

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

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address CHISHOLM ENERGY OPERATING, LLC 801 CHERRY ST., SUITE 1200-UNIT 20 FORT WORTH, TX 76102		² OGRID Number 372137
		³ Reason for Filing Code/ Effective Date NW-01/19/2021
⁴ API Number 30 - 025-45161	⁵ Pool Name BUFFALO; BONE SPRING; SOUTHEAST	⁶ Pool Code 8246
⁷ Property Code 322271	⁸ Property Name BUFFALO 12-1 FED COM 2BS	⁹ Well Number 5H

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
O	12	19S	33E		423	SOUTH	1350	EAST	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
1	1	19S	33E		73	NORTH	825	EAST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 01/20/2021	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	O/G/W

IV. Well Completion Data

²¹ Spud Date 11/11/2020	²² Ready Date 01/19/2021	²³ TD 20075' MD/9485' TVD	²⁴ PBTB 20048'MD/9485'TVD	²⁵ Perforations 20027'-9964' MD	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17.5"		13.375", 54.5#, J-55		1601'	
12.25"		9.625", 40#, J-55		5320'	
8.75"		5.5", 20#, P-110		20052'	

V. Well Test Data

³¹ Date New Oil 01/19/2021	³² Gas Delivery Date 01/20/2021	³³ Test Date 02/02/2021	³⁴ Test Length 24	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 215
³⁷ Choke Size 64/64	³⁸ Oil 946	³⁹ Water 3278	⁴⁰ Gas 788		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: 	OIL CONSERVATION DIVISION
Printed name: JENNIFER ELROD	Approved by: KURT SIMMONS
Title: SR. REGULATORY ANALYST	Title: NMOC, SANTA FE
E-mail Address: JELROD@CHISHOLMENERGY.COM	Approval Date: 08/24/2021
Date: 03/01/2021	
Phone: 817-953-3728	

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 30-025-45161	² Pool Code 8146	³ Pool Name BUFFALO; BONE SPRING, SOUTHEAST
⁴ Property Code	⁵ Property Name BUFFALO 12-1 FED 2BS COM	⁶ Well Number 5H
⁷ OGRID No. 372137	⁸ Operator Name CHISHOLM ENERGY OPERATING, LLC	⁹ Elevation 3729.6

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
O	12	19 S	33 E		423	SOUTH	1350	EAST	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
1	1	19 S	33 E		73	NORTH	825	EAST	LEA

¹² Dedicated Acres 320	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.

	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. <i>Jennifer Elrod</i> 03/01/2021 Signature Date JENNIFER ELROD Printed Name JELROD@CHISHOLMENERGY.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. JUNE 5, 2020 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Professional Surveyor No. 5705F
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Intent ☒ As Drilled ☐

API # 30-025-45161		
Operator Name: CHISHOLM ENERGY OPERATING, LLC	Property Name: BUFFALO 12-1 FED 2BS COM	Well Number 5H

Kick Off Point (KOP)

UL P	Section 12	Township 19S	Range 33E	Lot	Feet 50	From N/S SOUTH	Feet 829	From E/W EAST	County LEA
Latitude 32.667555					Longitude -103.610745			NAD 83	

First Take Point (FTP)

UL P	Section 12	Township 19S	Range 33E	Lot	Feet 534	From N/S SOUTH	Feet 793	From E/W EAST	County LEA
Latitude 32.66882					Longitude -103.610633			NAD 83	

Last Take Point (LTP)

UL	Section 1	Township 19S	Range 33E	Lot 1	Feet 216	From N/S NORTH	Feet 825	From E/W EAST	County LEA
Latitude 32.696327					Longitude -103.610653			NAD 83	

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

☒ YES

Is this well an infill well?

☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



Chisholm Buffalo 12-1 Fed 2BS Com 5H MWD 0' to 20075' MD Survey Geodetic Report (Def Survey)



Report Date: December 13, 2020 - 06:17 PM
Client: Chisholm
Field: NM Lea County (NAD 83)
Structure / Slot: Chisholm Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed Com 2BS 5H
Well: Buffalo 12-1 Fed 2BS Com 5H
Borehole: Buffalo 12-1 Fed 2BS Com 5H
UWI / API#: Unknown / 30-025-45161
Survey Name: Chisholm Buffalo 12-1 Fed 2BS Com 5H MWD 0' to 20075' MD
Survey Date: November 10, 2020
Tort / AHD / DDI / ERD Ratio: 232.603 ° / 11299.693 ft / 6.734 / 1.162
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 40' 6.97117", W 103° 36' 44.70788"
Location Grid N/E Y/X: N 607722.230 ftUS, E 763177.980 ftUS
CRS Grid Convergence Angle: 0.3891 °
Grid Scale Factor: 0.99996545
Version / Patch: 2.10.824.0

