

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

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

Submit one copy to appropriate District Office

☒ AMENDED REPORT
09/26/2022

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EARTHSTONE OPERATING, LLC WOODLOCH FOREST DR. STE 300 ATTN: REGULATORY THE WOODLANDS, TX 77380		² OGRID Number 331165
		³ Reason for Filing Code/ Effective Date New Well 09-26-22
⁴ API Number 30 - 025-48120	⁵ Pool Name WC-025 G-08 S263412K; Bone Spring	⁶ Pool Code 96672
⁷ Property Code 333364	⁸ Property Name Cattlemen Federal Com	⁹ Well Number 114H

II. ¹⁰ Surface Location

UI or lot no. H	Section 17	Township 26S	Range 35E	Lot Idn	Feet from the 2174'	North/South Line N	Feet from the 952'	East/West line E	County Lea
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¹¹ Bottom Hole Location

UL or lot no. P	Section 20	Township 26S	Range 35E	Lot Idn	Feet from the 11'	North/South line S	Feet from the 991'	East/West line E	County Lea
¹² Lse Code F	¹³ Producing Method 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
319135	Western Refining Pipeline, LLC 200 E. Hardin Street Findlay, OH 45840	O
371960	Lucid Energy Delaware, LLC 3100 Mckinnon Street, Suite 800 Dallas, TX 75201	G
248440	Western Refining Company, LP	O

IV. Well Completion Data

²¹ Spud Date 6/2/2022	²² Ready Date 09/26/2022	²³ TD 18,705'	²⁴ PBTD N/A	²⁵ Perforations 10,806-18,605'	²⁶ DHC, MC N/A
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5		13.375	1195'		1000 Class C
12.25		9.625	5372'		1165 Class C
8.75		5.5	18,705'		2800 Class H
		2-7/8" tbg	9967'		

V. Well Test Data

³¹ Date New Oil 09/26/2022	³² Gas Delivery Date 09/26/2022	³³ Test Date 10/26/2022	³⁴ Test Length 24	³⁵ Tbg. Pressure 406	³⁶ Csg. Pressure 0
³⁷ Choke Size 102	³⁸ Oil 1612	³⁹ Water 3780	⁴⁰ Gas 2856		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:			OIL CONSERVATION DIVISION		
Printed name: Deborah Marberry			Approved by: PATRICIA MARTINEZ		
Title: SR. REG TECH			Title: PETROLEUM SPECIALIST		
E-mail Address: dmarberry@earthstoneenergy.com			Approval Date: 1/3/2025		
Date: 06/20/2023		Phone: 281-298-4246			

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

[x] AMENDED REPORT

AS-DRILLED

1 API Number 30-025-48120	2 Pool Code 96672	3 Pool Name WC-025-G-08 S263412K; BONE SPRING
4 Property Code 333364	5 Property Name CATTLEMEN FED COM	
6 Well Number 114H		
7 OGRID No. 331165	8 Operator Name EARTHSTONE OPERATING, LLC	
	9 Elevation 3216'	

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	17	26-S	35-E		2174'	NORTH	952'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	26-S	35-E		11'	SOUTH	991'	EAST	LEA

[illegible]



Titus Oil & Gas Production, LLC

Lea County, NM (NAD27 NME)

Cattleman Fed Com 4

Cattleman Fed Com 114H

OH / 69918

Survey: Phoenix MWD Surveys

Standard Survey Report

01 July, 2022





Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3242.50usft (H&P 656)
Site:	Cattleman Fed Com 4	MD Reference:	RKB @ 3242.50usft (H&P 656)
Well:	Cattleman Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 69918	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 656)	Database:	USA Compass

Project	Lea County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Cattleman Fed Com 4		
Site Position:		Northing:	381,191.19 usft
From:	Map	Easting:	794,292.85 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 40.025151 N
		Longitude:	103° 23' 0.765336 W
		Grid Convergence:	0.504 °

Well	Cattleman Fed Com 114H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 40.025151 N
		Longitude:	103° 23' 0.765336 W
		Ground Level:	3,216.00 usft

Wellbore	OH / 69918		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	6/30/2022	6.264
			Dip Angle (°)
			59.604
			Field Strength (nT)
			47,361.54490662

