**CASE NO. 22044**

**APPLICATION OF CAZA PETROLEUM, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO**

EXHIBITS (Part II)

1. Application and Proposed Notice
2. Landman's Affidavit (David Gibson)
3. Geologist's Affidavits (Richard Carroll)
4. Affidavit of Certified Notice
5. Publication Notice
6. Pooling Checklist

Released to Imaging: 2/16/2022 8:45:42 AM

Received by OCD: 2/16/2022 6:46:11 AM

Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Project** Desert Rose 17-8 Federal 14H

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1983 | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | North American Datum 1983 | | |
| **Map Zone:** | New Mexico Eastern Zone | | |

**Site** Desert Rose 17-8 Federal 14H

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 570,850.48 usft | **Latitude:** | 32° 33' 59.171 N |
| **From:** | Map | **Easting:** | 803,782.11 usft | **Longitude:** | 103° 28' 53.183 W |
| **Position Uncertainty:** | 1.0 usft | **Slot Radius:** | 17-1/2 " | **Grid Convergence:** | 0.46 ° |

**Well** Desert Rose 17-8 Federal 14H

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.0 usft | **Northing:** | 570,850.48 usft | **Latitude:** | 32° 33' 59.171 N |
| | **+E/-W** | 0.0 usft | **Easting:** | 803,782.11 usft | **Longitude:** | 103° 28' 53.183 W |
| **Position Uncertainty** | | 1.0 usft | **Wellhead Elevation:** | usft | **Ground Level:** | 3,693.0 usft |

**Wellbore** Desert Rose 17-8 Federal 14H

| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
|---|---|---|---|---|---|
| | IGRF2010 | 11/15/2019 | 6.52 | 60.30 | 47,985 |

**Design** 191115 Desert Rose 17-8 Federal 14H

**Audit Notes:**

| | | | | |
|---|---|---|---|---|
| **Version:** | **Phase:** | PLAN | **Tie On Depth:** | 0.0 |

| **Vertical Section:** | **Depth From (TVD) (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Direction (°)** |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 1.27 |

**Survey Tool Program** **Date** 11/15/2019

| **From (usft)** | **To (usft)** | **Survey (Wellbore)** | **Tool Name** | **Description** |
|---|---|---|---|---|
| 0.0 | 19,388.0 | 191115 Desert Rose 17-8 Federal 14H (De | MWD | MWD - Standard |



ATTACHMENT D

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Caza Petroleum

# Morcor Engineering

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| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | -3,715.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | -3,615.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 120.0 | 0.00 | 0.00 | 120.0 | -3,595.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **20" Conductor** | | | | | | | | | | |
| 200.0 | 0.00 | 0.00 | 200.0 | -3,515.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | -3,415.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | -3,315.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | -3,215.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | -3,115.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 700.0 | 0.00 | 0.00 | 700.0 | -3,015.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 800.0 | 0.00 | 0.00 | 800.0 | -2,915.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | -2,815.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | -2,715.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | -2,615.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,200.0 | 0.00 | 0.00 | 1,200.0 | -2,515.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,300.0 | 0.00 | 0.00 | 1,300.0 | -2,415.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,400.0 | 0.00 | 0.00 | 1,400.0 | -2,315.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,500.0 | 0.00 | 0.00 | 1,500.0 | -2,215.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,600.0 | 0.00 | 0.00 | 1,600.0 | -2,115.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,700.0 | 0.00 | 0.00 | 1,700.0 | -2,015.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | -1,915.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,900.0 | 0.00 | 0.00 | 1,900.0 | -1,815.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 1,923.0 | 0.00 | 0.00 | 1,923.0 | -1,792.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Rustler** | | | | | | | | | | |
| 2,000.0 | 0.00 | 0.00 | 2,000.0 | -1,715.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,100.0 | 0.00 | 0.00 | 2,100.0 | -1,615.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,150.0 | 0.00 | 0.00 | 2,150.0 | -1,565.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **13 3/8" Surface Casing** | | | | | | | | | | |

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| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,200.0 | 0.00 | 0.00 | 2,200.0 | -1,515.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,268.0 | 0.00 | 0.00 | 2,268.0 | -1,447.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Top of Salt** | | | | | | | | | | |
| 2,300.0 | 0.00 | 0.00 | 2,300.0 | -1,415.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,400.0 | 0.00 | 0.00 | 2,400.0 | -1,315.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,500.0 | 0.00 | 0.00 | 2,500.0 | -1,215.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,600.0 | 0.00 | 0.00 | 2,600.0 | -1,115.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,700.0 | 0.00 | 0.00 | 2,700.0 | -1,015.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,800.0 | 0.00 | 0.00 | 2,800.0 | -915.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 2,900.0 | 0.00 | 0.00 | 2,900.0 | -815.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,000.0 | 0.00 | 0.00 | 3,000.0 | -715.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,100.0 | 0.00 | 0.00 | 3,100.0 | -615.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,200.0 | 0.00 | 0.00 | 3,200.0 | -515.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,300.0 | 0.00 | 0.00 | 3,300.0 | -415.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,400.0 | 0.00 | 0.00 | 3,400.0 | -315.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,500.0 | 0.00 | 0.00 | 3,500.0 | -215.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,598.0 | 0.00 | 0.00 | 3,598.0 | -117.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Base of Salt** | | | | | | | | | | |
| 3,600.0 | 0.00 | 0.00 | 3,600.0 | -115.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,700.0 | -15.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,800.0 | 85.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,900.0 | 185.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,000.0 | 0.00 | 0.00 | 4,000.0 | 285.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,100.0 | 0.00 | 0.00 | 4,100.0 | 385.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,138.0 | 0.00 | 0.00 | 4,138.0 | 423.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Capitan** | | | | | | | | | | |
| 4,200.0 | 0.00 | 0.00 | 4,200.0 | 485.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,300.0 | 0.00 | 0.00 | 4,300.0 | 585.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |

