 9,375.83        | -1,274.76       | 9,379.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,500.00                   | 90.00              | 359.85         | 8,605.00                    | 9,475.83        | -1,275.02       | 9,479.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,600.00                   | 90.00              | 359.85         | 8,605.00                    | 9,575.83        | -1,275.28       | 9,579.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,700.00                   | 90.00              | 359.85         | 8,605.00                    | 9,675.83        | -1,275.54       | 9,679.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,800.00                   | 90.00              | 359.85         | 8,605.00                    | 9,775.83        | -1,275.80       | 9,779.13                      | 0.00                          | 0.00                         | 0.00                        |
| 18,900.00                   | 90.00              | 359.85         | 8,605.00                    | 9,875.83        | -1,276.07       | 9,879.13                      | 0.00                          | 0.00                         | 0.00                        |
| 19,000.00                   | 90.00              | 359.85         | 8,605.00                    | 9,975.83        | -1,276.33       | 9,979.13                      | 0.00                          | 0.00                         | 0.00                        |
| 19,077.59                   | 90.00              | 359.85         | 8,605.00                    | 10,053.42       | -1,276.53       | 10,056.72                     | 0.00                          | 0.00                         | 0.00                        |
| TD: 19077.59                | 9' MD/ 10056.72'   | VS/8605.00' TV | D - 03-PBHL(SC              | SC-702H)        |                 |                               |                               |                              |                             |

| Design Targets                                   |                         |                      |                           |                         |                             |                           |                   |             |               |
|--------------------------------------------------|-------------------------|----------------------|---------------------------|-------------------------|-----------------------------|---------------------------|-------------------|-------------|---------------|
| Target Name - hit/miss target - 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     |
| 01-KOP(SCSC-702H) - plan misses targe - Point    | 0.00<br>t center by 453 | 0.01<br>90usft at 85 | 8,105.00<br>664.10usft MI | -48.56<br>D (8395.55 T\ | -1,250.38<br>/D, -394.65 N, | 482,641.99<br>-1207.62 E) | 541,093.89        | 32.32685492 | -104.33412202 |
| 02-FTP(SCSC-702H) - plan hits target ce - Point  | 0.00<br>enter           | 0.01                 | 8,605.00                  | 51.45                   | -1,250.38                   | 482,742.00                | 541,093.89        | 32.32712984 | -104.33412202 |
| 03-PBHL(SCSC-702H) - plan hits target ce - Point | 0.00<br>enter           | 0.01                 | 8,605.00                  | 10,053.42               | -1,276.53                   | 492,743.97                | 541,067.74        | 32.35462381 | -104.33420694 |



Database: TZ USA 17.2

Company: 3R Operating LLC

Project: Eddy County\_NM (N83-NME)

Site: Steel Curtain 6-31

Well: 04\_Steel Curtain 6-31 State Com 702H

Wellbore: 702H
Design: APD-Rev01

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 04\_Steel Curtain 6-31 State Com 702H -

Slot 04\_Steel Curtain 702H 3416+25 @ 3441.00usft 3416+25 @ 3441.00usft

Grid

| Formations |                             |                             |                       |           |            |                         |  |
|------------|-----------------------------|-----------------------------|-----------------------|-----------|------------|-------------------------|--|
|            | Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name                  | Lithology | Dip<br>(°) | Dip<br>Direction<br>(°) |  |
|            | 660.00                      | 660.00                      | Capitan               |           |            |                         |  |
|            | 1,390.00                    | 1,390.00                    | Lamar                 |           |            |                         |  |
|            | 1,635.00                    | 1,635.00                    | Delaware              |           |            |                         |  |
|            | 4,979.13                    | 4,920.00                    | Bone Spring           |           |            |                         |  |
|            | 5,849.16                    | 5,770.00                    | 1st Bone Spring Sand  |           |            |                         |  |
|            | 6,064.10                    | 5,980.00                    | 2nd Bone Spring Carb  |           |            |                         |  |
|            | 6,299.52                    | 6,210.00                    | 2nd Bone Spring Sand  |           |            |                         |  |
|            | 6,524.70                    | 6,430.00                    | 3rd Bone Spring Carb  |           |            |                         |  |
|            | 8,264.63                    | 8,130.00                    | 3rd Bone Spring Sand  |           |            |                         |  |
|            | 8,797.29                    | 8,540.00                    | Wolfcamp XY*          |           |            |                         |  |
|            | 9,075.59                    | 8,605.00                    | Wolfcamp XY Target CL |           |            |                         |  |

