

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT
NW- 12/09/22

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EARTHSTONE OPERATING, LLC 1400 WOODLOCH FOREST DRIVE, SUITE 300 THE WOODLANDS, TX 77380		² OGRID Number 331165
		³ Reason for Filing Code/ Effective Date NW-12/09/2022
⁴ API Number 30 - 025-45406	⁵ Pool Name TEAS; BONE SPRING	⁶ Pool Code 58960
⁷ Property Code 332568	⁸ Property Name JADE 34-3 FED COM 2BS	⁹ Well Number 4H

II. ¹⁰ Surface Location

UL or lot no. D	Section 34	Township 19S	Range 33E	Lot Idn	Feet from the 270	North/South Line NORTH	Feet from the 1285	East/West line WEST	County LEA
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¹¹ Bottom Hole Location

UL or lot no. M	Section 3	Township 20S	Range 33E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 521	East/West line WEST	County LEA
¹² Lse Code F	¹³ Producing Method F Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
330257	DLK Black River Midstream, LLC	G
20667	SHELL PIPELINE CORPORATION	O

IV. Well Completion Data

²¹ Spud Date 05/14/2022	²² Ready Date 11/26/2022	²³ TD 20,296	²⁴ PBTD 20, 293	²⁵ Perforations 19,980'-10,315	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set	15'	³⁰ Sacks Cement
26"		20, 94#, J-55	1,328'		2115
17.5"		13-3/8, 54.5#, J-55	3,239'		2015
12.25"		9-5/8, 40# HCL-80 & J-55	5,433'		1900
7.875"		5-1/2 20#, P-110	20,295'		3730

V. Well Test Data

³¹ Date New Oil 12/09/2022	³² Gas Delivery Date 12/09/2022	³³ Test Date 03/08/2023	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 220
³⁷ Choke Size 64/64	³⁸ Oil 1121	³⁹ Water 3360	⁴⁰ Gas 696		⁴¹ Test Method
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: <i>Deborah Marberry</i>			OIL CONSERVATION DIVISION		
Printed name: Deborah Marberry			Approved by:		
Title: SR. REGULATORY TECH			Title:		
E-mail Address: dmarberry@EARTHSTONEENERGY.COM			Approval Date:		
Date: 05/16/2023		Phone: 281-298-4246 ext. 3091			

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-45406	² Pool Code 58960	³ Pool Name TEAS; BONE SPRING
⁴ Property Code 332568	⁵ Property Name JADE 34-3 2BS FED COM	⁶ Well Number 4H
⁷ OGRID No. 331165	⁸ Operator Name EARTHSTONE OPERATING, LLC	⁹ Elevation 3564

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
D	34	19 S	33 E		270	NORTH	1285	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
M	3	20 S	33 E		100	SOUTH	521	WEST	LEA

¹² Dedicated Acres 320.12	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

	JADE 34-3 2BS COM 4H EL. = 3564' <table border="0"> <tr> <td> GEODETTIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION N. = 591062.85 E. = 708866.64 LAT. = 32.6231028°N LONG. = 103.6549374°W KICK OFF POINT 53' FNL, 603' FWL NAD 27 NMSP EAST N. = 591276.66 E. = 708183.59 LAT. = 32.6237025°N LONG. = 103.6571514°W FIRST TAKE POINT 512' FNL, 542' FWL NAD 27 NMSP EAST N. = 590816.78 E. = 708124.73 LAT. = 32.6224395°N LONG. = 103.6573520°W LAST TAKE POINT 417' FSL, 526' FWL NAD 27 NMSP EAST N. = 581169.11 E. = 708120.47 LAT. = 32.5959216°N LONG. = 103.6575650°W BOTTOM OF HOLE NAD 27 NMSP EAST N. = 580853.26 E. = 708115.01 LAT. = 32.5950536°N LONG. = 103.6575893°W </td> <td> GEODETTIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION N. = 591125.74 E. = 750046.77 LAT. = 32.6232250°N LONG. = 103.6554329°W KICK OFF POINT 53' FNL, 603' FWL NAD 83 NMSP EAST N. = 591339.56 E. = 749363.71 LAT. = 32.6225617°N LONG. = 103.6578476°W FIRST TAKE POINT 512' FNL, 542' FWL NAD 83 NMSP EAST N. = 590879.66 E. = 749304.86 LAT. = 32.6225617°N LONG. = 103.6578476°W LAST TAKE POINT 417' FSL, 526' FWL NAD 83 NMSP EAST N. = 581231.72 E. = 749300.88 LAT. = 32.5960439°N LONG. = 103.6580596°W BOTTOM OF HOLE NAD 83 NMSP EAST N. = 580915.86 E. = 749295.42 LAT. = 32.5951759°N LONG. = 103.6580838°W </td> </tr> <tr> <td colspan="2"> CORNER COORDINATES TABLE NAD 27 NMSP EAST <table border="0"> <tr><td>A - 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Signature Date 12/16/2022 JENNIFER ELROD Printed Name JELROD@EARTHSTONEENERGY.COM E-mail Address
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		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. DECEMBER 12, 2022 Date of Survey Signature and Seal of Professional Surveyor Certificate Number: 12797 Survey No. 9551																																				



Earthstone Operating, LLC

Lea County, NM (Nad 83 NME)

Jade 34-3 Fed

2BS Com 4H

OH / 69700

Design: Surveys (Scandrill Star)

Standard Survey Report

05 August, 2022





Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandrill Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandrill Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandrill Star)	Database:	USA Compass

Project	Lea County, NM (Nad 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Jade 34-3 Fed		
Site Position:		Northing:	591,125.00 usft
From:	Map	Easting:	750,020.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 23.604476 N
		Longitude:	103° 39' 19.864427 W
		Grid Convergence:	0.365 °

Well	2BS Com 4H		
Well Position	+N/-S	0.00 usft	Northing: 591,125.20 usft
	+E/-W	0.00 usft	Easting: 750,050.60 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 37' 23.604562 N
		Longitude:	103° 39' 19.513643 W
		Ground Level:	3,564.00 usft

Wellbore	OH / 69700		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	6/21/2022	6.396
			Dip Angle (°) 60.474
			Field Strength (nT) 47,866.16342277