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| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 4,400.0 | 0.00 | 0.00 | 4,400.0 | 685.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,500.0 | 0.00 | 0.00 | 4,500.0 | 785.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,600.0 | 0.00 | 0.00 | 4,600.0 | 885.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,700.0 | 0.00 | 0.00 | 4,700.0 | 985.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,800.0 | 0.00 | 0.00 | 4,800.0 | 1,085.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 4,900.0 | 0.00 | 0.00 | 4,900.0 | 1,185.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,000.0 | 0.00 | 0.00 | 5,000.0 | 1,285.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,100.0 | 0.00 | 0.00 | 5,100.0 | 1,385.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,200.0 | 0.00 | 0.00 | 5,200.0 | 1,485.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,300.0 | 0.00 | 0.00 | 5,300.0 | 1,585.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,400.0 | 0.00 | 0.00 | 5,400.0 | 1,685.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,500.0 | 0.00 | 0.00 | 5,500.0 | 1,785.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,600.0 | 0.00 | 0.00 | 5,600.0 | 1,885.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,632.0 | 0.00 | 0.00 | 5,632.0 | 1,917.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **9 5/8" Intermediate Casing** | | | | | | | | | | |
| 5,658.0 | 0.00 | 0.00 | 5,658.0 | 1,943.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Delaware** | | | | | | | | | | |
| 5,700.0 | 0.00 | 0.00 | 5,700.0 | 1,985.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,800.0 | 0.00 | 0.00 | 5,800.0 | 2,085.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 5,900.0 | 0.00 | 0.00 | 5,900.0 | 2,185.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,000.0 | 0.00 | 0.00 | 6,000.0 | 2,285.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,100.0 | 0.00 | 0.00 | 6,100.0 | 2,385.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,200.0 | 0.00 | 0.00 | 6,200.0 | 2,485.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,300.0 | 0.00 | 0.00 | 6,300.0 | 2,585.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,400.0 | 0.00 | 0.00 | 6,400.0 | 2,685.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,500.0 | 0.00 | 0.00 | 6,500.0 | 2,785.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,600.0 | 2,885.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |



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## Morcor Standard Plan

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| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 6,700.0 | 0.00 | 0.00 | 6,700.0 | 2,985.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,800.0 | 3,085.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 6,900.0 | 0.00 | 0.00 | 6,900.0 | 3,185.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 7,000.0 | 3,285.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,100.0 | 0.00 | 0.00 | 7,100.0 | 3,385.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,200.0 | 3,485.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,300.0 | 0.00 | 0.00 | 7,300.0 | 3,585.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,400.0 | 3,685.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,500.0 | 0.00 | 0.00 | 7,500.0 | 3,785.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,600.0 | 0.00 | 0.00 | 7,600.0 | 3,885.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,700.0 | 0.00 | 0.00 | 7,700.0 | 3,985.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,800.0 | 0.00 | 0.00 | 7,800.0 | 4,085.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 7,900.0 | 0.00 | 0.00 | 7,900.0 | 4,185.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 8,000.0 | 0.00 | 0.00 | 8,000.0 | 4,285.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| 8,100.0 | 0.00 | 0.00 | 8,100.0 | 4,385.0 | 0.0 | 0.0 | 803,782.11 | 570,850.48 | 0.00 | 0.00 |
| **Start Build 3.00** | | | | | | | | | | |
| 8,200.0 | 3.00 | 128.00 | 8,200.0 | 4,485.0 | -1.6 | 2.1 | 803,784.17 | 570,848.87 | -1.57 | 3.00 |
| 8,300.0 | 6.00 | 128.00 | 8,299.6 | 4,584.6 | -6.4 | 8.2 | 803,790.35 | 570,844.04 | -6.26 | 3.00 |
| **Start 2600.0 hold at 8300.0 MD** | | | | | | | | | | |
| 8,400.0 | 6.00 | 128.00 | 8,399.1 | 4,684.1 | -12.9 | 16.5 | 803,798.59 | 570,837.60 | -12.51 | 0.00 |
| 8,454.2 | 6.00 | 128.00 | 8,453.0 | 4,738.0 | -16.4 | 20.9 | 803,803.06 | 570,834.11 | -15.90 | 0.00 |
| **Bone Spring** | | | | | | | | | | |
| 8,500.0 | 6.00 | 128.00 | 8,498.5 | 4,783.5 | -19.3 | 24.7 | 803,806.83 | 570,831.17 | -18.76 | 0.00 |
| 8,600.0 | 6.00 | 128.00 | 8,598.0 | 4,883.0 | -25.7 | 33.0 | 803,815.07 | 570,824.73 | -25.01 | 0.00 |
| 8,700.0 | 6.00 | 128.00 | 8,697.4 | 4,982.4 | -32.2 | 41.2 | 803,823.30 | 570,818.30 | -31.26 | 0.00 |
| 8,800.0 | 6.00 | 128.00 | 8,796.9 | 5,081.9 | -38.6 | 49.4 | 803,831.54 | 570,811.86 | -37.51 | 0.00 |
| 8,900.0 | 6.00 | 128.00 | 8,896.3 | 5,181.3 | -45.1 | 57.7 | 803,839.78 | 570,805.43 | -43.76 | 0.00 |
| 9,000.0 | 6.00 | 128.00 | 8,995.8 | 5,280.8 | -51.5 | 65.9 | 803,848.01 | 570,798.99 | -50.02 | 0.00 |

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Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 9,100.0 | 6.00 | 128.00 | 9,095.3 | 5,380.3 | -57.9 | 74.1 | 803,856.25 | 570,792.56 | -56.27 | 0.00 |
| 9,200.0 | 6.00 | 128.00 | 9,194.7 | 5,479.7 | -64.4 | 82.4 | 803,864.49 | 570,786.12 | -62.52 | 0.00 |
| 9,300.0 | 6.00 | 128.00 | 9,294.2 | 5,579.2 | -70.8 | 90.6 | 803,872.72 | 570,779.68 | -68.77 | 0.00 |
| 9,400.0 | 6.00 | 128.00 | 9,393.6 | 5,678.6 | -77.2 | 98.9 | 803,880.96 | 570,773.25 | -75.02 | 0.00 |
| 9,500.0 | 6.00 | 128.00 | 9,493.1 | 5,778.1 | -83.7 | 107.1 | 803,889.20 | 570,766.81 | -81.27 | 0.00 |
| 9,600.0 | 6.00 | 128.00 | 9,592.5 | 5,877.5 | -90.1 | 115.3 | 803,897.43 | 570,760.38 | -87.52 | 0.00 |
| 9,700.0 | 6.00 | 128.00 | 9,692.0 | 5,977.0 | -96.5 | 123.6 | 803,905.67 | 570,753.94 | -93.77 | 0.00 |
| 9,736.2 | 6.00 | 128.00 | 9,728.0 | 6,013.0 | -98.9 | 126.5 | 803,908.66 | 570,751.61 | -96.04 | 0.00 |
| **1st BS Sand** | | | | | | | | | | |
| 9,800.0 | 6.00 | 128.00 | 9,791.4 | 6,076.4 | -103.0 | 131.8 | 803,913.91 | 570,747.51 | -100.02 | 0.00 |
| 9,900.0 | 6.00 | 128.00 | 9,890.9 | 6,175.9 | -109.4 | 140.0 | 803,922.15 | 570,741.07 | -106.28 | 0.00 |
| 10,000.0 | 6.00 | 128.00 | 9,990.3 | 6,275.3 | -115.8 | 148.3 | 803,930.38 | 570,734.64 | -112.53 | 0.00 |
| 10,100.0 | 6.00 | 128.00 | 10,089.8 | 6,374.8 | -122.3 | 156.5 | 803,938.62 | 570,728.20 | -118.78 | 0.00 |
| 10,200.0 | 6.00 | 128.00 | 10,189.2 | 6,474.2 | -128.7 | 164.7 | 803,946.86 | 570,721.77 | -125.03 | 0.00 |
| 10,300.0 | 6.00 | 128.00 | 10,288.7 | 6,573.7 | -135.1 | 173.0 | 803,955.09 | 570,715.33 | -131.28 | 0.00 |
| 10,400.0 | 6.00 | 128.00 | 10,388.1 | 6,673.1 | -141.6 | 181.2 | 803,963.33 | 570,708.89 | -137.53 | 0.00 |
| 10,440.1 | 6.00 | 128.00 | 10,428.0 | 6,713.0 | -144.2 | 184.5 | 803,966.63 | 570,706.32 | -140.04 | 0.00 |
| **2nd BS Sand** | | | | | | | | | | |
| 10,500.0 | 6.00 | 128.00 | 10,487.6 | 6,772.6 | -148.0 | 189.5 | 803,971.57 | 570,702.46 | -143.78 | 0.00 |
| 10,600.0 | 6.00 | 128.00 | 10,587.0 | 6,872.0 | -154.5 | 197.7 | 803,979.80 | 570,696.02 | -150.03 | 0.00 |
| 10,700.0 | 6.00 | 128.00 | 10,686.5 | 6,971.5 | -160.9 | 205.9 | 803,988.04 | 570,689.59 | -156.29 | 0.00 |
| 10,800.0 | 6.00 | 128.00 | 10,785.9 | 7,070.9 | -167.3 | 214.2 | 803,996.28 | 570,683.15 | -162.54 | 0.00 |
| 10,900.0 | 6.00 | 128.00 | 10,885.4 | 7,170.4 | -173.8 | 222.4 | 804,004.52 | 570,676.72 | -168.79 | 0.00 |
| **Start Drop -3.00** | | | | | | | | | | |
| 10,967.9 | 3.96 | 128.00 | 10,953.0 | 7,238.0 | -177.4 | 227.0 | 804,009.16 | 570,673.09 | -172.31 | 3.00 |
| **2nd BS Lime** | | | | | | | | | | |
| 11,000.0 | 3.00 | 128.00 | 10,985.1 | 7,270.1 | -178.6 | 228.6 | 804,010.70 | 570,671.89 | -173.48 | 3.00 |

