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

State of New Mexico
Energy, Minerals & Natural Resources

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

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

[X] AMENDED REPORT
NW 01/06/23

# I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | |
|---|---|
| [1] Operator name and Address: EARTHSTONE OPERATING, LLC, 1400 WOODLOCH FOREST DR., SUITE 300, THE WOODLANDS, TX 77380 | [2] OGRID Number: 331165 |
| | [3] Reason for Filing Code/ Effective Date: NW-01/06/2023 |

| [4] API Number | [5] Pool Name | [6] Pool Code |
|---|---|---|
| 30 - 025-49709 | OJO CHISO; BONE SPRING | 96553 |
| **[7] Property Code** | **[8] Property Name** | **[9] Well Number** |
| 332643 | SQUEEZE 2 STATE COM | 3H |

## II. [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 |
|---|---|---|---|---|---|---|---|---|---|
| M | 2 | 22S | 34E | | 380 | SOUTH | 1175 | WEST | LEA |

## [11] Bottom Hole Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 2 | 22S | 34E | | 101 | NORTH | 823 | WEST | LEA |

| [12] Lse Code | [13] Producing Method Code | [14] Gas Connection Date | [15] C-129 Permit Number | [16] C-129 Effective Date | [17] C-129 Expiration Date |
|---|---|---|---|---|---|
| S | | | | | |

## III. Oil and Gas Transporters

| [18] Transporter OGRID | [19] Transporter Name and Address | [20] O/G/W |
|---|---|---|
| 372603 | DKL FIELD SERVICES, LLC | G |
| 20667 | SHELL PIPELINE CORPORATION | O |
| | | |
| | | |

## IV. Well Completion Data

| [21] Spud Date | [22] Ready Date | [23] TD | [24] PBTD | [25] Perforations | [26] DHC, MC |
|---|---|---|---|---|---|
| 08/12/2022 | 01/06/2023 | 15238'MD | NA | 10492'-15190' | |

| [27] Hole Size | [28] Casing & Tubing Size | [29] Depth Set | [30] Sacks Cement |
|---|---|---|---|
| 17.5" | 13.375", 54.5#, J-55 | 1742' MD | 1165 |
| 12.25" | 9.625", 40#, J-55 & HCL-80 | 5623' MD | 2141 |
| 7.875" | 5.5", 20#, P-110 | 15217' MD | 1455 |
| | | | |

## V. Well Test Data

| [31] Date New Oil | [32] Gas Delivery Date | [33] Test Date | [34] Test Length | [35] Tbg. Pressure | [36] Csg. Pressure |
|---|---|---|---|---|---|
| 01/06/2023 | 01/06/2023 | 01/21/2023 | 24 | | 425 |
| **[37] Choke Size** | **[38] Oil** | **[39] Water** | **[40] Gas** | | **[41] Test Method** |
| 52 | 1389 | 1528 | 1562 | | FLOW |

[42] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Deborah Marberry

Printed name: Deborah Marberry

Title: SR. REGULATORY ANALYST

E-mail Address: dmarberry@EARTHSTONEENERGY.COM

Date: 05/10/2023

Phone: 281-298-4246 ext. 3091

OIL CONSERVATION DIVISION

Approved by: PATRICIA MARTINEZ

Title: PETROLEUM SPECIALIST

Approval Date: 1/29/2025

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
as-drilled

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-025-49709 | 96553 | OJO CHISO; BONE SPRING |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 332643 | SQUEEZE 2 STATE COM 2BS | 3H |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 331165 | EARTHSTONE OPERATING, LLC | 3571.8 |

## [10] Surface Location

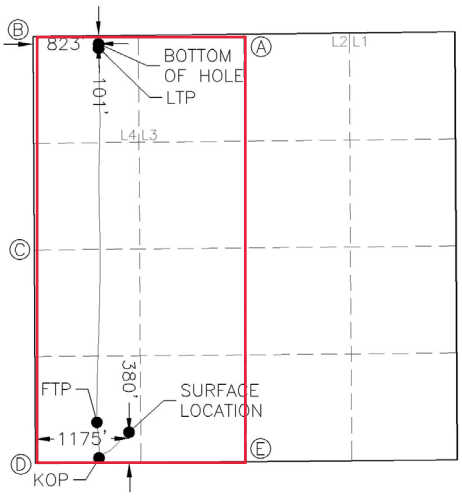
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 2 | 22 S | 34 E | | 380 | SOUTH | 1175 | WEST | LEA |

## [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 |
|---|---|---|---|---|---|---|---|---|---|
| D | 2 | 22 S | 34 E | | 101 | NORTH | 823 | WEST | LEA |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 324.37 | | | |

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.




*SQUEEZE 2 STATE COM 2BS 3H*
EL. = 3571.8

| GEODETIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION | GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION |
|---|---|
| N.= 515610.67 | N.= 515671.58 |
| E.= 774158.66 | E.= 815341.71 |
| LAT. = 32.4143953°N | LAT. = 32.4145195°N |
| LONG. = 103.4449318°W | LONG. = 103.4454120°W |

| KICK OFF POINT 62' FSL, 796' FWL NAD 27 NMSP EAST | KICK OFF POINT 62' FSL, 796' FWL NAD 83 NMSP EAST |
|---|---|
| N.= 515289.92 | N.= 515350.82 |
| E.= 773782.34 | E.= 814965.39 |
| LAT. =32.4135223°N | LAT. = 32.4136465°N |
| LONG. = 103.4461598°W | LONG. = 103.4466400°W |

| FIRST TAKE POINT 508' FSL, 773' FWL NAD 27 NMSP EAST | FIRST TAKE POINT 508' FSL, 773' FWL NAD 83 NMSP EAST |
|---|---|
| N.= 515735.97 | N.= 515796.88 |
| E.= 773755.76 | E.= 814938.80 |
| LAT. = 32.4147489°N | LAT. = 32.4148731°N |
| LONG. = 103.4462339°W | LONG. = 103.4467141°W |

| LAST TAKE POINT 155' FNL, 824' FWL NAD 27 NMSP EAST | LAST TAKE POINT 155' FNL, 824' FWL NAD 83 NMSP EAST |
|---|---|
| N.= 520419.80 | N.= 520480.84 |
| E.= 773777.97 | E.= 814960.92 |
| LAT. = 32.4276223°N | LAT. = 32.4277464°N |
| LONG. = 103.4460359°W | LONG. = 103.4465165°W |

| BOTTOM OF HOLE NAD 27 NMSP EAST | BOTTOM OF HOLE NAD 83 NMSP EAST |
|---|---|
| N.= 520474.76 | N.= 520535.81 |
| E.= 773777.36 | E.= 814960.31 |
| LAT. = 32.4277733°N | LAT. = 32.4278975°N |
| LONG. = 103.4460364°W | LONG. = 103.4465170°W |

CORNER COORDINATES TABLE
NAD 27 NMSP EAST

| | | |
|---|---|---|
| A – | N.= 520596.79 | E.= 775593.03 |
| B – | N.= 520565.53 | E.= 772953.50 |
| C – | N.= 517893.68 | E.= 772969.93 |
| D – | N.= 515221.85 | E.= 772986.38 |
| E – | N.= 515242.05 | E.= 775624.41 |

CORNER COORDINATES TABLE
NAD 83 NMSP EAST

| | | |
|---|---|---|
| A – | N.= 520657.85 | E.= 816776.03 |
| B – | N.= 520626.57 | E.= 814136.42 |
| C – | N.= 517954.65 | E.= 814152.91 |
| D – | N.= 515282.74 | E.= 814169.41 |
| E – | N.= 515302.95 | E.= 816807.52 |

## [17] OPERATOR CERTIFICATION

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

Signature: 01/10/2023
Date

JENNIFER ELROD
Printed Name

jelrod@earthstoneenergy.com
E-mail Address

## [18] SURVEYOR CERTIFICATION

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

JANUARY 9, 2023
Date of Survey

Signature and Seal of Professional Surveyor:

EDMON F. JARAMILLO NEW MEXICO 12797 REGISTERED PROFESSIONAL SURVEYOR

Certificate Number: EDMON F. JARAMILLO, PLS 12797
SURVEY NO. 9606

# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Project** Lea County, NM (NAD 27)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | New Mexico East 3001 | | |

**Site** Squeeze 2 State Pad

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 515,610.64 usft | **Latitude:** | 32° 24' 51.82 N |
| **From:** | Map | **Easting:** | 774,158.67 usft | **Longitude:** | 103° 26' 41.75 W |
| **Position Uncertainty:** | 0.00 usft | **Slot Radius:** | 13-3/16 " | **Grid Convergence:** | 0.48 ° |

**Well** 2BS Com 3H

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.00 usft | **Northing:** | 515,610.64 usft | **Latitude:** | 32° 24' 51.82 N |
| | **+E/-W** | 0.00 usft | **Easting:** | 774,158.67 usft | **Longitude:** | 103° 26' 41.75 W |
| **Position Uncertainty** | | 0.00 usft | **Wellhead Elevation:** | usft | **Ground Level:** | 3,571.80 usft |

**Wellbore** OH

| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
|---|---|---|---|---|---|
| | HDGM_FILE | 9/22/2022 | 6.35 | 60.08 | 47,708.10000000 |

**Design** OH

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | 1.0 | **Phase:** | ACTUAL | **Tie On Depth:** | 0.00 |

| **Vertical Section:** | **Depth From (TVD) (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Direction (°)** |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 359.65 |

**Survey Program** **Date** 11/2/2022

| **From (usft)** | **To (usft)** | **Survey (Wellbore)** | **Tool Name** | **Description** |
|---|---|---|---|---|
| 77.00 | 1,697.00 | Survey #1 (OH) | OWSG_Rev2_MWD | OWSG MWD - Standard |
| 1,771.00 | 15,183.00 | Survey #2 (OH) | OWSG_Rev2_MWD+HRGM | OWSG MWD + HRGM |
| 15,238.00 | 15,238.00 | Survey #3 (OH) | Project | Projection |

**Survey**

| **Measured Depth (usft)** | **Inclination (°)** | **Azimuth (°)** | **Vertical Depth (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Vertical Section (usft)** | **Dogleg Rate (°/100usft)** | **Build Rate (°/100usft)** | **Turn Rate (°/100usft)** |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **SHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 77.00 | 0.44 | 69.21 | 77.00 | 0.10 | 0.28 | 0.10 | 0.57 | 0.57 | 0.00 |
| 214.00 | 0.70 | 45.48 | 213.99 | 0.88 | 1.36 | 0.87 | 0.25 | 0.19 | -17.32 |
| 276.00 | 0.48 | 60.68 | 275.99 | 1.27 | 1.86 | 1.26 | 0.43 | -0.35 | 24.52 |
| 358.00 | 0.62 | 265.82 | 357.99 | 1.41 | 1.72 | 1.40 | 1.31 | 0.17 | -188.85 |
| 447.00 | 0.48 | 252.40 | 446.98 | 1.26 | 0.88 | 1.25 | 0.21 | -0.16 | -15.08 |

# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 535.00 | 0.40 | 303.96 | 534.98 | 1.32 | 0.28 | 1.32 | 0.44 | -0.09 | 58.59 |
| 622.00 | 0.79 | 275.31 | 621.98 | 1.54 | -0.57 | 1.55 | 0.55 | 0.45 | -32.93 |
| 709.00 | 0.48 | 216.25 | 708.97 | 1.31 | -1.39 | 1.31 | 0.78 | -0.36 | -67.89 |
| 797.00 | 0.18 | 356.26 | 796.97 | 1.15 | -1.61 | 1.16 | 0.71 | -0.34 | 159.10 |
| 884.00 | 0.44 | 167.12 | 883.97 | 0.96 | -1.55 | 0.97 | 0.71 | 0.30 | 196.39 |
| 972.00 | 0.66 | 225.00 | 971.97 | 0.27 | -1.83 | 0.28 | 0.64 | 0.25 | 65.77 |
| 1,061.00 | 0.66 | 247.45 | 1,060.96 | -0.29 | -2.67 | -0.27 | 0.29 | 0.00 | 25.22 |
| 1,148.00 | 0.40 | 117.91 | 1,147.96 | -0.62 | -2.86 | -0.61 | 1.11 | -0.30 | -148.90 |
| 1,237.00 | 0.44 | 234.97 | 1,236.96 | -0.97 | -2.87 | -0.95 | 0.81 | 0.04 | 131.53 |
| 1,324.00 | 0.57 | 264.41 | 1,323.95 | -1.20 | -3.57 | -1.18 | 0.33 | 0.15 | 33.84 |
| 1,414.00 | 0.48 | 308.44 | 1,413.95 | -1.01 | -4.31 | -0.98 | 0.45 | -0.10 | 48.92 |
| 1,501.00 | 0.40 | 335.16 | 1,500.95 | -0.51 | -4.72 | -0.48 | 0.25 | -0.09 | 30.71 |
| 1,586.00 | 0.57 | 304.66 | 1,585.95 | 0.00 | -5.20 | 0.04 | 0.36 | 0.20 | -35.88 |
| 1,675.00 | 0.66 | 340.88 | 1,674.94 | 0.74 | -5.73 | 0.77 | 0.44 | 0.10 | 40.70 |
| 1,697.00 | 0.62 | 336.31 | 1,696.94 | 0.97 | -5.82 | 1.00 | 0.29 | -0.18 | -20.77 |
| 1,771.00 | 0.44 | 9.03 | 1,770.94 | 1.62 | -5.93 | 1.65 | 0.47 | -0.24 | 44.22 |
| 1,864.00 | 0.79 | 268.31 | 1,863.93 | 1.95 | -6.52 | 1.99 | 1.05 | 0.38 | -108.30 |
| 1,958.00 | 2.20 | 239.13 | 1,957.90 | 1.00 | -8.71 | 1.06 | 1.66 | 1.50 | -31.04 |
| 2,052.00 | 4.92 | 228.06 | 2,051.71 | -2.62 | -13.26 | -2.54 | 2.97 | 2.89 | -11.78 |
| 2,146.00 | 6.77 | 224.54 | 2,145.22 | -9.26 | -20.15 | -9.14 | 2.00 | 1.97 | -3.74 |
| 2,239.00 | 8.71 | 224.54 | 2,237.37 | -18.19 | -28.93 | -18.01 | 2.09 | 2.09 | 0.00 |
| 2,333.00 | 9.50 | 225.60 | 2,330.18 | -28.69 | -39.47 | -28.45 | 0.86 | 0.84 | 1.13 |
| 2,427.00 | 10.02 | 226.48 | 2,422.82 | -39.75 | -50.94 | -39.43 | 0.58 | 0.55 | 0.94 |
| 2,521.00 | 10.20 | 228.23 | 2,515.36 | -50.92 | -63.08 | -50.54 | 0.38 | 0.19 | 1.86 |
| 2,615.00 | 9.50 | 227.53 | 2,607.98 | -61.70 | -75.01 | -61.24 | 0.76 | -0.74 | -0.74 |
| 2,709.00 | 9.23 | 229.64 | 2,700.72 | -71.82 | -86.47 | -71.29 | 0.46 | -0.29 | 2.24 |
| 2,803.00 | 9.94 | 230.87 | 2,793.41 | -81.83 | -98.51 | -81.22 | 0.79 | 0.76 | 1.31 |
| 2,898.00 | 9.50 | 230.69 | 2,887.05 | -91.97 | -110.94 | -91.29 | 0.46 | -0.46 | -0.19 |
| 2,991.00 | 7.91 | 221.55 | 2,978.98 | -101.62 | -121.12 | -100.88 | 2.26 | -1.71 | -9.83 |
| 3,085.00 | 7.74 | 208.72 | 3,072.11 | -112.01 | -128.45 | -111.22 | 1.86 | -0.18 | -13.65 |
| 3,179.00 | 7.74 | 205.73 | 3,165.25 | -123.26 | -134.24 | -122.44 | 0.43 | 0.00 | -3.18 |
| 3,273.00 | 8.18 | 216.46 | 3,258.35 | -134.35 | -140.97 | -133.48 | 1.65 | 0.47 | 11.41 |
| 3,366.00 | 8.35 | 225.25 | 3,350.39 | -144.42 | -149.69 | -143.50 | 1.37 | 0.18 | 9.45 |
| 3,460.00 | 8.53 | 225.07 | 3,443.37 | -154.15 | -159.48 | -153.17 | 0.19 | 0.19 | -0.19 |
| 3,553.00 | 8.53 | 225.25 | 3,535.34 | -163.88 | -169.26 | -162.84 | 0.03 | 0.00 | 0.19 |
| 3,648.00 | 8.88 | 225.95 | 3,629.25 | -173.94 | -179.53 | -172.84 | 0.38 | 0.37 | 0.74 |
| 3,742.00 | 8.97 | 228.58 | 3,722.11 | -183.83 | -190.24 | -182.66 | 0.44 | 0.10 | 2.80 |
| 3,836.00 | 8.09 | 229.46 | 3,815.07 | -192.98 | -200.76 | -191.75 | 0.95 | -0.94 | 0.94 |
| 3,931.00 | 8.09 | 230.17 | 3,909.12 | -201.60 | -210.98 | -200.31 | 0.11 | 0.00 | 0.75 |
| 4,024.00 | 8.27 | 229.29 | 4,001.18 | -210.16 | -221.07 | -208.80 | 0.24 | 0.19 | -0.95 |
| 4,118.00 | 9.15 | 231.05 | 4,094.09 | -219.26 | -232.01 | -217.84 | 0.98 | 0.94 | 1.87 |
| 4,212.00 | 8.27 | 238.08 | 4,187.01 | -227.54 | -243.56 | -226.04 | 1.47 | -0.94 | 7.48 |

# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 4,305.00 | 8.71 | 234.21 | 4,278.99 | -235.19 | -254.95 | -233.63 | 0.78 | 0.47 | -4.16 |
| 4,399.00 | 9.94 | 232.63 | 4,371.75 | -244.28 | -267.17 | -242.64 | 1.34 | 1.31 | -1.68 |
| 4,493.00 | 7.56 | 251.26 | 4,464.67 | -251.19 | -279.48 | -249.48 | 3.91 | -2.53 | 19.82 |
| 4,587.00 | 5.45 | 255.66 | 4,558.06 | -254.28 | -289.66 | -252.51 | 2.30 | -2.24 | 4.68 |
| 4,682.00 | 4.22 | 252.84 | 4,652.72 | -256.43 | -297.37 | -254.61 | 1.32 | -1.29 | -2.97 |
| 4,776.00 | 3.25 | 254.95 | 4,746.52 | -258.15 | -303.25 | -256.29 | 1.04 | -1.03 | 2.24 |
| 4,870.00 | 2.81 | 239.66 | 4,840.39 | -260.00 | -307.81 | -258.12 | 0.97 | -0.47 | -16.27 |
| 4,965.00 | 2.73 | 241.07 | 4,935.27 | -262.27 | -311.80 | -260.36 | 0.11 | -0.08 | 1.48 |
| 5,059.00 | 2.55 | 245.99 | 5,029.17 | -264.21 | -315.67 | -262.27 | 0.31 | -0.19 | 5.23 |
| 5,152.00 | 2.81 | 251.08 | 5,122.07 | -265.79 | -319.72 | -263.83 | 0.38 | 0.28 | 5.47 |
| 5,246.00 | 3.25 | 255.30 | 5,215.94 | -267.21 | -324.47 | -265.22 | 0.52 | 0.47 | 4.49 |
| 5,341.00 | 3.61 | 255.30 | 5,310.77 | -268.65 | -329.97 | -266.63 | 0.38 | 0.38 | 0.00 |
| 5,435.00 | 3.78 | 257.76 | 5,404.58 | -270.06 | -335.86 | -268.00 | 0.25 | 0.18 | 2.62 |
| 5,530.00 | 3.69 | 260.58 | 5,499.37 | -271.22 | -341.94 | -269.13 | 0.22 | -0.09 | 2.97 |
| 5,566.00 | 3.87 | 259.17 | 5,535.30 | -271.64 | -344.27 | -269.53 | 0.56 | 0.50 | -3.92 |
| 5,667.00 | 3.78 | 262.33 | 5,636.07 | -272.73 | -350.92 | -270.58 | 0.23 | -0.09 | 3.13 |
| 5,761.00 | 4.40 | 218.92 | 5,729.85 | -275.95 | -356.26 | -273.77 | 3.27 | 0.66 | -46.18 |
| 5,856.00 | 2.20 | 188.86 | 5,824.70 | -280.58 | -358.83 | -278.39 | 2.87 | -2.32 | -31.64 |
| 5,949.00 | 1.93 | 108.53 | 5,917.65 | -282.85 | -357.62 | -280.66 | 2.87 | -0.29 | -86.38 |
| 6,043.00 | 2.29 | 107.47 | 6,011.59 | -283.91 | -354.33 | -281.74 | 0.39 | 0.38 | -1.13 |
| 6,138.00 | 0.79 | 3.94 | 6,106.56 | -283.83 | -352.47 | -281.67 | 2.73 | -1.58 | -108.98 |
| 6,232.00 | 0.88 | 2.35 | 6,200.55 | -282.46 | -352.40 | -280.30 | 0.10 | 0.10 | -1.69 |
| 6,326.00 | 1.06 | 7.63 | 6,294.54 | -280.88 | -352.25 | -278.72 | 0.21 | 0.19 | 5.62 |
| 6,420.00 | 0.88 | 350.05 | 6,388.52 | -279.31 | -352.26 | -277.15 | 0.37 | -0.19 | -18.70 |
| 6,514.00 | 1.14 | 2.88 | 6,482.51 | -277.66 | -352.34 | -275.50 | 0.36 | 0.28 | 13.65 |
| 6,608.00 | 1.32 | 349.17 | 6,576.49 | -275.66 | -352.49 | -273.51 | 0.37 | 0.19 | -14.59 |
| 6,701.00 | 1.14 | 1.65 | 6,669.47 | -273.69 | -352.67 | -271.53 | 0.35 | -0.19 | 13.42 |
| 6,796.00 | 1.14 | 348.12 | 6,764.45 | -271.82 | -352.84 | -269.66 | 0.28 | 0.00 | -14.24 |
| 6,889.00 | 1.14 | 335.99 | 6,857.43 | -270.07 | -353.40 | -267.90 | 0.26 | 0.00 | -13.04 |
| 6,983.00 | 1.06 | 324.39 | 6,951.41 | -268.51 | -354.29 | -266.34 | 0.25 | -0.09 | -12.34 |
| 7,076.00 | 0.88 | 333.53 | 7,044.40 | -267.17 | -355.11 | -264.99 | 0.25 | -0.19 | 9.83 |
| 7,171.00 | 1.23 | 339.33 | 7,139.38 | -265.56 | -355.79 | -263.38 | 0.38 | 0.37 | 6.11 |
| 7,265.00 | 1.06 | 340.21 | 7,233.37 | -263.80 | -356.45 | -261.62 | 0.18 | -0.18 | 0.94 |
| 7,359.00 | 0.53 | 332.12 | 7,327.36 | -262.60 | -356.94 | -260.41 | 0.57 | -0.56 | -8.61 |
| 7,452.00 | 0.88 | 108.70 | 7,420.35 | -262.44 | -356.47 | -260.26 | 1.42 | 0.38 | 146.86 |
| 7,545.00 | 1.23 | 104.31 | 7,513.34 | -262.92 | -354.82 | -260.75 | 0.39 | 0.38 | -4.72 |
| 7,639.00 | 1.85 | 133.14 | 7,607.30 | -264.21 | -352.74 | -262.05 | 1.04 | 0.66 | 30.67 |
| 7,733.00 | 1.67 | 136.48 | 7,701.26 | -266.24 | -350.69 | -264.09 | 0.22 | -0.19 | 3.55 |
| 7,827.00 | 1.06 | 130.67 | 7,795.23 | -267.80 | -349.09 | -265.66 | 0.66 | -0.65 | -6.18 |
| 7,921.00 | 1.32 | 129.44 | 7,889.21 | -269.05 | -347.59 | -266.92 | 0.28 | 0.28 | -1.31 |
| 8,015.00 | 0.97 | 122.24 | 7,983.19 | -270.16 | -346.08 | -268.05 | 0.40 | -0.37 | -7.66 |
| 8,109.00 | 1.06 | 244.05 | 8,077.19 | -270.97 | -346.19 | -268.85 | 1.89 | 0.10 | 129.59 |

# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 8,203.00 | 1.06 | 252.14 | 8,171.17 | -271.62 | -347.80 | -269.49 | 0.16 | 0.00 | 8.61 |
| 8,297.00 | 1.14 | 272.88 | 8,265.15 | -271.84 | -349.56 | -269.70 | 0.43 | 0.09 | 22.06 |
| 8,391.00 | 1.32 | 304.35 | 8,359.13 | -271.18 | -351.39 | -269.03 | 0.73 | 0.19 | 33.48 |
| 8,485.00 | 2.55 | 321.75 | 8,453.08 | -268.93 | -353.58 | -266.76 | 1.44 | 1.31 | 18.51 |
| 8,579.00 | 3.17 | 332.65 | 8,546.96 | -264.97 | -356.07 | -262.79 | 0.87 | 0.66 | 11.60 |
| 8,674.00 | 2.81 | 344.25 | 8,641.83 | -260.40 | -357.90 | -258.21 | 0.74 | -0.38 | 12.21 |
| 8,768.00 | 0.79 | 234.39 | 8,735.79 | -258.56 | -359.06 | -256.36 | 3.37 | -2.15 | -116.87 |
| 8,861.00 | 1.76 | 211.01 | 8,828.77 | -260.16 | -360.31 | -257.95 | 1.16 | 1.04 | -25.14 |
| 8,954.00 | 3.61 | 176.91 | 8,921.67 | -264.31 | -360.89 | -262.10 | 2.55 | 1.99 | -36.67 |
| 9,048.00 | 3.34 | 186.05 | 9,015.50 | -269.98 | -361.02 | -267.77 | 0.65 | -0.29 | 9.72 |
| 9,142.00 | 2.99 | 198.88 | 9,109.36 | -275.03 | -362.10 | -272.81 | 0.84 | -0.37 | 13.65 |
| 9,237.00 | 6.33 | 182.71 | 9,204.03 | -282.60 | -363.15 | -280.38 | 3.74 | 3.52 | -17.02 |
| 9,246.14 | 6.33 | 184.22 | 9,213.12 | -283.61 | -363.21 | -281.39 | 1.82 | -0.03 | 16.54 |
| **Hard Line Crossing 1 @ 9246.14' MD** | | | | | | | | | |
| 9,332.00 | 6.51 | 198.17 | 9,298.44 | -292.95 | -365.08 | -290.72 | 1.82 | 0.21 | 16.24 |
| 9,426.00 | 6.07 | 209.78 | 9,391.88 | -302.33 | -369.21 | -300.07 | 1.43 | -0.47 | 12.35 |
| 9,520.00 | 4.57 | 198.70 | 9,485.48 | -310.19 | -372.88 | -307.91 | 1.93 | -1.60 | -11.79 |
| 9,615.00 | 4.75 | 190.09 | 9,580.16 | -317.65 | -374.78 | -315.35 | 0.76 | 0.19 | -9.06 |
| 9,642.00 | 4.40 | 189.91 | 9,607.08 | -319.77 | -375.16 | -317.47 | 1.30 | -1.30 | -0.67 |
| 9,733.00 | 3.17 | 347.06 | 9,698.00 | -320.76 | -376.32 | -318.45 | 8.16 | -1.35 | 172.69 |
| 9,780.00 | 9.85 | 5.87 | 9,744.67 | -315.49 | -376.20 | -313.18 | 14.73 | 14.21 | 40.02 |
| 9,828.00 | 17.15 | 6.22 | 9,791.32 | -304.35 | -375.01 | -302.05 | 15.21 | 15.21 | 0.73 |
| 9,874.00 | 25.15 | 0.77 | 9,834.19 | -287.81 | -374.15 | -285.52 | 17.89 | 17.39 | -11.85 |
| 9,883.60 | 25.52 | 359.98 | 9,842.86 | -283.70 | -374.12 | -281.41 | 5.23 | 3.86 | -8.27 |
| **Hard Line Crossing 2 @ 9883.60' MD** | | | | | | | | | |
| 9,921.00 | 27.00 | 357.08 | 9,876.40 | -267.16 | -374.56 | -264.87 | 5.23 | 3.96 | -7.74 |
| 9,968.00 | 30.78 | 356.38 | 9,917.55 | -244.50 | -375.86 | -242.20 | 8.07 | 8.04 | -1.49 |
| 10,016.00 | 32.27 | 358.66 | 9,958.46 | -219.43 | -376.93 | -217.12 | 3.97 | 3.10 | 4.75 |
| 10,063.00 | 31.57 | 358.49 | 9,998.36 | -194.58 | -377.55 | -192.27 | 1.50 | -1.49 | -0.36 |
| 10,110.00 | 36.93 | 359.19 | 10,037.19 | -168.15 | -378.08 | -165.83 | 11.43 | 11.40 | 1.49 |
| 10,157.00 | 37.99 | 358.84 | 10,074.50 | -139.57 | -378.57 | -137.25 | 2.30 | 2.26 | -0.74 |
| 10,205.00 | 43.00 | 356.73 | 10,110.99 | -108.43 | -379.80 | -106.11 | 10.82 | 10.44 | -4.40 |
| 10,227.77 | 45.29 | 355.49 | 10,127.33 | -92.61 | -380.88 | -90.28 | 10.77 | 10.08 | -5.46 |
| **LP (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 10,252.00 | 47.75 | 354.27 | 10,144.00 | -75.10 | -382.45 | -72.77 | 10.77 | 10.13 | -5.03 |
| 10,299.00 | 52.23 | 354.80 | 10,174.21 | -39.28 | -385.88 | -36.92 | 9.57 | 9.53 | 1.13 |
| 10,346.00 | 52.76 | 354.62 | 10,202.83 | -2.15 | -389.31 | 0.23 | 1.17 | 1.13 | -0.38 |
| 10,394.00 | 58.30 | 353.57 | 10,229.98 | 37.19 | -393.40 | 39.60 | 11.68 | 11.54 | -2.19 |
| 10,441.00 | 65.42 | 353.21 | 10,252.13 | 78.34 | -398.17 | 80.77 | 15.16 | 15.15 | -0.77 |
| 10,488.00 | 69.56 | 354.80 | 10,270.13 | 121.51 | -402.69 | 123.96 | 9.35 | 8.81 | 3.38 |
| 10,535.00 | 74.57 | 359.01 | 10,284.60 | 166.13 | -405.08 | 168.60 | 13.65 | 10.66 | 8.96 |
| 10,582.00 | 78.70 | 1.12 | 10,295.46 | 211.85 | -405.02 | 214.32 | 9.81 | 8.79 | 4.49 |
| 10,676.00 | 86.88 | 0.77 | 10,307.25 | 305.01 | -403.49 | 307.47 | 8.71 | 8.70 | -0.37 |

# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 10,770.00 | 90.48 | 0.07 | 10,309.42 | 398.97 | -402.80 | 401.42 | 3.90 | 3.83 | -0.74 |
| 10,864.00 | 90.57 | 1.12 | 10,308.55 | 492.96 | -401.82 | 495.40 | 1.12 | 0.10 | 1.12 |
| 10,958.00 | 90.13 | 0.95 | 10,307.98 | 586.94 | -400.13 | 589.37 | 0.50 | -0.47 | -0.18 |
| 11,052.00 | 90.04 | 1.65 | 10,307.84 | 680.92 | -397.99 | 683.33 | 0.75 | -0.10 | 0.74 |
| 11,145.00 | 89.87 | 1.30 | 10,307.91 | 773.89 | -395.60 | 776.29 | 0.42 | -0.18 | -0.38 |
| 11,240.00 | 89.52 | 1.65 | 10,308.42 | 868.85 | -393.15 | 871.24 | 0.52 | -0.37 | 0.37 |
| 11,334.00 | 89.09 | 1.65 | 10,309.56 | 962.81 | -390.45 | 965.17 | 0.46 | -0.46 | 0.00 |
| 11,428.00 | 91.63 | 1.48 | 10,308.97 | 1,056.76 | -387.88 | 1,059.11 | 2.71 | 2.70 | -0.18 |
| 11,522.00 | 92.42 | 2.00 | 10,305.65 | 1,150.66 | -385.03 | 1,152.99 | 1.01 | 0.84 | 0.55 |
| 11,615.00 | 92.86 | 1.83 | 10,301.36 | 1,243.51 | -381.92 | 1,245.82 | 0.51 | 0.47 | -0.18 |
| 11,709.00 | 93.39 | 1.65 | 10,296.24 | 1,337.32 | -379.07 | 1,339.61 | 0.60 | 0.56 | -0.19 |
| 11,802.00 | 91.54 | 2.00 | 10,292.24 | 1,430.19 | -376.12 | 1,432.46 | 2.02 | -1.99 | 0.38 |
| 11,895.00 | 91.89 | 1.83 | 10,289.46 | 1,523.09 | -373.01 | 1,525.34 | 0.42 | 0.38 | -0.18 |
| 11,987.00 | 92.51 | 1.30 | 10,285.92 | 1,614.99 | -370.50 | 1,617.22 | 0.89 | 0.67 | -0.58 |
| 12,081.00 | 90.92 | 0.77 | 10,283.11 | 1,708.93 | -368.80 | 1,711.15 | 1.78 | -1.69 | -0.56 |
| 12,175.00 | 90.40 | 0.25 | 10,282.03 | 1,802.92 | -367.96 | 1,805.13 | 0.78 | -0.55 | -0.55 |
| 12,269.00 | 90.57 | 0.60 | 10,281.23 | 1,896.91 | -367.27 | 1,899.12 | 0.41 | 0.18 | 0.37 |
| 12,362.00 | 91.89 | 0.25 | 10,279.24 | 1,989.89 | -366.58 | 1,992.09 | 1.47 | 1.42 | -0.38 |
| 12,456.00 | 92.33 | 1.30 | 10,275.78 | 2,083.81 | -365.31 | 2,086.00 | 1.21 | 0.47 | 1.12 |
| 12,549.00 | 92.59 | 0.60 | 10,271.78 | 2,176.71 | -363.77 | 2,178.89 | 0.80 | 0.28 | -0.75 |
| 12,642.00 | 92.59 | 0.25 | 10,267.58 | 2,269.62 | -363.08 | 2,271.79 | 0.38 | 0.00 | -0.38 |
| 12,735.00 | 91.45 | 359.54 | 10,264.30 | 2,362.56 | -363.25 | 2,364.73 | 1.44 | -1.23 | -0.76 |
| 12,828.00 | 91.98 | 358.49 | 10,261.52 | 2,455.50 | -364.85 | 2,457.68 | 1.26 | 0.57 | -1.13 |
| 12,923.00 | 92.15 | 358.14 | 10,258.10 | 2,550.40 | -367.64 | 2,552.59 | 0.41 | 0.18 | -0.37 |
| 13,016.00 | 90.13 | 358.31 | 10,256.25 | 2,643.33 | -370.52 | 2,645.54 | 2.18 | -2.17 | 0.18 |
| 13,110.00 | 91.45 | 358.31 | 10,254.95 | 2,737.28 | -373.29 | 2,739.50 | 1.40 | 1.40 | 0.00 |
| 13,203.00 | 89.60 | 359.19 | 10,254.10 | 2,830.24 | -375.32 | 2,832.48 | 2.20 | -1.99 | 0.95 |
| 13,297.00 | 90.13 | 359.19 | 10,254.32 | 2,924.23 | -376.65 | 2,926.48 | 0.56 | 0.56 | 0.00 |
| 13,391.00 | 90.66 | 358.84 | 10,253.67 | 3,018.22 | -378.26 | 3,020.47 | 0.68 | 0.56 | -0.37 |
| 13,484.00 | 91.80 | 359.19 | 10,251.68 | 3,111.18 | -379.86 | 3,113.44 | 1.28 | 1.23 | 0.38 |
| 13,578.00 | 92.77 | 0.42 | 10,247.93 | 3,205.10 | -380.18 | 3,207.37 | 1.67 | 1.03 | 1.31 |
| 13,672.00 | 90.57 | 0.77 | 10,245.19 | 3,299.05 | -379.21 | 3,301.31 | 2.37 | -2.34 | 0.37 |
| 13,765.00 | 90.84 | 1.65 | 10,244.04 | 3,392.02 | -377.24 | 3,394.26 | 0.99 | 0.29 | 0.95 |
| 13,858.00 | 88.99 | 2.00 | 10,244.18 | 3,484.97 | -374.28 | 3,487.19 | 2.02 | -1.99 | 0.38 |
| 13,951.00 | 88.55 | 1.12 | 10,246.18 | 3,577.91 | -371.75 | 3,580.12 | 1.06 | -0.47 | -0.95 |
| 14,045.00 | 88.90 | 0.77 | 10,248.27 | 3,671.88 | -370.20 | 3,674.07 | 0.53 | 0.37 | -0.37 |
| 14,139.00 | 88.81 | 0.95 | 10,250.15 | 3,765.85 | -368.79 | 3,768.03 | 0.21 | -0.10 | 0.19 |
| 14,232.00 | 88.90 | 1.65 | 10,252.01 | 3,858.81 | -366.68 | 3,860.97 | 0.76 | 0.10 | 0.75 |
| 14,326.00 | 90.92 | 359.01 | 10,252.15 | 3,952.79 | -366.14 | 3,954.95 | 3.54 | 2.15 | -2.81 |
| 14,421.00 | 91.19 | 358.84 | 10,250.41 | 4,047.76 | -367.92 | 4,049.93 | 0.34 | 0.28 | -0.18 |
| 14,515.00 | 91.10 | 358.84 | 10,248.53 | 4,141.72 | -369.82 | 4,143.90 | 0.10 | -0.10 | 0.00 |
| 14,609.00 | 91.36 | 358.84 | 10,246.51 | 4,235.68 | -371.72 | 4,237.87 | 0.28 | 0.28 | 0.00 |



