

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

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☒ AMENDED REPORT
NW-11/26/21

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EARTHSTONE OPERATING, LLC 1400 WOODLOCH FOREST, STE. 300 THE WOODLANDS, TX 77380		² OGRID Number 331165	
		³ Reason for Filing Code/ Effective Date NW-11/26/2021	
⁴ API Number 30 - 025-46352	⁵ Pool Name WC-025 G-06 S213215A; BONE SPRING		⁶ Pool Code 97921
⁷ Property Code 332492	⁸ Property Name AZTEC 14-23 2BS FEDERAL COM		⁹ Well Number 4H

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
N	11	21S	32E		130	SOUTH	1395	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
M	23	21S	32E		83	SOUTH	367	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 11/27/2021	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
372603	3BEAR DELAWARE OPERATING-NM, LLC	GAS
20667	SHELL PIPELINE CORPORATION	OIL

IV. Well Completion Data

²¹ Spud Date 07/31/2021	²² Ready Date 11/26/2021	²³ TD 21,250' MD/10,889'TVD	²⁴ PBTB 21,213'MD/10,888'TVD	²⁵ Perforations 20,917' - 11,129'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
26"		20", 94#, J-55		1503'	3080
17.5"		13.375", 54.5#, J-55		3580'	2535
12.25"		9.625", 40#, J-55		5952'	1460
8.75"		5.5", 20#, P-110		21216'	2615

V. Well Test Data

³¹ Date New Oil 11/26/2021	³² Gas Delivery Date 11/27/2021	³³ Test Date 12/31/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 315
³⁷ Choke Size 64/64	³⁸ Oil 1900	³⁹ Water 2165	⁴⁰ Gas 1862		⁴¹ Test Method FLOWING

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: 01/12/2023	Phone: 281-298-4246		

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 30-025-46352	² Pool Code 97921	³ Pool Name WC-025 G-06 S213215A; BONE SPRING
⁴ Property Code	⁵ Property Name AZTEC 14-23 2BS FED COM	⁶ Well Number 4H
⁷ OGRID No. 331165	⁸ Operator Name EARTHSTONE OPERATING, LLC	⁹ Elevation 3846.3

¹⁰ Surface Location

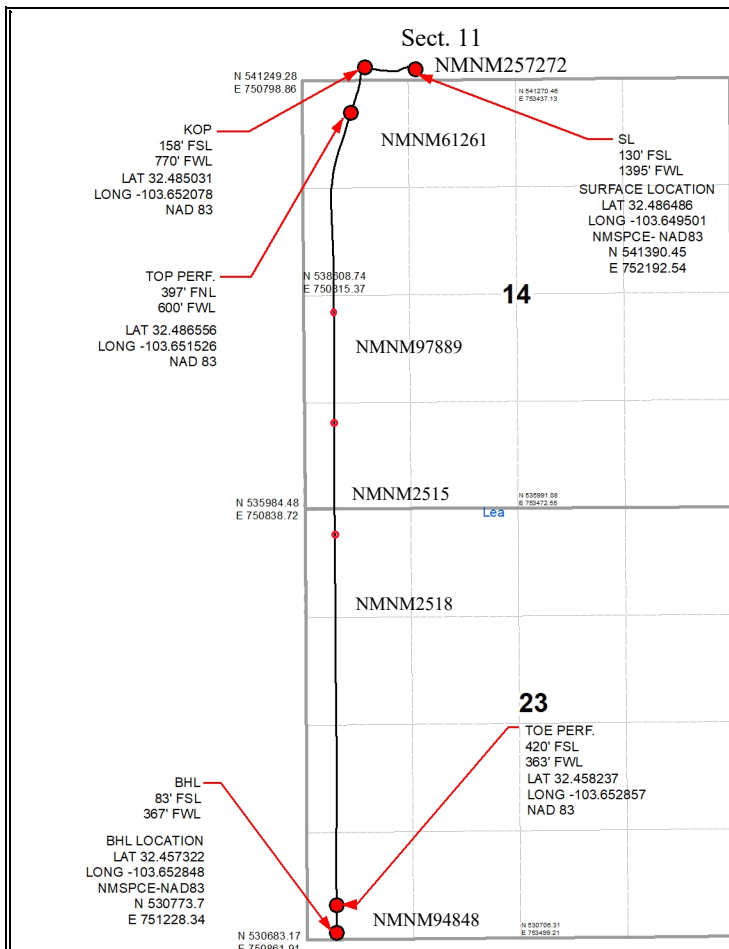
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	11	21 S	32 E		130	SOUTH	1395	WEST	LEA

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	23	21 S	32 E		83	SOUTH	367	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
320			

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.



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.

Deborah Marberry 11/24/2021
Date

Deborah Marberry
Printed Name

dmarberry@earthstoneenergy.com
E-mail Address

Schlumberger

Chisholm Aztec 14-23 Fed 2BS Com 4H Surveys to 21250' MD Survey

Geodetic Report

(Def Survey)