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 359.740 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3755.600 ft above MSL
Seabed / Ground Elevation: 3729.600 ft above MSL
Magnetic Declination: 6.432 °
Total Gravity Field Strength: 998.5107mgn (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48022.991 nT
Magnetic Dip Angle: 60.571 °
Declination Date: November 10, 2020
Magnetic Declination Model: HDGM 2020
North Reference: Grid North
Grid Convergence Used: 0.3891 °
Total Corr Mag North->Grid North: 6.0428 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Surface Location	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	607722.23	763177.98	N 32 40 6.97 W 103 36 44.71	
13-3/8" Casing	190.00	0.52	14.49	190.00	0.83	0.83	0.22	0.27	0.86	14.49	607723.06	763178.20	N 32 40 6.98 W 103 36 44.71	
	374.00	0.52	5.99	373.99	2.47	2.47	0.51	0.04	2.53	11.69	607724.70	763178.49	N 32 40 7.00 W 103 36 44.70	
	464.00	0.73	35.06	463.98	3.34	3.35	0.88	0.42	3.46	14.78	607725.58	763178.86	N 32 40 7.00 W 103 36 44.70	
	557.00	0.65	20.08	556.98	4.32	4.33	1.41	0.21	4.55	17.98	607726.56	763179.39	N 32 40 7.01 W 103 36 44.69	
	727.00	0.45	6.52	726.97	5.89	5.90	1.81	0.14	6.17	17.08	607728.13	763179.79	N 32 40 7.03 W 103 36 44.69	
	819.00	0.53	339.57	818.97	6.65	6.66	1.70	0.26	6.87	14.36	607728.89	763179.68	N 32 40 7.04 W 103 36 44.69	
	909.00	0.39	14.52	908.96	7.34	7.34	1.64	0.34	7.52	12.56	607729.57	763179.62	N 32 40 7.04 W 103 36 44.69	
	1001.00	0.76	359.16	1000.96	8.25	8.26	1.71	0.43	8.43	11.67	607730.49	763179.69	N 32 40 7.05 W 103 36 44.69	
	1093.00	0.36	349.64	1092.95	9.14	9.15	1.64	0.44	9.30	10.19	607731.38	763179.62	N 32 40 7.06 W 103 36 44.69	
	1188.00	0.58	2.68	1187.95	9.92	9.92	1.61	0.26	10.05	9.23	607732.15	763179.59	N 32 40 7.07 W 103 36 44.69	
	1282.00	0.41	51.26	1281.95	10.60	10.61	1.90	0.46	10.78	10.14	607732.84	763179.88	N 32 40 7.08 W 103 36 44.68	
	1376.00	0.13	49.11	1375.95	10.88	10.89	2.24	0.30	11.12	11.63	607733.12	763180.22	N 32 40 7.08 W 103 36 44.68	
	1471.00	0.41	303.14	1470.95	11.14	11.15	2.04	0.49	11.33	10.36	607733.38	763180.02	N 32 40 7.08 W 103 36 44.68	
	1560.00	0.45	292.85	1559.94	11.45	11.46	1.45	0.10	11.55	7.21	607733.69	763179.43	N 32 40 7.08 W 103 36 44.69	
	1615.00	0.33	300.10	1614.94	11.62	11.62	1.11	0.23	11.67	5.46	607733.85	763179.09	N 32 40 7.09 W 103 36 44.69	
	1675.00	0.22	316.46	1674.94	11.79	11.79	0.88	0.23	11.82	4.27	607734.02	763178.86	N 32 40 7.09 W 103 36 44.70	
	1770.00	0.34	1.69	1769.94	12.20	12.21	0.76	0.25	12.23	3.58	607734.44	763178.74	N 32 40 7.09 W 103 36 44.70	
	1864.00	1.84	108.62	1863.93	11.99	12.00	2.20	2.09	12.20	10.40	607734.23	763180.18	N 32 40 7.09 W 103 36 44.68	
	1958.00	2.94	125.85	1957.84	10.08	10.11	5.59	1.39	11.55	28.93	607732.34	763183.57	N 32 40 7.07 W 103 36 44.64	
	2052.00	4.38	124.76	2051.65	6.60	6.65	10.49	1.53	12.42	57.63	607728.88	763188.47	N 32 40 7.04 W 103 36 44.58	
	2147.00	5.78	124.65	2146.27	1.78	1.86	17.41	1.47	17.50	83.89	607724.09	763195.38	N 32 40 6.99 W 103 36 44.50	
	2242.00	5.98	123.74	2240.77	-3.72	-3.61	25.46	0.23	25.71	98.06	607718.62	763203.43	N 32 40 6.93 W 103 36 44.41	
	2336.00	6.23	121.47	2334.24	-9.14	-8.99	33.88	0.37	35.05	104.86	607713.24	763211.86	N 32 40 6.88 W 103 36 44.31	
	2430.00	6.24	120.20	2427.68	-14.41	-14.22	42.64	0.15	44.95	108.44	607708.01	763220.62	N 32 40 6.83 W 103 36 44.21	
	2524.00	6.22	119.64	2521.13	-19.54	-19.31	51.48	0.07	54.99	110.56	607702.92	763229.46	N 32 40 6.78 W 103 36 44.11	
	2619.00	6.37	120.80	2615.56	-24.83	-24.55	60.48	0.21	65.28	112.09	607697.68	763238.46	N 32 40 6.72 W 103 36 44.00	
	2713.00	6.62	118.51	2708.95	-30.13	-29.81	69.72	0.38	75.83	113.15	607692.42	763247.70	N 32 40 6.67 W 103 36 43.89	
	2808.00	6.90	115.12	2803.29	-35.21	-34.85	79.70	0.51	86.99	113.61	607687.39	763257.68	N 32 40 6.62 W 103 36 43.78	
	2903.00	7.05	121.16	2897.59	-40.69	-40.28	89.86	0.79	98.48	114.15	607681.95	763267.84	N 32 40 6.57 W 103 36 43.66	
	2997.00	7.36	126.43	2990.85	-47.30	-46.85	99.64	0.78	110.10	115.18	607675.39	763277.62	N 32 40 6.50 W 103 36 43.55	
