District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

| Incident ID | |
|----------------|--|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible Party: MORNINGSTAR OPERATING, LLC | OGRID: 330132 |
|--|-----------------------------------|
| Contact Name: MIKE HOWE | Contact Telephone: (505) 330-3058 |
| Contact email: mhowe@ctfieldsvcs.com | Incident #: nAPP2227139978 |
| Contact mailing address: 400 W 7th St., Fort Worth, TX 76102 | |

Location of Release Source

Latitude 36.970000

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name: CARRACAS 23A #004 | Site Type: WELL |
|-------------------------------------|------------------------------------|
| Date Release Discovered: 09/27/2022 | API# (if applicable): 30-039-27550 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|------------|
| D | 23 | 32N | 5W | RIO ARRIBA |

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
|------------------|--|---|
| Produced Water | Volume Released (bbls): 45 | Volume Recovered (bbls): 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |
| Come CD 1 | | |

Cause of Release:

The Rig consultant (Pete McNeil) reported that the drying pad filled with fresh water based drilling fluid mixed with coal cuttings overflowed when ground gave way under the outward containment berm and lost 6" of height.

Rece

| orm C-141 | State of New Mexico | | Incident ID | |
|---|---|---|--|--|
| age 2 | Oil Conservation Divisi | on | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| Was this a major | If YES, for what reason(s) does the | esponsible party consi | der this a major release? | |
| release as defined by 19.15.29.7(A) NMAC? | Estimated volume (based on length, 44.5 bbl. | | in the second | and sluff héight i |
| 🛛 Yes 🗌 No | | | | |
| | | | Т., Т. , | • |
| If YES, was immediate n Notice of Release subm | notice given to the OCD? By whom? The other of the ocd | o whom? When and | by what means (phone, email, | etc)? |
| | | | : | and the state of t |
| | Initia | l Response | | ~ ` |
| The responsible | party must undertake the following actions imme | diately unless they could cr | eate a safety hazard that would result | in injury |
| \square The source of the relation | ease has been stopped. | | | , şi |
| | is been secured to protect human health | and the environment | 、 、 | |
| | ave been contained via the use of berms | | ads or other containment davi | |
| | ecoverable materials have been remove | - | | |
| | | | matery. | |
| If all the actions described | d above have <u>not</u> been undertaken, exp | lain why: | * <u>*</u> | - |
| | | | | , |
| | | | | |
| | | Υ. | | * |
| | |) | | |
| | |) | "N _{ely} | |
| D. 10 15 00 0 D. (4) 3 D. | |) | | · |
| has begun, please attach a within a lined containmen | AC the responsible party may comment a narrative of actions to date. If rement at area (see 19.15.29.11(A)(5)(a) NMA | dial efforts have been C), please attach all in | liately after discovery of a rele successfully completed or if t formation needed for closure e | he release occurr valuation. |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of | a narrative of actions to date. If reme | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s | liately after discovery of a rele successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should the urface water, human health or the | he release occurr valuation. OCD rules and which may endange heir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. | a narrative of actions to date. If rement at area (see $19.15.29.11(A)(5)(a)$ NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co | liately after discovery of a rele successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should the urface water, human health or the | he release occurr valuation. OCD rules and which may endanged leir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>MIKE H</u> | a narrative of actions to date. If rement at area (see $19.15.29.11(A)(5)(a)$ NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co | diately after discovery of a release successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should th urface water, human health or the mpliance with any other federal, is <u>UCTION FOREMAN</u> | he release occurr valuation. OCD rules and hich may endanged leir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are n public health or the environm failed to adequately investiga | a narrative of actions to date. If rement a rea (see 19.15.29.11(A)(5)(a) NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co Title: <u>PROD</u> Date: <u>7-3</u> | diately after discovery of a release successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should th urface water, human health or the mpliance with any other federal, is <u>UCTION FOREMAN</u> | he release occurr valuation. OCD rules and which may endanged leir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>MIKE H</u> Signature: | a narrative of actions to date. If rement a rea (see 19.15.29.11(A)(5)(a) NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co Title: <u>PROD</u> Date: <u>7-3</u> | diately after discovery of a rele successfully completed or if the formation needed for closure en- ge and understand that pursuant to n corrective actions for releases we the operator of liability should the urface water, human health or the mpliance with any other federal, in <u>UCTION FOREMAN</u> | he release occurr valuation. OCD rules and which may endange heir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>MIKE H</u> Signature: <u></u> | a narrative of actions to date. If rement a rea (see 19.15.29.11(A)(5)(a) NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co Title: <u>PROD</u> Date: <u>7-3</u> | diately after discovery of a rele successfully completed or if the formation needed for closure en- ge and understand that pursuant to n corrective actions for releases we the operator of liability should the urface water, human health or the mpliance with any other federal, in <u>UCTION FOREMAN</u> | he release occurr valuation. OCD rules and hich may endanged leir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>MIKE H</u> Signature: <u></u> | a narrative of actions to date. If rement at area (see 19.15.29.11(A)(5)(a) NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operator NOWE | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co Title: <u>PROD</u> Date: <u>17-3</u> Telephone: | diately after discovery of a rela successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should th urface water, human health or the mpliance with any other federal, is UCTION FOREMAN 2.M | he release occurr valuation. OCD rules and hich may endanged leir operations have environment. In |
| has begun, please attach a within a lined containmen I hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>MIKE H</u> Signature: <u></u> | a narrative of actions to date. If rement a rea (see 19.15.29.11(A)(5)(a) NMA mation given above is true and complete to required to report and/or file certain release nent. The acceptance of a C-141 report by ate and remediate contamination that pose a f a C-141 report does not relieve the operato | dial efforts have been C), please attach all in the best of my knowled notifications and perform the OCD does not relieve threat to groundwater, s or of responsibility for co Title: <u>PROD</u> Date: <u>7-3</u> | diately after discovery of a rela successfully completed or if t formation needed for closure e ge and understand that pursuant to n corrective actions for releases w the operator of liability should th urface water, human health or the mpliance with any other federal, is UCTION FOREMAN 2.M | he release occurr valuation. OCD rules and hich may endanged leir operations have environment. In |