Design	Surveys (Scandrill Star)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 179.92

Survey Program	Date	8/5/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
188.00	20,296.00	Phoenix MWD Surveys (OH / 69700)	MWD+HRGM	OWSG MWD + HRGM

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
188.00	0.71	29.13	188.00	1.02	0.57	-1.02	0.38	0.38	0.00
First Phoenix MWD Survey									
307.00	0.65	22.66	306.99	2.28	1.19	-2.28	0.08	-0.05	-5.44
395.00	0.64	17.38	394.98	3.21	1.53	-3.21	0.07	-0.01	-6.00
487.00	0.71	10.22	486.97	4.27	1.78	-4.26	0.12	0.08	-7.78
579.00	0.65	356.96	578.97	5.35	1.85	-5.34	0.18	-0.07	-14.41
671.00	0.66	1.31	670.96	6.40	1.84	-6.40	0.06	0.01	4.73
762.00	1.16	11.70	761.95	7.82	2.04	-7.82	0.58	0.55	11.42
854.00	1.04	356.73	853.93	9.57	2.18	-9.57	0.34	-0.13	-16.27
948.00	1.48	340.90	947.91	11.57	1.73	-11.57	0.59	0.47	-16.84



Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandrift Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandrift Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandrift Star)	Database:	USA Compass

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)
1,043.00	1.26	342.87	1,042.88	13.73	1.02	-13.72	0.24	-0.23	2.07
1,138.00	1.07	331.89	1,137.86	15.51	0.30	-15.51	0.31	-0.20	-11.56
1,232.00	0.84	328.14	1,231.85	16.87	-0.48	-16.87	0.25	-0.24	-3.99
1,388.00	1.12	325.55	1,387.83	19.09	-1.95	-19.10	0.18	0.18	-1.66
1,483.00	1.72	310.01	1,482.80	20.78	-3.56	-20.78	0.74	0.63	-16.36
1,577.00	3.36	293.94	1,576.70	22.80	-7.16	-22.81	1.89	1.74	-17.10
1,671.00	4.96	286.92	1,670.45	25.10	-13.57	-25.12	1.78	1.70	-7.47
1,765.00	5.34	287.62	1,764.07	27.61	-21.62	-27.64	0.41	0.40	0.74
1,859.00	5.82	288.17	1,857.63	30.42	-30.32	-30.46	0.51	0.51	0.59
1,953.00	6.21	288.60	1,951.11	33.53	-39.67	-33.58	0.42	0.41	0.46
2,047.00	6.76	286.58	2,044.51	36.73	-49.79	-36.80	0.63	0.59	-2.15
2,141.00	7.36	282.89	2,137.80	39.65	-60.96	-39.73	0.80	0.64	-3.93
2,236.00	7.83	284.49	2,231.96	42.63	-73.16	-42.73	0.54	0.49	1.68
2,330.00	7.98	285.40	2,325.07	45.96	-85.65	-46.08	0.21	0.16	0.97
2,424.00	6.69	281.00	2,418.30	48.74	-97.31	-48.87	1.50	-1.37	-4.68
2,519.00	6.76	281.66	2,512.65	50.92	-108.22	-51.08	0.11	0.07	0.69
2,613.00	7.26	283.11	2,605.94	53.39	-119.43	-53.56	0.56	0.53	1.54
2,708.00	7.60	283.58	2,700.15	56.23	-131.38	-56.41	0.36	0.36	0.49
2,802.00	7.80	285.23	2,793.30	59.36	-143.57	-59.56	0.32	0.21	1.76
2,896.00	8.09	286.09	2,886.40	62.87	-156.08	-63.09	0.33	0.31	0.91
2,990.00	8.29	286.56	2,979.44	66.63	-168.94	-66.87	0.22	0.21	0.50
3,084.00	8.53	286.54	3,072.43	70.55	-182.11	-70.80	0.26	0.26	-0.02
3,158.00	8.93	286.74	3,145.57	73.77	-192.87	-74.04	0.54	0.54	0.27
3,298.00	10.42	285.59	3,283.57	80.30	-215.48	-80.60	1.07	1.06	-0.82
3,392.00	10.38	286.28	3,376.03	84.96	-231.79	-85.28	0.14	-0.04	0.73
3,486.00	10.09	286.07	3,468.53	89.61	-247.83	-89.96	0.31	-0.31	-0.22
3,581.00	9.51	286.91	3,562.15	94.20	-263.34	-94.57	0.63	-0.61	0.88
3,769.00	6.56	279.87	3,748.29	100.56	-288.78	-100.96	1.65	-1.57	-3.74
3,863.00	6.85	281.98	3,841.64	102.64	-299.56	-103.06	0.40	0.31	2.24
3,958.00	5.94	278.43	3,936.05	104.54	-309.96	-104.97	1.04	-0.96	-3.74
4,052.00	5.87	273.07	4,029.55	105.51	-319.57	-105.95	0.59	-0.07	-5.70
4,146.00	6.38	272.05	4,123.02	105.95	-329.59	-106.41	0.55	0.54	-1.09
4,240.00	7.03	272.55	4,216.37	106.40	-340.56	-106.87	0.69	0.69	0.53
4,334.00	7.56	273.52	4,309.61	107.03	-352.48	-107.52	0.58	0.56	1.03
4,429.00	6.85	271.23	4,403.86	107.54	-364.38	-108.05	0.81	-0.75	-2.41
4,523.00	6.16	270.68	4,497.25	107.72	-375.03	-108.24	0.74	-0.73	-0.59
4,617.00	6.65	270.48	4,590.67	107.82	-385.51	-108.36	0.52	0.52	-0.21
4,712.00	7.27	272.33	4,684.97	108.11	-397.02	-108.67	0.69	0.65	1.95
4,806.00	7.87	272.89	4,778.15	108.68	-409.39	-109.25	0.64	0.64	0.60
4,901.00	6.84	275.85	4,872.37	109.58	-421.51	-110.17	1.15	-1.08	3.12
4,995.00	5.80	278.62	4,965.79	110.87	-431.78	-111.47	1.15	-1.11	2.95
5,089.00	6.18	282.43	5,059.28	112.67	-441.42	-113.28	0.58	0.40	4.05
5,184.00	6.24	294.26	5,153.73	115.89	-451.12	-116.52	1.35	0.06	12.45



Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandril Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandril Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandril Star)	Database:	USA Compass

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)
5,278.00	6.57	293.86	5,247.14	120.16	-460.69	-120.81	0.35	0.35	-0.43
5,371.00	7.02	295.78	5,339.49	124.79	-470.67	-125.44	0.54	0.48	2.06
5,516.00	6.63	294.10	5,483.46	132.06	-486.29	-132.74	0.30	-0.27	-1.16
5,611.00	6.27	294.31	5,577.86	136.43	-496.03	-137.13	0.38	-0.38	0.22
5,705.00	6.28	292.61	5,671.29	140.52	-505.45	-141.23	0.20	0.01	-1.81
5,800.00	6.24	292.14	5,765.73	144.47	-515.03	-145.19	0.07	-0.04	-0.49
5,895.00	5.87	291.10	5,860.20	148.16	-524.35	-148.89	0.41	-0.39	-1.09
5,989.00	5.38	293.15	5,953.74	151.62	-532.88	-152.37	0.56	-0.52	2.18
6,084.00	4.74	288.79	6,048.37	154.64	-540.69	-155.39	0.79	-0.67	-4.59
6,178.00	4.25	287.59	6,142.08	156.94	-547.69	-157.71	0.53	-0.52	-1.28
6,273.00	5.58	292.29	6,236.73	159.76	-555.32	-160.53	1.46	1.40	4.95
6,368.00	7.42	298.22	6,331.12	164.41	-565.00	-165.20	2.06	1.94	6.24
6,463.00	6.98	295.00	6,425.37	169.75	-575.64	-170.56	0.63	-0.46	-3.39
6,557.00	6.61	296.22	6,518.71	174.56	-585.67	-175.37	0.42	-0.39	1.30
6,652.00	6.05	297.52	6,613.13	179.29	-595.01	-180.12	0.61	-0.59	1.37
6,746.00	5.71	296.97	6,706.64	183.70	-603.57	-184.54	0.37	-0.36	-0.59
6,841.00	5.36	296.59	6,801.19	187.82	-611.75	-188.68	0.37	-0.37	-0.40
6,936.00	5.25	294.91	6,895.79	191.64	-619.66	-192.51	0.20	-0.12	-1.77
7,030.00	4.84	297.28	6,989.42	195.27	-627.09	-196.15	0.49	-0.44	2.52
7,125.00	4.86	295.66	7,084.08	198.85	-634.28	-199.74	0.15	0.02	-1.71
7,219.00	3.99	296.30	7,177.80	202.02	-640.80	-202.92	0.93	-0.93	0.68
7,314.00	4.03	290.78	7,272.57	204.67	-646.88	-205.57	0.41	0.04	-5.81
7,408.00	4.28	289.08	7,366.32	206.99	-653.28	-207.90	0.30	0.27	-1.81
7,503.00	4.07	289.79	7,461.07	209.29	-659.81	-210.21	0.23	-0.22	0.75
7,598.00	4.05	289.58	7,555.83	211.56	-666.14	-212.49	0.03	-0.02	-0.22
7,692.00	3.70	286.03	7,649.62	213.51	-672.18	-214.44	0.45	-0.37	-3.78
7,787.00	1.98	283.50	7,744.50	214.74	-676.73	-215.68	1.81	-1.81	-2.66
7,881.00	1.65	266.90	7,838.45	215.04	-679.66	-215.99	0.66	-0.35	-17.66
7,976.00	1.44	261.82	7,933.41	214.80	-682.20	-215.75	0.26	-0.22	-5.35
8,070.00	1.66	264.16	8,027.38	214.49	-684.73	-215.45	0.24	0.23	2.49
8,165.00	1.43	265.29	8,122.35	214.25	-687.28	-215.21	0.24	-0.24	1.19
8,260.00	1.10	270.21	8,217.32	214.16	-689.37	-215.12	0.37	-0.35	5.18
8,354.00	1.10	261.97	8,311.31	214.04	-691.17	-215.00	0.17	0.00	-8.77
8,449.00	0.73	244.06	8,406.29	213.65	-692.61	-214.61	0.49	-0.39	-18.85
8,544.00	0.42	177.37	8,501.29	213.03	-693.14	-214.00	0.72	-0.33	-70.20
8,638.00	0.69	187.09	8,595.28	212.13	-693.20	-213.09	0.30	0.29	10.34
8,733.00	0.68	81.00	8,690.28	211.65	-692.71	-212.61	1.15	-0.01	-111.67
8,828.00	1.32	75.08	8,785.27	212.02	-691.09	-212.98	0.68	0.67	-6.23
8,923.00	1.28	50.19	8,880.24	212.98	-689.22	-213.94	0.59	-0.04	-26.20
9,017.00	0.87	53.56	8,974.23	214.07	-687.84	-215.03	0.44	-0.44	3.59
9,132.00	0.73	88.04	9,089.21	214.62	-686.41	-215.58	0.43	-0.12	29.98
9,227.00	1.11	104.03	9,184.20	214.42	-684.91	-215.37	0.48	0.40	16.83
9,321.00	1.08	112.39	9,278.19	213.86	-683.21	-214.81	0.17	-0.03	8.89



Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandrift Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandrift Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandrift Star)	Database:	USA Compass

