

| | | |
|--|--|---|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Notice of Intent

| | |
|---|-------------------------------------|
| Type of Submission: Notice of Intent | Type of Action APD Change |
| Date Sundry Submitted: 02/03/2021 | Time Sundry Submitted: 03:17 |
| Date proposed operation will begin: 01/13/2021 | |

Procedure Description: Change LP/FTP From: 100 FNL/1510 FEL To: 100 FNL/2210 FEL Change LTP/BHL From: 100 FSL/1510 FEL To: 100 FSL/2210 FEL Revised Directional Plan and C-102 Attached Sundry was approved to amend SHL on 12/04/2020; but it is not reflected on the APD, so I updated the SHL on the APD as well. I ALSO thought this had already been submitted on the day I signed it, but it looks as if it did not get submitted.

Application

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Type of Well: OIL WELL

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Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

Section 1 - General

APD ID: 10400052667

BLM Office: CARLSBAD

Federal/Indian APD: FED

Lease number: NMNM086144

Surface access agreement in place?

Agreement in place? NO

Agreement number:

Agreement name:

Keep application confidential? N

Permitting Agent? NO

Operator letter of designation:

Tie to previous NOS? Y

User: JENNIFER ELROD

Is the first lease penetrated for production Federal or Indian? FED

Lease Acres:

Allotted?

Reservation:

Federal or Indian agreement:

Submission Date: 12/19/2019

Title: Senior Regulatory Technician

APD Operator: CHISHOLM ENERGY OPERATING LLC

Operator Info

Operator Organization Name: CHISHOLM ENERGY OPERATING LLC

Operator Address: 801 Cherry St., Suite 1200 Unit 20

Operator PO Box:

Operator City: Fort Worth

State: TX

Operator Phone: (817)469-1104

Operator Internet Address:

Zip: 76102

Section 2 - Well Information

Well in Master Development Plan? NO

Well in Master SUPO? EXISTING

Well in Master Drilling Plan? EXISTING

Well Name: DIAMONDBACK 24-25 FED COM 2BS

Field/Pool or Exploratory? Field and Pool

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS

Master Development Plan name:

Master SUPO name: JE

Master Drilling Plan name: DIAMONDBACK

Well Number: 4H

Field Name: LUSK

Well API Number: 3002548037

Pool Name: BONE SPRING,
EAST

Is the proposed well in a Helium production area? N

Type of Well Pad: MULTIPLE WELL

Well Class: HORIZONTAL

Well Work Type: Drill

Well Type: OIL WELL

Describe Well Type:

Use Existing Well Pad? N

Multiple Well Pad Name:
DIAMONDBACK PAD 1

Number of Legs: 1

New surface disturbance?

Number: 1H, 2H, 3H, 4H, 5H

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OPERATING LLC

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 12 MilesDistance to nearest well: 60 FTDistance to lease line: 125 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: DIAMONDBACK_24_25_FED_1BS_COM_4H_REV_APD_C102_2__01132021_20210114122632.pdf

Well work start Date: 05/01/2020Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83Vertical Datum: NAVD88

Survey number: 7553AReference Datum: GROUND LEVEL

| Wellbore | NS-Foot | NS Indicator | EW-Foot | EW Indicator | Twsp | Range | Section | Aliquot/Lot/Tract | Latitude | Longitude | County | State | Meridian | Lease Type | Lease Number | Elevation | MD | TVD | Will this well produce from this lease? |
|--------------|---------|--------------|---------|--------------|------|-------|---------|-------------------|------------|--------------|--------|------------|------------|------------|--------------|-----------|-------|------|---|
| SHL Leg #1 | 250 | FNL | 735 | FEL | 19S | 32E | 24 | Aliquot NENE | 32.6523692 | -103.7135479 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | 3621 | 0 | 0 | N |
| KOP Leg #1 | 250 | FNL | 735 | FEL | 19S | 32E | 24 | Aliquot NENE | 32.6523692 | -103.7135479 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | -4732 | 8408 | 8353 | N |
| PPP Leg #1-1 | 2637 | FSL | 1499 | FEL | 19S | 32E | 24 | Aliquot NESE | 32.65788 | -103.718071 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM0077006 | -6150 | 11650 | 9771 | Y |
| PPP Leg #1-2 | 100 | FNL | 2210 | FEL | 19S | 32E | 24 | Aliquot NWNE | 32.6527895 | -103.7183398 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | -5334 | 9299 | 8955 | Y |

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OPERATING LLC

| Wellbore | NS-Foot | NS Indicator | EW-Foot | EW Indicator | Twsp | Range | Section | Aliquot/Lot/Tract | Latitude | Longitude | County | State | Meridian | Lease Type | Lease Number | Elevation | MD | TVD | Will this well produce from this lease? |
|-------------|---------|--------------|---------|--------------|------|-------|---------|-------------------|------------|--------------|--------|------------|------------|------------|--------------|-----------|-------|------|---|
| EXIT Leg #1 | 100 | FSL | 2210 | FEL | 19S | 32E | 25 | Aliquot SWSE | 32.6243006 | -103.7182938 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM012413 | -6265 | 19763 | 9886 | Y |
| BHL Leg #1 | 100 | FSL | 2210 | FEL | 19S | 32E | 25 | Aliquot SWSE | 32.6243006 | -103.7182938 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM012413 | -6265 | 19763 | 9886 | Y |

Drilling Plan

Section 1 - Geologic Formations

| Formation ID | Formation Name | Elevation | True Vertical Depth | Measured Depth | Lithologies | Mineral Resources | Producing Formation |
|--------------|-----------------|-----------|---------------------|----------------|-----------------------------|-------------------|---------------------|
| 1380364 | RUSTLER | 3621 | 1214 | 1214 | ANHYDRITE | NONE | N |
| 1380365 | SALADO | 2096 | 1525 | 1525 | SALT | NONE | N |
| 1380370 | YATES | 460 | 3161 | 3161 | SANDSTONE, SHALE | NONE | N |
| 1380366 | CAPITAN REEF | -2892 | 3352 | 3352 | DOLOMITE, LIMESTONE | NONE | N |
| 1380367 | DELAWARE | -1906 | 5527 | 5527 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | N |
| 1380368 | BONE SPRING | -4065 | 7686 | 7686 | LIMESTONE, SHALE | NATURAL GAS, OIL | N |
| 1380369 | BONE SPRING 1ST | -5202 | 8823 | 8823 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | N |
| 1380371 | BONE SPRING 2ND | -5837 | 9458 | 9458 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | Y |

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 12500

Equipment: Rotating head, remote kill line, mud gas sperator

Requesting Variance? YES

Variance request: WE PROPOSE UTILIZING A CACTUS SPEED HEAD MULTI-BOWL WELLHEAD FOR THIS WELL. PLEASE SEE ATTACHED DIAGRAM AND PRESSURE TESTING STATEMENT. ALSO WE REQUEST TO USE A FLEX CHOKE HOSE; PLEASE SEE ATTACHMENT.

