

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 - 12/07/2022
⁴ API Number 30 - 0 25-45408	⁵ Pool Name TEAS; BONE SPRING	⁶ Pool Code 58960
⁷ Property Code 333148	⁸ Property Name JADE 34-3 FED COM 1BS	⁹ Well Number 6H

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 1255	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 103	North/South line SOUTH	Feet from the 537	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 05/19/2022	²² Ready Date 12/07/2022	²³ TD 19411	²³ PBTB 19,407' MD	²⁵ Perforations 19,380'-9,525'	²⁶ DHC, MC R-21681-A Compulsory Pool
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
26"		20", 94#, J-55		1,332'	
17.5"		13.375", 54.5#, J-55		3,230'	
12.25"		9.625", 40# HCL-80 & J-55		5,420'	
7.875"		5.5", 20#, HCP-110		19,407'	

V. Well Test Data

³¹ Date New Oil 12/08/22	³² Gas Delivery Date 12/08/22	³³ Test Date 04/16/23	³⁴ Test Length 24	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 220
³⁷ Choke Size 60/60	³⁸ Oil 1338	³⁹ Water 2940	⁴⁰ Gas 1417		⁴¹ Test Method 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: <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: 05/10/2023		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 30-025-45408	² Pool Code 58960	³ Pool Name TEAS; BONE SPRING
⁴ Property Code 333148	⁵ Property Name JADE 34 3 FED 1BS COM	⁶ Well Number 6H
⁷ OGRID No. 331165	⁸ Operator Name EARTHSTONE OPERATING, LLC	⁹ Elevation 3564

¹⁰ Surface Location

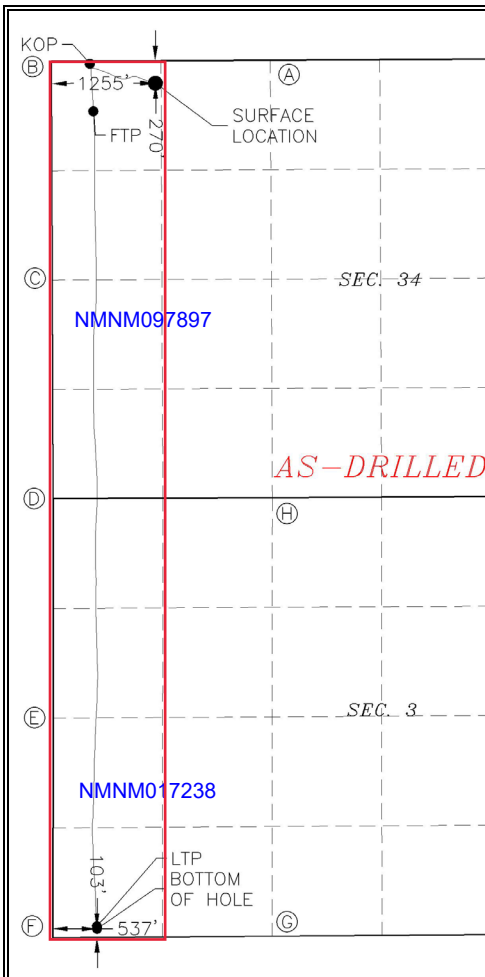
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	19 S	33 E		270	NORTH	1255	WEST	LEA

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		103	SOUTH	537	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 FED 1BS COM 6H EL. = 3564'	
GEODETIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION N. = 591062.70 E. = 708836.65 LAT. = 32.6231029°N LONG. = 103.6550348°W	GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION N. = 591125.59 E. = 750016.78 LAT. = 32.6232252°N LONG. = 103.6555303°W
KICK OFF POINT 30' FNL, 464' FWL NAD 27 NMSP EAST N. = 591298.69 E. = 708044.70 LAT. = 32.6237654°N LONG. = 103.6576020°W	KICK OFF POINT 30' FNL, 464' FWL NAD 83 NMSP EAST N. = 591361.58 E. = 749224.82 LAT. = 32.6236876°N LONG. = 103.6580976°W
FIRST TAKE POINT 605' FNL, 504' FWL NAD 27 NMSP EAST N. = 590723.79 E. = 708086.83 LAT. = 32.6221845°N LONG. = 103.6574771°W	FIRST TAKE POINT 605' FNL, 504' FWL NAD 83 NMSP EAST N. = 590786.67 E. = 749266.96 LAT. = 32.6223067°N LONG. = 103.6579726°W
LAST TAKE POINT 134' FSL, 535' FWL NAD 27 NMSP EAST N. = 580886.43 E. = 708129.49 LAT. = 32.5951445°N LONG. = 103.6575416°W	LAST TAKE POINT 134' FSL, 535' FWL NAD 83 NMSP EAST N. = 580949.03 E. = 749309.90 LAT. = 32.5952668°N LONG. = 103.6580361°W
BOTTOM OF HOLE NAD 27 NMSP EAST N. = 580855.53 E. = 708131.57 LAT. = 32.5950595°N LONG. = 103.6575355°W	BOTTOM OF HOLE NAD 83 NMSP EAST N. = 580918.13 E. = 749311.98 LAT. = 32.5951818°N LONG. = 103.6580300°W