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# Survey Report

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---|---|---|---|---|---|---|---|---|---|
| 14,703.00 | 92.07 | 358.84 | 10,243.70 | 4,329.62 | -373.63 | 4,331.82 | 0.76 | 0.76 | 0.00 |
| 14,797.00 | 92.77 | 359.01 | 10,239.73 | 4,423.52 | -375.39 | 4,425.73 | 0.77 | 0.74 | 0.18 |
| 14,891.00 | 92.51 | 358.66 | 10,235.40 | 4,517.40 | -377.30 | 4,519.62 | 0.46 | -0.28 | -0.37 |
| 14,984.00 | 91.45 | 359.72 | 10,232.18 | 4,610.33 | -378.61 | 4,612.56 | 1.61 | -1.14 | 1.14 |
| 15,078.00 | 91.10 | 359.19 | 10,230.09 | 4,704.30 | -379.51 | 4,706.53 | 0.68 | -0.37 | -0.56 |
| 15,171.00 | 91.63 | 359.54 | 10,227.88 | 4,797.27 | -380.54 | 4,799.50 | 0.68 | 0.57 | 0.38 |
| 15,183.00 | 91.80 | 359.37 | 10,227.52 | 4,809.26 | -380.65 | 4,811.50 | 2.00 | 1.42 | -1.42 |
| 15,237.39 | 91.80 | 359.37 | 10,225.81 | 4,863.62 | -381.25 | 4,865.86 | 0.00 | 0.00 | 0.00 |
| **Hard Line Crossing 3 @ 15237.39' MD - PBHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 15,238.00 | 91.80 | 359.37 | 10,225.79 | 4,864.23 | -381.25 | 4,866.47 | 0.00 | 0.00 | 0.00 |
| **Projection to Bit @ 15238' MD - BHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |

**Design Targets**

| Target Name<br>- hit/miss target<br>- Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| SHL (Squeeze 2 State 2<br>- actual wellpath hits target center<br>- Point | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 515,610.64 | 774,158.67 | 32° 24' 51.82 N | 103° 26' 41.75 W |
| BHL (Squeeze 2 State 2<br>- actual wellpath hits target center<br>- Point | 0.00 | 0.00 | 10,225.79 | 4,864.23 | -381.25 | 520,474.87 | 773,777.42 | 32° 25' 39.99 N | 103° 26' 45.73 W |
| PBHL (Squeeze 2 State<br>- actual wellpath misses target center by 32.35usft at 15237.39usft MD (10225.81 TVD, 4863.62 N, -381.25 E)<br>- Point | 0.00 | 0.00 | 10,248.04 | 4,864.35 | -404.74 | 520,474.99 | 773,753.93 | 32° 25' 39.99 N | 103° 26' 46.00 W |
| LP (Squeeze 2 State 2B<br>- actual wellpath misses target center by 270.73usft at 10227.77usft MD (10127.33 TVD, -92.61 N, -380.88 E)<br>- Point | 0.00 | 0.00 | 10,319.92 | -282.72 | -373.07 | 515,327.92 | 773,785.60 | 32° 24' 49.06 N | 103° 26' 46.13 W |

**Design Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 9,246.14 | 9,213.12 | -283.61 | -363.21 | Hard Line Crossing 1 @ 9246.14' MD |
| 9,883.60 | 9,842.86 | -283.70 | -374.12 | Hard Line Crossing 2 @ 9883.60' MD |
| 15,237.39 | 10,225.81 | 4,863.62 | -381.25 | Hard Line Crossing 3 @ 15237.39' MD |
| 15,238.00 | 10,225.79 | 4,864.23 | -381.25 | Projection to Bit @ 15238' MD |

Checked By: _____ Approved By: _____ Date: _____

# Survey Report - Geographic

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Project** Lea County, NM (NAD 27)

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | New Mexico East 3001 | | |

**Site** Squeeze 2 State Pad

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 515,610.64 usft | **Latitude:** | 32° 24' 51.82 N |
| **From:** | Map | **Easting:** | 774,158.67 usft | **Longitude:** | 103° 26' 41.75 W |
| **Position Uncertainty:** | 0.00 usft | **Slot Radius:** | 13-3/16 " | **Grid Convergence:** | 0.48 ° |

**Well** 2BS Com 3H

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.00 usft | **Northing:** | 515,610.64 usft | **Latitude:** | 32° 24' 51.82 N |
| | **+E/-W** | 0.00 usft | **Easting:** | 774,158.67 usft | **Longitude:** | 103° 26' 41.75 W |
| **Position Uncertainty** | | 0.00 usft | **Wellhead Elevation:** | usft | **Ground Level:** | 3,571.80 usft |

**Wellbore** OH

| **Magnetics** | **Model Name** | **Sample Date** | **Declination (°)** | **Dip Angle (°)** | **Field Strength (nT)** |
|---|---|---|---|---|---|
| | HDGM_FILE | 9/22/2022 | 6.35 | 60.08 | 47,708.10000000 |

**Design** OH

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | 1.0 | **Phase:** | ACTUAL | **Tie On Depth:** | 0.00 |

| **Vertical Section:** | **Depth From (TVD) (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Direction (°)** |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 359.65 |

**Survey Program** **Date** 11/2/2022

| **From (usft)** | **To (usft)** | **Survey (Wellbore)** | **Tool Name** | **Description** |
|---|---|---|---|---|
| 77.00 | 1,697.00 | Survey #1 (OH) | OWSG_Rev2_MWD | OWSG MWD - Standard |
| 1,771.00 | 15,183.00 | Survey #2 (OH) | OWSG_Rev2_MWD+HRGM | OWSG MWD + HRGM |
| 15,238.00 | 15,238.00 | Survey #3 (OH) | Project | Projection |

**Survey**

| **Measured Depth (usft)** | **Inclination (°)** | **Azimuth (°)** | **Vertical Depth (usft)** | **+N/-S (usft)** | **+E/-W (usft)** | **Map Northing (usft)** | **Map Easting (usft)** | **Latitude** | **Longitude** |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 515,610.64 | 774,158.67 | 32° 24' 51.82 N | 103° 26' 41.75 W |
| **SHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 77.00 | 0.44 | 69.21 | 77.00 | 0.10 | 0.28 | 515,610.75 | 774,158.94 | 32° 24' 51.82 N | 103° 26' 41.75 W |
| 214.00 | 0.70 | 45.48 | 213.99 | 0.88 | 1.36 | 515,611.52 | 774,160.03 | 32° 24' 51.83 N | 103° 26' 41.74 W |
| 276.00 | 0.48 | 60.68 | 275.99 | 1.27 | 1.86 | 515,611.91 | 774,160.53 | 32° 24' 51.84 N | 103° 26' 41.73 W |
| 358.00 | 0.62 | 265.82 | 357.99 | 1.41 | 1.72 | 515,612.05 | 774,160.39 | 32° 24' 51.84 N | 103° 26' 41.73 W |
| 447.00 | 0.48 | 252.40 | 446.98 | 1.26 | 0.88 | 515,611.90 | 774,159.55 | 32° 24' 51.84 N | 103° 26' 41.74 W |
| 535.00 | 0.40 | 303.96 | 534.98 | 1.32 | 0.28 | 515,611.96 | 774,158.94 | 32° 24' 51.84 N | 103° 26' 41.75 W |