Report Date: August 31, 2021 - 02:41 PM Client: Chisholm Energy Operating, LLC Field: NM Lea County (NAD 83) Structure / Slot: Chisholm Aztec 14-23 Fed 2BS Com 4H / Chisholm Aztec 14-23 Fed 2BS Com 4H Well: Chisholm Aztec 14-23 Fed 2BS Com 4H Borehole: Original Borehole UWI / API#: Unknown / Unknown Survey Name: Chisholm Aztec 14-23 Fed 2BS Com 4H Surveys to 21250' MD Survey Date: July 28, 2021 Tort / AHD / DDI / ERD Ratio: 271.324 ' / 11520.007 ft / 6.785 / 1.058 Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet Location Lat / Long: N 32° 29' 11.35140", W 103° 38' 58.20432" Location Grid N/E Y/X: N 541390.446 ftUS, E 752192.539 ftUS CRS Grid Convergence Angle: 0.3673 ° Grid Scale Factor: 0.99996001 Version / Patch: 2.10.824.0	Survey / DLS Computation: Minimum Curvature / Lubinski Vertical Section Azimuth: 179.660 ° (Grid North) Vertical Section Origin: 0.000 ft, 0.000 ft TVD Reference Datum: RKB TVD Reference Elevation: 3872.300 ft above MSL Seabed / Ground Elevation: 3846.300 ft above MSL Magnetic Declination: 6.510 ° Total Gravity Field Strength: 998.4618mgn (9.80665 Based) Gravity Model: GARM Total Magnetic Field Strength: 47893.629 nT Magnetic Dip Angle: 60.240 ° Declination Date: August 19, 2021 Magnetic Declination Model: HDGM 2021 North Reference: Grid North Grid Convergence Used: 0.3673 ° Total Corr Mag North->Grid North: 6.1425 ° Local Coord Referenced To: Well Head	
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Comments	MD (ft)	Incl (°)	Azim Grd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	541390.45	752192.54	N 32 29 11.35 W 103 38 58.20		0.00	0.00
	157.00	0.63	266.81	157.00	0.04	-0.05	-0.86	0.40	541390.40	752191.68	N 32 29 11.35 W 103 38 58.21		0.86	266.81
	215.00	0.52	217.65	214.99	0.27	-0.27	-1.34	0.84	541390.17	752191.20	N 32 29 11.35 W 103 38 58.22		1.37	258.44
	300.00	0.10	220.10	299.99	0.63	-0.64	-1.62	0.49	541389.81	752190.91	N 32 29 11.35 W 103 38 58.22		1.74	248.61
	360.00	0.88	227.45	359.99	0.98	-0.99	-2.00	1.30	541389.46	752190.54	N 32 29 11.34 W 103 38 58.23		2.23	243.68
	419.00	0.51	185.66	418.99	1.54	-1.56	-2.36	1.02	541388.89	752190.18	N 32 29 11.34 W 103 38 58.23		2.82	236.58
	478.00	0.64	196.07	477.98	2.12	-2.13	-2.47	0.28	541388.31	752190.06	N 32 29 11.33 W 103 38 58.23		3.27	229.23
	540.00	0.51	179.72	539.98	2.73	-2.74	-2.57	0.34	541387.70	752189.97	N 32 29 11.32 W 103 38 58.23		3.76	223.13
	628.00	1.39	223.97	627.97	3.88	-3.90	-3.31	1.23	541386.54	752189.23	N 32 29 11.31 W 103 38 58.24		5.12	220.29
	722.00	0.79	198.79	721.95	5.31	-5.34	-4.31	0.80	541385.11	752188.23	N 32 29 11.30 W 103 38 58.26		6.86	218.92
	817.00	1.49	177.37	816.93	7.16	-7.19	-4.46	0.85	541383.26	752188.08	N 32 29 11.28 W 103 38 58.26		8.46	211.83
	911.00	1.06	251.60	910.91	8.65	-8.69	-5.23	1.68	541381.76	752187.31	N 32 29 11.27 W 103 38 58.27		10.14	211.06
	1005.00	0.70	160.36	1004.91	9.47	-9.50	-5.86	1.36	541380.95	752186.68	N 32 29 11.26 W 103 38 58.27		11.16	211.68
	1091.00	0.96	163.22	1090.90	10.65	-10.69	-5.48	0.31	541379.76	752187.06	N 32 29 11.25 W 103 38 58.27		12.01	207.15
	1186.00	0.52	207.37	1185.89	11.80	-11.83	-5.45	0.73	541378.62	752187.09	N 32 29 11.23 W 103 38 58.27		13.02	204.73
	1280.00	0.57	164.03	1279.89	12.63	-12.66	-5.51	0.43	541377.79	752187.02	N 32 29 11.23 W 103 38 58.27		13.81	203.54
	1374.00	0.86	167.67	1373.88	13.77	-13.80	-5.24	0.31	541376.65	752187.30	N 32 29 11.22 W 103 38 58.27		14.76	200.78
	1458.00	2.34	222.62	1457.85	15.64	-15.67	-6.26	2.35	541374.77	752186.28	N 32 29 11.20 W 103 38 58.28		16.88	201.78
	1569.00	3.35	239.48	1568.71	18.93	-18.99	-10.59	1.17	541371.46	752181.95	N 32 29 11.16 W 103 38 58.33		21.74	209.15
	1663.00	2.52	241.85	1662.59	21.27	-21.36	-14.78	0.89	541369.09	752177.76	N 32 29 11.14 W 103 38 58.38		25.97	214.68
	1757.00	0.85	231.86	1756.54	22.66	-22.76	-17.15	1.80	541367.68	752175.39	N 32 29 11.13 W 103 38 58.41		28.50	216.99
	1850.00	0.70	230.16	1849.53	23.45	-23.55	-18.13	0.16	541366.89	752174.41	N 32 29 11.12 W 103 38 58.42		29.72	217.58
	1943.00	0.72	213.60	1942.53	24.29	-24.41	-18.89	0.22	541366.04	752173.65	N 32 29 11.11 W 103 38 58.43		30.86	217.74
	2037.00	0.94	237.27	2036.52	25.20	-25.31	-19.86	0.43	541365.13	752172.68	N 32 29 11.10 W 103 38 58.44		32.18	218.12
	2130.00	0.89	219.33	2129.51	26.16	-26.29	-20.96	0.31	541364.16	752171.58	N 32 29 11.09 W 103 38 58.45		33.62	218.57
	2225.00	0.94	175.73	2224.49	27.51	-27.63	-21.37	0.72	541362.81	752171.17	N 32 29 11.08 W 103 38 58.46		34.93	217.72