Design	Surveys (H&P 656)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			179.44

Survey Program	Date	7/1/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
175.00	18,705.00	Phoenix MWD Surveys (OH / 69918)	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
175.00	0.43	186.66	175.00	-0.65	-0.08	0.65	0.25	0.25	0.00
First Phoenix MWD Survey									
358.00	0.28	189.04	357.99	-1.78	-0.23	1.77	0.08	-0.08	1.30
448.00	0.54	133.49	447.99	-2.28	0.05	2.29	0.50	0.29	-61.72
538.00	0.30	63.08	537.99	-2.47	0.56	2.48	0.58	-0.27	-78.23
628.00	0.45	123.00	627.99	-2.56	1.07	2.57	0.44	0.17	66.58
809.00	0.28	80.03	808.99	-2.87	2.10	2.89	0.17	-0.09	-23.74
900.00	0.56	59.21	899.98	-2.60	2.70	2.63	0.35	0.31	-22.88
990.00	0.51	51.54	989.98	-2.13	3.40	2.16	0.10	-0.06	-8.52
1,145.00	0.55	63.91	1,144.97	-1.37	4.60	1.41	0.08	0.03	7.98



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3242.50usft (H&P 656)
Site:	Cattleman Fed Com 4	MD Reference:	RKB @ 3242.50usft (H&P 656)
Well:	Cattleman Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 69918	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 656)	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)
1,258.00	0.42	101.28	1,257.97	-1.21	5.50	1.27	0.30	-0.12	33.07
1,447.00	0.85	124.29	1,446.96	-2.14	7.33	2.21	0.26	0.23	12.17
1,636.00	0.81	125.78	1,635.94	-3.71	9.58	3.80	0.02	-0.02	0.79
1,825.00	0.90	44.54	1,824.92	-3.43	11.70	3.55	0.59	0.05	-42.98
2,014.00	1.31	42.94	2,013.89	-0.79	14.21	0.93	0.22	0.22	-0.85
2,203.00	1.64	57.56	2,202.82	2.24	17.97	-2.06	0.26	0.17	7.74
2,392.00	2.30	53.73	2,391.71	5.93	23.31	-5.71	0.36	0.35	-2.03
2,581.00	2.31	63.64	2,580.56	9.87	29.78	-9.58	0.21	0.01	5.24
2,770.00	3.21	66.78	2,769.34	13.65	38.06	-13.27	0.48	0.48	1.66
2,959.00	3.13	61.38	2,958.05	18.20	47.45	-17.74	0.16	-0.04	-2.86
3,148.00	4.13	20.28	3,146.70	27.06	54.34	-26.53	1.44	0.53	-21.75
3,337.00	2.59	86.47	3,335.43	33.71	60.96	-33.11	2.06	-0.81	35.02
3,526.00	2.55	328.15	3,524.33	37.55	63.01	-36.93	2.33	-0.02	-62.60