	3092.00	7.71	123.79	3085.03	-54.50	-54.05	109.83	0.52	122.39	116.18	607668.23	763287.81	N 32 40 6.43 W 103 36 43.43	
	3186.00	7.13	121.49	3178.24	-61.10	-60.56	120.05	0.69	134.46	116.77	607661.68	763298.02	N 32 40 6.36 W 103 36 43.31	
	3281.00	6.66	118.61	3272.56	-66.86	-66.27	129.91	0.61	145.84	117.03	607655.96	763307.89	N 32 40 6.31 W 103 36 43.19	
	3376.00	6.20	119.95	3366.96	-72.10	-71.47	139.19	0.51	156.47	117.18	607650.76	763317.17	N 32 40 6.25 W 103 36 43.09	
	3471.00	7.15	128.65	3461.32	-78.40	-77.73	148.25	1.46	167.39	117.67	607644.51	763326.23	N 32 40 6.19 W 103 36 42.98	
	3565.00	7.75	130.29	3554.52	-86.19	-85.48	157.66	0.68	179.34	118.47	607638.75	763335.63	N 32 40 6.11 W 103 36 42.87	
	3659.00	7.67	129.77	3647.67	-94.35	-93.59	167.31	0.11	191.71	119.22	607628.64	763345.29	N 32 40 6.03 W 103 36 42.76	
	3754.00	7.74	128.21	3741.81	-102.41	-101.60	177.21	0.23	204.27	119.83	607620.63	763355.19	N 32 40 5.95 W 103 36 42.64	
	3848.00	7.48	127.08	3834.99	-110.06	-109.21	187.07	0.32	216.61	120.28	607613.03	763365.04	N 32 40 5.88 W 103 36 42.53	
	3943.00	7.38	126.72	3929.19	-117.48	-116.58	196.89	0.12	228.82	120.63	607605.65	763374.86	N 32 40 5.80 W 103 36 42.41	
4037.00	7.35	124.59	4022.41	-124.54	-123.61	206.68	0.29	240.82	120.88	607598.63	763384.65	N 32 40 5.73 W 103 36 42.30		
4132.00	7.42	125.08	4116.62	-131.56	-130.58	216.70	0.10	253.01	121.07	607591.65	763394.68	N 32 40 5.66 W 103 36 42.18		
4226.00	7.52	125.49	4209.83	-138.67	-137.64	226.68	0.12	265.20	121.27	607584.59	763404.65	N 32 40 5.59 W 103 36 42.07		
4320.00	7.79	125.60	4302.99	-145.99	-144.92	236.87	0.29	277.68	121.46	607577.31	763414.84	N 32 40 5.52 W 103 36 41.95		
4414.00	7.99	125.24	4396.10	-153.52	-152.40	247.38	0.22	290.56	121.63	607569.84	763425.35	N 32 40 5.45 W 103 36 41.83		
4508.00	8.08	124.38	4489.18	-161.07	-159.90	258.17	0.16	303.68	121.77	607562.34	763436.14	N 32 40 5.37 W 103 36 41.70		
4602.00	6.80	128.61	4582.38	-168.32	-167.10	267.97	1.48	315.80	121.95	607555.13	763445.94	N 32 40 5.30 W 103 36 41.59		
4697.00	6.68	131.39	4676.73	-175.52	-174.27	276.51	0.37	326.84	122.22	607547.97	763454.48	N 32 40 5.23 W 103 36 41.49		
4791.00	6.45	133.74	4770.11	-182.82	-181.53	284.43	0.38	337.42	122.55	607540.71	763462.40	N 32 40 5.16 W 103 36 41.40		
4885.00	6.26	134.93	4863.53	-190.12	-188.80	291.87	0.25	347.61	122.90	607533.44	763469.84	N 32 40 5.08 W 103 36 41.31		
4979.00	6.54	134.59	4956.95	-197.53	-196.18	299.31	0.30	357.87	123.24	607526.06	763477.28	N 32 40 5.01 W 103 36 41.22		
5073.00	7.01	134.04	5050.29	-205.32	-203.92	307.25	0.50	368.76	123.57	607518.31	763485.22	N 32 40 4.93 W 103 36 41.13		
5167.00	7.51	134.60	5143.54	-213.65	-212.22	315.74	0.54	380.44	123.91	607510.01	763493.71	N 32 40 4.85 W 103 36 41.03		
5261.00	7.46	134.60	5236.74	-222.29	-220.82	324.46	0.05	392.48	124.24	607501.42	763502.43	N 32 40 4.76 W 103 36 40.93		
5321.00	7.75	135.08	5296.21	-227.92	-226.42	330.09	0.50	400.29	124.45	607495.82	763508.06	N 32 40 4.71 W 103 36 40.86		
5345.00	7.87	135.26	5319.99	-230.24	-228.74	332.39	0.50	403.49	124.53	607493.50	763510.36	N 32 40 4.69 W 103 36 40.84		
5440.00	7.52	136.37	5414.13	-239.40	-237.86	341.26	0.40	415.97	124.88	607484.38	763519.23	N 32 40 4.59 W 103 36 40.73		
5535.00	7.03	137.56	5508.37	-248.23	-246.65	349.47	0.54	427.75	125.21	607475.59	763527.44	N 32 40 4.51 W 103 36 40.64		
5629.00	6.74	140.00	5601.69	-256.73	-255.12	356.90	0.44	438.71	125.56	607467.12	763534.87	N 32 40 4.42 W 103 36 40.55		
5723.00	6.62	141.36	5695.05	-265.22	-263.57	363.83	0.21	449.27	125.92	607458.67	763541.80	N 32 40 4.34 W 103 36 40.47		
5818.00	5.47	127.77	5789.52	-272.30	-270.62	370.83	1.92	459.08	126.12	607451.62	763548.80	N 32 40 4.27 W 103 36 40.39		
5912.00	4.94	111.71	5883.14	-276.58	-274.87	378.13	1.64	467.48	126.01	607447.37	763556.10	N 32 40 4.23 W 103 36 40.31		
6007.00	4.65	111.05	5977.81	-279.51	-277.76	385.53	0.31	475.17	125.77	607444.48	763563.49	N 32 40 4.20 W 103 36 40.22		
6101.00	4.73	111.94	6071.49	-282.36	-280.58	392.68	0.12	482.62	125.55	607441.66	763570.64	N 32 40 4.17 W 103 36 40.14		
6196.00	4.43	115.08	6163.41	-285.19	-283.63	400.43	0.90	492.41	125.36	60743				