Received by OCD: 12/30/2022 11:50:28 AM Form C-141 State of New Mexico

Oil Conservation Division

| | Page 3 of 23 |
|----------------|--------------|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>>100</u> (ft bgs) |
|---|-------------------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🛛 Yes 🗌 No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

| Form C-141 | State of New Mexic | 0 | | |
|---|--|--|--|--|
| Page 4 | Oil Conservation Divis | | District RP | |
| | | | Facility ID | a |
| | | | Application ID | 262 |
| I hansher and for that the info | | | | |
| regulations all operators are public health or the environr failed to adequately investig | rmation given above is true and complete required to report and/or file certain relea ment. The acceptance of a C-141 report b ate and remediate contamination that pose f a C-141 report does not relieve the opera | se notifications and perform y the OCD does not relieve the a threat to groundwater, s | n corrective actions for rele the operator of liability sh urface water, human health | eases which may endanger ould their operations have or the environment. In |
| Printed Name:Mike | How | Title:Pro | duction Foreman | - Carlos |
| Signature: | | Date: 17-30 | .n_ | х. Фр. |
| email:mhowe@ctfield | svcs.com | Telephone: | (505) 330-3058 | |
| · | | .** | | |
| OCD Only | | | | |
| Received by: Nelso | n Velez - Nelson Velez | Date:(| 01/05/2023 | · · · · · |
| | O | | , | |
| | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | |
| | | | | х. Тал |
| • | ··· · · · · · · · · · · · · · · · · · | u tengén tan eta hin. | $\frac{1}{2} = \frac{1}{2} \left[\frac{1}{2} \left[$ | • |
| | | | مع . بر ۲۰۰۰ : - | <u>.</u> |
| | | | | · · · |
| | | | | <u>م</u> ار |
| | | | •• • • • • • • | ής |
| | | | | · |
| | | | an a | |
| н | | | | |
| : | · . | | and a second | • • • |
| · · · | | | | <u>.</u> |
| | and An an an an an an an an an an An an | · · · · | | |
| | | | | - |
| | | | | |
| eta sere | andar An an an an Anna Anna Anna Anna Anna Anna | | e a an an an an an an | |
| | | | | |
| | an tana sa ay arawa | | | |
| | an an an an an an an an taon 1990. An | · · · · | | |
| | | | · · · · · · · · · · · · · · · · · · · | |
| | | | | |
| | · · · · · · | | • • • • • • • • • • • • • • | |
| en la seconda da second Seconda da seconda da s Seconda da seconda da s | | an a | in the second se | |
| | | | | |
| | | | | |
| | | | | |