	2319.00	0.85	160.66	2318.48	28.93	-29.06	-21.08	0.27	541361.39	752171.46	N 32 29 11.07 W 103 38 58.45		35.90	215.96
	2413.00	0.79	175.91	2412.47	30.24	-30.36	-20.81	0.24	541360.08	752171.73	N 32 29 11.05 W 103 38 58.45		36.81	214.42
	2507.00	0.86	178.19	2506.46	31.59	-31.72	-20.74	0.08	541358.73	752171.80	N 32 29 11.04 W 103 38 58.45		37.89	213.18
	2600.00	0.72	176.98	2599.46	32.87	-33.00	-20.69	0.15	541357.45	752171.85	N 32 29 11.03 W 103 38 58.45		38.94	212.08
	2691.00	0.60	43.09	2690.45	33.10	-33.22	-20.33	1.34	541357.23	752172.21	N 32 29 11.02 W 103 38 58.44		38.95	211.47
	2786.00	1.51	48.26	2785.44	31.91	-32.02	-19.06	0.96	541358.42	752173.48	N 32 29 11.04 W 103 38 58.43		37.26	210.76
	2879.00	2.36	52.57	2878.38	29.94	-30.04	-16.62	0.93	541360.40	752175.92	N 32 29 11.06 W 103 38 58.40		34.33	208.95
	2974.00	2.90	51.52	2973.28	27.28	-27.36	-13.19	0.57	541363.09	752179.35	N 32 29 11.08 W 103 38 58.36		30.37	205.73
	3068.00	2.61	47.13	3067.17	24.37	-24.42	-9.76	0.38	541366.02	752182.78	N 32 29 11.11 W 103 38 58.32		26.30	201.78
	3163.00	2.75	47.92	3162.07	21.39	-21.42	-6.48	0.15	541369.02	752186.06	N 32 29 11.14 W 103 38 58.28		22.38	196.83
	3257.00	2.77	47.24	3255.96	18.35	-18.37	-3.14	0.04	541372.08	752189.40	N 32 29 11.17 W 103 38 58.24		18.64	189.69
	3351.00	2.79	48.85	3349.85	15.33	-15.32	0.25	0.09	541375.12	752192.79	N 32 29 11.20 W 103 38 58.20		15.33	179.06
	3445.00	2.37	40.35	3443.75	12.36	-12.34	3.23	0.60	541378.11	752195.77	N 32 29 11.23 W 103 38 58.17		12.75	165.32
	3627.00	2.28	47.22	3625.60	7.06	-7.01	8.33	0.16	541383.44	752200.87	N 32 29 11.28 W 103 38 58.11		10.88	130.10
	3721.00	2.50	49.23	3719.52	4.47	-4.40	11.25	0.25	541386.04	752203.79	N 32 29 11.31 W 103 38 58.07		12.08	111.37
	3816.00	2.26	57.11	3814.44	2.12	-2.03	14.39	0.43	541388.41	752206.93	N 32 29 11.33 W 103 38 58.04		14.54	98.04
	3910.00	2.96	57.25	3908.34	-0.18	0.29	17.99	0.74	541390.73	752210.53	N 32 29 11.35 W 103 38 57.99		17.99	89.08
	4004.00	3.00	56.16	4002.22	-2.84	2.97	22.08	0.07	541393.42	752214.61	N 32 29 11.38 W 103 38 57.95		22.27	82.34
	4099.00	3.49	53.06	4097.06	-5.94	6.09	26.45	0.55	541396.54	752218.99	N 32 29 11.41 W 103 38 57.90		27.14	77.03
	4193.00	2.66	50.21	4190.93	-9.03	9.21	30.41	0.90	541399.65	752222.95	N 32 29 11.44 W 103 38 57.85		31.78	73.16
	4286.00	2.28	23.42	4283.94	-12.09	12.29	32.81	1.29	541402.73	752225.35	N 32 29 11.47 W 103 38 57.82		35.03	69.47
	4380.00	1.64	2.40	4377.79	-15.15	15.35	33.61	1.01	541405.79	752226.14	N 32 29 11.50 W 103 38 57.81		36.95	65.46
	4474.00	1.49	347.11	4471.75	-17.68	17.88	33.39	0.47	541408.33	752225.93	N 32 29 11.53 W 103 38 57.81		37.88	61.83
	4567.00	1.71	351.00	4564.72	-20.24	20.43	32.90	0.26	541410.88	752225.44	N 32 29 11.55 W 103 38 57.82		38.73	58.16
	4662.00	1.85	358.88	4659.67	-23.17	23.36	32.65	0.30	541413.81	752225.19	N 32 29 11.58 W 103 38 57.82		40.15	54.42
	4756.00	2.36	2.09	4753.61	-26.62	26.82	32.69	0.56	541417.26	752225.23	N 32 29 11.61 W 103 38 57.82		42.28	50.64
	4850.00	2.27	337.38	4847.53	-30.28	30.47	32.05	1.06	541420.91	752224.59	N 32 29 11.65 W 103 38 57.83		44.22	46.45
	4944.00	2.17	319.07	4941.47	-33.35	33.53	30.17	0.76	541423.98	752222.70	N 32 29 11.68 W 103 38 57.85		45.10	41.98
	5037.00	2.17	314.02	5034.40	-35.92	36.08	27.75	0.21	541426.53	752220.28	N 32 29 11.71 W 103 38 57.88		45.52	37.56
	5131.00	2.64	315.92	5128.32	-38.72	38.87	24.96	0.51	541429.32	752217.50	N 32 29 11.73 W 103 38 57.91		46.20	32.70
	5225.00	2.83	289.20	5222.21	-41.06	41.19	21.26	1.35	541431.63	752213.80	N 32 29 11.76 W 103 38 57.95		46.35	27.30
	5320.00	3.30	286.19	5317.08	-42.62	42.72	16.42	0.52	541433.17	752208.96	N 32 29 11.77 W 103 38 58.01		45.77	21.02
	5414.00	3.14	272.23	5410.93	-43.51	43.58	11.25	0.85	541434.02	752203.78	N 32 29 11.78 W 103 38 58.07		45.01	14.47
	5509.00	3.30	255.54	5505.78	-42.96	43.00	6.00	1.00	541433.44	752198.54	N 32 29 11.78 W 103 38 58.13		43.41	7.94
	5603.00	3.95	238.93	5599.60	-40.65	40.65	0.61	1.31	541431.09	752193.14	N 32 29 11.75 W 103 38 58.19		40.65	0.85
	5698.00	4.18	258.54	5694.36	-38.31	38.27	-5.59	1.48	541428.72	752186.95	N 32 29 11.73 W 103 38 58.27		38.68	351.69
	5792.00	4.37	261.69	5788.10	-37.15	37.07	-12.49	0.32	541427.52	752180.05	N 32 29 11.72 W 103 38 58.35		39.12	341.38
	5887.00	5.23	266.08	5882.77	-36.38	36.38	-20.39	0.98	541426.70	752172.15	N 32 29 11.71 W 103 38 58.44		41.60	330.64
	5919.00	5.49	264.56	5914.63	-36.15	36.01	-23.37	0.93	541426.46	752169.17	N 32 29 11.71 W 17			