CORNER COORDINATES TABLE NAD 27 NMSP EAST	
A - N. = 591339.73	E. = 710220.91
B - N. = 591326.20	E. = 707580.94
C - N. = 58686.22	E. = 707590.70
D - N. = 586047.30	E. = 707601.88
E - N. = 583397.98	E. = 707598.13
F - N. = 580748.66	E. = 707594.36
G - N. = 580767.81	E. = 710242.17
H - N. = 586059.94	E. = 710246.22

CORNER COORDINATES TABLE NAD 83 NMSP EAST	
A - N. = 591402.65	E. = 751401.05
B - N. = 591399.08	E. = 748761.05
C - N. = 588749.03	E. = 748770.88
D - N. = 586110.04	E. = 748782.14
E - N. = 583460.64	E. = 748778.46
F - N. = 580811.25	E. = 748774.77
G - N. = 580830.42	E. = 751422.60
H - N. = 586122.70	E. = 751426.51

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.

Jennifer Elrod 12/16/2022
Signature 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.

DECEMBER 12, 2022

Date of Survey

Signature and Seal of Professional Surveyor:

Certificate Number: 12797
SURVEY NO. 9549



Earthstone Operating, LLC

Lea County, NM (Nad 83 NME)

Jade 34-3 Fed

1BS Com 6H

OH / 69699

Design: Surveys (Scandrill Star)

Standard Survey Report

28 August, 2022





Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Scandril 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	Latitude:	32° 37' 23.604476 N
From:	Map	Easting:	750,020.60 usft	Longitude:	103° 39' 19.864427 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.365 °

Well	1BS Com 6H					
Well Position	+N/-S	0.00 usft	Northing:	591,125.00 usft	Latitude:	32° 37' 23.604476 N
	+E/-W	0.00 usft	Easting:	750,020.60 usft	Longitude:	103° 39' 19.864427 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,564.00 usft

Wellbore	OH / 69699				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	6/21/2022	6.396	60.474	47,866.21092829

Design	Surveys (Scandril 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)	Direction (°)	
	0.00	0.00	0.00	179.92	

Survey Program	Date	8/28/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
188.00	19,411.00	Phoenix MWD Surveys (OH / 69699)	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	0.37	262.50	188.00	-0.08	-0.60	0.08	0.20	0.20	0.00
First Phoenix MWD Survey									
305.00	0.40	270.83	305.00	-0.12	-1.38	0.12	0.05	0.03	7.12
394.00	0.49	292.47	393.99	0.03	-2.05	-0.03	0.21	0.10	24.31
487.00	0.73	288.73	486.99	0.37	-2.98	-0.37	0.26	0.26	-4.02
579.00	0.91	285.79	578.98	0.76	-4.23	-0.76	0.20	0.20	-3.20
668.00	1.10	278.41	667.96	1.07	-5.76	-1.08	0.26	0.21	-8.29
759.00	1.25	278.88	758.95	1.35	-7.60	-1.37	0.17	0.16	0.52
848.00	1.49	280.21	847.92	1.71	-9.70	-1.72	0.27	0.27	1.49
942.00	1.43	281.15	941.89	2.15	-12.06	-2.17	0.07	-0.06	1.00



Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	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)
1,037.00	1.31	277.45	1,036.86	2.52	-14.29	-2.54	0.16	-0.13	-3.89
1,132.00	1.07	280.49	1,131.84	2.83	-16.24	-2.85	0.26	-0.25	3.20
1,226.00	1.36	283.79	1,225.82	3.25	-18.19	-3.28	0.32	0.31	3.51
1,245.00	1.27	276.77	1,244.82	3.33	-18.62	-3.36	0.97	-0.47	-36.95
1,388.00	1.52	289.50	1,387.77	4.15	-21.98	-4.18	0.28	0.17	8.90
1,483.00	1.66	296.60	1,482.74	5.19	-24.40	-5.22	0.25	0.15	7.47
1,577.00	3.03	293.89	1,576.66	6.80	-27.89	-6.84	1.46	1.46	-2.88
1,671.00	4.32	288.39	1,670.46	8.93	-33.52	-8.97	1.42	1.37	-5.85
1,765.00	4.52	287.91	1,764.18	11.18	-40.40	-11.24	0.22	0.21	-0.51
1,859.00	4.85	288.81	1,857.87	13.60	-47.69	-13.67	0.36	0.35	0.96
1,953.00	5.39	287.59	1,951.49	16.22	-55.66	-16.29	0.59	0.57	-1.30
2,047.00	6.26	284.05	2,045.01	18.80	-64.84	-18.89	1.00	0.93	-3.77
2,141.00	6.67	285.19	2,138.41	21.47	-75.08	-21.57	0.46	0.44	1.21
2,236.00	7.04	285.70	2,232.73	24.49	-86.01	-24.61	0.39	0.39	0.54
2,330.00	7.22	287.86	2,326.00	27.86	-97.18	-28.00	0.34	0.19	2.30
2,424.00	7.56	288.98	2,419.22	31.68	-108.64	-31.84	0.39	0.36	1.19
2,519.00	8.45	287.86	2,513.29	35.86	-121.20	-36.03	0.95	0.94	-1.18
2,613.00	8.84	289.24	2,606.23	40.36	-134.59	-40.54	0.47	0.41	1.47
2,708.00	8.71	292.34	2,700.12	45.50	-148.14	-45.70	0.52	-0.14	3.26
2,802.00	7.73	300.90	2,793.15	51.45	-160.14	-51.67	1.67	-1.04	9.11
2,896.00	8.11	296.99	2,886.26	57.70	-171.48	-57.94	0.70	0.40	-4.16
2,990.00	8.43	289.23	2,979.28	62.98	-183.89	-63.24	1.23	0.34	-8.26
3,084.00	8.44	289.71	3,072.26	67.58	-196.89	-67.85	0.08	0.01	0.51
3,165.00	8.51	290.27	3,152.38	71.66	-208.11	-71.95	0.13	0.09	0.69
3,235.00	8.86	289.45	3,221.58	75.25	-218.05	-75.55	0.53	0.50	-1.17
3,330.00	9.28	282.89	3,315.39	79.39	-232.42	-79.72	1.17	0.44	-6.91
3,425.00	10.02	268.49	3,409.06	80.88	-248.15	-81.23	2.65	0.78	-15.16
3,519.00	9.51	264.83	3,501.70	79.97	-264.06	-80.34	0.85	-0.54	-3.89
3,614.00	8.59	257.92	3,595.52	77.78	-278.81	-78.17	1.50	-0.97	-7.27
3,709.00	9.48	250.44	3,689.34	73.67	-293.12	-74.08	1.55	0.94	-7.87
3,803.00	10.30	250.93	3,781.94	68.34	-308.36	-68.77	0.88	0.87	0.52
3,898.00	11.30	250.17	3,875.26	62.40	-325.14	-62.86	1.06	1.05	-0.80
3,993.00	10.73	254.69	3,968.51	56.91	-342.43	-57.39	1.09	-0.60	4.76
4,087.00	10.60	258.61	4,060.89	52.89	-359.34	-53.39	0.78	-0.14	4.17
4,182.00	10.55	262.16	4,154.28	49.98	-376.53	-50.51	0.69	-0.05	3.74
4,277.00	10.63	269.91	4,247.66	48.78	-393.90	-49.33	1.50	0.08	8.16
4,371.00	10.74	276.28	4,340.04	49.72	-411.28	-50.30	1.26	0.12	6.78
4,466.00	11.03	287.64	4,433.34	53.45	-428.74	-54.05	2.27	0.31	11.96
4,561.00	11.50	296.69	4,526.52	60.46	-445.86	-61.08	1.92	0.49	9.53
4,656.00	12.00	296.11	4,619.52	69.06	-463.19	-69.70	0.54	0.53	-0.61
4,750.00	10.63	295.65	4,711.70	77.11	-479.78	-77.78	1.46	-1.46	-0.49
4,845.00	10.47	297.10	4,805.09	84.83	-495.37	-85.53	0.33	-0.17	1.53
4,939.00	11.61	296.31	4,897.35	92.92	-511.45	-93.63	1.22	1.21	-0.84



Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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Site:	Jade 34-3 Fed	MD Reference:	RKB @ 3591.50usft (Scandril Star)
Well:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	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)
5,034.00	11.28	294.52	4,990.46	101.01	-528.47	-101.75	0.51	-0.35	-1.88
5,129.00	11.20	293.89	5,083.64	108.60	-545.36	-109.36	0.15	-0.08	-0.66
5,223.00	12.03	292.68	5,175.71	116.08	-562.75	-116.86	0.92	0.88	-1.29
5,318.00	11.08	293.94	5,268.79	123.60	-580.23	-124.41	1.03	-1.00	1.33
5,357.00	11.36	293.08	5,307.04	126.63	-587.18	-127.45	0.84	0.72	-2.21
5,485.00	11.73	290.39	5,432.45	136.10	-610.98	-136.95	0.51	0.29	-2.10
5,580.00	11.24	290.47	5,525.55	142.70	-628.70	-143.58	0.52	-0.52	0.08
5,675.00	10.97	289.74	5,618.77	148.99	-645.89	-149.90	0.32	-0.28	-0.77
5,769.00	10.66	290.05	5,711.10	155.00	-662.47	-155.92	0.34	-0.33	0.33
5,864.00	10.32	288.93	5,804.51	160.77	-678.77	-161.72	0.42	-0.36	-1.18
5,959.00	9.85	288.30	5,898.04	166.08	-694.54	-167.05	0.51	-0.49	-0.66
6,053.00	9.28	286.60	5,990.74	170.77	-709.44	-171.76	0.68	-0.61	-1.81
6,148.00	7.88	283.07	6,084.67	174.43	-723.12	-175.44	1.57	-1.47	-3.72
6,243.00	7.25	281.88	6,178.84	177.14	-735.33	-178.17	0.68	-0.66	-1.25
6,337.00	6.74	281.39	6,272.14	179.45	-746.54	-180.49	0.55	-0.54	-0.52
6,432.00	6.44	277.37	6,366.52	181.23	-757.29	-182.29	0.58	-0.32	-4.23
6,527.00	6.13	276.44	6,460.95	182.49	-767.61	-183.56	0.34	-0.33	-0.98
6,622.00	5.90	277.32	6,555.42	183.68	-777.50	-184.76	0.26	-0.24	0.93
6,716.00	5.41	274.77	6,648.97	184.66	-786.71	-185.76	0.59	-0.52	-2.71
6,811.00	4.80	299.54	6,743.60	186.99	-794.63	-188.10	2.39	-0.64	26.07
6,905.00	3.47	329.67	6,837.36	191.39	-799.49	-192.50	2.66	-1.41	32.05
7,000.00	3.53	10.77	6,932.20	196.74	-800.39	-197.86	2.59	0.06	43.26
7,095.00	3.11	11.88	7,027.04	202.14	-799.31	-203.25	0.45	-0.44	1.17
7,189.00	3.23	4.44	7,120.90	207.27	-798.58	-208.39	0.46	0.13	-7.91
7,284.00	3.01	2.11	7,215.76	212.44	-798.29	-213.55	0.27	-0.23	-2.45
7,378.00	1.85	38.41	7,309.68	216.09	-797.25	-217.20	1.99	-1.23	38.62
7,473.00	1.58	42.90	7,404.63	218.25	-795.41	-219.36	0.32	-0.28	4.73
7,568.00	1.43	43.17	7,499.60	220.08	-793.71	-221.18	0.16	-0.16	0.28
7,662.00	1.41	39.52	7,593.57	221.82	-792.17	-222.93	0.10	-0.02	-3.88
7,757.00	1.32	17.36	7,688.55	223.77	-791.10	-224.87	0.56	-0.09	-23.33
7,851.00	1.18	6.84	7,782.52	225.76	-790.66	-226.87	0.29	-0.15	-11.19
7,946.00	0.83	348.31	7,877.51	227.41	-790.68	-228.51	0.50	-0.37	-19.51
8,041.00	0.77	350.90	7,972.50	228.71	-790.92	-229.82	0.07	-0.06	2.73
8,135.00	0.96	358.11	8,066.49	230.12	-791.05	-231.23	0.23	0.20	7.67
8,230.00	1.35	338.08	8,161.47	231.96	-791.49	-233.06	0.59	0.41	-21.08
8,324.00	1.14	346.33	8,255.45	233.89	-792.13	-235.00	0.29	-0.22	8.78
8,419.00	0.59	339.93	8,350.44	235.27	-792.52	-236.38	0.59	-0.58	-6.74
8,513.00	0.30	44.14	8,444.43	235.90	-792.51	-237.01	0.57	-0.31	68.31
8,559.00	0.76	80.86	8,490.43	236.04	-792.13	-237.14	1.19	1.00	79.83
8,660.00	7.24	161.95	8,591.16	230.08	-789.49	-231.19	7.09	6.42	80.29
8,754.00	22.36	171.36	8,681.78	206.64	-784.94	-207.73	16.24	16.09	10.01
8,849.00	28.69	174.65	8,767.47	166.02	-780.10	-167.11	6.83	6.66	3.46
8,944.00	39.77	176.46	8,845.90	112.82	-776.08	-113.91	11.71	11.66	1.91



Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	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)
9,039.00	40.55	177.58	8,918.50	51.64	-772.90	-52.72	1.12	0.82	1.18
9,133.00	45.13	174.98	8,987.41	-12.11	-768.69	11.03	5.22	4.87	-2.77
9,228.00	49.80	176.39	9,051.62	-81.89	-763.46	80.82	5.04	4.92	1.48
9,323.00	56.49	177.17	9,108.57	-157.74	-759.22	156.68	7.07	7.04	0.82
9,417.00	64.36	177.44	9,154.93	-239.34	-755.38	238.29	8.38	8.37	0.29
9,500.00	69.38	176.62	9,187.52	-315.54	-751.42	314.49	6.12	6.05	-0.99
9,545.00	70.69	176.33	9,202.89	-357.75	-748.82	356.71	2.97	2.91	-0.64
9,639.00	77.14	176.45	9,228.92	-447.85	-743.14	446.81	6.86	6.86	0.13
9,734.00	85.08	178.23	9,243.59	-541.53	-738.80	540.50	8.56	8.36	1.87
9,829.00	89.16	179.30	9,248.36	-636.36	-736.76	635.33	4.44	4.29	1.13
9,924.00	90.11	179.73	9,248.97	-731.36	-735.95	730.33	1.10	1.00	0.45
10,018.00	90.22	180.24	9,248.69	-825.36	-735.93	824.33	0.56	0.12	0.54
10,113.00	89.27	180.09	9,249.12	-920.35	-736.20	919.33	1.01	-1.00	-0.16
10,208.00	88.68	179.67	9,250.82	-1,015.34	-736.00	1,014.31	0.76	-0.62	-0.44
10,303.00	89.66	180.20	9,252.19	-1,110.33	-735.89	1,109.30	1.17	1.03	0.56
10,398.00	89.58	180.56	9,252.82	-1,205.32	-736.52	1,204.29	0.39	-0.08	0.38
10,493.00	88.12	180.18	9,254.73	-1,300.30	-737.14	1,299.27	1.59	-1.54	-0.40
10,587.00	86.52	179.09	9,259.13	-1,394.19	-736.54	1,393.16	2.06	-1.70	-1.16
10,682.00	89.30	178.58	9,262.59	-1,489.10	-734.61	1,488.07	2.98	2.93	-0.54
10,776.00	90.76	178.45	9,262.54	-1,583.06	-732.17	1,582.04	1.56	1.55	-0.14
10,871.00	91.04	178.25	9,261.05	-1,678.01	-729.44	1,676.99	0.36	0.29	-0.21
10,966.00	90.11	178.25	9,260.09	-1,772.96	-726.54	1,771.95	0.98	-0.98	0.00
11,058.00	91.01	179.03	9,259.20	-1,864.93	-724.35	1,863.92	1.29	0.98	0.85
11,150.00	88.93	178.49	9,259.24	-1,956.90	-722.36	1,955.89	2.34	-2.26	-0.59
11,243.00	90.59	178.44	9,259.63	-2,049.86	-719.87	2,048.86	1.79	1.78	-0.05
11,335.00	93.57	179.76	9,256.29	-2,141.78	-718.43	2,140.78	3.54	3.24	1.43
11,427.00	90.81	178.65	9,252.78	-2,233.69	-717.15	2,232.69	3.23	-3.00	-1.21
11,522.00	91.26	180.23	9,251.06	-2,328.67	-716.22	2,327.67	1.73	0.47	1.66
11,616.00	90.95	180.70	9,249.25	-2,422.65	-716.99	2,421.65	0.60	-0.33	0.50
11,711.00	88.91	179.63	9,249.37	-2,517.64	-717.26	2,516.64	2.42	-2.15	-1.13
11,805.00	90.62	180.81	9,249.75	-2,611.64	-717.62	2,610.63	2.21	1.82	1.26
11,900.00	90.45	183.23	9,248.86	-2,706.57	-720.97	2,705.56	2.55	-0.18	2.55
11,994.00	90.51	184.37	9,248.08	-2,800.35	-727.20	2,799.34	1.21	0.06	1.21
12,089.00	89.94	185.75	9,247.70	-2,894.98	-735.58	2,893.95	1.57	-0.60	1.45
12,183.00	91.04	183.64	9,246.90	-2,988.66	-743.27	2,987.61	2.53	1.17	-2.24
12,278.00	89.86	181.14	9,246.15	-3,083.56	-747.23	3,082.51	2.91	-1.24	-2.63
12,373.00	89.30	180.61	9,246.85	-3,178.55	-748.68	3,177.50	0.81	-0.59	-0.56
12,467.00	88.34	180.06	9,248.79	-3,272.52	-749.23	3,271.47	1.18	-1.02	-0.59
12,562.00	88.37	180.11	9,251.51	-3,367.48	-749.37	3,366.43	0.06	0.03	0.05
12,657.00	87.70	179.80	9,254.77	-3,462.43	-749.30	3,461.38	0.78	-0.71	-0.33
12,751.00	89.35	180.16	9,257.19	-3,556.39	-749.26	3,555.34	1.80	1.76	0.38
12,846.00	89.72	180.31	9,257.96	-3,651.39	-749.65	3,650.34	0.42	0.39	0.16
12,940.00	90.62	180.24	9,257.68	-3,745.39	-750.11	3,744.34	0.96	0.96	-0.07
13,035.00	88.68	179.58	9,258.26	-3,840.38	-749.96	3,839.33	2.16	-2.04	-0.69



Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	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)
13,130.00	90.51	179.26	9,258.93	-3,935.37	-748.99	3,934.32	1.96	1.93	-0.34
13,224.00	90.56	178.14	9,258.06	-4,029.34	-746.86	4,028.29	1.19	0.05	-1.19
13,319.00	90.48	177.35	9,257.19	-4,124.26	-743.12	4,123.22	0.84	-0.08	-0.83
13,414.00	89.07	176.63	9,257.57	-4,219.13	-738.14	4,218.09	1.67	-1.48	-0.76
13,509.00	88.68	175.34	9,259.43	-4,313.87	-731.49	4,312.85	1.42	-0.41	-1.36
13,603.00	90.81	177.14	9,259.85	-4,407.66	-725.32	4,406.64	2.97	2.27	1.91
13,698.00	92.73	178.32	9,256.92	-4,502.53	-721.56	4,501.52	2.37	2.02	1.24
13,793.00	92.08	177.37	9,252.93	-4,597.38	-717.99	4,596.37	1.21	-0.68	-1.00
13,888.00	91.21	176.12	9,250.20	-4,692.19	-712.60	4,691.19	1.60	-0.92	-1.32
13,982.00	92.44	178.66	9,247.21	-4,786.03	-708.32	4,785.04	3.00	1.31	2.70
14,077.00	89.52	180.12	9,245.58	-4,881.00	-707.31	4,880.01	3.44	-3.07	1.54
14,172.00	90.76	180.96	9,245.35	-4,975.99	-708.21	4,975.00	1.58	1.31	0.88
14,266.00	89.83	179.72	9,244.87	-5,069.99	-708.76	5,068.99	1.65	-0.99	-1.32
14,361.00	91.40	182.62	9,243.85	-5,164.95	-710.70	5,163.95	3.47	1.65	3.05
14,456.00	88.43	183.07	9,243.99	-5,259.82	-715.42	5,258.82	3.16	-3.13	0.47
14,551.00	87.73	182.49	9,247.17	-5,354.65	-720.02	5,353.64	0.96	-0.74	-0.61
14,645.00	89.69	182.29	9,249.29	-5,448.54	-723.94	5,447.53	2.10	2.09	-0.21
14,740.00	89.61	181.14	9,249.87	-5,543.50	-726.78	5,542.48	1.21	-0.08	-1.21
14,835.00	89.35	179.84	9,250.73	-5,638.49	-727.60	5,637.47	1.40	-0.27	-1.37
14,929.00	90.81	179.39	9,250.60	-5,732.48	-726.96	5,731.46	1.63	1.55	-0.48
15,024.00	90.56	178.40	9,249.46	-5,827.46	-725.13	5,826.44	1.07	-0.26	-1.04
15,118.00	91.01	177.22	9,248.18	-5,921.38	-721.54	5,920.36	1.34	0.48	-1.26
15,213.00	91.80	178.70	9,245.85	-6,016.29	-718.16	6,015.28	1.77	0.83	1.56
15,308.00	90.65	182.20	9,243.81	-6,111.24	-718.91	6,110.23	3.88	-1.21	3.68
15,403.00	90.90	180.67	9,242.53	-6,206.20	-721.29	6,205.19	1.63	0.26	-1.61
15,497.00	90.14	179.62	9,241.68	-6,300.20	-721.52	6,299.18	1.38	-0.81	-1.12
15,592.00	90.42	178.84	9,241.21	-6,395.19	-720.25	6,394.17	0.87	0.29	-0.82
15,687.00	91.97	178.31	9,239.23	-6,490.13	-717.89	6,489.12	1.72	1.63	-0.56
15,781.00	88.01	178.92	9,239.25	-6,584.09	-715.61	6,583.08	4.26	-4.21	0.65
15,876.00	88.37	178.57	9,242.25	-6,679.02	-713.53	6,678.01	0.53	0.38	-0.37
15,971.00	88.82	178.49	9,244.58	-6,773.96	-711.10	6,772.96	0.48	0.47	-0.08
16,065.00	89.30	178.01	9,246.12	-6,867.90	-708.23	6,866.90	0.72	0.51	-0.51
16,160.00	89.38	177.09	9,247.21	-6,962.80	-704.17	6,961.81	0.97	0.08	-0.97
16,255.00	88.88	177.34	9,248.66	-7,057.68	-699.55	7,056.70	0.59	-0.53	0.26
16,349.00	86.18	182.10	9,252.71	-7,151.56	-699.09	7,150.57	5.82	-2.87	5.06
16,444.00	85.87	181.33	9,259.29	-7,246.29	-701.92	7,245.30	0.87	-0.33	-0.81
16,539.00	88.20	181.87	9,264.21	-7,341.11	-704.57	7,340.12	2.52	2.45	0.57
16,633.00	90.28	183.09	9,265.46	-7,435.01	-708.64	7,434.01	2.57	2.21	1.30
16,728.00	90.73	182.73	9,264.62	-7,529.88	-713.46	7,528.88	0.61	0.47	-0.38
16,823.00	90.95	182.42	9,263.23	-7,624.78	-717.73	7,623.77	0.40	0.23	-0.33
16,917.00	90.84	182.29	9,261.76	-7,718.69	-721.59	7,717.67	0.18	-0.12	-0.14
17,012.00	90.98	182.38	9,260.25	-7,813.60	-725.46	7,812.58	0.18	0.15	0.09
17,106.00	91.09	182.18	9,258.55	-7,907.51	-729.20	7,906.48	0.24	0.12	-0.21