# Survey Report - Geographic

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| 622.00 | 0.79 | 275.31 | 621.98 | 1.54 | -0.57 | 515,612.19 | 774,158.09 | 32° 24' 51.84 N | 103° 26' 41.76 W |
| 709.00 | 0.48 | 216.25 | 708.97 | 1.31 | -1.39 | 515,611.95 | 774,157.28 | 32° 24' 51.84 N | 103° 26' 41.77 W |
| 797.00 | 0.18 | 356.26 | 796.97 | 1.15 | -1.61 | 515,611.79 | 774,157.06 | 32° 24' 51.83 N | 103° 26' 41.77 W |
| 884.00 | 0.44 | 167.12 | 883.97 | 0.96 | -1.55 | 515,611.60 | 774,157.12 | 32° 24' 51.83 N | 103° 26' 41.77 W |
| 972.00 | 0.66 | 225.00 | 971.97 | 0.27 | -1.83 | 515,610.91 | 774,156.84 | 32° 24' 51.83 N | 103° 26' 41.78 W |
| 1,061.00 | 0.66 | 247.45 | 1,060.96 | -0.29 | -2.67 | 515,610.35 | 774,156.00 | 32° 24' 51.82 N | 103° 26' 41.79 W |
| 1,148.00 | 0.40 | 117.91 | 1,147.96 | -0.62 | -2.86 | 515,610.02 | 774,155.81 | 32° 24' 51.82 N | 103° 26' 41.79 W |
| 1,237.00 | 0.44 | 234.97 | 1,236.96 | -0.97 | -2.87 | 515,609.68 | 774,155.80 | 32° 24' 51.81 N | 103° 26' 41.79 W |
| 1,324.00 | 0.57 | 264.41 | 1,323.95 | -1.20 | -3.57 | 515,609.44 | 774,155.10 | 32° 24' 51.81 N | 103° 26' 41.80 W |
| 1,414.00 | 0.48 | 308.44 | 1,413.95 | -1.01 | -4.31 | 515,609.63 | 774,154.36 | 32° 24' 51.81 N | 103° 26' 41.81 W |
| 1,501.00 | 0.40 | 335.16 | 1,500.95 | -0.51 | -4.72 | 515,610.14 | 774,153.94 | 32° 24' 51.82 N | 103° 26' 41.81 W |
| 1,586.00 | 0.57 | 304.66 | 1,585.95 | 0.00 | -5.20 | 515,610.65 | 774,153.47 | 32° 24' 51.82 N | 103° 26' 41.82 W |
| 1,675.00 | 0.66 | 340.88 | 1,674.94 | 0.74 | -5.73 | 515,611.38 | 774,152.94 | 32° 24' 51.83 N | 103° 26' 41.82 W |
| 1,697.00 | 0.62 | 336.31 | 1,696.94 | 0.97 | -5.82 | 515,611.61 | 774,152.85 | 32° 24' 51.83 N | 103° 26' 41.82 W |
| 1,771.00 | 0.44 | 9.03 | 1,770.94 | 1.62 | -5.93 | 515,612.26 | 774,152.73 | 32° 24' 51.84 N | 103° 26' 41.82 W |
| 1,864.00 | 0.79 | 268.31 | 1,863.93 | 1.95 | -6.52 | 515,612.59 | 774,152.15 | 32° 24' 51.84 N | 103° 26' 41.83 W |
| 1,958.00 | 2.20 | 239.13 | 1,957.90 | 1.00 | -8.71 | 515,611.65 | 774,149.95 | 32° 24' 51.83 N | 103° 26' 41.86 W |
| 2,052.00 | 4.92 | 228.06 | 2,051.71 | -2.62 | -13.26 | 515,608.03 | 774,145.40 | 32° 24' 51.80 N | 103° 26' 41.91 W |
| 2,146.00 | 6.77 | 224.54 | 2,145.22 | -9.26 | -20.15 | 515,601.38 | 774,138.52 | 32° 24' 51.73 N | 103° 26' 41.99 W |
| 2,239.00 | 8.71 | 224.54 | 2,237.37 | -18.19 | -28.93 | 515,592.45 | 774,129.73 | 32° 24' 51.65 N | 103° 26' 42.09 W |
| 2,333.00 | 9.50 | 225.60 | 2,330.18 | -28.69 | -39.47 | 515,581.95 | 774,119.20 | 32° 24' 51.54 N | 103° 26' 42.22 W |
| 2,427.00 | 10.02 | 226.48 | 2,422.82 | -39.75 | -50.94 | 515,570.90 | 774,107.73 | 32° 24' 51.43 N | 103° 26' 42.35 W |
| 2,521.00 | 10.20 | 228.23 | 2,515.36 | -50.92 | -63.08 | 515,559.72 | 774,095.59 | 32° 24' 51.32 N | 103° 26' 42.50 W |
| 2,615.00 | 9.50 | 227.53 | 2,607.98 | -61.70 | -75.01 | 515,548.94 | 774,083.66 | 32° 24' 51.22 N | 103° 26' 42.64 W |
| 2,709.00 | 9.23 | 229.64 | 2,700.72 | -71.82 | -86.47 | 515,538.82 | 774,072.19 | 32° 24' 51.12 N | 103° 26' 42.77 W |
| 2,803.00 | 9.94 | 230.87 | 2,793.41 | -81.83 | -98.51 | 515,528.82 | 774,060.16 | 32° 24' 51.02 N | 103° 26' 42.91 W |
| 2,898.00 | 9.50 | 230.69 | 2,887.05 | -91.97 | -110.94 | 515,518.67 | 774,047.73 | 32° 24' 50.92 N | 103° 26' 43.06 W |
| 2,991.00 | 7.91 | 221.55 | 2,978.98 | -101.62 | -121.12 | 515,509.02 | 774,037.55 | 32° 24' 50.83 N | 103° 26' 43.18 W |
| 3,085.00 | 7.74 | 208.72 | 3,072.11 | -112.01 | -128.45 | 515,498.63 | 774,030.21 | 32° 24' 50.73 N | 103° 26' 43.26 W |
| 3,179.00 | 7.74 | 205.73 | 3,165.25 | -123.26 | -134.24 | 515,487.38 | 774,024.42 | 32° 24' 50.61 N | 103° 26' 43.33 W |
| 3,273.00 | 8.18 | 216.46 | 3,258.35 | -134.35 | -140.97 | 515,476.30 | 774,017.70 | 32° 24' 50.51 N | 103° 26' 43.41 W |
| 3,366.00 | 8.35 | 225.25 | 3,350.39 | -144.42 | -149.69 | 515,466.22 | 774,008.97 | 32° 24' 50.41 N | 103° 26' 43.51 W |
| 3,460.00 | 8.53 | 225.07 | 3,443.37 | -154.15 | -159.48 | 515,456.49 | 773,999.19 | 32° 24' 50.31 N | 103° 26' 43.63 W |
| 3,553.00 | 8.53 | 225.25 | 3,535.34 | -163.88 | -169.26 | 515,446.76 | 773,989.41 | 32° 24' 50.22 N | 103° 26' 43.74 W |
| 3,648.00 | 8.88 | 225.95 | 3,629.25 | -173.94 | -179.53 | 515,436.71 | 773,979.14 | 32° 24' 50.12 N | 103° 26' 43.87 W |
| 3,742.00 | 8.97 | 228.58 | 3,722.11 | -183.83 | -190.24 | 515,426.81 | 773,968.43 | 32° 24' 50.02 N | 103° 26' 43.99 W |
| 3,836.00 | 8.09 | 229.46 | 3,815.07 | -192.98 | -200.76 | 515,417.67 | 773,957.90 | 32° 24' 49.93 N | 103° 26' 44.12 W |
| 3,931.00 | 8.09 | 230.17 | 3,909.12 | -201.60 | -210.98 | 515,409.04 | 773,947.69 | 32° 24' 49.85 N | 103° 26' 44.24 W |
| 4,024.00 | 8.27 | 229.29 | 4,001.18 | -210.16 | -221.07 | 515,400.49 | 773,937.60 | 32° 24' 49.76 N | 103° 26' 44.35 W |
| 4,118.00 | 9.15 | 231.05 | 4,094.09 | -219.26 | -232.01 | 515,391.38 | 773,926.66 | 32° 24' 49.67 N | 103° 26' 44.48 W |
| 4,212.00 | 8.27 | 238.08 | 4,187.01 | -227.54 | -243.56 | 515,383.10 | 773,915.11 | 32° 24' 49.59 N | 103° 26' 44.62 W |
| 4,305.00 | 8.71 | 234.21 | 4,278.99 | -235.19 | -254.95 | 515,375.45 | 773,903.72 | 32° 24' 49.52 N | 103° 26' 44.75 W |
| 4,399.00 | 9.94 | 232.63 | 4,371.75 | -244.28 | -267.17 | 515,366.36 | 773,891.50 | 32° 24' 49.43 N | 103° 26' 44.89 W |
| 4,493.00 | 7.56 | 251.26 | 4,464.67 | -251.19 | -279.48 | 515,359.45 | 773,879.19 | 32° 24' 49.36 N | 103° 26' 45.04 W |
| 4,587.00 | 5.45 | 255.66 | 4,558.06 | -254.28 | -289.66 | 515,356.36 | 773,869.01 | 32° 24' 49.33 N | 103° 26' 45.16 W |
| 4,682.00 | 4.22 | 252.84 | 4,652.72 | -256.43 | -297.37 | 515,354.21 | 773,861.30 | 32° 24' 49.31 N | 103° 26' 45.25 W |
| 4,776.00 | 3.25 | 254.95 | 4,746.52 | -258.15 | -303.25 | 515,352.50 | 773,855.42 | 32° 24' 49.29 N | 103° 26' 45.32 W |
| 4,870.00 | 2.81 | 239.66 | 4,840.39 | -260.00 | -307.81 | 515,350.64 | 773,850.86 | 32° 24' 49.28 N | 103° 26' 45.37 W |
| 4,965.00 | 2.73 | 241.07 | 4,935.27 | -262.27 | -311.80 | 515,348.37 | 773,846.87 | 32° 24' 49.25 N | 103° 26' 45.42 W |
| 5,059.00 | 2.55 | 245.99 | 5,029.17 | -264.21 | -315.67 | 515,346.44 | 773,843.00 | 32° 24' 49.23 N | 103° 26' 45.46 W |
| 5,152.00 | 2.81 | 251.08 | 5,122.07 | -265.79 | -319.72 | 515,344.85 | 773,838.95 | 32° 24' 49.22 N | 103° 26' 45.51 W |
| 5,246.00 | 3.25 | 255.30 | 5,215.94 | -267.21 | -324.47 | 515,343.43 | 773,834.19 | 32° 24' 49.21 N | 103° 26' 45.57 W |
| 5,341.00 | 3.61 | 255.30 | 5,310.77 | -268.65 | -329.97 | 515,341.99 | 773,828.70 | 32° 24' 49.19 N | 103° 26' 45.63 W |