Testing Procedure: BOP testing procedure -N/U the rigs BOP. Use 3rd party testers to perform the following: -Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump. -Test the Hydril annular to 250 psi/2,500 psi with same as above.

Choke Diagram Attachment:

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Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

5M_Choke_Manifold_Diagram_20171019093052.pdf

BOP Diagram Attachment:

5m_BOP_Diagram_2_20191219074124.pdf

5m_BOP_Diagram_20191219074124.pdf

Section 3 - Casing

| Casing ID | String Type | Hole Size | Csg Size | Condition | Standard | Tapered String | Top Set MD | Bottom Set MD | Top Set TVD | Bottom Set TVD | Top Set MSL | Bottom Set MSL | Calculated casing length MD | Grade | Weight | Joint Type | Collapse SF | Burst SF | Joint SF Type | Joint SF | Body SF Type |
|-----------|--------------|-----------|----------|-----------|----------|----------------|------------|---------------|-------------|----------------|-------------|----------------|-----------------------------|-------|--------|------------|-------------|----------|---------------|----------|--------------|
| 1 | SURFACE | 17.5 | 13.375 | NEW | API | N | 0 | 1250 | 0 | 1250 | 3621 | 2371 | 1250 | J-55 | 54.5 | BUTT | 1.93 | 4.67 | DRY | 13.34 | DRY |
| 2 | INTERMEDIATE | 12.25 | 9.625 | NEW | API | N | 0 | 5575 | 0 | 5575 | 3620 | -1954 | 5575 | J-55 | 40 | LT&C | 1.74 | 1.34 | DRY | 2.33 | DRY |
| 3 | PRODUCTION | 8.75 | 5.5 | NEW | API | N | 0 | 19763 | 0 | 9886 | 3621 | -6265 | 19763 | P-110 | 20 | BUTT | 2.27 | 2.59 | DRY | 3.37 | DRY |

Casing Attachments

Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219131940.pdf

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Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

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OPERATING LLC

Casing Attachments

Casing ID: 2String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219132039.pdf

Casing ID: 3String Type:PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219132138.pdf

Section 4 - Cement

| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
|--------------|-----------|------------------|--------|-----------|--------------|-------|---------|-------|---------|-------------|--|
| INTERMEDIATE | Lead | 3000 | 0 | 300 | 885 | 2.37 | 11.5 | 2097 | 200 | CLASS C | Bentonite, Compressive Strength Enhancer, Silica Fume Alternative, Fluid Loss, Defoamer, Sodium Metasilicate, Retarder |
| SURFACE | Lead | | 0 | 800 | 555 | 2 | 12.8 | 1116 | 100 | Class C | Sodium Metasilicate, Defoamer, KCL, Kol-Seal, Cellophane Flakes, ROF SealCheck |
| SURFACE | Tail | | 800 | 1250 | 470 | 1.33 | 14.8 | 625 | 100 | Class C | Fluid Loss, Dispercent, Retarder |

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Type of Well: OIL WELL

Unit or CA Name:

Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
|--------------|-----------|---------------------|--------|-----------|--------------|-------|---------|-------|---------|-------------|---|
| INTERMEDIATE | Lead | 3000 | 3000 | 5075 | 550 | 2.37 | 11.5 | 1304 | 100 | Class C | Bentonite, Compressive Strength Enhancer, Silica Fume Alternative, Fluid Loss, Defoamer, Sodium Metasilicate, Retarder |
| INTERMEDIATE | Tail | | 5075 | 5575 | 290 | 1.08 | 14.8 | 313 | 100 | Class C | Fluid Loss, Suspension Agent, Retarder, Defoamer, Dispersant |
| PRODUCTION | Lead | | 4500 | 8200 | 405 | 2.62 | 11.3 | 1061 | 15 | Class H | Sodium Metasilicate, Defoamer, KCL |
| PRODUCTION | Tail | | 8200 | 1976 3 | 1680 | 1.82 | 13.2 | 3058 | 15 | Class H | none |

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: Pason PVT system will be in place throughout the well as well as visual checks

Circulating Medium Table

| Top Depth | Bottom Depth | Mud Type | Min Weight (lbs/gal) | Max Weight (lbs/gal) | Density (lbs/cu ft) | Gel Strength (lbs/100 sqft) | PH | Viscosity (CP) | Salinity (ppm) | Filtration (cc) | Additional Characteristics |
|-----------|--------------|----------------|----------------------|----------------------|---------------------|-----------------------------|----|----------------|----------------|-----------------|------------------------------|
| 0 | 1250 | SPUD MUD | 8.5 | 9.2 | | | | | | | 32-38 fv 4-6 PV 2-5 YP |
| 1250 | 5575 | SALT SATURATED | 10 | 10.3 | | | | | | | 28-32 FV |
| 5575 | 1976 3 | OIL-BASED MUD | 9 | 9.5 | | | | | | | 15-20 PV 8-12 YP |

Received by OCD: 7/1/2021 12:12:44 PM

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Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
none

List of open and cased hole logs run in the well:
CEMENT BOND LOG,DIRECTIONAL SURVEY,GAMMA RAY LOG,MEASUREMENT WHILE DRILLING,

Coring operation description for the well:
none

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4883 Anticipated Surface Pressure: 2708

Anticipated Bottom Hole Temperature(F): 163

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:
Lea_County_H2S_plan_20180517150448.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:
Rev_Dir_Plan_Chisholm_Diamondback_24_25_Fed_1BS_Com_4H_Rev3_CVS_12Jan21_20210114122502.pdf

Other proposed operations facets description:
WBD ATTACHED

Other proposed operations facets attachment:
Chisholm_Energy___Diamondback_24_25_Fed_Com_2BS_4H___WBD_20191219131832.pdf

Other Variance attachment:
Cactus_Speed_Head_Installation_Procedure_20180517150527.pdf
Cactus_Speed_Head_Pressure_Testing_Statement_20180517150528.pdf
Cactus_Speedhead_Diagram_20180517150528.pdf
Choke_Hose_M55_1_07102017_145204_66_1225_04_14_2014___20180517150528.pdf

SUPO

Received by OCD: 7/1/2021 12:12:44 PM

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OPERATING LLC

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:
DIAMONDBACK_24_25_FED_COM_2BS_4H_ACCESS_ROUTE_MAP_12182019_20191219120120.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:
DIAMONDBACK_24_25_FED_COM_2BS_4H_MILE_RADIUS_MAP_12182019_20191219120150.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: If well is productive, a tank battery will be installed on well pad. Tank battery construction and instillation plans will be submitted via Sundry Notice.