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)
	8785.00	11.43	274.61	8734.89	-3.09	-0.04	-527.23	0.43	541390.41	751665.34	N 32 29 11.38 W 103 39	4.36	527.23	270.00
	8882.00	11.43	274.61	8842.97	-4.44	-0.21	-544.86	0.70	541391.59	751667.70	N 32 29 11.40 W 103 39	4.57	270.12	
	8976.00	8.04	274.38	8920.01	-5.40	2.08	-559.77	2.36	541392.53	751632.79	N 32 29 11.41 W 103 39	4.74	559.77	270.21
	9071.00	5.88	273.51	9014.30	-6.28	2.89	-571.25	2.28	541393.33	751621.31	N 32 29 11.42 W 103 39	4.87	571.26	270.29
	9166.00	2.99	276.55	9109.01	-6.90	3.47	-578.57	3.05	541393.91	751613.99	N 32 29 11.42 W 103 39	4.96	578.58	270.34
	9260.00	2.34	316.82	9202.91	-8.60	5.15	-582.32	2.06	541395.59	751610.24	N 32 29 11.44 W 103 39	5.00	582.35	270.51
	9354.00	2.59	305.47	9296.83	-11.25	7.78	-585.37	0.58	541398.22	751607.20	N 32 29 11.47 W 103 39	5.04	585.42	270.76
	9448.00	3.08	288.36	9390.71	-13.30	9.81	-589.49	1.03	541400.25	751603.07	N 32 29 11.49 W 103 39	5.09	589.57	270.95
	9543.00	1.93	320.58	9485.63	-15.36	11.85	-592.93	1.87	541402.29	751599.63	N 32 29 11.51 W 103 39	5.13	593.05	271.14
	9636.00	1.10	22.34	9578.90	-17.40	13.88	-593.86	1.84	541404.33	751598.96	N 32 29 11.53 W 103 39	5.13	593.75	271.34
	9731.00	0.85	239.72	9673.59	-17.89	14.37	-593.85	1.95	541404.82	751598.72	N 32 29 11.53 W 103 39	5.14	594.02	271.39
	9825.00	3.63	262.21	9767.51	-17.16	13.62	-597.40	3.05	541404.06	751595.17	N 32 29 11.52 W 103 39	5.18	597.55	271.31
	9919.00	3.72	284.53	9861.32	-17.56	13.98	-603.30	1.52	541404.42	751589.27	N 32 29 11.53 W 103 39	5.25	603.46	271.33
	10012.00	3.86	305.62	9954.12	-20.17	16.56	-608.76	1.50	541407.00	751583.80	N 32 29 11.55 W 103 39	5.31	608.99	271.56
	10107.00	5.21	288.57	10048.83	-23.45	19.79	-615.45	1.99	541410.24	751577.11	N 32 29 11.59 W 103 39	5.39	615.77	271.84
	10149.00	5.14	286.92	10090.66	-24.62	20.95	-619.06	0.39	541411.39	751573.50	N 32 29 11.60 W 103 39	5.43	619.42	271.94
	10162.00	4.96	285.97	10103.61	-24.95	21.27	-620.16	1.53	541411.72	751572.41	N 32 29 11.60 W 103 39	5.44	620.52	271.96
	10209.00	5.71	280.73	10150.41	-25.16	21.45	-624.42	5.19	541411.90	751568.15	N 32 29 11.60 W 103 39	5.49	624.79	271.97
	10257.00	11.19	232.52	10197.89	-21.97	18.23	-630.48	13.99	541408.68	751562.09	N 32 29 11.57 W 103 39	5.56	630.74	271.66
	10303.00	18.24	217.20	10242.37	-13.56	9.77	-638.39	17.38	541400.21	751554.18	N 32 29 11.49 W 103 39	5.66	638.46	270.88
	10350.00	23.16	208.86	10286.33	0.36	-4.20	-647.30	12.18	541386.25	751545.26	N 32 29 11.35 W 103 39	5.76	647.32	269.63
	10396.00	25.72	201.52	10328.21	17.52	-21.41	-655.33	8.63	541369.04	751537.23	N 32 29 11.18 W 103 39	5.86	655.68	268.13
	10443.00	28.07	198.59	10370.13	37.45	-41.38	-662.60	5.74	541349.06	751529.97	N 32 29 10.98 W 103 39	5.94	663.89	266.43
	10490.00	29.27	195.33	10411.37	58.98	-62.95	-669.16	4.19	541327.50	751523.40	N 32 29 10.77 W 103 39	6.02	672.12	264.63
	10538.00	33.16	191.19	10452.42	83.15	-87.15	-674.82	9.25	541303.30	751517.75	N 32 29 10.53 W 103 39	6.09	680.42	262.64
	10585.00	36.74	189.46	10490.94	109.60	-113.64	-679.62	7.90	541276.81	751512.94	N 32 29 10.27 W 103 39	6.15	689.06	260.51
	10632.00	40.43	187.34	10527.67	142.63	-142.63	-683.88	8.34	541247.82	751508.68	N 32 29 9.98 W 103 39	6.20	698.60	258.22
	10679.00	45.22	184.64	10562.13	170.31	-174.39	-687.18	10.91	541216.06	751505.39	N 32 29 9.67 W 103 39	6.24	708.97	255.76
	10726.00	47.12	188.22	10594.69	203.97	-208.07	-690.99	6.82	541182.38	751501.57	N 32 29 9.34 W 103 39	6.29	721.64	253.24
	10773.00	47.15	194.76	10626.68	237.65	-241.80	-697.85	10.20	541148.66	751494.72	N 32 29 9.00 W 103 39	6.37	738.55	250.89
	10820.00	47.67	201.69	10658.51	270.41	-274.62	-708.67	10.91	541115.84	751483.90	N 32 29 8.68 W 103 39	6.50	760.02	248.82
	10867.00	51.25	199.44	10689.05	303.78	-308.06	-721.19	8.44	541082.40	751471.38	N 32 29 8.35 W 103 39	6.65	784.23	246.87
	10914.00	57.22	197.65	10716.51	339.85	-344.20	-733.29	13.07	541046.26	751459.28	N 32 29 7.99 W 103 39	6.79	810.06	244.85
	10961.00	64.51	197.87	10739.38	378.84	-383.27	-745.81	15.52	541007.19	751446.76	N 32 29 7.61 W 103 39	6.94	838.53	242.80