Released to Imaging: 1/29/2025 10:35:59 AM

# Survey Report - Geographic

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| 5,435.00 | 3.78 | 257.76 | 5,404.58 | -270.06 | -335.86 | 515,340.58 | 773,822.81 | 32° 24' 49.18 N | 103° 26' 45.70 W |
| 5,530.00 | 3.69 | 260.58 | 5,499.37 | -271.22 | -341.94 | 515,339.42 | 773,816.73 | 32° 24' 49.17 N | 103° 26' 45.77 W |
| 5,566.00 | 3.87 | 259.17 | 5,535.30 | -271.64 | -344.27 | 515,339.00 | 773,814.39 | 32° 24' 49.16 N | 103° 26' 45.80 W |
| 5,667.00 | 3.78 | 262.33 | 5,636.07 | -272.73 | -350.92 | 515,337.91 | 773,807.75 | 32° 24' 49.15 N | 103° 26' 45.87 W |
| 5,761.00 | 4.40 | 218.92 | 5,729.85 | -275.95 | -356.26 | 515,334.69 | 773,802.41 | 32° 24' 49.12 N | 103° 26' 45.94 W |
| 5,856.00 | 2.20 | 188.86 | 5,824.70 | -280.58 | -358.83 | 515,330.06 | 773,799.84 | 32° 24' 49.08 N | 103° 26' 45.97 W |
| 5,949.00 | 1.93 | 108.53 | 5,917.65 | -282.85 | -357.62 | 515,327.80 | 773,801.05 | 32° 24' 49.05 N | 103° 26' 45.95 W |
| 6,043.00 | 2.29 | 107.47 | 6,011.59 | -283.91 | -354.33 | 515,326.73 | 773,804.34 | 32° 24' 49.04 N | 103° 26' 45.92 W |
| 6,138.00 | 0.79 | 3.94 | 6,106.56 | -283.83 | -352.47 | 515,326.81 | 773,806.20 | 32° 24' 49.04 N | 103° 26' 45.89 W |
| 6,232.00 | 0.88 | 2.35 | 6,200.55 | -282.46 | -352.40 | 515,328.18 | 773,806.27 | 32° 24' 49.06 N | 103° 26' 45.89 W |
| 6,326.00 | 1.06 | 7.63 | 6,294.54 | -280.88 | -352.25 | 515,329.76 | 773,806.42 | 32° 24' 49.07 N | 103° 26' 45.89 W |
| 6,420.00 | 0.88 | 350.05 | 6,388.52 | -279.31 | -352.26 | 515,331.34 | 773,806.41 | 32° 24' 49.09 N | 103° 26' 45.89 W |
| 6,514.00 | 1.14 | 2.88 | 6,482.51 | -277.66 | -352.34 | 515,332.98 | 773,806.33 | 32° 24' 49.10 N | 103° 26' 45.89 W |
| 6,608.00 | 1.32 | 349.17 | 6,576.49 | -275.66 | -352.49 | 515,334.98 | 773,806.17 | 32° 24' 49.12 N | 103° 26' 45.89 W |
| 6,701.00 | 1.14 | 1.65 | 6,669.47 | -273.69 | -352.67 | 515,336.95 | 773,806.00 | 32° 24' 49.14 N | 103° 26' 45.89 W |
| 6,796.00 | 1.14 | 348.12 | 6,764.45 | -271.82 | -352.84 | 515,338.82 | 773,805.83 | 32° 24' 49.16 N | 103° 26' 45.90 W |
| 6,889.00 | 1.14 | 335.99 | 6,857.43 | -270.07 | -353.40 | 515,340.57 | 773,805.26 | 32° 24' 49.18 N | 103° 26' 45.90 W |
| 6,983.00 | 1.06 | 324.39 | 6,951.41 | -268.51 | -354.29 | 515,342.14 | 773,804.38 | 32° 24' 49.20 N | 103° 26' 45.91 W |
| 7,076.00 | 0.88 | 333.53 | 7,044.40 | -267.17 | -355.11 | 515,343.47 | 773,803.56 | 32° 24' 49.21 N | 103° 26' 45.92 W |
| 7,171.00 | 1.23 | 339.33 | 7,139.38 | -265.56 | -355.79 | 515,345.08 | 773,802.87 | 32° 24' 49.22 N | 103° 26' 45.93 W |
| 7,265.00 | 1.06 | 340.21 | 7,233.37 | -263.80 | -356.45 | 515,346.84 | 773,802.22 | 32° 24' 49.24 N | 103° 26' 45.94 W |
| 7,359.00 | 0.53 | 332.12 | 7,327.36 | -262.60 | -356.94 | 515,348.05 | 773,801.72 | 32° 24' 49.25 N | 103° 26' 45.94 W |
| 7,452.00 | 0.88 | 108.70 | 7,420.35 | -262.44 | -356.47 | 515,348.20 | 773,802.20 | 32° 24' 49.26 N | 103° 26' 45.94 W |
| 7,545.00 | 1.23 | 104.31 | 7,513.34 | -262.92 | -354.82 | 515,347.72 | 773,803.84 | 32° 24' 49.25 N | 103° 26' 45.92 W |
| 7,639.00 | 1.85 | 133.14 | 7,607.30 | -264.21 | -352.74 | 515,346.43 | 773,805.93 | 32° 24' 49.24 N | 103° 26' 45.89 W |
| 7,733.00 | 1.67 | 136.48 | 7,701.26 | -266.24 | -350.69 | 515,344.40 | 773,807.98 | 32° 24' 49.22 N | 103° 26' 45.87 W |
| 7,827.00 | 1.06 | 130.67 | 7,795.23 | -267.80 | -349.09 | 515,342.84 | 773,809.58 | 32° 24' 49.20 N | 103° 26' 45.85 W |
| 7,921.00 | 1.32 | 129.44 | 7,889.21 | -269.05 | -347.59 | 515,341.59 | 773,811.08 | 32° 24' 49.19 N | 103° 26' 45.84 W |
| 8,015.00 | 0.97 | 122.24 | 7,983.19 | -270.16 | -346.08 | 515,340.48 | 773,812.59 | 32° 24' 49.18 N | 103° 26' 45.82 W |
| 8,109.00 | 1.06 | 244.05 | 8,077.19 | -270.97 | -346.19 | 515,339.67 | 773,812.48 | 32° 24' 49.17 N | 103° 26' 45.82 W |
| 8,203.00 | 1.06 | 252.14 | 8,171.17 | -271.62 | -347.80 | 515,339.02 | 773,810.87 | 32° 24' 49.16 N | 103° 26' 45.84 W |
| 8,297.00 | 1.14 | 272.88 | 8,265.15 | -271.84 | -349.56 | 515,338.81 | 773,809.11 | 32° 24' 49.16 N | 103° 26' 45.86 W |
| 8,391.00 | 1.32 | 304.35 | 8,359.13 | -271.18 | -351.39 | 515,339.46 | 773,807.28 | 32° 24' 49.17 N | 103° 26' 45.88 W |
| 8,485.00 | 2.55 | 321.75 | 8,453.08 | -268.93 | -353.58 | 515,341.72 | 773,805.09 | 32° 24' 49.19 N | 103° 26' 45.91 W |
| 8,579.00 | 3.17 | 332.65 | 8,546.96 | -264.97 | -356.07 | 515,345.67 | 773,802.60 | 32° 24' 49.23 N | 103° 26' 45.93 W |
| 8,674.00 | 2.81 | 344.25 | 8,641.83 | -260.40 | -357.90 | 515,350.24 | 773,800.76 | 32° 24' 49.28 N | 103° 26' 45.95 W |
| 8,768.00 | 0.79 | 234.39 | 8,735.79 | -258.56 | -359.06 | 515,352.08 | 773,799.61 | 32° 24' 49.29 N | 103° 26' 45.97 W |
| 8,861.00 | 1.76 | 211.01 | 8,828.77 | -260.16 | -360.31 | 515,350.48 | 773,798.35 | 32° 24' 49.28 N | 103° 26' 45.98 W |
| 8,954.00 | 3.61 | 176.91 | 8,921.67 | -264.31 | -360.89 | 515,346.34 | 773,797.77 | 32° 24' 49.24 N | 103° 26' 45.99 W |
| 9,048.00 | 3.34 | 186.05 | 9,015.50 | -269.98 | -361.02 | 515,340.66 | 773,797.65 | 32° 24' 49.18 N | 103° 26' 45.99 W |
| 9,142.00 | 2.99 | 198.88 | 9,109.36 | -275.03 | -362.10 | 515,335.62 | 773,796.56 | 32° 24' 49.13 N | 103° 26' 46.01 W |
| 9,237.00 | 6.33 | 182.71 | 9,204.03 | -282.60 | -363.15 | 515,328.04 | 773,795.51 | 32° 24' 49.06 N | 103° 26' 46.02 W |
| 9,246.14 | 6.33 | 184.22 | 9,213.12 | -283.61 | -363.21 | 515,327.03 | 773,795.45 | 32° 24' 49.05 N | 103° 26' 46.02 W |
| **Hard Line Crossing 1 @ 9246.14' MD** | | | | | | | | | |
| 9,332.00 | 6.51 | 198.17 | 9,298.44 | -292.95 | -365.08 | 515,317.69 | 773,793.59 | 32° 24' 48.95 N | 103° 26' 46.04 W |
| 9,426.00 | 6.07 | 209.78 | 9,391.88 | -302.33 | -369.21 | 515,308.31 | 773,789.46 | 32° 24' 48.86 N | 103° 26' 46.09 W |
| 9,520.00 | 4.57 | 198.70 | 9,485.48 | -310.19 | -372.88 | 515,300.45 | 773,785.79 | 32° 24' 48.78 N | 103° 26' 46.13 W |
| 9,615.00 | 4.75 | 190.09 | 9,580.16 | -317.65 | -374.78 | 515,292.99 | 773,783.88 | 32° 24' 48.71 N | 103° 26' 46.16 W |
| 9,642.00 | 4.40 | 189.91 | 9,607.08 | -319.77 | -375.16 | 515,290.87 | 773,783.51 | 32° 24' 48.69 N | 103° 26' 46.16 W |
| 9,733.00 | 3.17 | 347.06 | 9,698.00 | -320.76 | -376.32 | 515,289.88 | 773,782.34 | 32° 24' 48.68 N | 103° 26' 46.18 W |
| 9,780.00 | 9.85 | 5.87 | 9,744.67 | -315.49 | -376.20 | 515,295.16 | 773,782.47 | 32° 24' 48.73 N | 103° 26' 46.17 W |
| 9,828.00 | 17.15 | 6.22 | 9,791.32 | -304.35 | -375.01 | 515,306.29 | 773,783.65 | 32° 24' 48.84 N | 103° 26' 46.16 W |
| 9,874.00 | 25.15 | 0.77 | 9,834.19 | -287.81 | -374.15 | 515,322.84 | 773,784.52 | 32° 24' 49.01 N | 103° 26' 46.15 W |



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# Survey Report - Geographic