| Plan Annotations   |                            |                                  |                               |                                     |                                                                                                                                       |
|--------------------|----------------------------|----------------------------------|-------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Meas<br>Dep<br>(us | pth                        | Vertical<br>Depth<br>(usft)      | Local Coor<br>+N/-S<br>(usft) | dinates<br>+E/-W<br>(usft)          | Comment                                                                                                                               |
| 9,0                | 124.71<br>075.59<br>077.59 | 7,993.18<br>8,605.00<br>8,605.00 | -518.93<br>51.45<br>10,053.42 | -1,127.39<br>-1,250.38<br>-1,276.53 | KOP: 8124.71' MD/ -515.98' VS/7993.18' TVD<br>EOC: 9075.59' MD/ 54.72' VS/8605.00' TVD<br>TD: 19077.59' MD/ 10056.72' VS/8605.00' TVD |

# **3R Operating, LLC Ridge Runner Resources, LLC**

1004 N . Big Spring St., Suite 325

Midland, TX 79701

H2S Contingency Plan Eddy County, NM

#### **Escape**

Crews shall escape upwind of escaping gas in the event of an emergency release of gas. Escape can be facilitated from the location entrance road. Crew should then block entrance to the location from the lease road so as not to allow anyone traversing into a hazardous area. The blockade should be at a safe distance outside of the ROE. There are NO homes or buildings in or near the ROE.

#### Assumed 100 ppm ROE = 3000' 100 ppm H2S concentration shall trigger activation of this plan

#### **Emergency Procedures**

In the event of a release of gas containing H2S, the first responder(s) must:

- « Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- « Evacuate any public places encompassed by the 100 ppm ROE.
- « Be equipped with H2S monitors and air packs in order to control the release.
- « Use the "buddy system" to ensure no injuries occur during the response.
- « Take precautions to avoid personal injury during this operation.
- « Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- « Have received training

in the: Detection of

H2S, and

Measures for protection against the gas,

Equipment used for protection and emergency response.

#### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (S02). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally, the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever there is an ignition of the gas.

#### Characteristics of H2S and SO,

| Common              | Chemical | Specific    | Threshold | Hazardous  | Lethal        |
|---------------------|----------|-------------|-----------|------------|---------------|
| Name                | Formula  | Gravity     | Limit     | Limit      | Concentration |
| Hydrogen<br>Sulfide | H2S      | 1.189 Air=1 | 10 ppm    | 100 ppm/hr | 600 ppm       |
| Sulfur Dioxide      | SO2      | 2.21 Air=1  | 2 ppm     | N/A        | 1000 ppm      |

#### **Contacting Authorities**

3 Bear Field Services personnel must liaise with local and state agencies to ensure **a** proper response to a major release. Additionally, the OCD must be notified of the release as soon **as** possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to sit e. The following call list of essential and potential responders has been prepared for use during a release. 3 Bear Field Services, LLC response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMERP).

#### **Hydrogen Sulfide Drilling Operations Plan**

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:
  - A. Characteristics of H2S
  - B. Physical effects and hazards
  - C. Principal and operation of H2S detectors, warning system and briefing areas.
  - D. Evacuation procedure, routes and first aid.
  - E. Proper use of safety equipment & life support systems
  - F. Essential personnel meeting Medical Evaluation criteria will receive additional training on the proper use of 30-minute pressure demand air packs.

#### 2. H2S Detection and Alarm Systems:

- a. H2S sensors/detectors to be located on the drilling rig floor, in the base of the sub structure/cellar area, on the mud pits in the shale shaker area. Additional H2S detectors may play placed as deemed necessary.
- b. An audio alarm system will be installed on the derrick floor and in the top doghouse.

#### 3. Windsock and/or wind streamers:

- a. Windsock at mudpit area should be high enough to be visible.
- b. Windsock on the rig floor and/ or top doghouse should be high enough to be visible.

#### 4. Condition Flags and Signs

- a. Warning sign on access road to location.
- Flags to be displayed on sign at entrance to location. Green flag indicates normal safe condition. Yellow flag indicates potential pressure and danger. Red flag indicates danger (H2S present in dangerous concentration). Only H2S trained and certified personnel

admitted to location.

#### 5. Well control equipment:

a. See exhibit BOP and Choke Diagrams

#### 6. Communication:

- a. While working under masks chalkboards will be used for communication.
- b. Hand signals will be used where chalk board is inappropriate.
- c. Two-way radio will be used to communicate off location in case of emergency help is required. In most cases, cellular telephones will be available at most drilling foreman's trailer or living quarters.