Received by OCD: 7/1/2021 12:12:44 PM

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Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: GW WELL

Water source use type:

SURFACE CASING
STIMULATION
INTERMEDIATE/PRODUCTION
CASING

Source latitude:

Source longitude:

Source datum:

Water source permit type:

PRIVATE CONTRACT

Water source transport method:

PIPELINE

Source land ownership: PRIVATE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 120000

Source volume (acre-feet): 15.467172

Source volume (gal): 5040000

Water source and transportation map:
DIAMONDBACK_WATER_MAP_20191219090705.pdf

Water source comments: This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads described and depicted on the "Vicinity Map". On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.
New water well? N

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

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Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Construction materials from the location will be used. No additional needs are anticipated.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: COMPLETIONS/STIMULATION

Waste content description: Completions Fluids

Amount of waste: 2000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL
FACILITY

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: DRILLING

Waste content description: Drilling Fluids and Cuttings

Amount of waste: 6000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL
FACILITY

Disposal type description:

Disposal location description: Trucked to approved disposal facility

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 50 pounds

Waste disposal frequency : Weekly

Safe containment description: Portable Toilets

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Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Serviced by toilet rental company

Waste type: PRODUCED WATER

Waste content description: Produced water

Amount of waste: 4000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** PRIVATE

Disposal type description: Private

Disposal location description: Trucked to tank battery

Waste type: GARBAGE

Waste content description: Trash and Debris

Amount of waste: 200 pounds

Waste disposal frequency : One Time Only

Safe containment description: roll off bin with netted top

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Truck to commercial waste facility

Waste type: FLOWBACK

Waste content description: Oil

Amount of waste: 1000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Frac Tanks

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** PRIVATE

Disposal type description: Private

Disposal location description: Haul to tank battery

Reserve Pit

| | | |
|--|--|---|
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Reserve Pit being used? N

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) **Reserve pit width (ft.)**

Reserve pit depth (ft.) **Reserve pit volume (cu. yd.)**

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Stored in steel bin and hauled to disposal site by truck

Cuttings area length (ft.) **Cuttings area width (ft.)**

Cuttings area depth (ft.) **Cuttings area volume (cu. yd.)**

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

DIAMONDBACK_24_25_FED_COM_2BS_4H_SITE_MAP_12182019_20191219121027.pdf

Comments:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Number: 4H

Lease Number: NMNM86144

US Well Number: 300254803700X1

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

Type of Well: OIL WELL

Unit or CA Name:

Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

Page 14 of 45

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance

Multiple Well Pad Name: DIAMONDBACK PAD 1

Multiple Well Pad Number: 1H, 2H, 3H, 4H, 5H

Recontouring attachment:

Drainage/Erosion control construction: Drainage systems, if an, will be reshaped to the original configuration with provisions made to alleviate erosion.

Drainage/Erosion control reclamation: Any portion of the site that is not needed for future operations will be reclaimed to the original state as much as possible.

Well pad proposed disturbance (acres):

Road proposed disturbance (acres):

Powerline proposed disturbance (acres):

Pipeline proposed disturbance (acres):

Other proposed disturbance (acres):

Total proposed disturbance: 0

Well pad interim reclamation (acres): 0

Road interim reclamation (acres): 0

Powerline interim reclamation (acres): 0

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 0

Well pad long term disturbance (acres): 0

Road long term disturbance (acres): 0

Powerline long term disturbance (acres): 0

Pipeline long term disturbance (acres): 0

Other long term disturbance (acres): 0

Total long term disturbance: 0

Disturbance Comments:

Reconstruction method: No interim reclamation planned due to future development on this pad, as well as tank battery construction if the well is productive.

Topsoil redistribution: After the area has been reshaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible.

Soil treatment: No treatment necessary

Existing Vegetation at the well pad: mesquite, shinnery oak

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: mesquite, shinnery oak

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: mesquite, shinnery oak

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: no other disturbance

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type: PERENNIAL GRASS

Seed source: COMMERCIAL

Seed name: LPC-Seed Mix 2

Source address:

Source name:

Source phone:

Seed cultivar:

Seed use location: WELL PAD

PLS pounds per acre: 5

Proposed seeding season: SPRING

Seed Summary

Total pounds/Acre: 5

| Seed Type | Pounds/Acre |
|-----------------|-------------|
| PERENNIAL GRASS | 5 |

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep: Rip and add topsoil

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: All areas will be monitored, and weeds will be treated

Weed treatment plan attachment:

Monitoring plan description: Monitoring by lease operators during each visit

Monitoring plan attachment:

Success standards: N/A

Pit closure description: No pit, utilizing closed loop system

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Page 16 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? N

Use APD as ROW?

ROW Type(s):

ROW Applications

SUPO Additional Information: The Diamondback 24-25 Fed 2BS 5H wellbore goes through BLM leases: NMNM086144, NMNM0077006, and NMNM012413;
Use a previously conducted onsite? Y

Previous Onsite information: Onsite was conducted 09/26/2017.This will be an infill well on drilled pad.