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)
9,416.00	1.32	103.34	9,373.16	213.26	-681.31	-214.22	0.32	0.25	-9.53
9,511.00	5.64	199.42	9,468.01	208.60	-681.80	-209.56	6.24	4.55	101.14
9,606.00	13.40	189.04	9,561.63	193.31	-685.09	-194.26	8.33	8.17	-10.93
9,700.00	20.04	189.71	9,651.61	166.64	-689.52	-167.61	7.07	7.06	0.71
9,795.00	28.35	187.54	9,738.19	128.17	-695.24	-129.14	8.80	8.75	-2.28
9,890.00	33.46	189.81	9,819.68	79.97	-702.66	-80.95	5.52	5.38	2.39
9,985.00	40.64	187.74	9,895.45	23.43	-711.30	-24.43	7.67	7.56	-2.18
10,080.00	51.77	183.98	9,961.11	-44.67	-718.08	43.67	12.06	11.72	-3.96
10,175.00	56.63	184.85	10,016.66	-121.47	-724.03	120.46	5.17	5.12	0.92
10,269.00	67.13	189.19	10,060.92	-203.59	-734.30	202.56	11.89	11.17	4.62
10,364.00	73.21	191.46	10,093.14	-291.45	-750.34	290.41	6.78	6.40	2.39
10,459.00	84.66	189.07	10,111.34	-383.04	-766.89	381.97	12.30	12.05	-2.52
10,482.00	88.01	188.27	10,112.81	-405.73	-770.35	404.65	14.97	14.57	-3.48
10,576.00	89.72	185.39	10,114.67	-499.03	-781.52	497.94	3.56	1.82	-3.06
10,671.00	88.99	183.26	10,115.74	-593.75	-788.69	592.65	2.37	-0.77	-2.24
10,766.00	89.86	180.47	10,116.70	-688.68	-791.78	687.58	3.08	0.92	-2.94
10,860.00	89.41	179.97	10,117.30	-782.68	-792.14	781.57	0.72	-0.48	-0.53
10,955.00	87.78	180.31	10,119.62	-877.65	-792.37	876.54	1.75	-1.72	0.36
11,048.00	87.36	181.25	10,123.57	-970.55	-793.63	969.45	1.11	-0.45	1.01
11,139.00	88.32	181.16	10,127.00	-1,061.47	-795.55	1,060.36	1.06	1.05	-0.10
11,232.00	89.78	179.97	10,128.54	-1,154.45	-796.46	1,153.33	2.03	1.57	-1.28
11,324.00	90.17	179.13	10,128.58	-1,246.44	-795.74	1,245.33	1.01	0.42	-0.91
11,416.00	89.16	178.42	10,129.12	-1,338.42	-793.77	1,337.31	1.34	-1.10	-0.77
11,511.00	90.31	177.52	10,129.56	-1,433.36	-790.41	1,432.25	1.54	1.21	-0.95
11,605.00	91.01	177.03	10,128.47	-1,527.24	-785.94	1,526.14	0.91	0.74	-0.52
11,700.00	91.74	176.39	10,126.19	-1,622.06	-780.49	1,620.97	1.02	0.77	-0.67
11,794.00	92.11	177.35	10,123.04	-1,715.86	-775.36	1,714.78	1.09	0.39	1.02
11,889.00	91.85	179.81	10,119.75	-1,810.77	-773.01	1,809.69	2.60	-0.27	2.59
11,983.00	90.79	179.28	10,117.59	-1,904.74	-772.26	1,903.66	1.26	-1.13	-0.56
12,078.00	91.01	180.06	10,116.10	-1,999.73	-771.71	1,998.65	0.85	0.23	0.82
12,172.00	90.14	181.62	10,115.15	-2,093.71	-773.09	2,092.63	1.90	-0.93	1.66
12,267.00	89.24	182.68	10,115.67	-2,188.64	-776.66	2,187.55	1.46	-0.95	1.12
12,362.00	87.28	181.99	10,118.55	-2,283.51	-780.53	2,282.42	2.19	-2.06	-0.73
12,456.00	88.60	180.66	10,121.93	-2,377.42	-782.70	2,376.32	1.99	1.40	-1.41
12,537.00	89.24	180.34	10,123.46	-2,458.40	-783.40	2,457.30	0.88	0.79	-0.40
12,632.00	88.26	180.64	10,125.53	-2,553.37	-784.22	2,552.28	1.08	-1.03	0.32
12,726.00	90.59	178.83	10,126.47	-2,647.36	-783.78	2,646.26	3.14	2.48	-1.93
12,821.00	90.36	179.56	10,125.69	-2,742.34	-782.45	2,741.25	0.81	-0.24	0.77
12,916.00	90.90	180.48	10,124.64	-2,837.34	-782.48	2,836.24	1.12	0.57	0.97
13,010.00	90.62	180.34	10,123.39	-2,931.33	-783.15	2,930.23	0.33	-0.30	-0.15
13,105.00	90.79	180.87	10,122.22	-3,026.31	-784.15	3,025.22	0.59	0.18	0.56
13,200.00	89.44	180.07	10,122.03	-3,121.31	-784.93	3,120.21	1.65	-1.42	-0.84
13,294.00	88.91	180.16	10,123.39	-3,215.30	-785.12	3,214.20	0.57	-0.56	0.10
13,389.00	88.37	179.92	10,125.64	-3,310.27	-785.19	3,309.17	0.62	-0.57	-0.25



Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandril Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandril Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandril Star)	Database:	USA Compass