#### 7. <u>Drill stem Testing</u>:

No DSTs are planned at this time.

- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.
- 9. If H25 is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas separator will be brought into service along with H2S scavengers if necessary.

#### **Emergency Assistance Telephone List**

#### Ridge Runner Resources, LLC

| Ridge Runner Resources, LLC | Office: | (432)686-2973 |
|-----------------------------|---------|---------------|
| CEO-Brian Cassens           | Office: | (817)953-0480 |
|                             |         |               |

Drilling Superintendent-Russell Simons Cell: (830)285-7501 Production Superintendent-Paul Martinez Cell: (325)206-1722

#### **Public Safety Numbers**

| Eddy County Sheriff's Department    | Number: | 575-887-7551 |
|-------------------------------------|---------|--------------|
| Eddy County Fire & Rescue           | Number: | 575-628-5450 |
| Carlsbad Police Department          | Number: | 575-885-2111 |
| Carlsbad Fire Department            | Number: | 575-885-3125 |
| Hospital – Carlsbad Medical Center  | Number: | 575-887-4100 |
| Trans Aero Medevac                  | Number: | 844-435-4911 |
| NMDOT District 2 – Roswell          | Number: | 575-840-3035 |
| NM OCD Dist. 2 – Artesia            | Number: | 575-626-0830 |
| BLM Pecos District Office – Roswell | Number: | 575-627-0272 |
| BLM Carlsbad Field Office           | Number: | 575-234-5972 |
| BLM Hobbs Field Station             | Number: | 575-393-3612 |
|                                     |         |              |
| BLM CFO/Eddy Co. PET On-Call        | Number: | 575-361-2822 |
| BLM Hobbs/Lea Co. PET On-Call       | Number: | 575-689-5981 |

Received by OCD: 12/5/2024 4:00:25 PM

#### Casing Program: RRR - Steel Curtain 6 31 State Com 702H

| Open Hole Size<br>(Inches) | Casing<br>Depth;<br>From (ft) | Casing<br>Setting<br>Depth (ft)<br>MD | Casing<br>Setting<br>Depth (ft)<br>TVD | Casing<br>Size<br>(inches) | Casing<br>Weight<br>(lb/ft) | Casing<br>Grade | Thread | Condition | Anticipated<br>Mud Weight<br>(ppg) | Burst (psi) | Burst SF<br>(1.125) | Collapse<br>(psi) | Collapse<br>SF (1.125) | Pipe Body<br>Tension (lbs) | Lension   | Air Weight<br>(lbs) | Bouyant<br>Weight<br>(lbs) | Pipe Body<br>Tension SF<br>(1.8) | Joint<br>Tension SF<br>(1.8) |
|----------------------------|-------------------------------|---------------------------------------|----------------------------------------|----------------------------|-----------------------------|-----------------|--------|-----------|------------------------------------|-------------|---------------------|-------------------|------------------------|----------------------------|-----------|---------------------|----------------------------|----------------------------------|------------------------------|
| Surface                    |                               |                                       |                                        |                            |                             |                 |        |           |                                    |             |                     |                   |                        |                            |           |                     |                            |                                  |                              |
| 26"                        | 0'                            | 450'                                  | 450'                                   | 20"                        | 94.0                        | J-55            | ВТС    | New       | 9.2                                | 2,110       | 9.80                | 520               | 7.25                   | 1,480,000                  | 1,402,000 | 42,300              | 36,353                     | 40.71                            | 38.57                        |
| Intermediate 1             |                               |                                       |                                        |                            |                             |                 |        |           |                                    |             |                     |                   |                        |                            |           |                     |                            |                                  |                              |
| 17.5                       | 0'                            | 1,560'                                | 1,560'                                 | 13 3/8"                    | 48                          | H-40            | BTC    | New       | 8.5                                | 1,730       | 2.51                | 770               | 3.35                   | 541,000                    | 322,000   | 74,880              | 65,154                     | 8.30                             | 4.94                         |
| Intermediate 2             |                               |                                       |                                        |                            |                             |                 |        |           |                                    |             |                     |                   |                        |                            |           |                     |                            |                                  |                              |
| 12.25"                     | 0'                            | 2,500'                                | 2,500'                                 | 9 5/8"                     | 36                          | J-55            | ВТС    | New       | 8.6                                | 3,520       | 3.15                | 2,020             | 5.42                   | 564,000                    | 639,000   | 90,000              | 78,172                     | 7.21                             | 8.17                         |
| Production                 |                               |                                       |                                        |                            |                             |                 |        |           |                                    |             |                     |                   |                        |                            |           |                     |                            |                                  |                              |
| 8.75"                      | 0'                            | 19,078'                               | 8,605'                                 | 5 1/2"                     | 20                          | P110            | BTC    | New       | 9.6                                | 12,640      | 2.94                | 11,100            | 2.58                   | 641,000                    | 667,000   | 172,100             | 146,853                    | 4.36                             | 4.54                         |