3,620.00	3.23	333.16	3,618.21	41.69	60.71	-41.09	0.77	0.72	5.33
3,810.00	3.26	333.58	3,807.91	51.30	55.89	-50.75	0.02	0.02	0.22
3,904.00	2.00	330.75	3,901.81	55.13	53.90	-54.60	1.35	-1.34	-3.01
4,093.00	1.76	306.18	4,090.71	59.72	49.94	-59.23	0.44	-0.13	-13.00
4,282.00	0.56	273.50	4,279.67	61.49	46.68	-61.03	0.70	-0.63	-17.29
4,471.00	0.78	191.66	4,468.66	60.28	45.49	-59.84	0.47	0.12	-43.30
4,660.00	1.28	147.14	4,657.63	57.25	46.38	-56.79	0.48	0.26	-23.56
4,849.00	2.39	136.74	4,846.53	52.61	50.23	-52.11	0.61	0.59	-5.50
5,038.00	2.28	56.18	5,035.42	51.83	56.05	-51.28	1.60	-0.06	-42.62
5,228.00	2.27	54.50	5,225.27	56.12	62.25	-55.51	0.04	-0.01	-0.88
5,322.00	2.23	53.77	5,319.19	58.28	65.25	-57.64	0.05	-0.04	-0.78
5,481.00	2.35	56.74	5,478.07	61.90	70.47	-61.20	0.11	0.08	1.87
5,670.00	1.39	139.54	5,666.99	62.28	75.20	-61.54	1.36	-0.51	43.81
5,859.00	1.50	144.20	5,855.93	58.53	78.13	-57.76	0.09	0.06	2.47
6,048.00	1.49	146.38	6,044.87	54.47	80.94	-53.68	0.03	-0.01	1.15
6,238.00	1.47	143.06	6,234.80	50.47	83.77	-49.65	0.05	-0.01	-1.75
6,427.00	1.25	149.54	6,423.75	46.75	86.27	-45.91	0.14	-0.12	3.43
6,617.00	1.29	149.15	6,613.70	43.13	88.42	-42.27	0.02	0.02	-0.21
6,806.00	1.67	178.77	6,802.64	38.55	89.57	-37.67	0.44	0.20	15.67
6,995.00	1.55	175.04	6,991.57	33.25	89.85	-32.37	0.08	-0.06	-1.97
7,184.00	2.20	177.03	7,180.47	27.08	90.26	-26.20	0.35	0.34	1.05
7,373.00	0.79	320.23	7,369.43	24.46	89.61	-23.58	1.52	-0.75	75.77
7,562.00	1.01	341.55	7,558.41	27.04	88.25	-26.18	0.21	0.12	11.28
7,751.00	0.81	330.10	7,747.38	29.78	87.06	-28.93	0.14	-0.11	-6.06
7,941.00	0.66	282.03	7,937.37	31.17	85.32	-30.34	0.32	-0.08	-25.30
8,130.00	0.80	223.03	8,126.35	30.44	83.35	-29.62	0.39	0.07	-31.22
8,320.00	0.74	157.08	8,316.34	28.34	82.93	-27.52	0.44	-0.03	-34.71
8,509.00	0.73	159.39	8,505.33	26.08	83.83	-25.26	0.02	-0.01	1.22
8,698.00	0.82	163.67	8,694.31	23.66	84.63	-22.83	0.06	0.05	2.26
8,887.00	0.65	104.35	8,883.29	22.10	86.05	-21.25	0.39	-0.09	-31.39