Other SUPO Attachment

| | | |
|--|--|---|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

DIAMONDBACK_24_25_FED_COM_2BS_4H___5H_APD_RECEIPT_12182019_20191219122434.pdf

DIAMONDBACK_24_25_FED_2BS_4H_GCP_121919_20191219122452.pdf

DIAMONDBACK_24_25_FED_COM_2BS_4H_VICINITY_MAP_12182019_20191219120459.pdf

DIAMONDBACK_24_25_FED_COM_2BS_4H_AERIAL_MAP_12182019_20191219120459.pdf

DIAMONDBACK_24_25_FED_COM_2BS_4H_LOC_VERIFICATION_MAP_12182019_20191219120500.pdf

PWD

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: Injection well name:

Assigned injection well API number? Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

Received by OCD: 7/1/2021 12:12:44 PM

Page 20 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Operator Certification

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

| | |
|---|-----------------------|
| NAME: JENNIFER ELROD | Signed on: 01/14/2021 |
| Title: Senior Regulatory Technician | |
| Street Address: 801 CHERRY STREET, SUITE 1200-UNIT 20 | |
| City: Fort Worth | State: TX |
| | Zip: 76102 |
| Phone: (817)953-3728 | |
| Email address: jelrod@chisholmenergy.com | |

Field Representative

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

Received by OCD: 7/1/2021 12:12:44 PM

Page 21 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

| | |
|--|----------------------------------|
| Operator Electronic Signature: ELROD | Signed on: JAN 14, 2021 12:25 PM |
| Name: CHISHOLM ENERGY OPERATING LLC | |
| Title: Senior Regulatory Technician | |
| Street Address: 801 CHERRY STREET SUITE 1200 UNIT 20 | |
| City: FORT WORTH | State: TX |
| Phone: (817) 953-6063 | |
| Email address: info@chisholmenergy.com | |

Field Representative

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

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

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

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

☒ AMENDED REPORT
REV LP/BHL

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|--|---|
| ¹ API Number 30-025-48037 | ² Pool Code 41442 | ³ Pool Name LUSK; BONE SPRING, EAST |
| ⁴ Property Code 322152 | ⁵ Property Name DIAMONDBACK 24-25 FED COM 1BS | ⁶ Well Number 4H |
| ⁷ OGRID No. 372137 | ⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC | ⁹ Elevation 3621.1 |

¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 24 | 19 S | 32 E | | 250 | NORTH | 735 | EAST | LEA |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|---------|---------------|------------------|---------------|----------------|--------|
| O | 25 | 19 S | 32 E | | 100 | SOUTH | 2210 | EAST | LEA |
| ¹² Dedicated Acres 320 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. | | | | | | |

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

| | |
|--|---|
| | <p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jennifer Elrod</i> 01/13/2021 Signature Date</p> <p>JENNIFER ELROD Printed Name</p> <p>JELROD@CHISHOLMENERGY.COM E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JANUARY 12, 2021 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor: <i>[Seal]</i></p> <p>Certificate Number: 12797 Surveyor No. 7553E</p> |
|--|---|

Intent ☒ As Drilled ☐

| | | |
|--|---|-------------------|
| API # 30-025-48037 | | |
| Operator Name: CHISHOLM ENERGY OPERATING, LLC | Property Name: DIAMONDBACK 24-25 FED COM 1BS | Well Number 4H |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| A | 24 | 19S | 32E | | 250 | NORTH | 735 | EAST | LEA |
| Latitude 32.6523693 | | | | | Longitude 103.7135479 | | | | NAD 83 |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| B | 24 | 19S | 32E | | 100 | NORTH | 2210 | EAST | LEA |
| Latitude 32.6527895 | | | | | Longitude 103.7183398 | | | | NAD 83 |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|------------------------|---------|----------|-------|-----|--------------------------|----------|------|----------|-----------|
| O | 25 | 19S | 32E | | 100 | SOUTH | 2210 | EAST | LEA |
| Latitude 32.6243005 | | | | | Longitude 103.7182938 | | | | NAD 83 |

Is this well the defining well for the Horizontal Spacing Unit?

☐ NO

Is this well an infill well?

☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

| | | |
|--|---|-------------------|
| API # 30-025-45006 | | |
| Operator Name: CHISHOLM ENERGY OPERATING, LLC | Property Name: DIAMONDBACK 24-25 FED 2BS COM | Well Number 1H |

KZ 06/29/2018

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Notice of Intent

Type of Submission: Notice of Intent

Type of Action APD Change

Date Sundry Submitted: 02/03/2021

Time Sundry Submitted: 03:17

Date proposed operation will begin: 01/13/2021

Procedure Description: Change LP/FTP From: 100 FNL/1510 FEL To: 100 FNL/2210 FEL Change LTP/BHL From: 100 FSL/1510 FEL To: 100 FSL/2210 FEL Revised Directional Plan and C-102 Attached Sundry was approved to amend SHL on 12/04/2020; but it is not reflected on the APD, so I updated the SHL on the APD as well. I ALSO thought this had already been submitted on the day I signed it, but it looks as if it did not get submitted.

Application

| | | |
|--|--|---|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Section 1 - General

| | | |
|---|--|--|
| APD ID: 10400052667 | Tie to previous NOS? Y | Submission Date: 12/19/2019 |
| BLM Office: CARLSBAD | User: JENNIFER ELROD | Title: Senior Regulatory Technician |
| Federal/Indian APD: FED | Is the first lease penetrated for production Federal or Indian? FED | |
| Lease number: NMNM086144 | Lease Acres: | |
| Surface access agreement in place? | Allotted? | Reservation: |
| Agreement in place? NO | Federal or Indian agreement: | |
| Agreement number: | | |
| Agreement name: | | |
| Keep application confidential? N | | |
| Permitting Agent? NO | APD Operator: CHISHOLM ENERGY OPERATING LLC | |
| Operator letter of designation: | | |

Operator Info

| | | |
|--|-------------------|--|
| Operator Organization Name: CHISHOLM ENERGY OPERATING LLC | | |
| Operator Address: 801 Cherry St., Suite 1200 Unit 20 | Zip: 76102 | |
| Operator PO Box: | | |
| Operator City: Fort Worth | State: TX | |
| Operator Phone: (817)469-1104 | | |
| Operator Internet Address: | | |

Section 2 - Well Information

| | | |
|--|---|--|
| Well in Master Development Plan? NO | Master Development Plan name: | |
| Well in Master SUPO? EXISTING | Master SUPO name: JE | |
| Well in Master Drilling Plan? EXISTING | Master Drilling Plan name: DIAMONDBACK | |
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Number: 4H | Well API Number: 3002548037 |
| Field/Pool or Exploratory? Field and Pool | Field Name: LUSK | Pool Name: BONE SPRING, EAST |
| Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS | | |
| Is the proposed well in a Helium production area? N | Use Existing Well Pad? N | New surface disturbance? |
| Type of Well Pad: MULTIPLE WELL | Multiple Well Pad Name: DIAMONDBACK PAD 1 | Number: 1H, 2H, 3H, 4H, 5H |
| Well Class: HORIZONTAL | Number of Legs: 1 | |
| Well Work Type: Drill | | |
| Well Type: OIL WELL | | |
| Describe Well Type: | | |

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Is the proposed well in an area containing other mineral resources? USEABLE WATER,NATURAL GAS