| Casing Design Criteria and Casing Loading Assumptions:                                                         |         |
|----------------------------------------------------------------------------------------------------------------|---------|
| <u>Surface</u>                                                                                                 |         |
| Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:                    | 9.2 ppg |
| Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of: | 9.2 ppg |
| Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:          | 9.2 ppg |
| Intermediate 1                                                                                                 |         |
| Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:                    | 8.5 ppg |
| Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of: | 8.5 ppg |
| Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:          | 8.5 ppg |
| Intermediate 2                                                                                                 |         |
| Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:                    | 8.6 ppg |
| Collapse A 1.125 design factor with 1/3 TVD internal evacuation and collapse force equal to a mud gradient of: | 8.6 ppg |
| Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:          | 8.6 ppg |
| <u>Production</u>                                                                                              |         |
| Tension A 1.8 design factor with effects of buoyancy with a fluid equal to a mud weight of:                    | 9.6 ppg |
| Collapse A 1.125 design factor with full internal evacuation and collapse force equal to a mud gradient of:    | 9.6 ppg |
| Burst A 1.125 design factor with full external evacuation and burst force equal to a mud gradient of:          | 9.6 ppg |

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#### 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 <u>Effective May 25, 2021</u>

| I. Operator:                                                                                                                                                                                                                                                                                                                                                                            |                |                      | OGRID:            |                          |                   | Date:/            | /                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------|-------------------|--------------------------|-------------------|-------------------|---------------------------------|
| II. Type: ☐ Original ☐                                                                                                                                                                                                                                                                                                                                                                  | Amendment      | due to □ 19.15.27.   | 9.D(6)(a) NMA     | C □ 19.15.27.9.D(        | 6)(b) N           | MAC □ Other.      |                                 |
| If Other, please describe                                                                                                                                                                                                                                                                                                                                                               | :              |                      |                   |                          |                   |                   |                                 |
| III. Well(s): Provide the be recompleted from a s                                                                                                                                                                                                                                                                                                                                       |                |                      |                   |                          | vells p           | roposed to be dr  | illed or proposed to            |
| Well Name                                                                                                                                                                                                                                                                                                                                                                               | API            | ULSTR                | Footages          | Anticipated<br>Oil BBL/D | Gas MCF/D Produce |                   | Anticipated roduced Water BBL/D |
| IV. Central Delivery Point Name:  [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  Completion  Date  Tommencement Date  Back Date |                |                      |                   |                          |                   |                   |                                 |
|                                                                                                                                                                                                                                                                                                                                                                                         |                |                      |                   |                          |                   |                   |                                 |
| VI. Separation Equipm                                                                                                                                                                                                                                                                                                                                                                   | nent: □ Attacl | n a complete descrip | ption of how Op   | erator will size sepa    | aration           | equipment to op   | otimize gas capture.            |
| VII. Operational Pract<br>Subsection A through F                                                                                                                                                                                                                                                                                                                                        |                |                      | ription of the ac | tions Operator will      | l take t          | to comply with    | he requirements of              |
| VIII. Best Managemen<br>during active and planne                                                                                                                                                                                                                                                                                                                                        |                |                      | te description of | Operator's best m        | nanage            | ment practices to | o minimize venting              |