Survey Report



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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)
9,076.00	0.40	123.71	9,072.29	21.46	87.64	-20.61	0.16	-0.13	10.24
9,265.00	0.65	164.46	9,261.28	20.07	88.47	-19.20	0.23	0.13	21.56
9,455.00	0.79	164.75	9,451.26	17.76	89.11	-16.89	0.07	0.07	0.15
9,644.00	0.78	179.10	9,640.25	15.22	89.47	-14.34	0.10	-0.01	7.59
9,843.00	0.99	224.91	9,839.23	12.65	88.28	-11.78	0.36	0.11	23.02
9,936.00	0.68	231.84	9,932.22	11.74	87.27	-10.88	0.35	-0.33	7.45
10,032.00	6.18	182.64	10,028.01	6.22	86.59	-5.37	6.00	5.73	-51.25
10,079.00	17.29	176.64	10,073.96	-3.31	86.88	4.16	23.75	23.64	-12.77
10,127.00	24.55	175.50	10,118.77	-20.39	88.08	21.25	15.15	15.13	-2.38
10,174.00	25.20	176.85	10,161.41	-40.12	89.40	40.99	1.84	1.38	2.87
10,222.00	25.17	177.61	10,204.84	-60.52	90.39	61.40	0.68	-0.06	1.58
10,269.00	28.77	180.13	10,246.73	-81.83	90.78	82.71	8.03	7.66	5.36
10,316.00	34.20	179.86	10,286.79	-106.36	90.78	107.25	11.56	11.55	-0.57
10,363.00	39.43	181.71	10,324.41	-134.51	90.37	135.39	11.37	11.13	3.94
10,410.00	44.86	185.78	10,359.25	-165.95	88.25	166.81	12.93	11.55	8.66
10,457.00	48.89	190.59	10,391.38	-199.87	83.33	200.68	11.37	8.57	10.23
10,505.00	47.29	192.46	10,423.44	-234.87	76.20	235.61	4.42	-3.33	3.90
10,552.00	47.88	192.32	10,455.15	-268.76	68.75	269.42	1.27	1.26	-0.30
10,599.00	51.42	188.14	10,485.58	-304.00	62.43	304.59	10.13	7.53	-8.89
10,646.00	56.50	184.19	10,513.23	-341.76	58.39	342.32	12.76	10.81	-8.40
10,694.00	61.90	182.32	10,537.80	-382.91	56.07	383.44	11.74	11.25	-3.90
10,741.00	68.03	180.91	10,557.68	-425.46	54.89	425.97	13.32	13.04	-3.00
10,786.15	74.59	181.18	10,572.14	-468.19	54.10	468.70	14.53	14.52	0.61
FTP: 10786.15'MD/10572.14'TVD									
10,789.00	75.00	181.20	10,572.89	-470.94	54.05	471.45	14.53	14.52	0.58
10,836.00	83.44	183.60	10,581.67	-517.03	52.10	517.51	18.64	17.96	5.11
10,915.00	92.30	184.30	10,584.61	-595.71	46.67	596.13	11.25	11.22	0.89
11,010.00	92.49	184.79	10,580.64	-690.32	39.14	690.67	0.55	0.20	0.52
11,104.00	90.76	184.80	10,577.97	-783.95	31.29	784.22	1.84	-1.84	0.01
11,199.00	91.26	184.50	10,576.30	-878.63	23.59	878.81	0.61	0.53	-0.32
11,294.00	90.08	184.33	10,575.19	-973.34	16.28	973.45	1.25	-1.24	-0.18
11,388.00	87.73	184.46	10,576.98	-1,067.04	9.08	1,067.07	2.50	-2.50	0.14
11,483.00	86.86	183.81	10,581.47	-1,161.68	2.23	1,161.65	1.14	-0.92	-0.68
11,577.00	87.98	182.80	10,585.70	-1,255.43	-3.18	1,255.34	1.60	1.19	-1.07
11,671.00	89.08	182.51	10,588.11	-1,349.29	-7.53	1,349.16	1.21	1.17	-0.31
11,766.00	90.36	182.61	10,588.57	-1,444.20	-11.78	1,444.01	1.35	1.35	0.11
11,860.00	89.78	181.63	10,588.46	-1,538.13	-15.25	1,537.91	1.21	-0.62	-1.04
11,955.00	89.22	181.08	10,589.29	-1,633.10	-17.50	1,632.85	0.83	-0.59	-0.58
12,050.00	88.32	179.96	10,591.33	-1,728.07	-18.36	1,727.81	1.51	-0.95	-1.18
12,144.00	88.35	179.55	10,594.06	-1,822.03	-17.96	1,821.77	0.44	0.03	-0.44
12,239.00	88.60	178.56	10,596.59	-1,916.98	-16.39	1,916.73	1.07	0.26	-1.04
12,333.00	89.55	178.12	10,598.10	-2,010.93	-13.67	2,010.70	1.11	1.01	-0.47
12,428.00	88.85	178.38	10,599.43	-2,105.88	-10.77	2,105.67	0.79	-0.74	0.27