Well sub-Type: INFILL

Describe sub-type:

Distance to town: 12 Miles

Distance to nearest well: 60 FT

Distance to lease line: 125 FT

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat: DIAMONDBACK_24_25_FED_1BS_COM_4H_REV_APD_C102_2__01132021_20210114122632.pdf

Well work start Date: 05/01/2020

Duration: 30 DAYS

Section 3 - Well Location Table

Survey Type: RECTANGULAR

Describe Survey Type:

Datum: NAD83

Vertical Datum: NAVD88

Survey number: 7553A

Reference Datum: GROUND LEVEL

| Wellbore | NS-Foot | NS Indicator | EW-Foot | EW Indicator | Twsp | Range | Section | Aliquot/Lot/Tract | Latitude | Longitude | County | State | Meridian | Lease Type | Lease Number | Elevation | MD | TVD | Will this well produce from this lease? |
|--------------|---------|--------------|---------|--------------|------|-------|---------|-------------------|------------|--------------|--------|------------|------------|------------|--------------|-----------|-------|------|---|
| SHL Leg #1 | 250 | FNL | 735 | FEL | 19S | 32E | 24 | Aliquot NENE | 32.6523692 | -103.7135479 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | 3621 | 0 | 0 | N |
| KOP Leg #1 | 250 | FNL | 735 | FEL | 19S | 32E | 24 | Aliquot NENE | 32.6523692 | -103.7135479 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | -4732 | 8408 | 8353 | N |
| PPP Leg #1-1 | 2637 | FSL | 1499 | FEL | 19S | 32E | 24 | Aliquot NESE | 32.65788 | -103.718071 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM0077006 | -6150 | 11650 | 9771 | Y |
| PPP Leg #1-2 | 100 | FNL | 2210 | FEL | 19S | 32E | 24 | Aliquot NWNE | 32.6527895 | -103.7183398 | LEA | NEW MEXICO | NEW MEXICO | F | NMNM086144 | -5334 | 9299 | 8955 | Y |

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

| Wellbore | NS-Foot | NS Indicator | EW-Foot | EW Indicator | Twsp | Range | Section | Aliquot/Lot/Tract | Latitude | Longitude | County | State | Meridian | Lease Type | Lease Number | Elevation | MD | TVD | Will this well produce from this lease? |
|-------------|---------|--------------|---------|--------------|------|-------|---------|-------------------|------------|--------------|--------|-------------|-------------|------------|--------------|-----------|-------|------|---|
| EXIT Leg #1 | 100 | FSL | 2210 | FEL | 19S | 32E | 25 | Aliquot SWSE | 32.6243006 | -103.7182938 | LEA | NEW MEXI CO | NEW MEXI CO | F | NMNM 012413 | -6265 | 19763 | 9886 | Y |
| BHL Leg #1 | 100 | FSL | 2210 | FEL | 19S | 32E | 25 | Aliquot SWSE | 32.6243006 | -103.7182938 | LEA | NEW MEXI CO | NEW MEXI CO | F | NMNM 012413 | -6265 | 19763 | 9886 | Y |

Drilling Plan

Section 1 - Geologic Formations

| Formation ID | Formation Name | Elevation | True Vertical Depth | Measured Depth | Lithologies | Mineral Resources | Producing Formation |
|--------------|-----------------|-----------|---------------------|----------------|-----------------------------|-------------------|---------------------|
| 1380364 | RUSTLER | 3621 | 1214 | 1214 | ANHYDRITE | NONE | N |
| 1380365 | SALADO | 2096 | 1525 | 1525 | SALT | NONE | N |
| 1380370 | YATES | 460 | 3161 | 3161 | SANDSTONE, SHALE | NONE | N |
| 1380366 | CAPITAN REEF | -2892 | 3352 | 3352 | DOLOMITE, LIMESTONE | NONE | N |
| 1380367 | DELAWARE | -1906 | 5527 | 5527 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | N |
| 1380368 | BONE SPRING | -4065 | 7686 | 7686 | LIMESTONE, SHALE | NATURAL GAS, OIL | N |
| 1380369 | BONE SPRING 1ST | -5202 | 8823 | 8823 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | N |
| 1380371 | BONE SPRING 2ND | -5837 | 9458 | 9458 | SANDSTONE, SHALE, SILTSTONE | NATURAL GAS, OIL | Y |

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 12500

Equipment: Rotating head, remote kill line, mud gas sperator

Requesting Variance? YES

Variance request: WE PROPOSE UTILIZING A CACTUS SPEED HEAD MULTI-BOWL WELLHEAD FOR THIS WELL. PLEASE SEE ATTACHED DIAGRAM AND PRESSURE TESTING STATEMENT. ALSO WE REQUEST TO USE A FLEX CHOKE HOSE; PLEASE SEE ATTACHMENT.

Testing Procedure: BOP testing procedure -N/U the rigs BOP. Use 3rd party testers to perform the following: -Test the pipe rams, blind rams, floor valves (IBOP and/or upper Kelly valve), choke lines and manifold to 250 psi/5,000 psi with a test plug and a test pump. -Test the Hydril annular to 250 psi/2,500 psi with same as above.

Choke Diagram Attachment:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Number: 4H

Lease Number: NMNM86144

US Well Number: 300254803700X1

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

Type of Well: OIL WELL

Unit or CA Name:

Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

5M_Choke_Manifold_Diagram_20171019093052.pdf

BOP Diagram Attachment:

- 5m_BOP_Diagram_2_20191219074124.pdf
- 5m_BOP_Diagram_20191219074124.pdf

Section 3 - Casing

| Casing ID | String Type | Hole Size | Csg Size | Condition | Standard | Tapered String | Top Set MD | Bottom Set MD | Top Set TVD | Bottom Set TVD | Top Set MSL | Bottom Set MSL | Calculated casing length MD | Grade | Weight | Joint Type | Collapse SF | Burst SF | Joint SF Type | Joint SF | Body SF Type |
|-----------|--------------|-----------|----------|-----------|----------|----------------|------------|---------------|-------------|----------------|-------------|----------------|-----------------------------|-------|--------|------------|-------------|----------|---------------|----------|--------------|
| 1 | SURFACE | 17.5 | 13.375 | NEW | API | N | 0 | 1250 | 0 | 1250 | 3621 | 2371 | 1250 | J-55 | 54.5 | BUTT | 1.93 | 4.67 | DRY | 13.34 | DRY |
| 2 | INTERMEDIATE | 12.25 | 9.625 | NEW | API | N | 0 | 5575 | 0 | 5575 | 3620 | -1954 | 5575 | J-55 | 40 | LT&C | 1.74 | 1.34 | DRY | 2.33 | DRY |
| 3 | PRODUCTION | 8.75 | 5.5 | NEW | API | N | 0 | 19763 | 0 | 9886 | 3621 | -6265 | 19763 | P-110 | 20 | BUTT | 2.27 | 2.59 | DRY | 3.37 | DRY |