#### Section 2 Enhanced Plan

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Beginning April 1, 20 reporting area must co                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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                                                                                                                                                                                                                                                                                                                                                                | as capture r                                                   | requirement for the applicable                                                                                                                           |  |
| ☐ Operator certifies capture requirement for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                                                                                                                 | ion because Operator is in o                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | compliance                                                     | with its statewide natural gas                                                                                                                           |  |
| IX. Anticipated Natu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Well                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                                              | API                                                                                                                                                                                                               | Anticipated Average<br>Natural Gas Rate MCF/D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                | as for the First Year MCF                                                                                                                                |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| X. Natural Gas Gath                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                                                                                                                                                                                                                                                                                                           |                                                                |                                                                                                                                                          |  |
| Operator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ULSTR of Tie-in                                                                                                                                                                                                   | Anticipated Gathering<br>Start Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                | able Maximum Daily Capacity of System Segment Tie-in                                                                                                     |  |
| production operations the segment or portion XII. Line Capacity. The production volume from XIII. Line Pressure. The production was gathering and the production of the produc | to the existing or part of the natural gas gas om the well prior to Operator  Operator | planned interconnect of the gathering system(s) to we thering system will to the date of first product does not anticipate that d above will continue to eduction in response to the erts confidentiality pursue. | the natural gas gathering system which the well(s) will be considered will not have capacity to go dion.  It its existing well(s) connect meet anticipated increases in the increased line pressure.  Lant to Section 71-2-8 NMS 27.9 NMAC, and attaches a first which we have a section of the context of the context of the capacity of the | em(s), and the nected.  ather 100% at the same line pressures. | peline route(s) connecting the he maximum daily capacity of of the anticipated natural gas me segment, or portion, of the are caused by the new well(s). |  |

(i)

## Section 3 - Certifications <u>Effective May 25, 2021</u>

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: power generation on lease; (a) power generation for grid; (b) compression on lease; (c) (d) liquids removal on lease; reinjection for underground storage; (e) **(f)** reinjection for temporary storage; **(g)** reinjection for enhanced oil recovery; fuel cell production; and (h)

#### **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.

- Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become (a) 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
- 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:                                         |
| Title:                                                |
| E-mail Address:                                       |
| Date:                                                 |
| Phone:                                                |
| OIL CONSERVATION DIVISION                             |
| (Only applicable when submitted as a standalone form) |
| Approved By:                                          |
| Title:                                                |
| Approval Date:                                        |
| Conditions of Approval:                               |
|                                                       |
|                                                       |
|                                                       |
|                                                       |

#### Section 1-Plan Description -III. Wells

| Well Name                         | <u>API</u> | <u>ULSTR</u> | <u>Footages</u>       | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|-----------------------------------|------------|--------------|-----------------------|-----------------------|-----------------------|----------------------------------|
| Steel Curtain 6-31 State Com 501H | Pending    | 6-23S-26E    | 267' FSL & 1,848' FEL | 700                   | 1800                  | 3500                             |
| Steel Curtain 6-31 State Com 502H | Pending    | 6-23S-26E    | 267' FSL & 1,818' FEL | 700                   | 1800                  | 3500                             |
| Steel Curtain 6-31 State Com 701H | Pending    | 6-23S-26E    | 267' FSL & 1,788' FEL | 700                   | 1800                  | 3500                             |
| Steel Curtain 6-31 State Com 702H | Pending    | 6-23S-26E    | 267' FSL & 1,758' FEL | 700                   | 1800                  | 3500                             |

| V. Anticipated Schedule           |            |           |                 |                              |                        |                       |
|-----------------------------------|------------|-----------|-----------------|------------------------------|------------------------|-----------------------|
| Well Name                         | <u>API</u> | Spud date | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
| Steel Curtain 6-31 State Com 501H | Pending    | 6/1/2025  | 6/26/2025       | 10/1/2025                    | 12/1/2025              | 12/15/2025            |
| Steel Curtain 6-31 State Com 502H | Pending    | 6/28/2025 | 7/23/2025       | 10/1/2025                    | 12/1/2025              | 12/15/2025            |
| Steel Curtain 6-31 State Com 701H | Pending    | 7/25/2025 | 8/19/2025       | 10/1/2025                    | 12/1/2025              | 12/15/2025            |
| Steel Curtain 6-31 State Com 702H | Pending    | 8/21/2025 | 9/15/2025       | 10/1/2025                    | 12/1/2025              | 12/15/2025            |

#### Section 2- Enhanced Plan

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#### IX. Anticipated Natural Gas Production

| Well                              | API     | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural<br>Gas for the First Year MCF |
|-----------------------------------|---------|--------------------------------------------|-------------------------------------------------------------|
| Steel Curtain 6-31 State Com 501H | Pending | 1370                                       | 500,000                                                     |
| Steel Curtain 6-31 State Com 502H | Pending | 1370                                       | 500,000                                                     |
| Steel Curtain 6-31 State Com 701H | Pending | 1370                                       | 500,000                                                     |
| Steel Curtain 6-31 State Com 702H | Pending | 1370                                       | 500,000                                                     |

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

| Operator   | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment<br>Tie-in |
|------------|--------|-----------------|----------------------------------|--------------------------------------------------------------|
| Enterprise |        | 6-23S-26E       | 12/1/2025                        | 10,000                                                       |
|            |        |                 |                                  |                                                              |