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)
13,484.00	87.47	180.21	10,129.09	-3,405.21	-785.30	3,404.11	1.00	-0.95	0.31
13,579.00	86.86	180.15	10,133.79	-3,500.09	-785.59	3,498.99	0.65	-0.64	-0.06
13,673.00	89.61	179.48	10,136.68	-3,594.03	-785.29	3,592.93	3.01	2.93	-0.71
13,768.00	89.97	178.97	10,137.03	-3,689.02	-784.01	3,687.93	0.66	0.38	-0.54
13,863.00	91.60	179.23	10,135.73	-3,784.00	-782.51	3,782.90	1.74	1.72	0.27
13,958.00	91.80	178.70	10,132.91	-3,878.94	-780.80	3,877.85	0.60	0.21	-0.56
14,052.00	91.57	178.67	10,130.15	-3,972.88	-778.64	3,971.79	0.25	-0.24	-0.03
14,147.00	92.19	178.35	10,127.03	-4,067.79	-776.17	4,066.71	0.73	0.65	-0.34
14,242.00	92.39	178.73	10,123.24	-4,162.69	-773.75	4,161.60	0.45	0.21	0.40
14,337.00	92.50	179.92	10,119.18	-4,257.59	-772.64	4,256.51	1.26	0.12	1.25
14,431.00	91.49	179.99	10,115.91	-4,351.53	-772.56	4,350.45	1.08	-1.07	0.07
14,526.00	89.97	179.95	10,114.70	-4,446.52	-772.51	4,445.44	1.60	-1.60	-0.04
14,621.00	88.15	179.49	10,116.26	-4,541.50	-772.05	4,540.42	1.98	-1.92	-0.48
14,715.00	87.78	180.77	10,119.60	-4,635.44	-772.26	4,634.36	1.42	-0.39	1.36
14,810.00	87.39	180.93	10,123.60	-4,730.35	-773.67	4,729.26	0.44	-0.41	0.17
14,905.00	89.80	180.39	10,125.93	-4,825.31	-774.76	4,824.22	2.60	2.54	-0.57
14,999.00	89.47	180.01	10,126.53	-4,919.30	-775.09	4,918.22	0.54	-0.35	-0.40
15,094.00	91.23	178.35	10,125.95	-5,014.28	-773.73	5,013.20	2.55	1.85	-1.75
15,188.00	91.35	178.20	10,123.83	-5,108.22	-770.90	5,107.14	0.20	0.13	-0.16
15,283.00	90.65	177.13	10,122.17	-5,203.12	-767.03	5,202.05	1.35	-0.74	-1.13
15,377.00	89.58	176.71	10,121.98	-5,296.99	-761.98	5,295.92	1.22	-1.14	-0.45
15,472.00	88.68	175.92	10,123.43	-5,391.78	-755.88	5,390.72	1.26	-0.95	-0.83
15,567.00	89.41	178.00	10,125.01	-5,486.62	-750.84	5,485.57	2.32	0.77	2.19
15,661.00	90.95	182.46	10,124.72	-5,580.60	-751.22	5,579.54	5.02	1.64	4.74
15,756.00	90.73	182.92	10,123.32	-5,675.48	-755.68	5,674.42	0.54	-0.23	0.48
15,851.00	90.20	183.44	10,122.55	-5,770.33	-760.95	5,769.26	0.78	-0.56	0.55
15,945.00	91.79	182.20	10,120.92	-5,864.20	-765.57	5,863.12	2.14	1.69	-1.32
16,040.00	91.62	182.29	10,118.09	-5,959.08	-769.29	5,958.00	0.20	-0.18	0.09
16,135.00	91.57	183.14	10,115.45	-6,053.94	-773.79	6,052.85	0.90	-0.05	0.89
16,229.00	92.29	184.20	10,112.28	-6,147.69	-779.80	6,146.60	1.36	0.77	1.13
16,324.00	91.82	183.83	10,108.88	-6,242.40	-786.45	6,241.29	0.63	-0.49	-0.39
16,419.00	90.31	182.22	10,107.11	-6,337.24	-791.46	6,336.13	2.32	-1.59	-1.69
16,514.00	89.66	183.28	10,107.13	-6,432.13	-796.02	6,431.01	1.31	-0.68	1.12
16,608.00	90.20	180.27	10,107.25	-6,526.07	-798.93	6,524.95	3.25	0.57	-3.20
16,703.00	91.85	179.91	10,105.55	-6,621.05	-799.08	6,619.93	1.78	1.74	-0.38
16,798.00	90.90	179.20	10,103.27	-6,716.02	-798.34	6,714.90	1.25	-1.00	-0.75
16,892.00	90.64	180.36	10,102.01	-6,810.01	-797.98	6,808.89	1.26	-0.28	1.23
16,987.00	90.53	180.59	10,101.04	-6,905.00	-798.77	6,903.88	0.27	-0.12	0.24
17,082.00	89.19	178.51	10,101.27	-6,999.99	-798.02	6,998.87	2.60	-1.41	-2.19
17,176.00	88.29	177.60	10,103.34	-7,093.91	-794.83	7,092.80	1.36	-0.96	-0.97
17,271.00	88.10	177.11	10,106.33	-7,188.77	-790.45	7,187.65	0.55	-0.20	-0.52
17,365.00	87.56	177.19	10,109.89	-7,282.58	-785.78	7,281.48	0.58	-0.57	0.09
17,460.00	88.15	179.47	10,113.44	-7,377.47	-783.01	7,376.37	2.48	0.62	2.40



Phoenix Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandril Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandril Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandril Star)	Database:	USA Compass

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)
17,555.00	87.23	179.67	10,117.27	-7,472.39	-782.30	7,471.29	0.99	-0.97	0.21
17,649.00	88.57	179.82	10,120.72	-7,566.32	-781.88	7,565.22	1.43	1.43	0.16
17,744.00	88.71	179.44	10,122.97	-7,661.29	-781.27	7,660.19	0.43	0.15	-0.40
17,839.00	89.38	179.48	10,124.56	-7,756.27	-780.38	7,755.18	0.71	0.71	0.04
17,934.00	89.58	179.54	10,125.42	-7,851.27	-779.56	7,850.17	0.22	0.21	0.06
18,028.00	89.33	179.29	10,126.31	-7,945.26	-778.60	7,944.16	0.38	-0.27	-0.27
18,123.00	88.26	179.80	10,128.31	-8,040.23	-777.85	8,039.14	1.25	-1.13	0.54
18,218.00	87.93	179.59	10,131.47	-8,135.18	-777.34	8,134.08	0.41	-0.35	-0.22
18,312.00	90.36	180.31	10,132.87	-8,229.16	-777.26	8,228.07	2.70	2.59	0.77
18,407.00	90.45	180.61	10,132.20	-8,324.15	-778.02	8,323.06	0.33	0.09	0.32
18,502.00	90.67	180.65	10,131.27	-8,419.14	-779.07	8,418.05	0.24	0.23	0.04
18,597.00	89.92	180.28	10,130.78	-8,514.14	-779.84	8,513.04	0.88	-0.79	-0.39
18,691.00	88.80	179.68	10,131.83	-8,608.13	-779.81	8,607.03	1.35	-1.19	-0.64
18,786.00	87.71	179.27	10,134.72	-8,703.08	-778.94	8,701.98	1.23	-1.15	-0.43
18,881.00	89.72	178.35	10,136.85	-8,798.03	-776.96	8,796.94	2.33	2.12	-0.97
18,976.00	89.64	178.13	10,137.39	-8,892.98	-774.05	8,891.89	0.25	-0.08	-0.23
19,070.00	90.62	178.77	10,137.17	-8,986.95	-771.50	8,985.86	1.25	1.04	0.68
19,165.00	89.92	177.97	10,136.72	-9,081.91	-768.80	9,080.82	1.12	-0.74	-0.84
19,260.00	92.35	178.61	10,134.84	-9,176.84	-765.97	9,175.76	2.65	2.56	0.67
19,355.00	91.99	178.17	10,131.25	-9,271.73	-763.30	9,270.66	0.60	-0.38	-0.46
19,449.00	91.96	177.81	10,128.01	-9,365.62	-760.01	9,364.55	0.38	-0.03	-0.38
19,544.00	91.90	177.15	10,124.81	-9,460.47	-755.83	9,459.41	0.70	-0.06	-0.69
19,639.00	91.34	176.91	10,122.12	-9,555.31	-750.91	9,554.25	0.64	-0.59	-0.25
19,733.00	90.87	179.18	10,120.31	-9,649.23	-747.70	9,648.17	2.47	-0.50	2.41
19,828.00	91.82	179.27	10,118.08	-9,744.19	-746.42	9,743.14	1.00	1.00	0.09
19,923.00	92.27	179.96	10,114.69	-9,839.13	-745.78	9,838.08	0.87	0.47	0.73
20,017.00	89.33	180.58	10,113.38	-9,933.11	-746.23	9,932.06	3.20	-3.13	0.66
20,112.00	89.80	180.73	10,114.10	-10,028.10	-747.31	10,027.05	0.52	0.49	0.16
20,207.00	89.94	181.10	10,114.31	-10,123.09	-748.83	10,122.03	0.42	0.15	0.39
20,235.00	90.14	181.84	10,114.29	-10,151.08	-749.55	10,150.02	2.74	0.71	2.64
Fiinal Phoenix MWD Survey									
20,296.00	90.14	181.84	10,114.14	-10,212.04	-751.51	10,210.99	0.00	0.00	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
188.00	188.00	1.02	0.57	First Phoenix MWD Survey
20,235.00	10,114.29	-10,151.08	-749.55	Fiinal Phoenix MWD Survey
20,296.00	10,114.14	-10,212.04	-751.51	Projection to TD