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northings (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	8935.00	1.89	243.25	8899.46	-379.98	-377.63	518.56	0.09	641.49	126.06	607344.62	763696.53	N 32.40 3.20 W 103.36 38.67	
	8999.00	2.04	241.71	8902.42	-378.64	-376.29	518.56	0.09	641.49	126.06	607344.62	763696.53	N 32.40 3.19 W 103.36 38.69	
	9079.00	1.46	12.78	9043.40	-380.66	-378.32	515.59	3.99	639.50	126.27	607343.92	763693.55	N 32.40 3.19 W 103.36 38.71	
	9126.00	5.00	26.00	9090.32	-378.24	-375.90	516.62	7.65	638.90	126.04	607346.35	763694.58	N 32.40 3.22 W 103.36 38.69	
	9174.00	10.38	5.91	9137.88	-372.06	-369.71	517.98	12.37	636.39	125.52	607352.53	763695.95	N 32.40 3.28 W 103.36 38.68	
	9268.00	19.42	9.75	9228.63	-348.20	-345.84	521.51	9.67	625.76	123.55	607376.41	763699.47	N 32.40 3.51 W 103.36 38.63	
	9315.00	23.27	9.27	9272.39	-331.34	-328.97	524.33	8.20	618.98	122.10	607393.28	763702.29	N 32.40 3.68 W 103.36 38.60	
	9363.00	24.85	9.06	9316.22	-312.04	-309.65	527.45	3.30	611.62	120.42	607412.59	763705.41	N 32.40 3.87 W 103.36 38.56	
	9410.00	27.96	8.60	9358.31	-291.40	-289.00	530.65	6.63	604.24	118.57	607433.24	763708.61	N 32.40 4.08 W 103.36 38.52	
	9457.00	31.63	7.57	9399.09	-268.30	-265.88	533.92	7.88	596.46	116.47	607456.36	763711.88	N 32.40 4.30 W 103.36 38.48	
	9504.00	34.88	11.72	9438.40	-242.93	-240.49	538.28	8.44	589.56	114.07	607481.75	763716.24	N 32.40 4.56 W 103.36 38.43	
	9525.00	35.20	11.17	9455.59	-231.13	-228.67	540.67	2.14	587.04	112.93	607493.56	763718.63	N 32.40 4.67 W 103.36 38.40	
	9552.00	36.27	11.77	9477.51	-215.69	-213.22	543.81	4.17	584.11	111.41	607509.02	763721.77	N 32.40 4.82 W 103.36 38.36	
	9647.00	48.92	2.90	9547.36	-152.14	-149.64	551.39	14.71	571.33	105.18	607572.60	763729.35	N 32.40 5.45 W 103.36 38.27	
	9742.00	60.83	358.39	9601.94	-74.62	-72.11	552.04	13.12	556.73	97.44	607650.12	763730.00	N 32.40 6.22 W 103.36 38.26	
	9789.00	64.81	358.24	9623.41	-32.83	-30.33	550.81	8.47	551.64	93.15	607691.90	763728.77	N 32.40 6.63 W 103.36 38.27	
	9836.00	71.37	358.66	9640.94	10.74	13.24	549.63	13.98	549.79	88.62	607735.47	763727.59	N 32.40 7.07 W 103.36 38.28	
	9868.00	74.28	359.38	9650.38	41.31	43.80	549.11	9.34	550.85	85.44	607796.03	763727.07	N 32.40 7.37 W 103.36 38.28	
	9899.00	76.01	359.88	9658.33	71.27	73.76	548.92	5.79	553.85	82.35	607795.99	763726.88	N 32.40 7.66 W 103.36 38.28	
	9931.00	74.70	1.31	9666.42	102.23	104.72	549.24	5.95	559.13	79.21	607826.95	763727.20	N 32.40 7.97 W 103.36 38.27	
	9962.00	70.97	0.67	9675.57	131.81	134.31	550.36	13.20	566.52	76.29	607856.54	763728.32	N 32.40 8.26 W 103.36 38.26	
	10025.00	67.80	5.14	9697.75	190.60	193.12	554.57	5.90	587.23	70.80	607915.34	763732.53	N 32.40 8.84 W 103.36 38.21	
	10120.00	83.14	357.33	9721.55	282.18	284.71	556.33	17.99	624.95	62.90	608006.93	763734.29	N 32.40 9.75 W 103.36 38.18	
	10169.00	88.67	354.21	9725.05	330.91	333.42	552.72	12.95	645.50	58.90	608055.64	763730.68	N 32.40 10.23 W 103.36 38.22	
	10214.00	91.37	353.96	9725.03	375.69	378.18	548.08	6.03	665.90	55.39	608100.40	763726.04	N 32.40 10.68 W 103.36 38.27	
	10291.00	93.72	354.32	9721.61	452.24	454.70	540.23	3.09	706.11	49.91	608176.91	763718.19	N 32.40 11.43 W 103.36 38.35	
	10385.00	92.80	358.07	9715.33	548.13	552.11	542.13	1.54	763.93	44.15	608270.34	763710.07	N 32.40 12.36 W 103.36 38.44	
	10480.00	93.45	357.86	9709.19	640.38	642.78	526.83	2.28	831.09	39.34	608364.99	763704.79	N 32.40 13.30 W 103.36 38.49	
	10575.00	93.40	358.31	9703.52	735.17	737.56	523.66	0.48	904.55	35.37	608459.76	763701.62	N 32.40 14.23 W 103.36 38.52	
	10669.00	93.46	357.82	9697.89	828.97	831.34	520.49	0.52	980.83	32.05	608553.54	763698.45	N 32.40 15.16 W 103.36 38.55	
	10764.00	93.39	358.25	9692.22	923.75	926.11	517.24	0.46	1060.76	29.18	608648.31	763695.20	N 32.40 16.10 W 103.36 38.58	
	10859.00	93.29	359.03	9686.68	1018.57	1020.92	514.99	0.83	1143.46	26.77	608743.11	763692.95	N 32.40 17.04 W 103.36 38.60	
	10953.00	93.75	359.20	9680.91	1114.73	1114.73	513.54	0.52	1227.34	24.73	608836.92	763691.50	N 32.40 17.97 W 103.36 38.61	