Survey Report



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Survey										
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12,523.00	89.36	178.62	10,600.91	-2,200.83	-8.28	2,200.64	0.59	0.54	0.25	
12,618.00	90.25	178.35	10,601.24	-2,295.80	-5.77	2,295.63	0.98	0.94	-0.28	
12,712.00	88.77	179.17	10,602.04	-2,389.77	-3.74	2,389.62	1.80	-1.57	0.87	
12,807.00	88.96	179.01	10,603.92	-2,484.74	-2.23	2,484.60	0.26	0.20	-0.17	
12,901.00	89.89	178.50	10,604.87	-2,578.71	-0.19	2,578.58	1.13	0.99	-0.54	
12,995.00	90.84	178.20	10,604.27	-2,672.67	2.52	2,672.56	1.06	1.01	-0.32	
13,090.00	90.39	179.21	10,603.25	-2,767.63	4.67	2,767.55	1.16	-0.47	1.06	
13,185.00	90.42	179.67	10,602.58	-2,862.63	5.60	2,862.55	0.49	0.03	0.48	
13,279.00	91.82	179.54	10,600.74	-2,956.61	6.24	2,956.52	1.50	1.49	-0.14	
13,374.00	91.18	180.70	10,598.25	-3,051.57	6.04	3,051.48	1.39	-0.67	1.22	
13,468.00	88.07	181.21	10,598.87	-3,145.54	4.48	3,145.44	3.35	-3.31	0.54	
13,563.00	88.38	181.03	10,601.81	-3,240.48	2.62	3,240.35	0.38	0.33	-0.19	
13,658.00	90.76	179.99	10,602.52	-3,335.46	1.78	3,335.32	2.73	2.51	-1.09	
13,753.00	92.16	179.63	10,600.10	-3,430.43	2.09	3,430.29	1.52	1.47	-0.38	
13,847.00	93.00	179.15	10,595.87	-3,524.33	3.09	3,524.19	1.03	0.89	-0.51	
13,942.00	89.52	178.09	10,593.78	-3,619.26	5.38	3,619.14	3.83	-3.66	-1.12	
14,037.00	90.06	177.79	10,594.13	-3,714.20	8.79	3,714.11	0.65	0.57	-0.32	
14,131.00	91.06	177.43	10,593.21	-3,808.11	12.71	3,808.05	1.13	1.06	-0.38	
14,226.00	89.86	178.35	10,592.45	-3,903.04	16.21	3,903.01	1.59	-1.26	0.97	
14,320.00	90.08	178.20	10,592.50	-3,997.00	19.04	3,996.99	0.28	0.23	-0.16	
14,415.00	91.20	177.87	10,591.44	-4,091.94	22.30	4,091.96	1.23	1.18	-0.35	
14,509.00	89.30	179.27	10,591.03	-4,185.90	24.64	4,185.94	2.51	-2.02	1.49	
14,604.00	89.36	179.51	10,592.14	-4,280.89	25.65	4,280.93	0.26	0.06	0.25	
14,699.00	90.45	178.70	10,592.29	-4,375.87	27.14	4,375.93	1.43	1.15	-0.85	
14,794.00	91.88	178.28	10,590.36	-4,470.82	29.64	4,470.89	1.57	1.51	-0.44	
14,888.00	91.68	179.22	10,587.44	-4,564.75	31.69	4,564.84	1.02	-0.21	1.00	
14,983.00	88.52	179.60	10,587.28	-4,659.73	32.67	4,659.83	3.35	-3.33	0.40	
15,078.00	89.27	179.17	10,589.11	-4,754.71	33.69	4,754.81	0.91	0.79	-0.45	
15,172.00	90.11	178.39	10,589.62	-4,848.68	35.69	4,848.80	1.22	0.89	-0.83	
15,267.00	91.51	177.83	10,588.28	-4,943.62	38.82	4,943.76	1.59	1.47	-0.59	
15,361.00	92.24	179.69	10,585.20	-5,037.54	40.86	5,037.70	2.12	0.78	1.98	
15,455.00	91.68	182.75	10,581.98	-5,131.45	38.86	5,131.59	3.31	-0.60	3.26	
15,550.00	88.21	182.41	10,582.07	-5,226.34	34.58	5,226.43	3.67	-3.65	-0.36	
15,645.00	87.40	181.86	10,585.71	-5,321.21	31.04	5,321.26	1.03	-0.85	-0.58	
15,739.00	88.49	181.35	10,589.08	-5,415.11	28.41	5,415.13	1.28	1.16	-0.54	
15,834.00	89.55	180.69	10,590.71	-5,510.08	26.72	5,510.08	1.31	1.12	-0.69	