Casing Attachments

Casing ID: 1 String Type: SURFACE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219131940.pdf

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Casing Attachments

Casing ID: 2String Type:INTERMEDIATE

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219132039.pdf

Casing ID: 3String Type:PRODUCTION

Inspection Document:

Spec Document:

Tapered String Spec:

Casing Design Assumptions and Worksheet(s):

Casing_Calculator___Diamondback_24_25_Fed_Com_2BS_4H_20191219132138.pdf

Section 4 - Cement

| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
|--------------|-----------|------------------|--------|-----------|--------------|-------|---------|-------|---------|-------------|--|
| INTERMEDIATE | Lead | 3000 | 0 | 300 | 885 | 2.37 | 11.5 | 2097 | 200 | CLASS C | Bentonite, Compressive Strength Enhancer, Silica Fume Alternative, Fluid Loss, Defoamer, Sodium Metasilicate, Retarder |

| | | | | | | | | | | | |
|---------|------|--|-----|------|-----|------|------|------|-----|---------|--|
| SURFACE | Lead | | 0 | 800 | 555 | 2 | 12.8 | 1116 | 100 | Class C | Sodium Metasilicate, Defoamer, KCL, Kol-Seal, Cellophane Flakes, ROF SealCheck |
| SURFACE | Tail | | 800 | 1250 | 470 | 1.33 | 14.8 | 625 | 100 | Class C | Fluid Loss, Dispercent, Retarder |

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Number: 4H

Lease Number: NMNM86144

US Well Number: 300254803700X1

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

Type of Well: OIL WELL

Unit or CA Name:

Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

| String Type | Lead/Tail | Stage Tool Depth | Top MD | Bottom MD | Quantity(sx) | Yield | Density | Cu Ft | Excess% | Cement type | Additives |
|--------------|-----------|---------------------|--------|-----------|--------------|-------|---------|-------|---------|-------------|---|
| INTERMEDIATE | Lead | 3000 | 3000 | 5075 | 550 | 2.37 | 11.5 | 1304 | 100 | Class C | Bentonite, Compressive Strength Enhancer, Silica Fume Alternative, Fluid Loss, Defoamer, Sodium Metasilicate, Retarder |
| INTERMEDIATE | Tail | | 5075 | 5575 | 290 | 1.08 | 14.8 | 313 | 100 | Class C | Fluid Loss, Suspension Agent, Retarder, Defoamer, Dispersant |
| PRODUCTION | Lead | | 4500 | 8200 | 405 | 2.62 | 11.3 | 1061 | 15 | Class H | Sodium Metasilicate, Defoamer, KCL |
| PRODUCTION | Tail | | 8200 | 1976 3 | 1680 | 1.82 | 13.2 | 3058 | 15 | Class H | none |

Section 5 - Circulating Medium

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: Pason PVT system will be in place throughout the well as well as visual checks

Circulating Medium Table

| Top Depth | Bottom Depth | Mud Type | Min Weight (lbs/gal) | Max Weight (lbs/gal) | Density (lbs/cu ft) | Gel Strength (lbs/100 sqft) | PH | Viscosity (CP) | Salinity (ppm) | Filtration (cc) | Additional Characteristics |
|-----------|--------------|----------------|----------------------|----------------------|---------------------|-----------------------------|----|----------------|----------------|-----------------|------------------------------|
| 0 | 1250 | SPUD MUD | 8.5 | 9.2 | | | | | | | 32-38 fv 4-6 PV 2-5 YP |
| 1250 | 5575 | SALT SATURATED | 10 | 10.3 | | | | | | | 28-32 FV |
| 5575 | 1976 3 | OIL-BASED MUD | 9 | 9.5 | | | | | | | 15-20 PV 8-12 YP |

Received by OCD: 7/1/2021 12:12:44 PM

Page 31 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
none

List of open and cased hole logs run in the well:
CEMENT BOND LOG,DIRECTIONAL SURVEY,GAMMA RAY LOG,MEASUREMENT WHILE DRILLING,

Coring operation description for the well:
none

Section 7 - Pressure

Anticipated Bottom Hole Pressure: 4883 Anticipated Surface Pressure: 2708

Anticipated Bottom Hole Temperature(F): 163

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:
Lea_County_H2S_plan_20180517150448.pdf

Section 8 - Other Information

Proposed horizontal/directional/multi-lateral plan submission:
Rev_Dir_Plan_Chisholm_Diamondback_24_25_Fed_1BS_Com_4H_Rev3_CVS_12Jan21_20210114122502.pdf

Other proposed operations facets description:
WBD ATTACHED

Other proposed operations facets attachment:
Chisholm_Energy___Diamondback_24_25_Fed_Com_2BS_4H___WBD_20191219131832.pdf

Other Variance attachment:
Cactus_Speed_Head_Installation_Procedure_20180517150527.pdf
Cactus_Speed_Head_Pressure_Testing_Statement_20180517150528.pdf
Cactus_Speedhead_Diagram_20180517150528.pdf
Choke_Hose_M55_1_07102017_145204_66_1225_04_14_2014___20180517150528.pdf

SUPO

Received by OCD: 7/1/2021 12:12:44 PM

Page 32 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Section 1 - Existing Roads

Will existing roads be used? YES

Existing Road Map:
DIAMONDBACK_24_25_FED_COM_2BS_4H_ACCESS_ROUTE_MAP_12182019_20191219120120.pdf

Existing Road Purpose: ACCESS,FLUID TRANSPORT

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

Existing Road Improvement Description:

Existing Road Improvement Attachment:

Section 2 - New or Reconstructed Access Roads

Will new roads be needed? NO

Section 3 - Location of Existing Wells

Existing Wells Map? YES

Attach Well map:
DIAMONDBACK_24_25_FED_COM_2BS_4H_MILE_RADIUS_MAP_12182019_20191219120150.pdf

Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

Estimated Production Facilities description: If well is productive, a tank battery will be installed on well pad. Tank battery construction and instillation plans will be submitted via Sundry Notice.