	11009.00	66.89	196.81	10759.95	420.54	-425.05	-758.95	5.55	539965.42	751433.72	N 32 29 7.19 W 103 39	7.09	869.75	240.75
	11056.00	72.01	196.11	10775.55	462.67	-467.25	-771.32	10.77	540923.21	751421.26	N 32 29 6.78 W 103 39	7.24	901.81	238.79
	11104.00	74.89	196.45	10789.22	506.75	-511.42	-784.21	6.04	540879.05	751408.36	N 32 29 6.34 W 103 39	7.40	936.23	236.89
	11151.00	77.23	196.77	10800.54	550.38	-555.12	-797.25	5.02	540835.34	751395.32	N 32 29 5.91 W 103 39	7.55	971.48	235.15
	11197.00	79.89	197.45	10809.66	593.39	-598.21	-810.52	5.96	540792.26	751382.06	N 32 29 5.48 W 103 39	7.71	1007.37	233.57
	11244.00	82.86	197.39	10816.71	637.64	-642.54	-824.43	6.32	540747.93	751368.15	N 32 29 5.05 W 103 39	7.88	1045.25	232.07
	11291.00	85.87	197.42	10821.33	682.18	-687.17	-838.42	6.40	540703.31	751354.16	N 32 29 4.61 W 103 39	8.04	1084.04	230.66
	11384.00	88.96	198.36	10825.52	770.41	-775.57	-866.95	3.47	540614.91	751325.62	N 32 29 3.73 W 103 39	8.38	1163.24	228.18
	11461.00	89.21	197.72	10826.75	843.47	-848.78	-890.79	0.89	540541.71	751301.78	N 32 29 3.01 W 103 39	8.67	1230.42	226.38
	11557.00	89.21	197.61	10828.06	919.62	-919.62	-904.65	4.12	540460.25	751272.65	N 32 29 2.11 W 103 39	9.01	1315.37	224.37
	11651.00	89.21	198.00	10829.34	1024.08	-1029.73	-948.66	0.42	540360.76	751243.91	N 32 29 1.22 W 103 39	9.36	1400.11	222.65
	11749.00	89.21	194.62	10830.64	1114.12	-1119.92	-975.06	3.60	540270.57	751217.52	N 32 29 0.33 W 103 39	9.67	1484.91	221.04
	11839.00	88.67	191.94	10832.39	1205.45	-1211.39	-996.64	2.91	540179.11	751195.94	N 32 28 59.43 W 103 39	9.93	1568.68	219.45
	11933.00	88.75	189.85	10834.50	1297.62	-1303.66	-1014.40	2.22	540086.84	751178.18	N 32 28 58.52 W 103 39	10.14	1651.83	217.89
	12027.00	88.08	185.32	10837.11	1390.66	-1396.78	-1026.80	4.87	539993.72	751165.78	N 32 28 57.60 W 103 39	10.30	1733.59	216.32
	12121.00	88.17	184.58	10840.18	1484.21	-1490.38	-1034.91	0.79	539900.13	751157.67	N 32 28 56.67 W 103 39	10.40	1814.46	214.78
	12215.00	89.01	181.30	10842.49	1578.02	-1584.21	-1039.73	3.60	539806.30	751152.85	N 32 28 55.74 W 103 39	10.46	1894.93	213.28
	12309.00	89.87	177.33	10843.41	1671.99	-1678.18	-1041.92	4.32	539712.33	751153.98	N 32 28 54.81 W 103 39	10.45	1973.58	211.75
	12403.00	90.27	177.67	10843.30	1765.92	-1772.09	-1034.51	0.56	539618.43	751158.08	N 32 28 53.88 W 103 39	10.41	2051.95	210.28
	12497.00	90.23	177.37	10842.89	1859.86	-1866.00	-1030.44	0.32	539524.52	751162.14	N 32 28 52.95 W 103 39	10.37	2131.61	208.91
	12591.00	90.26	177.13	10842.49	1953.77	-1959.89	-1025.93	0.26	539430.63	751166.65	N 32 28 52.02 W 103 39	10.33	2212.17	207.63
	12685.00	90.22	176.47	10842.09	2047.65	-2053.75	-1020.68	0.70	539336.79	751171.90	N 32 28 51.10 W 103 39	10.27	2293.40	206.43
	12779.00	90.20	177.06	10841.75	2141.53	-2147.60	-1015.38	0.63	539242.94	751177.20	N 32 28 50.17 W 103 39	10.22	2375.53	205.30
	12874.00	90.15	177.98	10841.46	2236.46	-2242.51	-1011.27	0.97	539148.03	751181.31	N 32 28 49.23 W 103 39	10.18	2459.98	204.36
	12968.00	90.30	179.55	10841.09	2330.45	-2336.48	-1009.24	1.68	539054.06	751183.34	N 32 28 48.30 W 103 39	10.16	2545.13	203.27
	13062.00	90.18	179.14	10840.45	2424.45	-2430.47	-1008.17	1.45	538960.08	751184.42	N 32 28 47.37 W 103 39	10.15	2631.27	202.53
	13155.00	90.12	179.20	10840.45	2517.44	-2523.46	-1006.82	0.09	538867.09	751185.76	N 32 28 46.45 W 103 39	10.15	2716.90	201.75
	13248.00	90.15	179.76	10840.23	2610.44	-2616.46	-1005.97	0.60	538774.10	751186.61	N 32 28 45.53 W 103 39	10.14	2803.18	201.03
	13342.00	90.23	178.84	10839.92	2704.44	-2710.45	-1004.83	0.98	538680.11	751187.75	N 32 28 44.60 W 103 39	10.14	2890.71	200.34
	13437.00	90.25	180.01	10839.52	2799.44	-2805.44	-1003.87	1.23	538585.12	751188.71	N 32 28 43.66 W 103 39	10.13	2979.64	199.69
	13531.00	90.28	179.35	10839.09	2893.43	-2899.44	-1003.35	0.70	538491.13	751189.23	N 32 28 42.73 W 103 39	10.13	3068.14	199.09
	13625.00	90.15	179.50	10838.74	2987.43	-2993.43	-1002.40	0.21	538397.14	751190.18	N 32 28 41.80 W 103 39	10.13	3156.81	198.51
	13719.00	90.27	179.31	10838.39	3081.43	-3087.43	-1001.43	0.24	538303.15	751191.15	N 32 28 40.87 W 103 39	10.13	3245.78	