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Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 11,100.0 | 0.00 | 0.00 | 11,085.0 | 7,370.0 | -180.2 | 230.6 | 804,012.76 | 570,670.28 | -175.05 | 3.00 |
| **Start 94.0 hold at 11100.0 MD** | | | | | | | | | | |
| 11,194.0 | 0.00 | 0.00 | 11,179.0 | 7,464.0 | -180.2 | 230.6 | 804,012.76 | 570,670.28 | -175.05 | 0.00 |
| **Start Build 11.45** | | | | | | | | | | |
| 11,200.0 | 0.69 | 359.57 | 11,185.0 | 7,470.0 | -180.2 | 230.6 | 804,012.76 | 570,670.31 | -175.01 | 11.45 |
| 11,300.0 | 12.14 | 359.57 | 11,284.2 | 7,569.2 | -169.0 | 230.6 | 804,012.68 | 570,681.46 | -163.86 | 11.45 |
| 11,400.0 | 23.59 | 359.57 | 11,379.3 | 7,664.3 | -138.4 | 230.3 | 804,012.45 | 570,712.09 | -133.25 | 11.45 |
| 11,443.1 | 28.53 | 359.57 | 11,418.0 | 7,703.0 | -119.4 | 230.2 | 804,012.30 | 570,731.04 | -114.31 | 11.45 |
| **3rd BS Sand** | | | | | | | | | | |
| 11,500.0 | 35.04 | 359.57 | 11,466.3 | 7,751.3 | -89.5 | 230.0 | 804,012.08 | 570,760.97 | -84.38 | 11.45 |
| 11,600.0 | 46.50 | 359.57 | 11,541.9 | 7,826.9 | -24.3 | 229.5 | 804,011.59 | 570,826.17 | -19.22 | 11.45 |
| 11,667.6 | 54.24 | 359.57 | 11,585.0 | 7,870.0 | 27.7 | 229.1 | 804,011.20 | 570,878.20 | 32.79 | 11.45 |
| **Wolfcamp** | | | | | | | | | | |
| 11,700.0 | 57.95 | 359.57 | 11,603.1 | 7,888.1 | 54.6 | 228.9 | 804,011.00 | 570,905.07 | 59.66 | 11.45 |
| 11,800.0 | 69.40 | 359.57 | 11,647.3 | 7,932.3 | 144.1 | 228.2 | 804,010.33 | 570,994.55 | 149.10 | 11.45 |
| 11,900.0 | 80.85 | 359.57 | 11,673.0 | 7,958.0 | 240.6 | 227.5 | 804,009.60 | 571,091.04 | 245.54 | 11.45 |
| 11,994.0 | 91.62 | 359.57 | 11,679.1 | 7,964.1 | 334.2 | 226.8 | 804,008.90 | 571,184.70 | 339.16 | 11.45 |
| **Start 7394.0 hold at 11994.0 MD** | | | | | | | | | | |
| 12,000.0 | 91.62 | 359.57 | 11,678.9 | 7,963.9 | 340.2 | 226.7 | 804,008.85 | 571,190.69 | 345.16 | 0.00 |
| 12,100.0 | 91.62 | 359.57 | 11,676.1 | 7,961.1 | 440.2 | 226.0 | 804,008.10 | 571,290.65 | 445.07 | 0.00 |
| 12,200.0 | 91.62 | 359.57 | 11,673.3 | 7,958.3 | 540.1 | 225.2 | 804,007.35 | 571,390.61 | 544.99 | 0.00 |
| 12,300.0 | 91.62 | 359.57 | 11,670.5 | 7,955.5 | 640.1 | 224.5 | 804,006.60 | 571,490.57 | 644.91 | 0.00 |
| 12,400.0 | 91.62 | 359.57 | 11,667.6 | 7,952.6 | 740.0 | 223.7 | 804,005.85 | 571,590.52 | 744.82 | 0.00 |
| 12,500.0 | 91.62 | 359.57 | 11,664.8 | 7,949.8 | 840.0 | 223.0 | 804,005.10 | 571,690.48 | 844.74 | 0.00 |
| 12,600.0 | 91.62 | 359.57 | 11,662.0 | 7,947.0 | 940.0 | 222.2 | 804,004.35 | 571,790.44 | 944.65 | 0.00 |
| 12,700.0 | 91.62 | 359.57 | 11,659.2 | 7,944.2 | 1,039.9 | 221.5 | 804,003.60 | 571,890.39 | 1,044.57 | 0.00 |
| 12,800.0 | 91.62 | 359.57 | 11,656.3 | 7,941.3 | 1,139.9 | 220.7 | 804,002.85 | 571,990.35 | 1,144.49 | 0.00 |
| 12,900.0 | 91.62 | 359.57 | 11,653.5 | 7,938.5 | 1,239.8 | 220.0 | 804,002.10 | 572,090.31 | 1,244.40 | 0.00 |