MorningStar Operating, LLC's Carracas 23A #004 Soil Sampling Plan

December 2022

Prepared for



MorningStar Operating, LLC 400 W 7th St Fort Worth, Texas 76102 Phone: (505) 330-3058



Environmental & Permitting Solutions

EIS Environmental & Permitting Solutions, LLC. 479 Wolverine Drive #9 Bayfield, Colorado 81122 Phone: (970) 884-4080

TABLE OF CONTENTS

| 1.0 Project Description | 2 |
|---|----|
| 1.1 Project Introduction | 2 |
| 1.1.1 Spill Site Photos | 3 |
| 1.1.2 Initial Remediation Site Photos | 6 |
| 2.0 Proposed Soil Sampling for Site | 12 |
| 3.0 Remediation and Closure | 12 |
| Attachment I – Table I Closure Criteria for Soils Impacted by a Release | 13 |
| Attachment II – Maps | 14 |

LIST OF TABLES

| Table 1-1. Spill and Reclamation Area Data | 2 |
|--|---|
|--|---|

.

| Operator | MorningStar Operating, LLC (MorningStar) |
|----------------|---|
| Location Name | Carracas 23A #004 |
| Legal Location | Section 23, Township 32 North, Range 5 West |
| API | 30-039-27550 |
| Incident ID | nAPP2227139978 |

Soil Sampling Plan

This soil sampling plan has been prepared by EIS Environmental & Permitting Solutions, LLC. (EIS Environmental) for MorningStar Operating, LLC (MorningStar) to meet the requirements and guidelines of the New Mexico Oil Conservation Division (NMOCD) NMAC 19.15.29. This plan describes the spill, the extent of the spill, cleanup that has occurred thus far, and proposed soil sampling plan.

The MorningStar contact person for this soil sampling plan is:

Mike Howe Production Foreman MorningStar Operating, LLC 400 W 7th St Fort Worth, Texas 76102 505-330-3058

1.0 Project Description

1.1 Project Introduction

The Carracas 23A #004 well is located in Section 23, Township 32 North, Range 5 West within the Carson National Forest in New Mexico. The vegetative community consists of a mature ponderosa pine canopy with a gambles oak shrub understory. The natural topography of this location consists of a southeast aspect with approximately 0.092 slope (10% grade) prior to the disturbance. The well pad itself has a southeast aspect and approximately a 0.014 slope (1% grade).

| Table 1-1. Spill and Reclamation Area Disturbance Acreage | | |
|---|---------|--|
| Spill/Release Area | 0.18 ac | |
| Total Initial Remediation Area | 0.28 ac | |

The release occurred on September 27, 2022, during the drilling of a new well, when the cuttings pit became overfilled, and the pit berm collapsed. The overfilling and berm failure resulted in a spill releasing approximately 45 BBL of freshwater and coal cuttings down gradient. The release made its way down gradient of the site for a distance of approximately 890 linear feet. After discovering the spill, MorningStar contacted the OCD and Carson National Forest Service, and began initial cleanup of the affected area. Hand crews and a skid-steer were utilized to clean up the soils in the area that had staining and odor within the flow path. Approximately 60 cubic yards of contaminated soil were removed. A Notice of Release (NOR) was filed with the NMOCD when the spill occurred by Samanntha Avarello with MorningStar on September 28, 2022. A site inspection following the initial clean-up efforts for the spill was conducted on December 2, 2022, with Mike Howe of MorningStar, Tanner Paulek and Greg Riley of EIS Environmental. During the inspection, an inventory of existing site conditions was conducted; mapping of the spill flow path; a discussion of the clean-up efforts that had occurred, including contaminated soil removed and general impacts of the spill.



Figure 1. Pit with Produced Water and Coal Cuttings



Figure 2. Point of Spill

Released to Imaging: 1/5/2023 1:49:31 PM



Figure 3. Flow Path of Spill



Figure 4. Flow Path of Spill



Figure 5. Flow Path of Spill



Figure 6. Flow Path of Spill

1.1.2 Initial Remediation Site Photos



Figure 7. Start of Spill After Cleanup



Figure 8. Flow Path After Cleanup

- 6 -



Figure 9. Flow Path After Cleanup



Figure 10. Flow Path After Cleanup



Figure 11. Flow Path After Cleanup



Figure 12. Flow Path After Cleanup



Figure 13. Flow Path After Cleanup



Figure 14. Flow Path After Cleanup



Figure 15. Flow Path After Cleanup



Figure 16. Flow Path After Cleanup



Figure 17. Flow Path After Cleanup



Figure 18. Flow Path After Cleanup

01/05/2023 -

the applicable reclamation standards per 19.15.29.13D (1) - see also **Procedures for Implementation** of the Spill Rule (19.15.29 <u>NMAC) document dated</u> September 6, 2019

the applicable reclamation

standards per 19.15.29.13D (1)