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Section 5 - Location and Types of Water Supply

Water Source Table

Water source type: GW WELL

Water source use type:

SURFACE CASING
STIMULATION
INTERMEDIATE/PRODUCTION
CASING

Source latitude:

Source longitude:

Source datum:

Water source permit type:

PRIVATE CONTRACT

Water source transport method:

PIPELINE

Source land ownership: PRIVATE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 120000

Source volume (acre-feet): 15.467172

Source volume (gal): 5040000

Water source and transportation map:
DIAMONDBACK_WATER_MAP_20191219090705.pdf

Water source comments: This location will be drilled using a combination of water mud systems (outlined in the Drilling Program). The water will be obtained from commercial water stations in the area and hauled to location by transport truck using the existing and proposed roads described and depicted on the "Vicinity Map". On occasion, water will be obtained from a pre-existing water well, running a pump directly to the drill rig. In cases where a poly pipeline is used to transport water for drilling purposes, proper authorizations will be secured. If a poly pipeline is used, the size, distance, and map showing route will be provided to the BLM via sundry notice.
New water well? N

New Water Well Info

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

Aquifer comments:

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

New water well casing?

Used casing source:

Drilling method:

Drill material:

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

Well Production type:

Completion Method:

Water well additional information:

State appropriation permit:

Additional information attachment:

Section 6 - Construction Materials

Using any construction materials: YES

Construction Materials description: Construction materials from the location will be used. No additional needs are anticipated.

Construction Materials source location attachment:

Section 7 - Methods for Handling Waste

Waste type: COMPLETIONS/STIMULATION

Waste content description: Completions Fluids

Amount of waste: 2000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL
FACILITY

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: DRILLING

Waste content description: Drilling Fluids and Cuttings

Amount of waste: 6000 barrels

Waste disposal frequency : Daily

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL
FACILITY

Disposal type description:

Disposal location description: Trucked to approved disposal facility

Waste type: SEWAGE

Waste content description: Human Waste

Amount of waste: 50 pounds

Waste disposal frequency : Weekly

Safe containment description: Portable Toilets

| | | |
|--|--|---|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Serviced by toilet rental company

Waste type: PRODUCED WATER

Waste content description: Produced water

Amount of waste: 4000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Steel Tanks

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** PRIVATE

Disposal type description: Private

Disposal location description: Trucked to tank battery

Waste type: GARBAGE

Waste content description: Trash and Debris

Amount of waste: 200 pounds

Waste disposal frequency : One Time Only

Safe containment description: roll off bin with netted top

Safe containmant attachment:

Waste disposal type: HAUL TO COMMERCIAL FACILITY **Disposal location ownership:** COMMERCIAL

Disposal type description:

Disposal location description: Truck to commercial waste facility

Waste type: FLOWBACK

Waste content description: Oil

Amount of waste: 1000 barrels

Waste disposal frequency : One Time Only

Safe containment description: Frac Tanks

Safe containmant attachment:

Waste disposal type: OTHER **Disposal location ownership:** PRIVATE

Disposal type description: Private

Disposal location description: Haul to tank battery

Reserve Pit

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Reserve Pit being used? N

Temporary disposal of produced water into reserve pit? NO

Reserve pit length (ft.) Reserve pit width (ft.)

Reserve pit depth (ft.) Reserve pit volume (cu. yd.)

Is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

Cuttings Area

Cuttings Area being used? NO

Are you storing cuttings on location? Y

Description of cuttings location Stored in steel bin and hauled to disposal site by truck

Cuttings area length (ft.) Cuttings area width (ft.)

Cuttings area depth (ft.) Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Section 8 - Ancillary Facilities

Are you requesting any Ancillary Facilities?: N

Ancillary Facilities attachment:

Comments:

Section 9 - Well Site Layout

Well Site Layout Diagram:

DIAMONDBACK_24_25_FED_COM_2BS_4H_SITE_MAP_12182019_20191219121027.pdf

Comments:

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Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Number: 4H

Lease Number: NMNM86144

US Well Number: 300254803700X1

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

Type of Well: OIL WELL

Unit or CA Name:

Well Status: Drilling Well

County or Parish/State: LEA /
NM

Allottee or Tribe Name:

Unit or CA Number:

Operator: CHISHOLM ENERGY
OPERATING LLC

Page 37 of 45

Section 10 - Plans for Surface Reclamation

Type of disturbance: No New Surface Disturbance

Multiple Well Pad Name: DIAMONDBACK PAD 1

Multiple Well Pad Number: 1H, 2H, 3H, 4H, 5H

Recontouring attachment:

Drainage/Erosion control construction: Drainage systems, if an, will be reshaped to the original configuration with provisions made to alleviate erosion.

Drainage/Erosion control reclamation: Any portion of the site that is not needed for future operations will be reclaimed to the original state as much as possible.

Well pad proposed disturbance (acres):

Road proposed disturbance (acres):

Powerline proposed disturbance (acres):

Pipeline proposed disturbance (acres):

Other proposed disturbance (acres):

Total proposed disturbance: 0

Well pad interim reclamation (acres): 0

Road interim reclamation (acres): 0

Powerline interim reclamation (acres): 0

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 0

Well pad long term disturbance (acres): 0

Road long term disturbance (acres): 0

Powerline long term disturbance (acres): 0

Pipeline long term disturbance (acres): 0

Other long term disturbance (acres): 0

Total long term disturbance: 0

Disturbance Comments:

Reconstruction method: No interim reclamation planned due to future development on this pad, as well as tank battery construction if the well is productive.

Topsoil redistribution: After the area has been reshaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible.