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Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 13,000.0 | 91.62 | 359.57 | 11,650.7 | 7,935.7 | 1,339.8 | 219.2 | 804,001.35 | 572,190.27 | 1,344.32 | 0.00 |
| 13,100.0 | 91.62 | 359.57 | 11,647.8 | 7,932.8 | 1,439.7 | 218.5 | 804,000.60 | 572,290.22 | 1,444.23 | 0.00 |
| 13,200.0 | 91.62 | 359.57 | 11,645.0 | 7,930.0 | 1,539.7 | 217.7 | 803,999.85 | 572,390.18 | 1,544.15 | 0.00 |
| 13,300.0 | 91.62 | 359.57 | 11,642.2 | 7,927.2 | 1,639.7 | 217.0 | 803,999.10 | 572,490.14 | 1,644.07 | 0.00 |
| 13,400.0 | 91.62 | 359.57 | 11,639.4 | 7,924.4 | 1,739.6 | 216.2 | 803,998.35 | 572,590.09 | 1,743.98 | 0.00 |
| 13,500.0 | 91.62 | 359.57 | 11,636.5 | 7,921.5 | 1,839.6 | 215.5 | 803,997.60 | 572,690.05 | 1,843.90 | 0.00 |
| 13,600.0 | 91.62 | 359.57 | 11,633.7 | 7,918.7 | 1,939.5 | 214.7 | 803,996.85 | 572,790.01 | 1,943.81 | 0.00 |
| 13,700.0 | 91.62 | 359.57 | 11,630.9 | 7,915.9 | 2,039.5 | 214.0 | 803,996.10 | 572,889.97 | 2,043.73 | 0.00 |
| 13,800.0 | 91.62 | 359.57 | 11,628.1 | 7,913.1 | 2,139.4 | 213.2 | 803,995.35 | 572,989.92 | 2,143.65 | 0.00 |
| 13,900.0 | 91.62 | 359.57 | 11,625.2 | 7,910.2 | 2,239.4 | 212.5 | 803,994.60 | 573,089.88 | 2,243.56 | 0.00 |
| 14,000.0 | 91.62 | 359.57 | 11,622.4 | 7,907.4 | 2,339.4 | 211.7 | 803,993.85 | 573,189.84 | 2,343.48 | 0.00 |
| 14,100.0 | 91.62 | 359.57 | 11,619.6 | 7,904.6 | 2,439.3 | 211.0 | 803,993.10 | 573,289.80 | 2,443.39 | 0.00 |
| 14,200.0 | 91.62 | 359.57 | 11,616.8 | 7,901.8 | 2,539.3 | 210.2 | 803,992.35 | 573,389.75 | 2,543.31 | 0.00 |
| 14,300.0 | 91.62 | 359.57 | 11,613.9 | 7,898.9 | 2,639.2 | 209.5 | 803,991.60 | 573,489.71 | 2,643.23 | 0.00 |
| 14,400.0 | 91.62 | 359.57 | 11,611.1 | 7,896.1 | 2,739.2 | 208.7 | 803,990.85 | 573,589.67 | 2,743.14 | 0.00 |
| 14,500.0 | 91.62 | 359.57 | 11,608.3 | 7,893.3 | 2,839.1 | 208.0 | 803,990.10 | 573,689.62 | 2,843.06 | 0.00 |
| 14,600.0 | 91.62 | 359.57 | 11,605.4 | 7,890.4 | 2,939.1 | 207.2 | 803,989.35 | 573,789.58 | 2,942.97 | 0.00 |
| 14,700.0 | 91.62 | 359.57 | 11,602.6 | 7,887.6 | 3,039.1 | 206.5 | 803,988.60 | 573,889.54 | 3,042.89 | 0.00 |
| 14,800.0 | 91.62 | 359.57 | 11,599.8 | 7,884.8 | 3,139.0 | 205.7 | 803,987.85 | 573,989.50 | 3,142.81 | 0.00 |
| 14,900.0 | 91.62 | 359.57 | 11,597.0 | 7,882.0 | 3,239.0 | 205.0 | 803,987.10 | 574,089.45 | 3,242.72 | 0.00 |
| 15,000.0 | 91.62 | 359.57 | 11,594.1 | 7,879.1 | 3,338.9 | 204.2 | 803,986.35 | 574,189.41 | 3,342.64 | 0.00 |
| 15,100.0 | 91.62 | 359.57 | 11,591.3 | 7,876.3 | 3,438.9 | 203.5 | 803,985.60 | 574,289.37 | 3,442.55 | 0.00 |
| 15,200.0 | 91.62 | 359.57 | 11,588.5 | 7,873.5 | 3,538.8 | 202.7 | 803,984.85 | 574,389.32 | 3,542.47 | 0.00 |
| 15,300.0 | 91.62 | 359.57 | 11,585.7 | 7,870.7 | 3,638.8 | 202.0 | 803,984.10 | 574,489.28 | 3,642.39 | 0.00 |
| 15,400.0 | 91.62 | 359.57 | 11,582.8 | 7,867.8 | 3,738.8 | 201.2 | 803,983.35 | 574,589.24 | 3,742.30 | 0.00 |
| 15,500.0 | 91.62 | 359.57 | 11,580.0 | 7,865.0 | 3,838.7 | 200.5 | 803,982.60 | 574,689.20 | 3,842.22 | 0.00 |
| 15,600.0 | 91.62 | 359.57 | 11,577.2 | 7,862.2 | 3,938.7 | 199.7 | 803,981.85 | 574,789.15 | 3,942.13 | 0.00 |

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Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