	11048.00	93.38	359.49	9675.01	1207.20	1209.54	512.46	0.49	1313.62	22.96	608931.73	763690.42	N 32.40 18.90 W 103.36 38.62	
	11143.00	93.80	359.07	9669.88	1302.05	1304.38	510.45	1.61	1400.70	21.37	609026.56	763689.40	N 32.40 19.84 W 103.36 38.63	
	11237.00	93.25	358.23	9664.92	1395.88	1398.20	507.41	0.51	1487.42	19.95	609120.38	763685.37	N 32.40 20.77 W 103.36 38.66	
	11332.00	93.49	359.61	9659.34	1490.71	1493.02	505.62	1.47	1576.31	18.71	609215.19	763683.58	N 32.40 21.71 W 103.36 38.67	
	11427.00	93.50	0.47	9653.55	1585.53	1587.84	505.69	0.90	1666.42	17.67	609310.01	763683.65	N 32.40 22.65 W 103.36 38.67	
	11522.00	93.76	0.07	9647.53	1680.33	1682.65	506.13	0.50	1757.12	16.74	609404.82	763684.09	N 32.40 23.59 W 103.36 38.65	
	11617.00	92.84	0.67	9642.06	1775.17	1777.49	506.75	1.16	1848.31	15.91	609499.65	763684.71	N 32.40 24.52 W 103.36 38.64	
	11712.00	92.23	359.05	9637.86	1870.37	1872.39	506.51	1.82	1939.69	15.14	609594.55	763684.47	N 32.40 25.46 W 103.36 38.63	
	11807.00	91.80	358.96	9634.52	1965.00	1967.32	504.86	0.46	2031.06	14.39	609689.47	763682.83	N 32.40 26.40 W 103.36 38.65	
	11902.00	92.33	0.17	9631.10	2059.94	2062.25	504.14	1.39	2122.98	13.74	609784.40	763682.11	N 32.40 27.34 W 103.36 38.65	
	11996.00	92.13	0.66	9627.94	2153.86	2156.17	504.82	0.56	2214.46	12.97	609879.36	763682.79	N 32.40 28.27 W 103.36 38.63	
	12091.00	92.20	0.45	9623.85	2248.78	2251.10	505.74	0.23	2307.21	12.66	609973.25	763683.70	N 32.40 29.21 W 103.36 38.61	
	12185.00	92.24	0.68	9620.21	2342.70	2345.03	506.67	0.25	2399.14	12.19	610067.17	763684.63	N 32.40 30.14 W 103.36 38.59	
	12280.00	92.03	0.60	9616.67	2437.63	2439.96	507.73	0.24	2492.22	11.75	610162.10	763685.69	N 32.40 31.08 W 103.36 38.57	
	12374.00	91.99	0.63	9613.37	2531.56	2533.89	508.74	0.05	2584.46	11.35	610256.03	763686.70	N 32.40 32.01 W 103.36 38.56	
	12468.00	91.79	359.46	9610.27	2625.50	2627.84	508.81	1.26	2676.65	10.96	610349.97	763686.77	N 32.40 32.94 W 103.36 38.55	
	12562.00	91.73	0.33	9607.39	2719.46	2721.79	508.84	0.93	2768.91	10.59	610443.92	763686.60	N 32.40 33.87 W 103.36 38.54	
	12656.00	91.61	359.92	9604.65	2813.42	2815.75	508.84	0.45	2861.36	10.24	610537.88	763686.81	N 32.40 34.80 W 103.36 38.53	
	12751.00	91.66	0.13	9601.94	2908.38	2910.71	509.88	0.23	2954.86	9.92	610632.84	763686.85	N 32.40 35.74 W 103.36 38.52	
	12846.00	90.68	0.08	9600.30	3003.35	3005.69	509.06	1.03	3048.50	9.61	610727.81	763687.02	N 32.40 36.68 W 103.36 38.51	
	12940.00	90.69	0.25	9598.87	3097.34	3099.69	509.33	0.18	3141.25	9.33	610821.80	763687.29	N 32.40 37.61 W 103.36 38.50	
	13035.00	90.79	0.25	9597.65	3192.33	3194.68	509.75	0.11	3235.09	9.07	610916.79	763687.71	N 32.40 38.55 W 103.36 38.49	
	13129.00	90.72	0.43	9596.41	3286.32	3288.67	510.30	0.21	3328.02	8.82	611010.78	763688.26	N 32.40 39.48 W 103.36 38.48	
	13224.00	90.82	359.65	9595.13	3381.31	3383.66	510.37	0.83	3421.93	8.58	611105.76	763688.33	N 32.40 40.42 W 103.36 38.47	
	13318.00	91.02	359.65	9593.62	3475.30	3477.64	509.80	0.21	3514.81	8.34	611199.75	763687.76	N 32.40 41.35 W 103.36 38.47	
	13412.00	90.51	359.62	9592.37	3569.29	3571.63	509.20	0.54	3607.75	8.11	611293.73	763687.16	N 32.40 42.28 W 103.36 38.47	
	13507.00	90.93	359.88	9590.17	3664.28	3666.63	508.78	0.52	3701.76	7.87	611388.72	763686.74	N 32.40 43.21 W 103.36 38.46	
	13602.00	91.58	0.02	9589.09	3759.25	3761.60	508.70	1.70	3795.84	7.70	611483.69	763686.66	N 32.40 44.16 W 103.36 38.46	
	13696.00	90.65	359.35	9587.26	3853.24	3855.58	508.18	1.22	3888.93	7.51	611577.67	763686.14	N 32.40 45.08 W 103.36 38.46	
	13791.00	91.13	0.13	9585.79	3948.22	3950.57	507.75	0.96	3983.06	7.32	611672.65	763685.71	N 32.40 46.02 W 103.36 38.45	
	13886.00	90.89	0.52	9584.11	4043.20	4045.55	508.29	0.48	4077.36	7.16	611767.63	763686.25	N 32.40 46.96 W 103.36 38.44	
	13980.00	90.64	0.46	9582.86	4137.19	4139.54	509.09	0.27	4170.73	7.01	611861.62	763687.06	N 32.40 47.89 W 103.36 38.42	
	14075.00	90.76	359.53	9581.70	4232.18	4234.53	509.09	0.99	4265.02	6.86	611956.61	763687.05	N 32.40 48.83 W 103.36 38.42	
	14169.00	91.86	0.03	9579.55	4326.15	4328.49	508.72	1.29	4358.30	6.57	612050.58	763686.69	N 32.40 49.76 W 103.36 38.41	
	14264.00	91.24	0.86	9										