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")	Closure (ft)	Closure Azimuth (°)
	19356.00	89.21	180.21	10862.32	8717.60	-8723.50	-968.00	1.00	532667.31	751224.58	N 32 27 45.10 W	103 39 10.15	8777.04	186.33
	19450.00	89.21	180.32	10863.62	8811.59	-8817.49	-968.43	0.12	532573.33	751224.15	N 32 27 44.17 W	103 39 10.17	8870.51	186.27
	19545.00	89.21	180.90	10864.93	8906.57	-8912.48	-969.44	0.61	532478.34	751223.14	N 32 27 43.23 W	103 39 10.19	8965.05	186.21
	19639.00	88.78	180.12	10866.58	9000.54	-9006.46	-970.28	0.95	532384.37	751222.30	N 32 27 42.30 W	103 39 10.20	9058.57	186.15
	19733.00	89.08	179.66	10868.33	9094.52	-9100.44	-970.10	0.58	532290.39	751222.48	N 32 27 41.37 W	103 39 10.21	9152.00	186.08
	19826.00	89.31	180.73	10869.64	9187.51	-9193.43	-970.41	1.18	532197.40	751222.17	N 32 27 40.45 W	103 39 10.22	9244.50	186.03
	19920.00	89.16	180.93	10870.89	9281.48	-9287.41	-971.78	0.27	532103.43	751220.80	N 32 27 39.52 W	103 39 10.24	9338.11	185.97
	20013.00	89.21	180.66	10872.22	9374.45	-9380.39	-973.07	0.30	532010.45	751219.51	N 32 27 38.60 W	103 39 10.26	9430.73	185.92
	20107.00	88.92	179.98	10873.75	9468.43	-9474.38	-973.59	0.79	531916.47	751218.99	N 32 27 37.67 W	103 39 10.28	9524.27	185.87
	20202.00	89.24	179.85	10875.28	9563.42	-9569.36	-973.45	0.36	531821.48	751219.13	N 32 27 36.73 W	103 39 10.28	9618.75	185.81
	20295.00	88.84	179.79	10876.83	9656.41	-9662.35	-973.16	0.43	531728.50	751219.42	N 32 27 35.81 W	103 39 10.28	9711.23	185.75
	20389.00	89.22	180.02	10878.43	9750.39	-9756.34	-973.00	0.47	531634.52	751219.58	N 32 27 34.88 W	103 39 10.29	9804.74	185.70
	20483.00	89.01	180.35	10879.88	9844.38	-9850.33	-973.31	0.42	531540.53	751219.27	N 32 27 33.95 W	103 39 10.30	9898.29	185.64
	20577.00	89.35	179.71	10881.22	9938.36	-9944.32	-973.36	0.77	531446.55	751219.22	N 32 27 33.02 W	103 39 10.31	9991.84	185.59
	20672.00	89.29	178.87	10882.35	10033.35	-10039.30	-972.18	0.89	531351.57	751220.40	N 32 27 32.08 W	103 39 10.30	10086.26	185.53
	20766.00	88.86	179.28	10883.87	10127.34	-10133.28	-970.66	0.63	531257.60	751221.92	N 32 27 31.15 W	103 39 10.29	10179.66	185.47
	20860.00	89.22	179.66	10885.44	10221.32	-10227.26	-969.79	0.56	531163.62	751222.79	N 32 27 30.22 W	103 39 10.29	10273.13	185.42
	20954.00	89.44	179.39	10886.54	10315.32	-10321.25	-969.01	0.37	531069.63	751223.57	N 32 27 29.29 W	103 39 10.28	10366.64	185.36
	21049.00	89.28	179.04	10887.60	10410.31	-10416.23	-967.71	0.41	530974.65	751224.87	N 32 27 28.35 W	103 39 10.28	10461.09	185.31
	21143.00	89.82	179.06	10888.34	10504.30	-10510.22	-966.15	0.57	530880.67	751226.43	N 32 27 27.42 W	103 39 10.27	10554.53	185.25
Final MWD	21221.00	89.24	178.93	10888.98	10582.29	-10588.20	-964.78	0.76	530802.69	751227.80	N 32 27 26.65 W	103 39 10.26	10632.07	185.21
Proj to TD	21250.00	89.24	178.93	10889.37	10611.29	-10617.19	-964.24	0.00	530773.70	751228.34	N 32 27 26.36 W	103 39 10.25	10660.89	185.19