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|---|---|---|---|
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| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 15,700.0 | 91.62 | 359.57 | 11,574.3 | 7,859.3 | 4,038.6 | 199.0 | 803,981.10 | 574,889.11 | 4,042.05 | 0.00 |
| 15,800.0 | 91.62 | 359.57 | 11,571.5 | 7,856.5 | 4,138.6 | 198.2 | 803,980.35 | 574,989.07 | 4,141.97 | 0.00 |
| 15,900.0 | 91.62 | 359.57 | 11,568.7 | 7,853.7 | 4,238.5 | 197.5 | 803,979.60 | 575,089.03 | 4,241.88 | 0.00 |
| 16,000.0 | 91.62 | 359.57 | 11,565.9 | 7,850.9 | 4,338.5 | 196.7 | 803,978.85 | 575,188.98 | 4,341.80 | 0.00 |
| 16,100.0 | 91.62 | 359.57 | 11,563.0 | 7,848.0 | 4,438.5 | 196.0 | 803,978.10 | 575,288.94 | 4,441.71 | 0.00 |
| 16,200.0 | 91.62 | 359.57 | 11,560.2 | 7,845.2 | 4,538.4 | 195.2 | 803,977.35 | 575,388.90 | 4,541.63 | 0.00 |
| 16,300.0 | 91.62 | 359.57 | 11,557.4 | 7,842.4 | 4,638.4 | 194.5 | 803,976.60 | 575,488.85 | 4,641.55 | 0.00 |
| 16,400.0 | 91.62 | 359.57 | 11,554.6 | 7,839.6 | 4,738.3 | 193.7 | 803,975.85 | 575,588.81 | 4,741.46 | 0.00 |
| 16,500.0 | 91.62 | 359.57 | 11,551.7 | 7,836.7 | 4,838.3 | 193.0 | 803,975.10 | 575,688.77 | 4,841.38 | 0.00 |
| 16,600.0 | 91.62 | 359.57 | 11,548.9 | 7,833.9 | 4,938.2 | 192.2 | 803,974.35 | 575,788.73 | 4,941.29 | 0.00 |
| 16,700.0 | 91.62 | 359.57 | 11,546.1 | 7,831.1 | 5,038.2 | 191.5 | 803,973.60 | 575,888.68 | 5,041.21 | 0.00 |
| 16,800.0 | 91.62 | 359.57 | 11,543.2 | 7,828.2 | 5,138.2 | 190.7 | 803,972.85 | 575,988.64 | 5,141.13 | 0.00 |
| 16,900.0 | 91.62 | 359.57 | 11,540.4 | 7,825.4 | 5,238.1 | 190.0 | 803,972.10 | 576,088.60 | 5,241.04 | 0.00 |
| 17,000.0 | 91.62 | 359.57 | 11,537.6 | 7,822.6 | 5,338.1 | 189.2 | 803,971.34 | 576,188.55 | 5,340.96 | 0.00 |
| 17,100.0 | 91.62 | 359.57 | 11,534.8 | 7,819.8 | 5,438.0 | 188.5 | 803,970.59 | 576,288.51 | 5,440.87 | 0.00 |
| 17,200.0 | 91.62 | 359.57 | 11,531.9 | 7,816.9 | 5,538.0 | 187.7 | 803,969.84 | 576,388.47 | 5,540.79 | 0.00 |
| 17,300.0 | 91.62 | 359.57 | 11,529.1 | 7,814.1 | 5,637.9 | 187.0 | 803,969.09 | 576,488.43 | 5,640.71 | 0.00 |
| 17,400.0 | 91.62 | 359.57 | 11,526.3 | 7,811.3 | 5,737.9 | 186.2 | 803,968.34 | 576,588.38 | 5,740.62 | 0.00 |
| 17,500.0 | 91.62 | 359.57 | 11,523.5 | 7,808.5 | 5,837.9 | 185.5 | 803,967.59 | 576,688.34 | 5,840.54 | 0.00 |
| 17,600.0 | 91.62 | 359.57 | 11,520.6 | 7,805.6 | 5,937.8 | 184.7 | 803,966.84 | 576,788.30 | 5,940.45 | 0.00 |
| 17,700.0 | 91.62 | 359.57 | 11,517.8 | 7,802.8 | 6,037.8 | 184.0 | 803,966.09 | 576,888.25 | 6,040.37 | 0.00 |
| 17,800.0 | 91.62 | 359.57 | 11,515.0 | 7,800.0 | 6,137.7 | 183.2 | 803,965.34 | 576,988.21 | 6,140.29 | 0.00 |
| 17,900.0 | 91.62 | 359.57 | 11,512.2 | 7,797.2 | 6,237.7 | 182.5 | 803,964.59 | 577,088.17 | 6,240.20 | 0.00 |
| 18,000.0 | 91.62 | 359.57 | 11,509.3 | 7,794.3 | 6,337.6 | 181.7 | 803,963.84 | 577,188.13 | 6,340.12 | 0.00 |
| 18,100.0 | 91.62 | 359.57 | 11,506.5 | 7,791.5 | 6,437.6 | 181.0 | 803,963.09 | 577,288.08 | 6,440.03 | 0.00 |
| 18,200.0 | 91.62 | 359.57 | 11,503.7 | 7,788.7 | 6,537.6 | 180.2 | 803,962.34 | 577,388.04 | 6,539.95 | 0.00 |
| 18,300.0 | 91.62 | 359.57 | 11,500.8 | 7,785.8 | 6,637.5 | 179.5 | 803,961.59 | 577,488.00 | 6,639.87 | 0.00 |

Released to Imaging: 2/16/2022 8:45:42 AM

Received by OCD: 2/16/2022 6:46:11 AM

Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Planned Survey**

| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | TVDSS (usft) | N/S (usft) | E/W (usft) | Easting (usft) | Northing (usft) | V. Sec (usft) | DLeg (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|---|
| 18,400.0 | 91.62 | 359.57 | 11,498.0 | 7,783.0 | 6,737.5 | 178.7 | 803,960.84 | 577,587.96 | 6,739.78 | 0.00 |
| 18,500.0 | 91.62 | 359.57 | 11,495.2 | 7,780.2 | 6,837.4 | 178.0 | 803,960.09 | 577,687.91 | 6,839.70 | 0.00 |
| 18,600.0 | 91.62 | 359.57 | 11,492.4 | 7,777.4 | 6,937.4 | 177.2 | 803,959.34 | 577,787.87 | 6,939.61 | 0.00 |
| 18,700.0 | 91.62 | 359.57 | 11,489.5 | 7,774.5 | 7,037.3 | 176.5 | 803,958.59 | 577,887.83 | 7,039.53 | 0.00 |
| 18,800.0 | 91.62 | 359.57 | 11,486.7 | 7,771.7 | 7,137.3 | 175.7 | 803,957.84 | 577,987.78 | 7,139.45 | 0.00 |
| 18,900.0 | 91.62 | 359.57 | 11,483.9 | 7,768.9 | 7,237.3 | 175.0 | 803,957.09 | 578,087.74 | 7,239.36 | 0.00 |
| 19,000.0 | 91.62 | 359.57 | 11,481.1 | 7,766.1 | 7,337.2 | 174.2 | 803,956.34 | 578,187.70 | 7,339.28 | 0.00 |
| 19,100.0 | 91.62 | 359.57 | 11,478.2 | 7,763.2 | 7,437.2 | 173.5 | 803,955.59 | 578,287.66 | 7,439.19 | 0.00 |
| 19,200.0 | 91.62 | 359.57 | 11,475.4 | 7,760.4 | 7,537.1 | 172.7 | 803,954.84 | 578,387.61 | 7,539.11 | 0.00 |
| 19,300.0 | 91.62 | 359.57 | 11,472.6 | 7,757.6 | 7,637.1 | 172.0 | 803,954.09 | 578,487.57 | 7,639.03 | 0.00 |
| 19,338.0 | 91.62 | 359.57 | 11,471.5 | 7,756.5 | 7,675.1 | 171.7 | 803,953.81 | 578,525.55 | 7,676.99 | 0.00 |
| **5 1/2" Production Casing** | | | | | | | | | | |
| 19,388.0 | 91.62 | 359.57 | 11,470.1 | 7,755.1 | 7,725.1 | 171.3 | 803,953.43 | 578,575.53 | 7,726.95 | 0.00 |
| **TD at 19388.0** | | | | | | | | | | |