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Closure (ft)	Closure Azimuth (°)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	19838.00	90.92	0.38	9489.11	9993.43	9995.89	474.57	0.09	10006.95	2.72	617717.55	763652.54	N 32 41 45.84	W 103 36 38.36
	19932.00	90.96	0.45	9487.57	10087.41	10089.67	475.25	0.09	10100.86	2.70	617811.53	763653.22	N 32 41 46.77	W 103 36 38.34
	20027.00	91.00	0.78	9485.94	10182.39	10184.65	476.27	0.35	10195.79	2.68	617906.51	763654.24	N 32 41 47.71	W 103 36 38.33
Last Survey	20049.00	91.00	0.99	9485.56	10204.38	10206.65	476.61	0.95	10217.77	2.67	617928.50	763654.58	N 32 41 47.93	W 103 36 38.32
Projection to Bit	20075.00	91.00	0.99	9485.11	10230.37	10232.64	477.06	0.00	10243.75	2.67	617954.50	763655.02	N 32 41 48.18	W 103 36 38.31

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	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS Com 5H MWD 0' to 20075' MD
	1	26.000	26.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS Com 5H MWD 0' to 20075' MD
	1	26.000	1615.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS
	1	1615.000	5321.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS
	1	5321.000	10255.000	Act Stns	8.750	5.500	NAL_MWD_1.0_DEG	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS
	1	10255.000	20075.000	Act Stns	8.500	5.000	NAL_MWD_1.0_DEG	Buffalo 12-1 Fed 2BS Com 5H / Chisholm Buffalo 12-1 Fed 2BS