Phoenix
Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 2BS Com 4H
Project:	Lea County, NM (Nad 83 NME)	TVD Reference:	RKB @ 3591.50usft (Scandrill Star)
Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandrill Star)
Well:	2BS Com 4H	North Reference:	Grid
Wellbore:	OH / 69700	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandrill Star)	Database:	USA Compass

Intent ☐ As Drilled ☒

API # 30-025-45406		
Operator Name: EARTHSTONE OPERATING, LLC	Property Name: JADE 34-3 FED 2BS COM	Well Number 4H

Kick Off Point (KOP)

UL D	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	19S	33E		53	NORTH	603	WEST	LEA
Latitude 32.6238247					Longitude 103.6576470				NAD 83

First Take Point (FTP)

UL D	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	34	19S	33E		512	NORTH	542	WEST	LEA
Latitude 32.6225617					Longitude 103.6578476				NAD 83

Last Take Point (LTP)

UL M	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	3	20S	33E		417	SOUTH	526	WEST	LEA
Latitude 32.5960439					Longitude 103.6580596				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☒Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. NMNM97897

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator EARTHSTONE OPERATING LLC

3a. Address 1400 WOODLOCH FOREST DRIVE SUITE 300, 3b. Phone No. (include area code)
(281) 298-42404. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 34/T19S/R33E/NMP

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. JADE 34-3 FED COM 2BS/4H

9. API Well No. 3002545406

10. Field and Pool or Exploratory Area
TEAS/BONE SPRING11. Country or Parish, State
LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☒ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

10/18/2022-TOE PREP; RIH; SET CBP

-RUN CBL W/EST TOC@ SURFACE

-PRESSURE TEST 5.5" PROD CSG TO 9500 PSI; 30 MIN; GOOD TEST

-FRACTURE STAGE 1 @ 19,980' - 19,872' MD

10/26-11/07/2022-PERFORATE STAGE 2 -62 @ 19,854' - 10,315' MD

-FRACTURE ALL STAGES W/1476 BBLS HCI + 533,228 BBLS SW W/15,923,038# 100 MESH + 8,589,872# 40/70 SAND

11/18-11/19/2022-DRILL OUT & CIRCULATE CLEAN

11/26/2022-TURN WELL OVER TO PRODUCTION

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
JENNIFER ELROD / Ph: (817) 953-3728

Title Senior Regulatory Technician

Signature

Date 01/04/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

JONATHON W SHEPARD / Ph: (575) 234-5972 / Accepted

Title Petroleum Engineer

Date 01/27/2023

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: LOT D / 150 FNL / 1195 FWL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623555 / LONG: -103.65572 (TVD: 0 feet, MD: 0 feet)

PPP: LOT D / 330 FNL / 528 FWL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623062 / LONG: -103.657887 (TVD: 9926 feet, MD: 10028 feet)

BHL: LOT M / 330 FSL / 528 FWL / TWSP: 20S / RANGE: 33E / SECTION: 3 / LAT: 32.595805 / LONG: -103.658049 (TVD: 10140 feet, MD: 20401 feet)

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. 30-025-45406											
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 JADE 34 3 2BS FEDERAL COM					
						6. Well Number: 4H					
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 TEAS; BONE SPRING					
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County	
Surface:	D	34	19S	33E		270	NORTH	1285	WEST	LEA	
BH:	M	3	20S	33E		100	SOUTH	521	WEST	LEA	
13. Date Spudded 05/14/2022	14. Date T.D. Reached 08/05/2022		15. Date Rig Released 08/07/2022		16. Date Completed (Ready to Produce) 11/26/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3564			
18. Total Measured Depth of Well 20296'			19. Plug Back Measured Depth 20,293		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run RBL			
22. Producing Interval(s), of this completion - Top, Bottom, Name TEAS; BONE SPRING 10315' - 19980'											
23. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
20"		94# J-55		1328		26"		2115 sks Class C			
13-3/8"		54.5# J55		3239		17-1/2"		2015 sks Class C			
9-5/8"		40# J55 & HCL-80		5433		12-1/4"		1900 sks Class C			
5-1/2"		20# P110		20295		7-7/8"		3730 sks Class H			
24. LINER RECORD										25. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET				
26. Perforation record (interval, size, and number) 10,315 - 19,980 ; size 0.42; 34184 shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
					10,315 - 19,980		FRACTURE ALL STAGES W/1476 BBLS HCl + 533,228				
							BBLS SW W/15,923,038# 100 MESH + 8,589,872# 40/70				
							SAND				
28. PRODUCTION											
Date First Production 12/09/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD					
Date of Test 03/08/2023	Hours Tested 24	Choke Size 64/64	Prod'n For Test Period	Oil - Bbl 1121	Gas - MCF 696	Water - Bbl. 3360	Gas - Oil Ratio 1172				
Flow Tubing Press.	Casing Pressure 220	Calculated 24-Hour Rate	Oil - Bbl. 1121	Gas - MCF 696	Water - Bbl. 3360	Oil Gravity - API - (Corr.)					
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 <i>Deborah Marberry</i>			Printed Name Deborah Marberry			Title Sr. Reg. Tech		Date 05/16/2023			
E-mail Address dmarberry@earthstoneenergy.com											