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| 9,883.60 | 25.52 | 359.98 | 9,842.86 | -283.70 | -374.12 | 515,326.94 | 773,784.55 | 32° 24' 49.05 N | 103° 26' 46.15 W |
| **Hard Line Crossing 2 @ 9883.60' MD** | | | | | | | | | |
| 9,921.00 | 27.00 | 357.08 | 9,876.40 | -267.16 | -374.56 | 515,343.48 | 773,784.11 | 32° 24' 49.21 N | 103° 26' 46.15 W |
| 9,968.00 | 30.78 | 356.38 | 9,917.55 | -244.50 | -375.86 | 515,366.14 | 773,782.81 | 32° 24' 49.43 N | 103° 26' 46.16 W |
| 10,016.00 | 32.27 | 358.66 | 9,958.46 | -219.43 | -376.93 | 515,391.21 | 773,781.73 | 32° 24' 49.68 N | 103° 26' 46.17 W |
| 10,063.00 | 31.57 | 358.49 | 9,998.36 | -194.58 | -377.55 | 515,416.06 | 773,781.12 | 32° 24' 49.93 N | 103° 26' 46.18 W |
| 10,110.00 | 36.93 | 359.19 | 10,037.19 | -168.15 | -378.08 | 515,442.49 | 773,780.59 | 32° 24' 50.19 N | 103° 26' 46.18 W |
| 10,157.00 | 37.99 | 358.84 | 10,074.50 | -139.57 | -378.57 | 515,471.07 | 773,780.10 | 32° 24' 50.47 N | 103° 26' 46.18 W |
| 10,205.00 | 43.00 | 356.73 | 10,110.99 | -108.43 | -379.80 | 515,502.21 | 773,778.87 | 32° 24' 50.78 N | 103° 26' 46.20 W |
| 10,227.77 | 45.29 | 355.49 | 10,127.33 | -92.61 | -380.88 | 515,518.03 | 773,777.79 | 32° 24' 50.94 N | 103° 26' 46.21 W |
| **LP (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 10,252.00 | 47.75 | 354.27 | 10,144.00 | -75.10 | -382.45 | 515,535.54 | 773,776.21 | 32° 24' 51.11 N | 103° 26' 46.22 W |
| 10,299.00 | 52.23 | 354.80 | 10,174.21 | -39.28 | -385.88 | 515,571.36 | 773,772.79 | 32° 24' 51.47 N | 103° 26' 46.26 W |
| 10,346.00 | 52.76 | 354.62 | 10,202.83 | -2.15 | -389.31 | 515,608.49 | 773,769.35 | 32° 24' 51.83 N | 103° 26' 46.30 W |
| 10,394.00 | 58.30 | 353.57 | 10,229.98 | 37.19 | -393.40 | 515,647.84 | 773,765.27 | 32° 24' 52.22 N | 103° 26' 46.34 W |
| 10,441.00 | 65.42 | 353.21 | 10,252.13 | 78.34 | -398.17 | 515,688.98 | 773,760.50 | 32° 24' 52.63 N | 103° 26' 46.39 W |
| 10,488.00 | 69.56 | 354.80 | 10,270.13 | 121.51 | -402.69 | 515,732.15 | 773,755.97 | 32° 24' 53.06 N | 103° 26' 46.44 W |
| 10,535.00 | 74.57 | 359.01 | 10,284.60 | 166.13 | -405.08 | 515,776.77 | 773,753.59 | 32° 24' 53.50 N | 103° 26' 46.46 W |
| 10,582.00 | 78.70 | 1.12 | 10,295.46 | 211.85 | -405.02 | 515,822.49 | 773,753.64 | 32° 24' 53.95 N | 103° 26' 46.46 W |
| 10,676.00 | 86.88 | 0.77 | 10,307.25 | 305.01 | -403.49 | 515,915.65 | 773,755.18 | 32° 24' 54.87 N | 103° 26' 46.43 W |
| 10,770.00 | 90.48 | 0.07 | 10,309.42 | 398.97 | -402.80 | 516,009.61 | 773,755.87 | 32° 24' 55.80 N | 103° 26' 46.41 W |
| 10,864.00 | 90.57 | 1.12 | 10,308.55 | 492.96 | -401.82 | 516,103.60 | 773,756.84 | 32° 24' 56.73 N | 103° 26' 46.39 W |
| 10,958.00 | 90.13 | 0.95 | 10,307.98 | 586.94 | -400.13 | 516,197.58 | 773,758.54 | 32° 24' 57.66 N | 103° 26' 46.37 W |
| 11,052.00 | 90.04 | 1.65 | 10,307.84 | 680.92 | -397.99 | 516,291.56 | 773,760.67 | 32° 24' 58.59 N | 103° 26' 46.33 W |
| 11,145.00 | 89.87 | 1.30 | 10,307.91 | 773.89 | -395.60 | 516,384.53 | 773,763.07 | 32° 24' 59.51 N | 103° 26' 46.29 W |
| 11,240.00 | 89.52 | 1.65 | 10,308.42 | 868.85 | -393.15 | 516,479.49 | 773,765.51 | 32° 25' 0.45 N | 103° 26' 46.26 W |
| 11,334.00 | 89.09 | 1.65 | 10,309.56 | 962.81 | -390.45 | 516,573.45 | 773,768.22 | 32° 25' 1.38 N | 103° 26' 46.22 W |
| 11,428.00 | 91.63 | 1.48 | 10,308.97 | 1,056.76 | -387.88 | 516,667.40 | 773,770.79 | 32° 25' 2.31 N | 103° 26' 46.18 W |
| 11,522.00 | 92.42 | 2.00 | 10,305.65 | 1,150.66 | -385.03 | 516,761.30 | 773,773.64 | 32° 25' 3.24 N | 103° 26' 46.13 W |
| 11,615.00 | 92.86 | 1.83 | 10,301.36 | 1,243.51 | -381.92 | 516,854.15 | 773,776.74 | 32° 25' 4.16 N | 103° 26' 46.09 W |
| 11,709.00 | 93.39 | 1.65 | 10,296.24 | 1,337.32 | -379.07 | 516,947.97 | 773,779.59 | 32° 25' 5.09 N | 103° 26' 46.05 W |
| 11,802.00 | 91.54 | 2.00 | 10,292.24 | 1,430.19 | -376.12 | 517,040.83 | 773,782.55 | 32° 25' 6.01 N | 103° 26' 46.00 W |
| 11,895.00 | 91.89 | 1.83 | 10,289.46 | 1,523.09 | -373.01 | 517,133.73 | 773,785.66 | 32° 25' 6.92 N | 103° 26' 45.96 W |
| 11,987.00 | 92.51 | 1.30 | 10,285.92 | 1,614.99 | -370.50 | 517,225.63 | 773,788.17 | 32° 25' 7.83 N | 103° 26' 45.92 W |
| 12,081.00 | 90.92 | 0.77 | 10,283.11 | 1,708.93 | -368.80 | 517,319.57 | 773,789.87 | 32° 25' 8.76 N | 103° 26' 45.89 W |
| 12,175.00 | 90.40 | 0.25 | 10,282.03 | 1,802.92 | -367.96 | 517,413.56 | 773,790.70 | 32° 25' 9.69 N | 103° 26' 45.87 W |
| 12,269.00 | 90.57 | 0.60 | 10,281.23 | 1,896.91 | -367.27 | 517,507.55 | 773,791.40 | 32° 25' 10.62 N | 103° 26' 45.85 W |
| 12,362.00 | 91.89 | 0.25 | 10,279.24 | 1,989.89 | -366.58 | 517,600.53 | 773,792.09 | 32° 25' 11.54 N | 103° 26' 45.84 W |
| 12,456.00 | 92.33 | 1.30 | 10,275.78 | 2,083.81 | -365.31 | 517,694.45 | 773,793.36 | 32° 25' 12.47 N | 103° 26' 45.81 W |
| 12,549.00 | 92.59 | 0.60 | 10,271.78 | 2,176.71 | -363.77 | 517,787.35 | 773,794.90 | 32° 25' 13.39 N | 103° 26' 45.79 W |
| 12,642.00 | 92.59 | 0.25 | 10,267.58 | 2,269.62 | -363.08 | 517,880.26 | 773,795.59 | 32° 25' 14.31 N | 103° 26' 45.77 W |
| 12,735.00 | 91.45 | 359.54 | 10,264.30 | 2,362.56 | -363.25 | 517,973.20 | 773,795.42 | 32° 25' 15.23 N | 103° 26' 45.76 W |
| 12,828.00 | 91.98 | 358.49 | 10,261.52 | 2,455.50 | -364.85 | 518,066.14 | 773,793.82 | 32° 25' 16.15 N | 103° 26' 45.77 W |
| 12,923.00 | 92.15 | 358.14 | 10,258.10 | 2,550.40 | -367.64 | 518,161.04 | 773,791.03 | 32° 25' 17.09 N | 103° 26' 45.80 W |
| 13,016.00 | 90.13 | 358.31 | 10,256.25 | 2,643.33 | -370.52 | 518,253.97 | 773,788.15 | 32° 25' 18.01 N | 103° 26' 45.82 W |
| 13,110.00 | 91.45 | 358.31 | 10,254.95 | 2,737.28 | -373.29 | 518,347.92 | 773,785.38 | 32° 25' 18.94 N | 103° 26' 45.84 W |
| 13,203.00 | 89.60 | 359.19 | 10,254.10 | 2,830.24 | -375.32 | 518,440.89 | 773,783.35 | 32° 25' 19.86 N | 103° 26' 45.86 W |
| 13,297.00 | 90.13 | 359.19 | 10,254.32 | 2,924.23 | -376.65 | 518,534.88 | 773,782.02 | 32° 25' 20.79 N | 103° 26' 45.86 W |
| 13,391.00 | 90.66 | 358.84 | 10,253.67 | 3,018.22 | -378.26 | 518,628.86 | 773,780.40 | 32° 25' 21.72 N | 103° 26' 45.87 W |
| 13,484.00 | 91.80 | 359.19 | 10,251.68 | 3,111.18 | -379.86 | 518,721.82 | 773,778.81 | 32° 25' 22.64 N | 103° 26' 45.88 W |
| 13,578.00 | 92.77 | 0.42 | 10,247.93 | 3,205.10 | -380.18 | 518,815.74 | 773,778.49 | 32° 25' 23.57 N | 103° 26' 45.88 W |
| 13,672.00 | 90.57 | 0.77 | 10,245.19 | 3,299.05 | -379.21 | 518,909.69 | 773,779.46 | 32° 25' 24.50 N | 103° 26' 45.86 W |
| 13,765.00 | 90.84 | 1.65 | 10,244.04 | 3,392.02 | -377.24 | 519,002.66 | 773,781.43 | 32° 25' 25.42 N | 103° 26' 45.83 W |



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# Survey Report - Geographic

| | | | |
|---|---|---|---|
| **Company:** | Earthstone Operating, LLC | **Local Co-ordinate Reference:** | Well 2BS Com 3H |
| **Project:** | Lea County, NM (NAD 27) | **TVD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Site:** | Squeeze 2 State Pad | **MD Reference:** | GE 3571.8' + KB 26' @ 3597.80usft (Scan Patriot) |
| **Well:** | 2BS Com 3H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | LEAM Multi_User Db |

**Survey**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| 13,858.00 | 88.99 | 2.00 | 10,244.18 | 3,484.97 | -374.28 | 519,095.61 | 773,784.39 | 32° 25' 26.34 N | 103° 26' 45.78 W |
| 13,951.00 | 88.55 | 1.12 | 10,246.18 | 3,577.91 | -371.75 | 519,188.56 | 773,786.92 | 32° 25' 27.26 N | 103° 26' 45.74 W |
| 14,045.00 | 88.90 | 0.77 | 10,248.27 | 3,671.88 | -370.20 | 519,282.52 | 773,788.47 | 32° 25' 28.19 N | 103° 26' 45.72 W |
| 14,139.00 | 88.81 | 0.95 | 10,250.15 | 3,765.85 | -368.79 | 519,376.49 | 773,789.88 | 32° 25' 29.12 N | 103° 26' 45.69 W |
| 14,232.00 | 88.90 | 1.65 | 10,252.01 | 3,858.81 | -366.68 | 519,469.45 | 773,791.99 | 32° 25' 30.04 N | 103° 26' 45.66 W |
| 14,326.00 | 90.92 | 359.01 | 10,252.15 | 3,952.79 | -366.14 | 519,563.43 | 773,792.53 | 32° 25' 30.97 N | 103° 26' 45.64 W |
| 14,421.00 | 91.19 | 358.84 | 10,250.41 | 4,047.76 | -367.92 | 519,658.40 | 773,790.75 | 32° 25' 31.91 N | 103° 26' 45.65 W |
| 14,515.00 | 91.10 | 358.84 | 10,248.53 | 4,141.72 | -369.82 | 519,752.36 | 773,788.85 | 32° 25' 32.84 N | 103° 26' 45.67 W |
| 14,609.00 | 91.36 | 358.84 | 10,246.51 | 4,235.68 | -371.72 | 519,846.32 | 773,786.94 | 32° 25' 33.77 N | 103° 26' 45.68 W |
| 14,703.00 | 92.07 | 358.84 | 10,243.70 | 4,329.62 | -373.63 | 519,940.26 | 773,785.04 | 32° 25' 34.69 N | 103° 26' 45.69 W |
| 14,797.00 | 92.77 | 359.01 | 10,239.73 | 4,423.52 | -375.39 | 520,034.16 | 773,783.28 | 32° 25' 35.62 N | 103° 26' 45.70 W |
| 14,891.00 | 92.51 | 358.66 | 10,235.40 | 4,517.40 | -377.30 | 520,128.04 | 773,781.37 | 32° 25' 36.55 N | 103° 26' 45.72 W |
| 14,984.00 | 91.45 | 359.72 | 10,232.18 | 4,610.33 | -378.61 | 520,220.97 | 773,780.06 | 32° 25' 37.47 N | 103° 26' 45.72 W |
| 15,078.00 | 91.10 | 359.19 | 10,230.09 | 4,704.30 | -379.51 | 520,314.94 | 773,779.16 | 32° 25' 38.40 N | 103° 26' 45.73 W |
| 15,171.00 | 91.63 | 359.54 | 10,227.88 | 4,797.27 | -380.54 | 520,407.91 | 773,778.13 | 32° 25' 39.32 N | 103° 26' 45.73 W |
| 15,183.00 | 91.80 | 359.37 | 10,227.52 | 4,809.26 | -380.65 | 520,419.90 | 773,778.02 | 32° 25' 39.44 N | 103° 26' 45.73 W |
| 15,237.39 | 91.80 | 359.37 | 10,225.81 | 4,863.62 | -381.25 | 520,474.26 | 773,777.42 | 32° 25' 39.98 N | 103° 26' 45.73 W |
| **Hard Line Crossing 3 @ 15237.39' MD - PBHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |
| 15,238.00 | 91.80 | 359.37 | 10,225.79 | 4,864.23 | -381.25 | 520,474.87 | 773,777.41 | 32° 25' 39.99 N | 103° 26' 45.73 W |
| **Projection to Bit @ 15238' MD - BHL (Squeeze 2 State 2BS Com 3H)** | | | | | | | | | |