15,928.00	91.57	181.03	10,589.79	-5,604.06	25.31	5,604.04	2.18	2.15	0.36	
16,023.00	90.70	180.61	10,587.91	-5,699.03	23.95	5,698.99	1.02	-0.92	-0.44	
16,118.00	88.99	180.50	10,588.17	-5,794.02	23.03	5,793.97	1.80	-1.80	-0.12	
16,212.00	90.06	179.50	10,588.94	-5,888.01	23.03	5,887.96	1.56	1.14	-1.06	
16,307.00	91.40	179.08	10,587.73	-5,983.00	24.21	5,982.95	1.48	1.41	-0.44	
16,402.00	89.50	178.40	10,586.99	-6,077.97	26.30	6,077.93	2.12	-2.00	-0.72	
16,496.00	88.68	178.11	10,588.48	-6,171.91	29.16	6,171.90	0.93	-0.87	-0.31	
16,591.00	89.72	177.64	10,589.81	-6,266.83	32.68	6,266.85	1.20	1.09	-0.49	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3242.50usft (H&P 656)
Site:	Cattleman Fed Com 4	MD Reference:	RKB @ 3242.50usft (H&P 656)
Well:	Cattleman Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 69918	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 656)	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)	
16,686.00	91.15	177.60	10,589.09	-6,361.75	36.63	6,361.80	1.51	1.51	-0.04	
16,780.00	90.73	179.35	10,587.54	-6,455.70	39.13	6,455.77	1.91	-0.45	1.86	
16,875.00	90.17	180.12	10,586.80	-6,550.69	39.57	6,550.76	1.00	-0.59	0.81	
16,970.00	88.99	180.22	10,587.49	-6,645.69	39.28	6,645.75	1.25	-1.24	0.11	
17,064.00	89.30	179.83	10,588.90	-6,739.68	39.24	6,739.74	0.53	0.33	-0.41	
17,159.00	90.48	179.21	10,589.08	-6,834.67	40.04	6,834.73	1.40	1.24	-0.65	
17,254.00	91.04	178.38	10,587.82	-6,929.64	42.04	6,929.72	1.05	0.59	-0.87	
17,348.00	91.57	178.92	10,585.68	-7,023.59	44.25	7,023.69	0.80	0.56	0.57	
17,443.00	90.34	179.79	10,584.10	-7,118.57	45.32	7,118.67	1.59	-1.29	0.92	
17,538.00	89.33	179.69	10,584.37	-7,213.56	45.75	7,213.67	1.07	-1.06	-0.11	
17,632.00	89.64	179.57	10,585.21	-7,307.56	46.36	7,307.66	0.35	0.33	-0.13	
17,727.00	90.76	179.49	10,584.88	-7,402.55	47.14	7,402.66	1.18	1.18	-0.08	
17,822.00	91.06	178.75	10,583.37	-7,497.53	48.60	7,497.65	0.84	0.32	-0.78	
17,916.00	89.64	179.80	10,582.80	-7,591.52	49.79	7,591.64	1.88	-1.51	1.12	
18,011.00	88.91	181.07	10,584.00	-7,686.50	49.06	7,686.61	1.54	-0.77	1.34	
18,105.00	88.85	181.03	10,585.84	-7,780.47	47.34	7,780.56	0.08	-0.06	-0.04	
18,200.00	90.00	180.93	10,586.79	-7,875.45	45.72	7,875.52	1.22	1.21	-0.11	
18,295.00	91.29	180.59	10,585.72	-7,970.43	44.46	7,970.49	1.40	1.36	-0.36	
18,389.00	91.06	180.19	10,583.79	-8,064.41	43.82	8,064.45	0.49	-0.24	-0.43	
18,484.00	88.21	180.18	10,584.40	-8,159.40	43.51	8,159.43	3.00	-3.00	-0.01	
18,578.00	88.49	180.20	10,587.11	-8,253.36	43.20	8,253.39	0.30	0.30	0.02	
Final Phoenix MWD Survey										
18,616.20	88.49	180.20	10,588.11	-8,291.54	43.07	8,291.57	0.00	0.00	0.00	
LTP: 18616.20'MD/10588.11'TVD										
18,705.00	88.49	180.20	10,590.45	-8,380.31	42.76	8,380.33	0.00	0.00	0.00	
Projection to TD										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
18,705.00	10,590.45	20" Casing		20	24