Well Name: BUFFALO 12-1 FED COM 2BS	Well Location: T19S / R33E / SEC 12 / LOT P / 32.6686574 / -103.6122237	County or Parish/State: LEA / NM
Well Number: 5H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM4312	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254516100X1	Well Status: Approved Application for Permit to Drill	Operator: CHISHOLM ENERGY OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 01/19/2021	Time Sundry Submitted: 09:32
Date Operation Actually Began: 12/14/2020	

Actual Procedure: 12/14/2020-PBTD@20,048'MD -RUN CBL W/EST TOC @ 5110' 12/15/2020-PRESSURE TEST 5.5" PROD CSG TO 9900 PSI, 30 MIN, GOOD TEST -PERFORATE STAGE 1 @ 20027'-19864'MD 12/18-01/06/2021-PERFORATE STAGES 2-56@ 19847'-9964'MD -FRACTURE ALL 56 STAGES W/1707 BBLS HCI + 510781 BBLS SW W/14408537# 100 MESH + 7829619# 40/70 SAND 01/11-01/14/2021-DRILLOUT 01/15/2021-WELL TURNED OVER TO PRODUCTION 01/18/2021-WELL TURNED TO FLOWBACK *REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM APPROVED FROM 3160-4*

Received by OCD: 6/15/2021 3:15:40 PM

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Well Name: BUFFALO 12-1 FED COM 2BS	Well Location: T19S / R33E / SEC 12 / LOT P / 32.6686574 / -103.6122237	County or Parish/State: LEA / NM
Well Number: 5H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM4312	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254516100X1	Well Status: Approved Application for Permit to Drill	Operator: CHISHOLM ENERGY OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: ELROD	Signed on: JAN 19, 2021 09:31 AM
Name: CHISHOLM ENERGY OPERATING LLC	
Title: Senior Regulatory Technician	
Street Address: 801 CHERRY STREET SUITE 1200 UNIT 20	
City: FORT WORTH	State: TX
Phone: (817) 953-6063	
Email address: info@chisholmenergy.com	

Field Representative

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: 01/20/2021
Signature: Jonathon Shepard	