Survey Report



Company:	Earthstone Operating, LLC	Local Co-ordinate Reference:	Well 1BS Com 6H
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:	1BS Com 6H	North Reference:	Grid
Wellbore:	OH / 69699	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)	
17,200.00	91.04	182.22	9,256.80	-8,001.42	-732.81	8,000.39	0.07	-0.05	0.04	
17,295.00	91.20	181.78	9,254.95	-8,096.34	-736.13	8,095.31	0.49	0.17	-0.46	
17,390.00	91.76	180.64	9,252.49	-8,191.29	-738.13	8,190.25	1.34	0.59	-1.20	
17,485.00	92.41	180.44	9,249.04	-8,286.22	-739.03	8,285.18	0.72	0.68	-0.21	
17,579.00	93.19	180.90	9,244.44	-8,380.10	-740.12	8,379.06	0.96	0.83	0.49	
17,674.00	90.31	181.90	9,241.54	-8,475.02	-742.44	8,473.97	3.21	-3.03	1.05	
17,768.00	90.17	181.80	9,241.15	-8,568.97	-745.48	8,567.92	0.18	-0.15	-0.11	
17,863.00	88.74	181.98	9,242.05	-8,663.91	-748.61	8,662.86	1.52	-1.51	0.19	
17,958.00	90.59	182.07	9,242.61	-8,758.85	-751.97	8,757.79	1.95	1.95	0.09	
18,052.00	90.08	183.65	9,242.06	-8,852.72	-756.66	8,851.66	1.77	-0.54	1.68	
18,147.00	89.27	182.84	9,242.60	-8,947.57	-762.04	8,946.50	1.21	-0.85	-0.85	
18,241.00	87.98	178.30	9,244.85	-9,041.51	-762.97	9,040.44	5.02	-1.37	-4.83	
18,336.00	89.58	177.87	9,246.88	-9,136.43	-759.80	9,135.36	1.74	1.68	-0.45	
18,430.00	90.14	178.01	9,247.11	-9,230.37	-756.42	9,229.30	0.61	0.60	0.15	
18,525.00	90.00	177.99	9,246.99	-9,325.31	-753.10	9,324.25	0.15	-0.15	-0.02	
18,619.00	89.33	176.97	9,247.54	-9,419.22	-748.97	9,418.16	1.30	-0.71	-1.09	
18,714.00	87.98	176.20	9,249.77	-9,514.02	-743.31	9,512.97	1.64	-1.42	-0.81	
18,809.00	88.12	176.53	9,253.00	-9,608.77	-737.29	9,607.74	0.38	0.15	0.35	
18,904.00	87.96	177.13	9,256.25	-9,703.57	-732.04	9,702.54	0.65	-0.17	0.63	
18,999.00	88.29	177.65	9,259.36	-9,798.42	-727.72	9,797.40	0.65	0.35	0.55	
19,093.00	88.40	177.34	9,262.08	-9,892.29	-723.61	9,891.27	0.35	0.12	-0.33	
19,188.00	88.66	176.85	9,264.51	-9,987.14	-718.80	9,986.13	0.58	0.27	-0.52	
19,283.00	88.91	176.47	9,266.53	-10,081.96	-713.27	10,080.95	0.48	0.26	-0.40	
19,357.00	87.82	176.21	9,268.64	-10,155.77	-708.54	10,154.78	1.51	-1.47	-0.35	
Final Phoenix MWD Survey										
19,411.00	87.82	176.21	9,270.69	-10,209.62	-704.98	10,208.62	0.00	0.00	0.00	
Projection to Bit										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
188.00	188.00	-0.08	-0.60	First Phoenix MWD Survey	
19,357.00	9,268.64	-10,155.77	-708.54	Final Phoenix MWD Survey	
19,411.00	9,270.69	-10,209.62	-704.98	Projection to Bit	

Intent ☐ As Drilled ☒

API # 30-025-45408		
Operator Name: EARTHSTONE OPERATING, LLC	Property Name: JADE 34-3 FED 1BS COM	Well Number 6H

Kick Off Point (KOP)

UL D	Section 34	Township 19S	Range 33E	Lot	Feet 30	From N/S NORTH	Feet 464	From E/W WEST	County LEA
Latitude 32.6238876					Longitude 103.6580976				NAD 83

First Take Point (FTP)

UL D	Section 34	Township 19S	Range 33E	Lot	Feet 605	From N/S NORTH	Feet 504	From E/W WEST	County LEA
Latitude 32.6223067					Longitude 103.6579726				NAD 83

Last Take Point (LTP)

UL M	Section 3	Township 20S	Range 33E	Lot	Feet 134	From N/S SOUTH	Feet 535	From E/W WEST	County LEA
Latitude 32.5952668					Longitude 103.6580361				NAD 83

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

☐ NO

Is this well an infill well?