**Design Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 9,246.14 | 9,213.12 | -283.61 | -363.21 | Hard Line Crossing 1 @ 9246.14' MD |
| 9,883.60 | 9,842.86 | -283.70 | -374.12 | Hard Line Crossing 2 @ 9883.60' MD |
| 15,237.39 | 10,225.81 | 4,863.62 | -381.25 | Hard Line Crossing 3 @ 15237.39' MD |
| 15,238.00 | 10,225.79 | 4,864.23 | -381.25 | Projection to Bit @ 15238' MD |

Intent [ ] As Drilled [XX]

| API # |
|---|
| 30-025-49709 |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| EARTHSTONE OPERATING, LLC | SQUEEZE 2 STATE COM 2BS | 3H |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 2 | 22S | 34E | | 62 | SOUTH | 796 | WEST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.4136465 | 103.4466400 | 83 |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 2 | 22S | 34E | | 508 | SOUTH | 773 | WEST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.4148731 | 103.4467141 | 83 |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| D | 2 | 22S | 34E | 4 | 155 | NORTH | 824 | WEST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.4277464 | 103.4465165 | 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 # |
|---|
| 30-025-49156 |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| EARTHSTONE OPERATING, LLC | SQUEEZE 2 STATE COM 3BS | 1H |

KZ 06/29/2018

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-49709

5. Indicate Type of Lease STATE [x] FEE [ ]

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
SQUEEZE 2 STATE COM

1. Type of Well: Oil Well [x] Gas Well [ ] Other

8. Well Number 3H

2. Name of Operator
EARTHSTONE OPERATING, LLC

9. OGRID Number
331165

3. Address of Operator 1400 WOODLOCH FOREST DR., SUITE 300
THE WOODLANDS, TX 77380

10. Pool name or Wildcat
OJO CHISO; BONE SPRING (96553)

4. Well Location
Unit Letter M : 380 feet from the SOUTH line and 1175 feet from the WEST line
Section 2 Township 22S Range 34E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3572'GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK [ ] | PLUG AND ABANDON [ ] | REMEDIAL WORK [ ] | ALTERING CASING [ ] |
| TEMPORARILY ABANDON [ ] | CHANGE PLANS [ ] | COMMENCE DRILLING OPNS. [ ] | P AND A [ ] |
| PULL OR ALTER CASING [ ] | MULTIPLE COMPL [ ] | CASING/CEMENT JOB [ ] | |
| DOWNHOLE COMMINGLE [ ] | | | |
| CLOSED-LOOP SYSTEM [ ] | | | |
| OTHER: [ ] | | OTHER: COMPLETIONS OPERATIONS [x] | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

11/10/2022-TIH; RUN CBL W/EST TOC @ 2,470' MD

11/14/2022-SET CBP @ 15,200' MD; PRESSURE TEST 5.5" PROD CSG TO 9500 PSI, 30 MIN, GOOD TEST

11/15/2022-PERFORATE STAGE 1 @ 15,191' - 15,028'

11/16-11/30/2022-PERFORATE STAGE 2-26 @ 15,010 - 10,492

-FRACTURE ALL STAGES W/619 BBLS HCl + 236,236 BBLS SW W/7,614,743# 100 MESH + 3,454,132# 40/70 + 656,120# 30/50 SAND

-

01/06/2023-BEGIN FLOWBACK & FIRST PRODUCTION

Spud Date: 08/10/2022 Rig Release Date: 09/18/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jennifer Elrod TITLE SR. REGULATORY ANALYST DATE 03/07/2023

Type or print name JENNIFER ELROD E-mail address: JELROD@EARTHSTONEENERGY.COM PHONE: 817-953-3728

**For State Use Only**

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised April 3, 2017

1. WELL API NO. 30-025-49709
2. Type of Lease ☑ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☑ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: SQUEEZE 2 STATE COM
6. Well Number: 3H

7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator: Earthstone Operating, LLC
9. OGRID: 331165
10. Address of Operator: 1400 WOODLOCH FOREST DR. STE. 300 ATTN: REGULATORY, THE WOODLANDS, TX 77380
11. Pool name or Wildcat: OJO CHISO; BONE SPRING

| 12. Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County |
|---|---|---|---|---|---|---|---|---|---|---|
| **Surface:** | M | 02 | 22S | 34E | | 380 | SOUTH | 1175 | WEST | LEA |
| **BH:** | D | 02 | 22S | 34E | | 101 | NORTH | 823 | WEST | LEA |

| 13. Date Spudded | 14. Date T.D. Reached | 15. Date Rig Released | 16. Date Completed (Ready to Produce) | 17. Elevations (DF and RKB, RT, GR, etc.) |
|---|---|---|---|---|
| 08/12/2022 | 09/17/2022 | 09/18/2022 | 01/06/2023 | 3572 |

| 18. Total Measured Depth of Well | 19. Plug Back Measured Depth | 20. Was Directional Survey Made? | 21. Type Electric and Other Logs Run |
|---|---|---|---|
| 15238 | NA | YES | RBL |

22. Producing Interval(s), of this completion - Top, Bottom, Name
10492 - 15190 OJO CHISO; BONE SPRING

## 23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 13.375 | 54.5# J-55 | 1742 | 17.5 | 1165 sks Class C | |
| 9.625 | 40# J-55; HCL-80 | 5623 | 12.25 | 2141 sks Class C | |
| 5.5 | 20# P-110 | 15217 | 7.875 | 1455 sks Class C | |
| | | | | | |
| | | | | | |

24. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|---|---|---|---|---|
| | | | | |
| | | | | |

25. TUBING RECORD

| SIZE | DEPTH SET | PACKER SET |
|---|---|---|
| | | |
| | | |

26. Perforation record (interval, size, and number)
10492 - 15190; size 0.42; Total Shots 17008

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|---|---|
| 10492 - 15190 | FRACTURE ALL STAGES W/619 BBLS HCl + 236,236 BBLS SW W/7,614,743# 100 MESH + 3,454,132# 40/70 + 656,120# 30/50 SAND |

## 28. PRODUCTION

| Date First Production | Production Method *(Flowing, gas lift, pumping - Size and type pump)* | Well Status *(Prod. or Shut-in)* |
|---|---|---|
| 01/06/2023 | FLOW | PROD |

| Date of Test | Hours Tested | Choke Size | Prod'n For Test Period | Oil - Bbl | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|---|---|---|---|---|---|---|---|
| 01/21/2023 | 24 | 52 | | 1389 | 1562 | 1528 | |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - *(Corr.)* |
|---|---|---|---|---|---|---|
| | 425 | | 1389 | 1562 | 1528 | 40.8 |

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*: SOLD
30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.
33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:
Latitude _____ Longitude _____ NAD83

*I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief*

Signature Deborah Marberry Printed Name Deborah Marberry Title Sr. Reg Tech Date 05/18/2023

E-mail Address dmarberry@earthstoneenergy.com

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico | | Northwestern New Mexico | |
|---|---|---|---|
| T. Anhy | T. Canyon CHERRY 5856 | T. Ojo Alamo | T. Penn A" |
| T. Salt | T. Strawn | T. Kirtland | T. Penn. "B" |
| B. Salt | T. Atoka | T. Fruitland | T. Penn. "C" |
| T. Yates 3797 | T. Miss | T. Pictured Cliffs | T. Penn. "D" |
| T. 7 Rivers | T. Devonian | T. Cliff House | T. Leadville |
| T. Queen | T. Silurian | T. Menefee | T. Madison |
| T. Grayburg | T. Montoya | T. Point Lookout | T. Elbert |
| T. San Andres | T. Simpson | T. Mancos | T. McCracken |
| T. Glorieta | T. McKee | T. Gallup | T. Ignacio Otzte |
| T. Paddock | T. Ellenburger | Base Greenhorn | T.Granite |
| T. Blinebry | T. Gr. Wash | T. Dakota | |
| T.Tubb | T. Delaware Sand | T. Morrison | |
| T. Drinkard | T. Bone Springs 8440 | T.Todilto | |
| T. Abo | T. CAPITAN REEF 4063 | T. Entrada | |
| T. Wolfcamp | T. BRUSHY CANYON 7089 | T. Wingate | |
| T. Penn | T. | T. Chinle | |
| T. Cisco (Bough C) | T. | T. Permian | |

1670 RUSTLER; 2155 SALADO;

**OIL OR GAS SANDS OR ZONES**

No. 1, from……..……..….to……. No. 3, from……to…….……

No. 2, from……to…… No. 4, from……to…….

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from…….to……feet……

No. 2, from…….to……feet……

No. 3, from…….to……feet……

## LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness In Feet | Lithology | | From | To | Thickness In Feet | Lithology |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

# SQUEEZE 2 STATE COM 2BS #3H

## API # 30-025-49709

Updated: 05/18/2023



| MD | Geological Tops | Hole Size | Casing | Cement | | OH Evaluation/Logs |
|---|---|---|---|---|---|---|
| 1,000<br>1,670 RUSTLER<br>2,000<br>2,155 SALADO | 1742 | 17.5 | Surface 13.375 54.5# J-55 | 745sks Class C 2.57 Yield Tail 420sks Class C 1.34 Yield | | NA |
| 3,000'<br>3,797 YATES<br>4,000'<br>4,063 CAPITAN REEF | | 12.25 | Intermediate 9-5/8"40#Jj-55 & HCL-80 | 150 sks Class C 3.34 YIELD Tail 150 sks Class C 1.32 Yield STAGE 2 1560 sks Class C 2.17 Yield Tail 281 sks Class C 1.32 Yield | | NA |
| 5,000'<br>5,856 CHERRY CANYON<br>6,000'<br>7,000' 7,089 BRUSHY CANYON<br>8,000'<br>8,440 BONE SPRING | 5623<br>KOP 9701' | 7.875" Lateral | Production 5-1/2" 20# P110 BTC | 700 sks Class C 3.05 Yield Tail 755 sks Class C 1.93 Yield | | NA |
| 9,000'<br>10,000' | | PERFS 10,492 - 15190 | | | **5.5** - 15,217 | 15,238 MD |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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



## ACKNOWLEDGMENTS

| | |
|---|---|
| Operator:<br>Earthstone Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | OGRID:<br>331165 |
| | Action Number:<br>219051 |
| | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

| | |
|---|---|
| ☑ | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion. |
| ☑ | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |

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

CONDITIONS

Action 219051

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| Earthstone Operating, LLC<br>300 N. Marienfeld St Ste 1000<br>Midland, TX 79701 | 331165 |
| | Action Number: 219051 |
| | Action Type: [C-104] Completion Packet (C-104C) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| plmartinez | None | 1/29/2025 |