**Casing Points**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|---|---|---|---|---|
| 120.0 | 120.0 | 20" Conductor | 20 | 26 |
| 2,150.0 | 2,150.0 | 13 3/8" Surface Casing | 13-3/8 | 17-1/2 |
| 5,632.0 | 5,632.0 | 9 5/8" Intermediate Casing | 9-5/8 | 12-1/4 |
| 19,338.0 | 11,471.5 | 5 1/2" Production Casing | 5-1/2 | 8-3/4 |

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Received by OCD: 2/16/2022 6:46:11 AM

Caza Petroleum

# Morcor Engineering

## Morcor Standard Plan

| | | | |
|---|---|---|---|
| **Company:** | Caza Operating LLC | **Local Co-ordinate Reference:** | Well Desert Rose 17-8 Federal 14H |
| **Project:** | Desert Rose 17-8 Federal 14H | **TVD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Site:** | Desert Rose 17-8 Federal 14H | **MD Reference:** | WELL @ 3715.0usft (Original Well Elev) |
| **Well:** | Desert Rose 17-8 Federal 14H | **North Reference:** | Grid |
| **Wellbore:** | Desert Rose 17-8 Federal 14H | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | 191115 Desert Rose 17-8 Federal 14H | **Database:** | EDM 5000.1 Single User Db |

**Formations**

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 5,658.0 | 5,658.0 | Delaware | | 0.00 | |
| 4,138.0 | 4,138.0 | Capitan | | 0.00 | |
| 2,268.0 | 2,268.0 | Top of Salt | | 0.00 | |
| 11,667.6 | 11,585.0 | Wolfcamp | | 0.00 | |
| 3,598.0 | 3,598.0 | Base of Salt | | 0.00 | |
| 8,454.2 | 8,453.0 | Bone Spring | | 0.00 | |
| 10,440.1 | 10,428.0 | 2nd BS Sand | | 0.00 | |
| 10,967.9 | 10,953.0 | 2nd BS Lime | | 0.00 | |
| 11,443.1 | 11,418.0 | 3rd BS Sand | | 0.00 | |
| 1,923.0 | 1,923.0 | Rustler | | 0.00 | |
| 9,736.2 | 9,728.0 | 1st BS Sand | | 0.00 | |

**Plan Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 8,100.0 | 8,100.0 | 0.0 | 0.0 | Start Build 3.00 |
| 8,300.0 | 8,299.6 | -6.4 | 8.2 | Start 2600.0 hold at 8300.0 MD |
| 10,900.0 | 10,885.4 | -173.8 | 222.4 | Start Drop -3.00 |
| 11,100.0 | 11,085.0 | -180.2 | 230.6 | Start 94.0 hold at 11100.0 MD |
| 11,194.0 | 11,179.0 | -180.2 | 230.6 | Start Build 11.45 |
| 11,994.0 | 11,679.1 | 334.2 | 226.8 | Start 7394.0 hold at 11994.0 MD |
| 19,388.0 | 11,470.1 | 7,725.1 | 171.3 | TD at 19388.0 |

Checked By: _____ Approved By: _____ Date: _____



Page 12 of 25

**STATE OF NEW MEXICO**
**ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT**
**OIL CONSERVATION DIVISION**

**APPLICATIONS OF CAZA PETROLEUM, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.**

**Case Nos. 22042 - 22047**

**SELF-AFFIRMED STATEMENT OF NOTICE**

COUNTY OF SANTA FE )
) ss.
STATE OF NEW MEXICO )

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am an attorney for Caza Petroleum, LLC.

3. Caza Petroleum, LL has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.

4. Notice of the applications was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.

5. Applicant has complied with the notice provisions of Division Rules.

6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 2/15/22

James Bruce
James Bruce

EXHIBIT 4

**JAMES BRUCE**
**ATTORNEY AT LAW**

**POST OFFICE BOX 1056**
**SANTA FE, NEW MEXICO 87504**

**369 MONTEZUMA, NO. 213**
**SANTA FE, NEW MEXICO 87501**

**(505) 982-2043 (Phone)**
**(505) 660-6612 (Cell)**
**(505) 982-2151 (Fax)**

jamesbruc@aol.com

ATTACHMENT A

January 27, 2022

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of six applications, filed with the New Mexico Oil Conservation Division by Caza Petroleum, LLC, seeking orders pooling all uncommitted mineral interests in the following well units:

Case No. 22042: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 8H and 10H.

Case No. 22043: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 16H.

Case No. 22044: Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 5H and 7H.

Case No. 22045 Caza Petroleum, LLC seeks an order pooling all uncommitted mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8, Township 20

South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 15H.

Case No. 22046: Caza Petroleum, LLC seeks an order pooling all mineral interest owners in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 11H and 13H.

Case No. 22047: Caza Petroleum, LLC seeks an order pooling all mineral interest owners in the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8, Township 20 South, Range 35 East, NMPM, Lea County, New Mexico. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 14H.

The type of interest you own in each well unit is set forth in Exhibit B.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, February 17, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to *emnrd.state.nm.us/OCD/hearings* or see the instructions posted on the Division's website, *http://emnrd.state.nm.us/OCD/announcements.html*.You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement. This statement may be filed online with the Division at *ocd.hearings@state.nm.us*, and should include: The name of the party and his or her attorney; a concise statement of the case; the name(s) of the witness(es) the party will call to testify at the hearing; the approximate time the party will need to present his or her case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