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
175.00	175.00	-0.65	-0.08	First Phoenix MWD Survey	
10,786.15	10,572.14	-468.19	54.10	FTP: 10786.15'MD/10572.14'TVD	
18,578.00	10,587.11	-8,253.36	43.20	Final Phoenix MWD Survey	
18,616.20	10,588.11	-8,291.54	43.07	LTP: 18616.20'MD/10588.11'TVD	
18,705.00	10,590.45	-8,380.31	42.76	Projection to TD	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 114H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3242.50usft (H&P 656)
Site:	Cattleman Fed Com 4	MD Reference:	RKB @ 3242.50usft (H&P 656)
Well:	Cattleman Fed Com 114H	North Reference:	Grid
Wellbore:	OH / 69918	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 656)	Database:	USA Compass

Checked By: _____ Approved By: _____ Date: _____



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

06/20/2023

Well Name: CATTLEMEN FED COM	Well Location: T26S / R35E / SEC 17 / TR H / 32.0445779 / -103.3840068	County or Parish/State: LEA / NM
Well Number: 114H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110841	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548120	Well Status: Drilling Well	Operator: EARTHSTONE OPERATING LLC

Subsequent Report

Sundry ID: 2736682

Type of Submission: Subsequent Report

Type of Action: Hydraulic Fracturing

Date Sundry Submitted: 06/20/2023

Time Sundry Submitted: 09:46

Date Operation Actually Began: 08/17/2022

Actual Procedure: This well was frac'd 8/17/22 - 8/29/22 Perf 10,806 - 18,605 Total fluids 382,272 bbl SW; 28,500 gals
HCl TD @ 18,705 2-7/8" TBG set @ 9967 Well spud 06/02/2022

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: DEBORAH MARBERRY

Signed on: JUN 20, 2023 09:46 AM

Name: EARTHSTONE OPERATING LLC

Title: Sr Regulatory Tech

Street Address: 1400 WOODLOCK FOREST DRIVE STE 300

City: THE WOODLANDS

State: TX

Phone: (281) 298-4246

Email address: DMARBERRY@EARTHSTONEENERGY.COM

Field

Well Name: CATTLEMEN FED COM	Well Location: T26S / R35E / SEC 17 / TR H / 32.0445779 / -103.3840068	County or Parish/State: LEA / NM
Well Number: 114H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110841	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548120	Well Status: Drilling Well	Operator: EARTHSTONE OPERATING LLC

Cattlemen Fed Com 114H

String/Hole Type	Date TD or	Borehole, Strings, and Equipment			Specs for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
		Diameter	Top	Bottom	Grade	Length	Weight	BOC (MD)	TOC	Method	Cmt Class	Sacks	Pressure
Hole 1	6/2/2022	17 1/2	0	1205	-	-	-	-	-	-	-	-	-
Surface	6/2/2022	13 3/8	0	1195	J55	1195	54.5	1195	0	Circ	C	1000	Y
Hole 2	6/5/2022	12 1/4	1195	5387	-	-	-	-	-	-	-	-	-
Intermediate	6/5/2022	9 5/8	0	5372	J55	5387	40	5387	0	Circ	C	1165	Y
Hole 3	6/16/2022	8 3/4	5372	18705	-	-	-	-	-	-	-	-	-
Production 1	6/16/2022	5 1/2	0	18705	P110	13333	20	18705	0	Circ	HSLD	2800	Y