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.

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon 5,066	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 3112	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3,188	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 8,067	T. Todilto	
T. Abo	T. 3,419 Capitan Reef	T. Entrada	
T. Wolfcamp	T. 6,377 Brushy Canyon	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

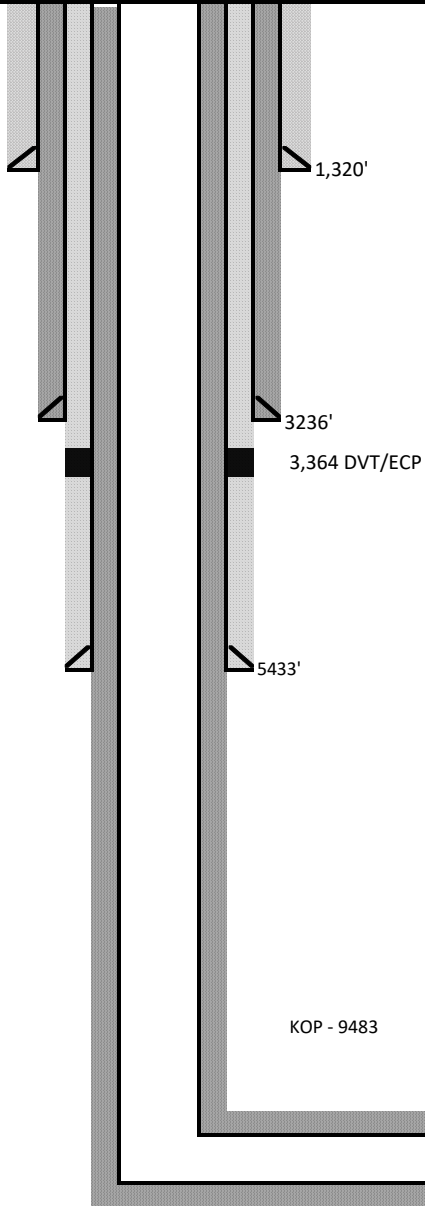
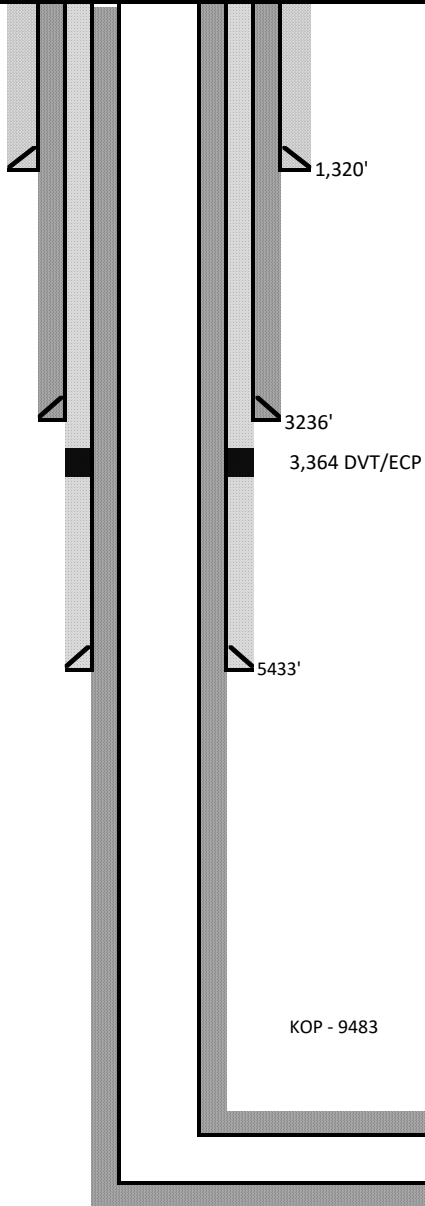
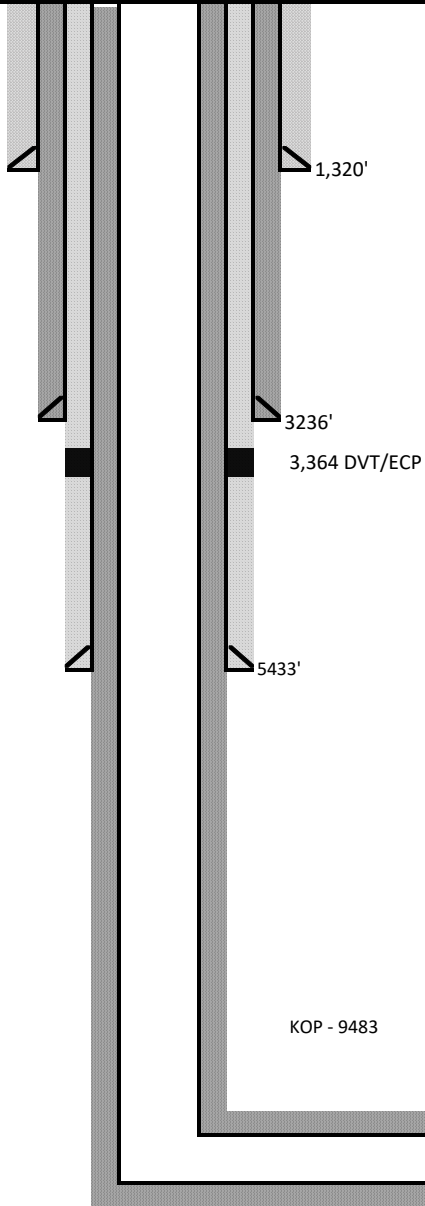
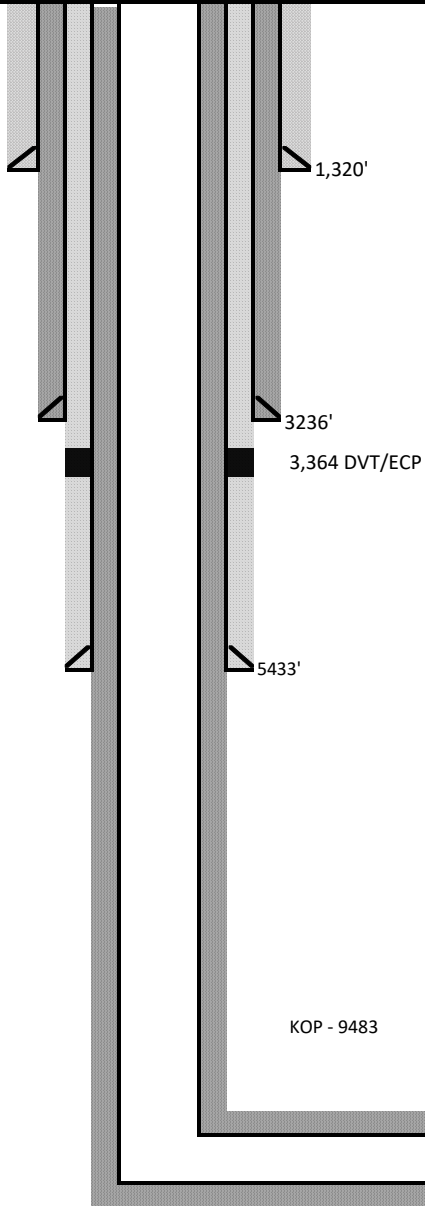
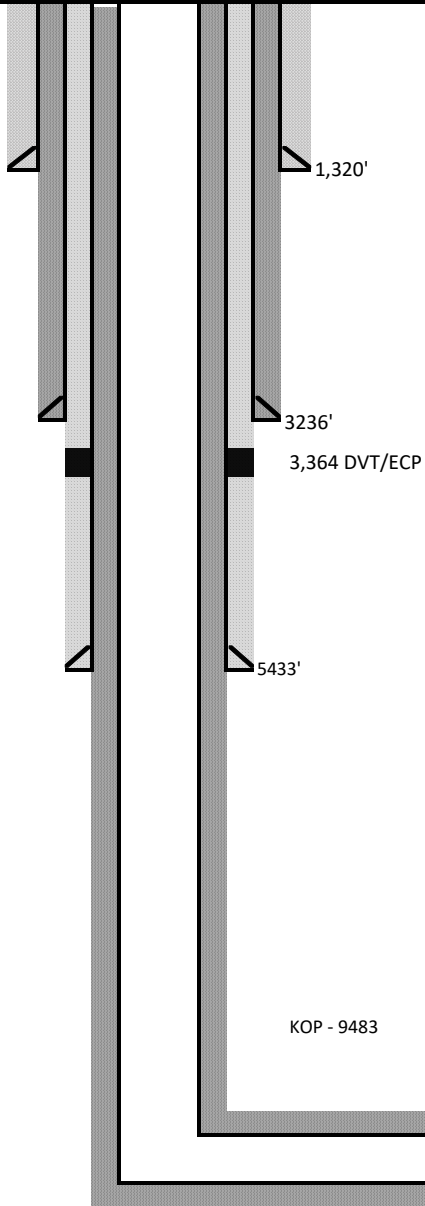
No. 3, from.....to.....