Soil treatment: No treatment necessary

Existing Vegetation at the well pad: mesquite, shinnery oak

Existing Vegetation at the well pad attachment:

Existing Vegetation Community at the road: mesquite, shinnery oak

Existing Vegetation Community at the road attachment:

Existing Vegetation Community at the pipeline: mesquite, shinnery oak

Existing Vegetation Community at the pipeline attachment:

Existing Vegetation Community at other disturbances: no other disturbance

Existing Vegetation Community at other disturbances attachment:

Non native seed used? N

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? N

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? N

Seed harvest description:

Seed harvest description attachment:

Seed Management

Seed Table

Seed type: PERENNIAL GRASS

Seed source: COMMERCIAL

Seed name: LPC-Seed Mix 2

Source address:

Source name:

Source phone:

Seed cultivar:

Seed use location: WELL PAD

PLS pounds per acre: 5

Proposed seeding season: SPRING

| Seed Summary | |
|--------------|-------------|
| Seed Type | Pounds/Acre |

PERENNIAL GRASS 5

Total pounds/Acre: 5

Seed reclamation attachment:

Operator Contact/Responsible Official Contact Info

First Name:

Last Name:

Phone:

Email:

Seedbed prep: Rip and add topsoil

Seed BMP:

Seed method:

Existing invasive species? N

Existing invasive species treatment description:

Existing invasive species treatment attachment:

Weed treatment plan description: All areas will be monitored, and weeds will be treated

Weed treatment plan attachment:

Monitoring plan description: Monitoring by lease operators during each visit

Monitoring plan attachment:

Success standards: N/A

Pit closure description: No pit, utilizing closed loop system

Received by OCD: 7/1/2021 12:12:44 PM

Page 39 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Pit closure attachment:

Section 11 - Surface Ownership

Disturbance type: WELL PAD

Describe:

Surface Owner: BUREAU OF LAND MANAGEMENT

Other surface owner description:

BIA Local Office:

BOR Local Office:

COE Local Office:

DOD Local Office:

NPS Local Office:

State Local Office:

Military Local Office:

USFWS Local Office:

Other Local Office:

USFS Region:

USFS Forest/Grassland:

USFS Ranger District:

Section 12 - Other Information

Right of Way needed? N

Use APD as ROW?

ROW Type(s):

ROW Applications

SUPO Additional Information: The Diamondback 24-25 Fed 2BS 5H wellbore goes through BLM leases: NMNM086144, NMNM0077006, and NMNM012413;
Use a previously conducted onsite? Y

Previous Onsite information: Onsite was conducted 09/26/2017.This will be an infill well on drilled pad.

Other SUPO Attachment

Received by OCD: 7/1/2021 12:12:44 PM

Page 40 of 45

| | | |
|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

DIAMONDBACK_24_25_FED_COM_2BS_4H___5H_APD_RECEIPT_12182019_20191219122434.pdf
DIAMONDBACK_24_25_FED_2BS_4H_GCP_121919_20191219122452.pdf
DIAMONDBACK_24_25_FED_COM_2BS_4H_VICINITY_MAP_12182019_20191219120459.pdf
DIAMONDBACK_24_25_FED_COM_2BS_4H_AERIAL_MAP_12182019_20191219120459.pdf
DIAMONDBACK_24_25_FED_COM_2BS_4H_LOC_VERIFICATION_MAP_12182019_20191219120500.pdf

PWD

Section 1 - General

Would you like to address long-term produced water disposal? NO

Section 2 - Lined Pits

Would you like to utilize Lined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? N

Produced Water Disposal (PWD) Location:

PWD disturbance (acres): PWD surface owner:

Unlined pit PWD on or off channel:

Unlined pit PWD discharge volume (bbl/day):

Unlined pit specifications:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Unlined pit precipitated solids disposal schedule:

Unlined pit precipitated solids disposal schedule attachment:

Unlined pit reclamation description:

Unlined pit reclamation attachment:

Unlined pit Monitor description:

Unlined pit Monitor attachment:

Do you propose to put the produced water to beneficial use?

Beneficial use user confirmation:

Estimated depth of the shallowest aquifer (feet):

Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected?

TDS lab results:

Geologic and hydrologic evidence:

State authorization:

Unlined Produced Water Pit Estimated percolation:

Unlined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Unlined pit bond number:

Unlined pit bond amount:

Additional bond information attachment:

Received by OCD: 7/1/2021 12:12:44 PM

Well Name: DIAMONDBACK 24-25
FED COM 2BS

Well Location: T19S / R32E / SEC 24 /
NENE / 32.6523691 / -103.7136455

County or Parish/State: LEA /
NM

Well Number: 4H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM86144

Unit or CA Name:

Unit or CA Number:

US Well Number: 300254803700X1

Well Status: Drilling Well

Operator: CHISHOLM ENERGY
OPERATING LLC

Section 4 - Injection

Would you like to utilize Injection PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:

Injection well number: Injection well name:

Assigned injection well API number? Injection well API number:

Injection well new surface disturbance (acres):

Minerals protection information:

Mineral protection attachment:

Underground Injection Control (UIC) Permit?

UIC Permit attachment:

Section 5 - Surface Discharge

Would you like to utilize Surface Discharge PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Surface discharge PWD discharge volume (bbl/day):

Surface Discharge NPDES Permit?

Surface Discharge NPDES Permit attachment:

Surface Discharge site facilities information:

Surface discharge site facilities map:

Section 6 - Other

Would you like to utilize Other PWD options? N

Produced Water Disposal (PWD) Location:

PWD surface owner: PWD disturbance (acres):

Other PWD discharge volume (bbl/day):

Other PWD type description:

Other PWD type attachment:

Have other regulatory requirements been met?

Other regulatory requirements attachment:

Received by OCD: 7/1/2021 12:12:44 PM

Page 43 of 45

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|---|---|--|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Operator Certification

Operator Certification

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

| | |
|---|-----------------------|
| NAME: JENNIFER ELROD | Signed on: 01/14/2021 |
| Title: Senior Regulatory Technician | |
| Street Address: 801 CHERRY STREET, SUITE 1200-UNIT 20 | |
| City: Fort Worth | State: TX |
| | Zip: 76102 |
| Phone: (817)953-3728 | |
| Email address: jelrod@chisholmenergy.com | |

Field Representative

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

Received by OCD: 7/1/2021 12:12:44 PM

Page 44 of 45

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|--|--|---|
| Well Name: DIAMONDBACK 24-25 FED COM 2BS | Well Location: T19S / R32E / SEC 24 / NENE / 32.6523691 / -103.7136455 | County or Parish/State: LEA / NM |
| Well Number: 4H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM86144 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 300254803700X1 | Well Status: Drilling Well | Operator: CHISHOLM ENERGY OPERATING LLC |

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

| | |
|---|---|
| Operator Electronic Signature: ELROD | Signed on: JAN 14, 2021 12:25 PM |
| Name: CHISHOLM ENERGY OPERATING LLC | |
| Title: Senior Regulatory Technician | |
| Street Address: 801 CHERRY STREET SUITE 1200 UNIT 20 | |
| City: FORT WORTH | State: TX |
| Phone: (817) 953-6063 | |
| Email address: info@chisholmenergy.com | |

Field Representative

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 34628

CONDITIONS

| | |
|--|--|
| Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102 | OGRID: 372137 |
| | Action Number: 34628 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| pkautz | None | 9/14/2021 |