James Bruce

James Bruce

Attorney for Caza Petroleum, LLC

# DESERT ROSE WI OWNERS

## Working Interest Owners

**Caza Petroleum, LLC**
4 Greenspoint Place
16945 Northchase Drive, Suite 1430
Houston, TX 77060

**Chevron U.S.A. Inc.**
6301 Deauville Boulevard
Midland, Texas 79706

Attention: Permitting Team

**Lynn Charuk**
P. O. Box 52370
Midland, TX 79710

**True North Exploration, Inc.**
Attn: Steve Sell
507 N Marienfeld Street, Suite 100
Midland,TX79701

**JSTM Energy Investments, LLC**
Attn: John Pool
507 N.Marienfeld Street, Suite 100
Midland, TX 79701

**O'Brien Oil & Gas, Inc.**
Attn: Mike O'Brien
P. O. Box 1743
Midland, TX 79702

**Cinco Tierras, LLC**
Attn: Pat Crossley
805 N. Richardson Avenue
Roswell, NM 88201

**Wallco Investments, LLC**
Attn: Gary Wallace
627 Eastwood Avenue
Fort Worth, TX 76107

**Tiger Creek Capital Partners, LP**
Attn: John Barnidge
1200 Barton Creek Blvd., No. 24
Austin, TX 78735

EXHIBIT A

**Gary J. Lamb, Inc.**
Attn: Gary Lamb
3327 Caldera Blvd.
Midland, TX 79707

**America West Resources, LLC**
Attn: Clay Lamb
P. O. Box 3383
Midland, TX 79702

**D&M Snelson Properties, LP**
Attn: Denny Snelson
1510 W Texas
Midland, TX 79701

**Broughton Petroleum Inc.**
Attn: Lois Krenek
1205 Sillman Street
Sealy, TX 77474

**Wallace Investment Group, LLC**
Attn: Austin Wallace
1608 N. K Street
Midland, Texas 79701

**Kantech Properties, LLC**
Attn: Hal Brockett/Ryan McNeel
24 Smith Road, Suite 400
Midland, TX 79705

**CHLP Interests, LLC**
Attn: Robbie Christensen
2303 W. Louisiana
Midland, TX 79701

**Marks Oil, Inc.**
Attn: Stephen K. Marks
1775 Sherman Street, Suite 2015
Denver, CO 80203-4319

**Marshall B. Miller, Jr.**
112 E. Pecan St., Suite 2400
San Antonio, TX 78205

**Glenbrook Partners DE, LTD.,**
**Production and Development Series**
Attn: Marshall Miller
112 E. Pecan St., Suite 2400
San Antonio, TX 78205

**Alpar Energy, LP**
Attn: Brent Allen
320 S.E. 24th Avenue
Perryton, TX 79070

**Hat Creek Exploration**
Attn: John Dorn
2900 Wesleyan, Suite 430
Houston, TX 77027

**Dale F. & Jean F. Dorn Testamentary Trust**
f/b/o Dale F. Dorn
Attn: Tucker Dorn
421 Morningside Drive
San Antonio, TX 78209

**Maverick Oil & Gas Equity, LLC**
Attn: Scott Kimbrough
1001 West Wall Street
Midland, TX 79701

**Eagle Owl LLC**
Attn: Bruce Blakemore
1901 N. Akard
Dallas, TX 75201

**Nance Resources, Inc.**
Attn: Brian Cebull
2924 Millennium Circle, Suite A
Billings, MT 59102

**Overriding Royalty Owners**

**McMullen Minerals, LLC**
Attn: William Malloy
P.O. Box 470857
Ft. Worth, Texas 76147

**Pegasus Resources, LLC**
P.O. Box 470698
Fort Worth, TX 76147

**Escondido Oil & Gas, LLC**
P.O. Box 51390
Midland, TX 79710

**BriLi, LLC**
213 5 Sedona Hills Parkway
Las Cruces, NM 88011

**Devon Energy Production Company, L.P.**
333 West Sheridan Avenue
Oklahoma City, Oklahoma 73102-5015

**Mayhill Oil Corporation**
P.O. Box 5334
Midland, TX 79704

**Dog Tired Investments, LLC**
1118 Breckenridge Dr.
Midland, TX 79705

**Saphire Royalties, Inc.**
P.O. Box 682
Midland, TX 79702

**James D. Snelson**
1510 W Texas
Midland, TX 79701

**Cat Spring Properties, LLC**
1884 Bostick Road
Cat Spring, TX 78933

**McCabe Minerals & Royalties, LLC**
500 W. Texas Ave
Suite 890
Midland, TX 79701

# E2E2 240 ac
# Bone Spring & Wolfcamp

| Desert Rose 17-8 Federal Com #8H #10H #16H |
|---|
| McMullen Minerals, LLC |
| Pegasus Resources, LLC |
| Escondido Oil & Gas, LLC |
| BriLi, LLC |
| Devon Energy Production Company, L.P. |
| Lynn Charuk ALSO A WIO |
| Mayhill Oil Corporation |
| JSTM Properties, Ltd. ALSO A WIO |
| Dog Tired Investments, LLC |
| Cinco Tierras, LLC ALSO A WIO |
| Gary Wallace ALSO A WIO |
| Tiger Creek Capital Partners, LP ALSO A WIO |
| Saphire Royaltiess, Inc. |
| James D. Snelson |
| Cat Spring Properties, LLC |
| Austin G. Wallace ALSO A WIO |
| Kantech Propertries, LLC ALSO A WIO |
| Christensen Holdings, LP ALSO A WIO |
| Marks Oil, Inc. ALSO A WIO |
| McCabe Minerals & Royalties, LLC |
| Lynn Charuk |
| True North Exploration, Inc. (formerly SDX) |
| JSTM Energy Investments, LLC |
| O'Brien Oil & Gas Inc. |
| Cinco Tierras, LLC |
| Wallco Investments LLC |
| Tiger Creek Capital Partners, LP |
| Gary J. Lamb, Inc. |
| America West Resources, LLC |
| D&M Snelson Properties, LP |
| Broughton Petroleum Inc. |
| Wallace Investment Group, LLC |
| Kantech Properties, LLC |
| CHLP Interests, LLC |
| Marks Oil, Inc. |
| Marshall B. Miller, Jr. |
| Glenbrook Partners DE, LTD |
| Alpar Energy, LP |
| Hat Creek Exploration |
| Maverick Oil & Gas Equity, LLC |
| Eagle Owl LLC |

EXHIBIT B

Nance Resources, Inc.
Chevron
Caza Petroleum, LLC

**NOT INCLUDED HERE:**
Dale H & Jean F Dorn Testamentary Trust not inlucded here

# E2W2 240 ac
# Bone Spring & Wolfcamp

| | Desert Rose 17-8 Federal Com #11H #13H #14H | |
|---|---|---|
| ORRI | McMullen Minerals, LLC | ORRI |
| ORRI | Pegasus Resources, LLC | ORRI |
| ORRI | Escondido Oil & Gas, LLC | ORRI |
| ORRI | BriLi, LLC | ORRI |
| ORRI | Devon Energy Production Company, L.P. | ORRI |
| WI | Lynn Charuk | ORRI/WI |
| WI | True North Exploration, Inc. (formerly SDX) | ORRI |
| WI | JSTM Energy Investments, LLC | ORRI/WI |
| WI | O'Brien Oil & Gas Inc. | ORRI |
| WI | Cinco Tierras, LLC | ORRI/WI |
| WI | Wallco Investments LLC | ORRI/WI |
| WI | Tiger Creek Capital Partners, LP | ORRI/WI |
| WI | Gary J. Lamb, Inc. | ORRI |
| WI | America West Resources, LLC | ORRI |
| WI | D&M Snelson Properties, LP | ORRI |
| WI | Broughton Petroleum Inc. | ORRI/WI |
| WI | Wallace Investment Group, LLC | ORRI/WI |
| WI | Kantech Properties, LLC | ORRI/WI |
| WI | CHLP Interests, LLC | ORRI/WI |
| WI | Marks Oil, Inc. | ORRI |
| WI | Marshall B. Miller, Jr. | WI |
| WI | Glenbrook Partners DE, LTD | WI |
| WI | Alpar Energy, LP | WI |
| WI | Hat Creek Exploration | WI |
| WI | Dale H & Jean F Dorn Testamentary Trust | WI |
| WI | Maverick Oil & Gas Equity, LLC | WI |
| WI | Eagle Owl LLC | WI |
| WI | Nance Resources, Inc. | WI |
| WI | Chevron | WI |
| WI | Caza Petroleum, LLC | WI |
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# W2E2 240 ac
# Bone Spring & Wolfcamp