Survey Type: Def Survey

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma
Survey Program:

Description	Part	MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)	Casing Diameter (in)	Survey Tool Type	Borehole / Survey
	1	0.000	26.000	1/98.425	30.000	30.000	NAL_MWD_1.0_DEG-Depth Only	Original Borehole / Chisholm Aztec 14-23 Fed 2BS Com 4H Surveys to 21250' MD
	1	26.000	26.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG-Depth Only	Original Borehole / Chisholm Aztec 14-23 Fed 2BS Com 4H Surveys to 21250' MD
	1	26.000	21250.000	Act Stns	30.000	30.000	NAL_MWD_1.0_DEG	Original Borehole / Chisholm Aztec 14-23 Fed 2BS Com 4H

...Original Borehole/Chisholm Aztec 14-23 Fed 2BS Com 4H Surveys to 21250' MD

Intent ☐ As Drilled ☒

API # 30-025-46352		
Operator Name: EARTHSTONE OPERATING, LLC	Property Name: AZTEC 14-23 2BS FED COM	Well Number 4H

Kick Off Point (KOP)

UL M	Section 11	Township 21S	Range 32E	Lot	Feet 158	From N/S SOUTH	Feet 770	From E/W WEST	County LEA
Latitude 32.485031					Longitude -103.652078			NAD 83	

First Take Point (FTP)

UL D	Section 14	Township 21S	Range 32E	Lot	Feet 397	From N/S NORTH	Feet 600	From E/W WEST	County LEA
Latitude 32.486556					Longitude -103.651526			NAD 83	

Last Take Point (LTP)

UL M	Section 23	Township 21S	Range 32E	Lot	Feet 420	From N/S SOUTH	Feet 363	From E/W WEST	County LEA
Latitude 32.458237					Longitude -103.652857			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 # 30-025-46351		
Operator Name: EARTHSTONE ENERGY OPERATING, LLC	Property Name: AZTEC 14-23 FED COM 3BS	Well Number 3H

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.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	11. Country or Parish, State

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 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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	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	

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 N / 250 FSL / 1485 FWL / TWSP: 21S / RANGE: 32E / SECTION: 11 / LAT: 32.4868167 / LONG: -103.6492097 (TVD: 0 feet, MD: 0 feet)
PPP: LOT D / 1 FNL / 391 FWL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.471594 / LONG: -103.652799 (TVD: 12192 feet, MD: 17676 feet)
PPP: LOT M / 1319 FSL / 392 FWL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.475223 / LONG: -103.652797 (TVD: 12166 feet, MD: 16356 feet)
PPP: LOT L / 2639 FSL / 393 FWL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.478852 / LONG: -103.652795 (TVD: 12162 feet, MD: 15036 feet)
PPP: LOT D / 100 FNL / 380 FWL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4858499 / LONG: -103.6527923 (TVD: 12134 feet, MD: 12495 feet)
BHL: LOT M / 100 FSL / 380 FWL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4573571 / LONG: -103.6528051 (TVD: 12250 feet, MD: 22854 feet)

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.