☐ YES

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

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

KZ 06/29/2018

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well		8. Well Name and No.
<input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		JADE 34-3 FED COM 2BS/6H
2. Name of Operator	EARTHSTONE OPERATING LLC	9. API Well No.
		3002545408
3a. Address	1400 WOODLOCH FOREST DRIVE SUITE 300,	10. Field and Pool or Exploratory Area
	3b. Phone No. (include area code)	TEAS/BONE SPRING
	(281) 298-4240	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		11. Country or Parish, State
SEC 34/T19S/R33E/NMP		LEA/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input checked="" type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recompleate 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 perfonned 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 recompleation 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.)

10/17/2022-TOE PREP; RIH W/CBP TO 19,390'MD
-RUN CBL W/ EST TOC @ SURF
-PRESSURE TEST 5.5" PROD CSG TO 9500 PSI, 30 MIN, GOOD TEST
-PERFORATE STAGE 1 @ 19,380' - 19,218' MD
10/19-11/13/2022-PERFORATE STAGE 2-55 @ 19,200' - 9,525' MD
-FRACTURE ALL 55 STAGES W/1309 BBLS HCI + 493,657 BBLS SW W/16,110,182# 100 MESH + 8,658,405# 40/70 SAND
11/22-11/23/2022-DRILL OUT
11/26/2022-TURN WELL OVER TO PRODUCTION
12/07/2022 BEGIN FLOWBACK

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Senior Regulatory Technician
JENNIFER ELROD / Ph: (817) 953-3728	Title
Signature	Date 01/04/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Petroleum Engineer	01/27/2023
JONATHON W SHEPARD / Ph: (575) 234-5972 / Accepted	Title	Date
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 / 1315 FWL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623554 / LONG: -103.65533 (TVD: 0 feet, MD: 0 feet)

PPP: LOT C / 330 FNL / 2620 FWL / TWSP: 19S / RANGE: 33E / SECTION: 34 / LAT: 32.623055 / LONG: -103.651094 (TVD: 9977 feet, MD: 10473 feet)

BHL: LOT N / 330 FSL / 2620 FWL / TWSP: 20S / RANGE: 33E / SECTION: 3 / LAT: 32.595809 / LONG: -103.651258 (TVD: 10140 feet, MD: 20832 feet)

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 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				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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 1BS FEDERAL COM		
								6. Well Number: 6H		
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> 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	1255	WEST	LEA
BH:	M	3	20S	33E		103	SOUTH	537	WEST	LEA
13. Date Spudded 05/19/2022	14. Date T.D. Reached 08/25/2022		15. Date Rig Released 09/18/2022			16. Date Completed (Ready to Produce) 12/07/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3565		
18. Total Measured Depth of Well 19411			19. Plug Back Measured Depth 19,407' MD			20. Was Directional Survey Made? <u>Yes</u>		21. Type Electric and Other Logs Run RBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 9525 - 19380 TEAS; BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
20		94.0# J55		1332		26		2115 sks Class C		
13 3/8		54.5# J55		3230		17 1/2		1985 sks Class C		
12 1/4		40# J55 & HCL-80		5420		12 1/4		2100 sks Class C		
7 7/8		20# P110		19407		7 7/8		2610 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) 9525 - 19380 Size:0.42 Total Shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					9525 - 19380		FRACTURE ALL 55 STAGES W/1309 BBLS HCl +			
							493,657 BBLS SW W/16,110,182# 100 MESH + 8,658,405#			
							40/70 SAND			
28. PRODUCTION										
Date First Production 12/08/2022		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING				Well Status (<i>Prod. or Shut-in</i>) PROD				
Date of Test 04/16/2023	Hours Tested 24	Choke Size 60/60	Prod'n For Test Period	Oil - Bbl 1338	Gas - MCF 1417	Water - Bbl. 2940		Gas - Oil Ratio 2197		
Flow Tubing Press.	Casing Pressure 220	Calculated 24-Hour Rate	Oil - Bbl. 1338	Gas - MCF 1417	Water - Bbl. 2940		Oil Gravity - API - (<i>Corr.</i>)			
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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>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</i> Printed Signature <u>Deborah Marberry</u> Name Deborah Marberry Title Sr. Reg. Analyst Date 05/10/2023 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 Cherry 5189	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 3086	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3175	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 8096	T. Todilto	
T. Abo	T. Capitan Reef 3393	T. Entrada	
T. Wolfcamp	T. Brushy Canyon 6517	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. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

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 215667

ACKNOWLEDGMENTS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 215667
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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

CONDITIONS

Action 215667

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 215667
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	File 3160-4 within 10 days of BLM Approval.	12/17/2024