| Desert Rose 17-8 Federal Com #5H #7H #15H | |
|---|---|
| McMullen Minerals, LLC | ORRI |
| Pegasus Resources, LLC | ORRI |
| Escondido Oil & Gas, LLC | ORRI |
| BriLi, LLC | ORRI |
| Devon Energy Production Company, L.P. | ORRI |
| Lynn Charuk | ORRI/WI |
| Mayhill Oil Corporation | ORRI |
| JSTM Properties, Ltd. | ORRI/WI |
| Dog Tired Investments, LLC | ORRI |
| Cinco Tierras, LLC ALSO A WIO | ORRI/WI |
| Gary Wallace ALSO A WIO | ORRI/WI |
| Tiger Creek Capital Partners, LP ALSO A WIO | ORRI/WI |
| Saphire Royaltiess, Inc. | ORRI |
| James D. Snelson | ORRI |
| Cat Spring Properties, LLC | ORRI |
| Austin G. Wallace ALSO A WIO | ORRI/WI |
| Kantech Propertries, LLC ALSO A WIO | ORRI/WI |
| Christensen Holdings, LP ALSO A WIO | ORRI/WI |
| Marks Oil, Inc. ALSO A WIO | ORRI/WI |
| McCabe Minerals & Royalties, LLC | ORRI |
| Lynn Charuk | WI |
| True North Exploration, Inc. (formerly SDX) | WI |
| JSTM Energy Investments, LLC | WI |
| O'Brien Oil & Gas Inc. | WI |
| Cinco Tierras, LLC | WI |
| Wallco Investments LLC | WI |
| Tiger Creek Capital Partners, LP | WI |
| Gary J. Lamb, Inc. | WI |
| America West Resources, LLC | WI |
| D&M Snelson Properties, LP | WI |
| Broughton Petroleum Inc. | WI |
| Wallace Investment Group, LLC | WI |
| Kantech Properties, LLC | WI |
| CHLP Interests, LLC | WI |
| Marks Oil, Inc. | WI |
| Marshall B. Miller, Jr. | WI |
| Glenbrook Partners DE, LTD | WI |
| Alpar Energy, LP | WI |
| Hat Creek Exploration | WI |
| Maverick Oil & Gas Equity, LLC | WI |
| Nance Resources, Inc. | WI |

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| | |
|---|---|
| Chevron | WI |
| Caza Petroleum, LLC | WI |
| | WI |

**NOT INCLUDED HERE:**

| | |
|---|---|
| Dale H & Jean F Dorn Testamentary Trust not inlucded here | |
| Eagle Owl, LLC | WI |

5

# Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
February 03, 2022
and ending with the issue dated
February 03, 2022.

Publisher

Sworn and subscribed to before me this
3rd day of February 2022.

Business Manager

My commission expires
January 29, 2023
(Seal)

GUSSIE BLACK
Notary Public - State of New Mexico
Commission # 1087526
My Comm. Expires Jan 29, 2023

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

**LEGAL NOTICE**
**February 3, 2022**

To: Chevron U.S.A. Inc., Lynn Charuk, True North Exploration, Inc., JSTM Energy Investments, LLC, O'Brien Oil & Gas, Inc., Cinco Tierras, LLC, Wallco Investments, LLC, Tiger Creek Capital Partners, LP, Gary J. Lamb, Inc., America West Resources, LLC, D&M Snelson Properties, LP, Broughton Petroleum Inc., Wallace Investment Group, LLC, Kantech Properties, LLC, CHLP Interests, LLC, Marks Oil, Inc., Marshall B. Miller, Jr., Glenbrook Partners DE, LTD. - Production and Development Series, Alpar Energy, LP, Hat Creek Exploration, John Dorn, Dale F. & Jean F. Dorn Testamentary Trust f/b/o Dale F. Dorn, Maverick Oil & Gas Equity, LLC, Eagle Owl LLC, and Nance Resources, Inc.(working interest owners); and McMullen Minerals, LLC, Pegasus Resources, LLC, Escondido Oil & Gas, LLC, BriLi, LLC, Devon Energy Production Company, L.P., Mayhill Oil Corporation, Dog Tired Investments, LLC, Saphire Royalties, Inc., James D. Snelson, and Cat Spring Properties, LLC (overriding royalty interest owners), or your successors or assigns: Caza Petroleum, LLC has filed the following applications with the New Mexico Oil Conservation Division seeking orders pooling uncommitted mineral interest owners in the described well units and formations (all lands are in Township 20 South, Range 35 East, NMPM, Lea County, New Mexico) :

Case No. 22042: the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 8H and 10H.

Case No. 22043: the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 17 and the E/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 16H.

Case No. 22044: the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8,. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 5H and 7H.

Case No. 22045 the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2E/2 of Section 17 and the W/2SE/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 15H.

Case No. 22046: the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well Nos. 11H and 13H.

Case No. 22047: the Wolfcamp formation underlying a horizontal spacing unit comprised of the E/2W/2 of Section 17 and the E/2SW/4 of Section 8. The unit will be dedicated to the Desert Rose 17-8 Fed. Com. Well No. 14H.

Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of Caza Operating, LLC as operator of the wells, and a 200% charge for risk involved in drilling completing, and equipping the wells. The application is scheduled to be heard at 8:15 a.m. on February 17, 2022. During the COVID-19 Public Health Emergency, state buildings are closed to the public and the hearing will be conducted remotely. To determine the location of the hearing or to participate in an electronic hearing, go to *emnrd.state.nm.us/OCD/hearings* or see the instructions posted on the Division's website, *http://emnrd.state.nm.us/OCD/announcements.html.* You are not required to attend this hearing, but as an owner of an interest who may be affected by the applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043, *jamesbruc@aol.com.* The units are located approximately 13-1/2 miles northwest of Oil Center, New Mexico.
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EXHIBIT 5