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. 30-025-48120			
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)							2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN			
							3. State Oil & Gas Lease No.			
7. Type of Completion: ☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____							5. Lease Name or Unit Agreement Name CATTLEMEN FEDERAL COM			
8. Name of Operator Earthstone Operating, LLC							6. Well Number: 114H			
10. Address of Operator 1400 WOODLOCH FOREST DR. STE 300 ATTN: REGULATORY THE WOODLANDS, TX 77380							11. Pool name or Wildcat WC-025 G-08 S263412K; BONE SPRING			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	17	26S	35E		2174	N	952	E	LEA
BH:	p	20	26S	35E		11	S	991	E	LEA
13. Date Spudded 06/02/2022	14. Date T.D. Reached 06/16/2022		15. Date Rig Released 06/17/2022		16. Date Completed (Ready to Produce) 09/26/2022			17. Elevations (DF and RKB, RT, GR, etc.) 3216		
18. Total Measured Depth of Well 18705			19. Plug Back Measured Depth NA		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run RBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10806-18605 WC-025 G-08 S263412K; BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		54.5		1195		17-1/2		1000sks Class C		
9-5/8		40		5372		12-1/4		1165sks Class C		
5-1/2		20		18705		8-3/4		2800sks HSLD		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2-7/8	9967	9956		
26. Perforation record (interval, size, and number) 10806-18605; size 0.41 4spf; 12,168 perfs						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10806-18605		Frac 39 stages w/382,272 bbls SW, 28,500 gals HCl;		
								8,565,396 # 100 mesh; 12,808,508 lbs 40/70 sand		
28. PRODUCTION										
Date First Production 09/26/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PROD				
Date of Test 10/26/2022	Hours Tested 24	Choke Size 102	Prod'n For Test Period	Oil - Bbl 1612	Gas - MCF 2856	Water - Bbl. 3780	Gas - Oil Ratio 1779			
Flow Tubing Press. 406	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 1612	Gas - MCF 2856	Water - Bbl. 3780	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.)							30. Test Witnessed By			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____			Longitude _____			NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature <i>Deborah Marberry</i>			Printed Name DEBORAH MARBERRY			Title SR. REG TECH			Date 06/20/2023	
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 BELL 5442	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5080	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs 1st 10757	T. Todilto	
T. Abo	T. RUSTLER 1091	T. Entrada	
T. Wolfcamp	T. SALADO 1599	T. Wingate	
T. Penn	T. LAMAR 5410	T. Chinle	
T. Cisco (Bough C)	T. CHERRY CANYON 6390	T. Permian	

OIL OR GAS SANDS OR ZONES

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.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Well Name: CATTLEMEN FED COM	Well Location: T26S / R35E / SEC 17 / TR H / 32.0445779 / -103.3840068	County or Parish/State: LEA / NM
Well Number: 114H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110841	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548120	Well Status: Drilling Well	Operator: TITUS OIL AND GAS PRODUCTION LLC

Subsequent Report

Sundry ID: 2677775

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 06/20/2022	Time Sundry Submitted: 12:38
Date Operation Actually Began: 06/22/1922	

Actual Procedure: Drilled, cased and cemented well from 6/2/2022 to 6/16/2022

SR Attachments

PAActual Procedure

Csg__Cmt_Report_Cattlemen_Fed_Com_114H_20220620123825.pdf

Well Name: CATTLEMEN FED COM	Well Location: T26S / R35E / SEC 17 / TR H / 32.0445779 / -103.3840068	County or Parish/State: LEA / NM
Well Number: 114H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM110841	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548120	Well Status: Drilling Well	Operator: TITUS OIL AND GAS PRODUCTION LLC

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: RYAN DELONG	Signed on: JUN 20, 2022 12:38 PM
Name: TITUS OIL AND GAS PRODUCTION LLC	
Title: Regulatory Manager	
Street Address: 420 Throckmorton St., Suite 1150	
City: Fort Worth	State: TX
Phone: (817) 852-6370	
Email address: regulatory@titusoil.com	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 07/12/2022
Signature: Jonathon Shepard	

Cattlemen Fed Com 114H		Borehole, Strings, and Equipment			Specs for Strings and Tubing			Strings Cemented and Intervals			Cement and Plug Description		
String/Hole Type	Date TD or	Diameter	Top	Bottom	Grade	Length	Weight	BOC (MD)	TOC	Method	Cmt Class	Sacks	Pressure
Hole 1	6/2/2022	17 1/2	0	1205	-	-	-	-	-	-	-	-	-
Surface	6/2/2022	13 3/8	0	1195	J55	1195	54.5	1195	0	Circ	C	1000	Y
Hole 2	6/5/2022	12 1/4	1195	5387	-	-	-	-	-	-	-	-	-
Intermediate	6/5/2022	9 5/8	0	5372	J55	5387	40	5387	0	Circ	C	1165	Y
Hole 3	6/16/2022	8 3/4	5372	18705	-	-	-	-	-	-	-	-	-
Production 1	6/16/2022	5 1/2	0	18705	P110	13333	20	18705	0	Circ	HSLD	2800	Y

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 230840

ACKNOWLEDGMENTS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 230840
	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.

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 230840

CONDITIONS

Operator: Earthstone Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 331165
	Action Number: 230840
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days of BLM approval.	1/3/2025