No. 4, from.....to.....

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

No. 3. from to feet

From	To	Thickness In Feet	Lithology

MD	Geological Tops	Wellbore Sketch		Hole Size	Casing	Drilling Fluids	Cement	OH Evaluation/Logs
1,000'	1,017 Rustler		1,320'	26"	Surface 20" 94.0# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 38 - 40 Vis 8 - 10 PV 8 - 10 YP	1315 SKS CLASS 1.84 YIELD TAIL 800 SKS CLASS C 1.33 YIELD	NA
2,000'	1,401 Salado		3,236'	17-1/2"	Intermediate 13-3/8" 54.5# J55 BTC	Saturated Brine 10.0 - 10.2 ppg 28 - 32 Vis 1 - 3 PV 1 - 3 YP	1685 SKS CLASS C 1.84 YIELD TAIL 330 SKS CLASS C 1.33 YIELD	NA
3,000'	3,112 Yates		3,364 DVT/ECP	12-1/4"	Intermediate 9-5/8" 40# J55 LTC & 9-5/8" HCL-80	WBM 9.0 - 9.5 ppg 28 - 32 Vis 15 - 20 PV 8 - 12 YP	FIRST STAGE 1100 SKS CLASS C 2.8 YIELD TAIL 180 SKS CLASS C 1.34 YIELD SECOND STAGE 520 SKS CLASS C 2.8 YIELD TAIL 100 SKS CLASS C 1.34 YIELD	NA
4,000'	3,188 Seven Rivers		5,433'	7-7/8" to KOP & Curve 7-7/8" Lateral	Production 5-1/2" 20# P110 BTC	Curve & Lateral OBM 9.3 - 9.8 ppg 15 - 20 PV 8 - 12 YP	890 SKS CLASS H 3.05 YIELD TAIL 2840 SKS CLASS H 1.27 YIELD	GR from Under Intermediate to TD
5,000'	3,419 Capitan Reef							
7,000'	5,066 Cherry Canyon	KOP - 9483						
8,000'	6,377 Brushy Canyon							
9,000'	8,067 Bone Spring SS							
10,000'								
11,000'								

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

Action 217313

ACKNOWLEDGMENTS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 217313
	Action Type: [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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CONDITIONS

Action 217313

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CONDITIONS

Created By	Condition	Condition Date
smcgrath	File 3160-4 within 10 days of BLM Approval.	12/19/2024