2.0 Proposed Soil Sampling for Site

EIS Environmental, on behalf of MorningStar, proposes a sampling methodology of collecting a discreet sample every 400 square feet within the release flow path (22 samples in total) along with four background samples upgradient of the impacted area (See Attachment II) utilizing NMAC Table I Closure Criteria for Soils Impacted by a Release (See Attachment I). All samples will be hand augured to a depth of 1 foot or to a restrictive layer. All samples will be transported via ice and analyzed utilizing EPA 300 approved series.

The nearest Point of Diversion (POD) indicating a domestic water well is approximately 14,500' to the east and is at a depth of 800'. Looking at the NMOCD's data on the Carracas 23A #004, the top of the Ojo Alamo formation is 3,264 feet. Looking at a cathotic well that was drilled near the Carracas 18B #003 well, which is approximately 2.12 miles to the NE, water was found at a depth of 230'. As a result, we have concluded that depth to groundwater (DTGW) is estimated to be greater than 100 feet. As such, the closure criteria of soils in Table I >100 feet will be utilized.

3.0 Remediation and Closure

As mentioned above, initial cleanup and remediation occurred immediately after the release. Based on sampling results from this proposed plan, if levels of contaminants exceed Table 1 (ground water greater < the 100-feet), MorningStar will summit a remediation plan to further remediate and reclaim the impacted area. If the samples come back clean and levels of contaminants are below the Table 1 (ground water < greater the 100-feet), MorningStar will pursue the closure of the incident with NMOCD via a C-141 based on the remediation and reclamation that has already occurred. The Carson National Forest will be consulted for any required reclamation of the area to meet their reclamation standards.

| | | Table I | |
|---|----------------------|-------------------------------------|--------------|
| | Closure Criteria for | Soils Impacted by a Release | |
| Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS | Constituent | Method* | Limit** |
| \leq 50 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 100 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| 51 feet-100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 10,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| >100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

Attachment I – Table I Closure Criteria for Soils Impacted by a Release

.

Attachment II – Maps

.

Received by OCD: 12/30/2022 11:50:28 AM

Carracus 23A #004 Soil Sampling Plots



Page 20 of 23

Received by OCD: 12/30/2022 11:50:28 AM

Carracus 23A #004 Soil Sampling Plots

Page 21 of 23







Morningstar Carracas 23A #004 Well:

@ 36.970097, -107.336662 0

Carracas 23A #004 Spill Flow Path

Ephemeral Stream (NHD)

Watercourse (NHD):

None Within 300'

Waterbody (NHD):

Sone Within 200'

0

Riverine Area (NWI)

100-year Flood Zone (FEMA):

None Within Spill Area

Water "Point of Diversion":

None Within 500'

Water Well:

None Within 1000' Structure:

None Within 300'

- 10' Contour

1/2 Mile Flow Path Buffer 1000' Flow Path Buffer 500' Flow Path Buffer 300' Flow Path Buffer 200' Flow Path Buffer

Coordinate System: NAD 1983 State Released to Imaging: 1/3/2023 994 5951 PM



Data Sources: BLM, EIS, ESRI, NM State, USGS, Morningstar



⊐Feet 1:6,000

600

Author: MM, EIS Environmental 1 inch = 500 feet & Permitting Solutions

Date: 12/29/2022

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

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

District III

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

District IV

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

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

CONDITIONS

| Operator: | OGRID: |
|---------------------------|---|
| MorningStar Operating LLC | 330132 |
| 400 W 7th St | Action Number: |
| Fort Worth, TX 76102 | 169128 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Create By | 1 Condition | Condition Date |
|--------------|---|-------------------|
| nvele | z MorningStar must use the applicable reclamation standards per 19.15.29.13D (1) for the impacted area 0-4 feet below grade. Please refer to "Procedures for Implementation of the Spill Rule (19.15.29 NMAC)", dated September 6, 2019 for further guidance. | 1/5/2023 |

Page 23 of 23

Action 169128