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

3a. Address

3b. Phone No. (include area code)

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

8. Well Name and No.

9. API Well No.

10. Field and Pool or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

11. Country or Parish, State

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	
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
☐ Final Abandonment Notice	☐ 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.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

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.

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BHL: LOT M / 100 FSL / 380 FWL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4573571 / LONG: -103.6528051 (TVD: 12250 feet, MD: 22854 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								1. WELL API NO. 30-025-46352		
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 AZTEC 14-23 2BS FED 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, STE. 300 THE WOODLANDS, TX 77380						11. Pool name or Wildcat WC-025 G06 S213215A; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	N	11	21S	32E		130	SOUTH	1395	WEST	LEA
BH:	M	23	21S	32E		83	SOUTH	367	WEST	LEA
13. Date Spudded 07/31/2021	14. Date T.D. Reached 08/29/2021		15. Date Rig Released 08/31/2021			16. Date Completed (Ready to Produce) 11/22/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3846' GR		
18. Total Measured Depth of Well 21,250'			19. Plug Back Measured Depth 21,213'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA; MWD; CBL		
22. Producing Interval(s), of this completion -11,129' - 20,917'										
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		1503'		26"		3080		0
13.375"		54.5# J-55		3580'		17.5"		2535		0
9.625"		40# J-55		5952'		12.25"		1460		0
5.5"		20# P-110		21216'		8.75"		2615		0
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 11,129'-20,917' 0.42" 40 HOLES/STAGE X 56 STAGES = 2240 TOTAL HOLES					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11,129'-20,917'		1471 BBLs HCl + 509695 BBLs SW W/14411166# 100			
							MESH + 7792769# 40/70 SAND			
28. PRODUCTION										
Date First Production 11/26/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD				
Date of Test 12/31/2021	Hours Tested 24	Choke Size 64/64	Prod'n For Test Period	Oil - Bbl 1900	Gas - MCF 1862	Water - Bbl. 2165	Gas - Oil Ratio 980			
Flow Tubing Press. 0	Casing Pressure 315	Calculated 24-Hour Rate	Oil - Bbl. 1900	Gas - MCF 1862	Water - Bbl. 2165	Oil Gravity - API - (Corr.) 41.5				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By MURPHY WELL CONTROL			
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. Regulatory Tech			Date 01/12/2023	
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 1517'	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1950'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 3339'	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	Bell Canyon 5208'
T. Tubb	T. Delaware Sand	T. Morrison	Cherry Canyon 5605'
T. Drinkard	T. Bone Springs 8810'	T. Todilto	Brushy Canyon 6924'
T. Abo	T. Capitan Reef - 3593'	T. Entrada	
T. Wolfcamp	T. 1st Bone Sprin 10001'	T. Wingate	
T. Penn	T. 2nd Bone Spring Carb 10303'	T. Chinle	
T. Cisco (Bough C)	T. 2nd Bone Spring SS 10632	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
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.....

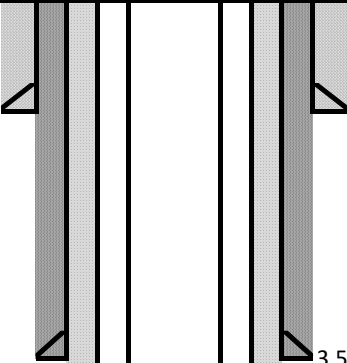
From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology



API # 30-025-46352

Revised: 1/12/2023

MD ft-RKB	Geological Tops	Wellbore Sketch	Hole Size	Casing	Drilling Fluids	Cement	OH Logs/Evaluation
2,000'	1,517 Rustler 1,946 Salado		26"	Surface: 20" 94.0# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 32 - 38 FV 4-6 PV 2-5 YP	Top of Lead: Surface 1885sks 1.68 yield Tail 1195sks yield 1.33	
3,000'	3,339 Yates 3,645 Capitan Reef		17-1/2"	Surface: 13-3/8" 54.5# J55 BTC	Saturated Brine 10.0 - 10.3 ppg 28 - 32 FV	Top of Lead: Surface 1725 sks yield 2.79 Tail 810 sks yield 1.33	
4,000'							
5,000'	5,240 Bell Canyon						
6,000'			12-1/4"	Intermediate: 9-5/8" 40# J55 LTC	WBM 9.0 - 9.5 ppg 15 - 20 PV 8 - 12 YP	Top of Lead: Surface 1095 sks yield 2.79 Tail 365 sxs 1.33 yield	
7,000'							
8,000'			8.75	Production: 5-1/2" 20# P110 BTC	OBM 9.0 - 9.5 ppg 15 - 20 PV 8 - 12 YP	Top of Lead: 4350 660 sxs Yield 2.63 Tail 660 1955 1.5 yield	
9,000'	8,794 Bone Spring						
10,000'	9,843 1st Bone Spring SS 10,357 2nd Bone Spring SS	KOP: 10,235' TVD 	perfs 11129 - 20917 MD			5.5" @ 21216 MD	21,250 MD

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

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

ACKNOWLEDGMENTS

Action 156058

ACKNOWLEDGMENTS

Operator: Earthstone Operating, LLC 1400 Woodloch Forest; Ste 300 The Woodlands, TX 77380	OGRID: 331165
	Action Number: 156058
	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 156058

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	Action Number: 156058
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	This well must have logs and production casing pressure test details submitted within 2 weeks.	11/3/2023