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. 30-025-45161 2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN 3. State Oil & Gas Lease No. Temp Comp until BLM Approved Equivalent is available		
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 BUFFALO 12-1 FED 2BS COM 6. Well Number: 5H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator CHISHOLM ENERGY OPERATING, LLC						9. OGRID 372137				
10. Address of Operator 801 CHERRY STREET, SUITE 1200-UNIT 20 FORT WORTH, TX 76102						11. Pool name or Wildcat BUFFALO; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	12	19S	33E		423	SOUTH	1350	EAST	LEA
BH:		1	19S	33E	1	73	NORTH	825	EAST	LEA
13. Date Spudded 11/11/2020	14. Date T.D. Reached 12/07/2020		15. Date Rig Released 12/09/2020			16. Date Completed (Ready to Produce) 01/18/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3730 GR		
18. Total Measured Depth of Well 20075' MD/9485' TVD			19. Plug Back Measured Depth 20048' MD/9485' TVD			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA; MWD; CBL		
22. Producing Interval(s), of this completion - Top, Bottom, Name 20027'-9964' BUFFALO; BONE SPRING										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.5# J-55		1601'		17.5"		1244 sxs, Class C		0
9.625"		40# J-55		5320'		12.25"		1913sxs, Class C		0
5.5"		20# P-110		20052'		8.75"		2330 sxs, Class H		0
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD					
					SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number) 20027'-9964' MD; 0.42", 2240 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					20027'-9964'		1707 bbls HCl + 510781 bbls SW w/14408537# 100 Mesh			
							+ 7829619# 40/70 Sand			
28. PRODUCTION										
Date First Production 01/19/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod				
Date of Test 02/02/2021	Hours Tested 24	Choke Size 64/64	Prod'n For Test Period	Oil - Bbl 946	Gas - MCF 788	Water - Bbl. 3278	Gas - Oil Ratio 833			
Flow Tubing Press. 0	Casing Pressure 215	Calculated 24-Hour Rate	Oil - Bbl. 946	Gas - MCF 788	Water - Bbl. 3278	Oil Gravity - API - (Corr.) 42				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold							30. Test Witnessed By A&W Flowback			
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>Jennifer Elrod</i>		Printed Name Jennifer Elrod		Title Sr. Reg Analyst		Date 03/01/2021				
E-mail Address jelrod@chisholmenergy.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 Rustler-1581' TVD	T. Canyon	T. Ojo Alamo	T. Penn A "
T. Salt Salado-1882' TVD	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 3757' TVD	T. Devonian	T. Cliff House	T. Leadville
T. Queen 4356' TVD	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 6386' TVD	T. Morrison	
T. Drinkard	T. Bone Springs 7867' TVD	T. Todilto	
T. Abo	T. 1st Bone Spring SS 9121' TVD	T. Entrada	
T. Wolfcamp	T. 2nd Bone Spring SS 9638' TVD	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

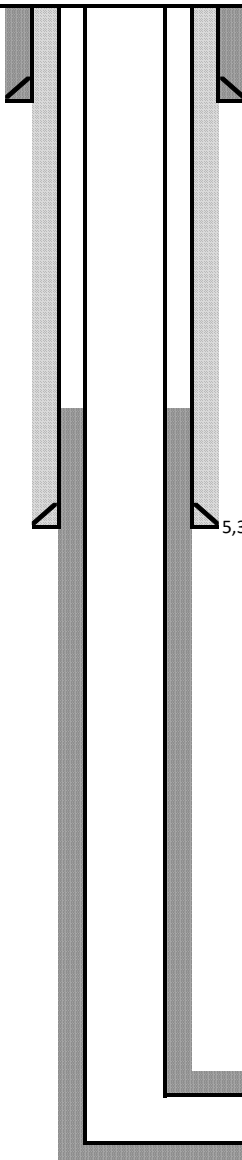
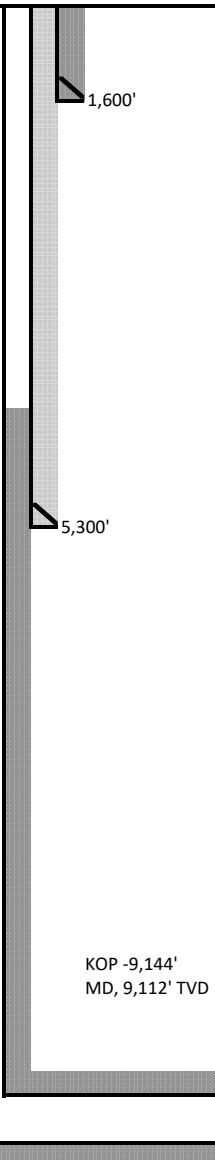
No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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

TVD <i>ft-RKB</i>	Geological Tops	Wellbore Sketch		Hole Size	Casing	Drilling Fluids	Cement	OH Evaluation/Logs
2,000'	1,586 Rustler 1,887 Salado			17-1/2"	Surface 13-3/8" 54.5# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 38 - 40 Vis 8 - 10 PV 8 - 10 YP	Top of Lead: Surface 12.8 ppg 1.94 cuft/sk 790 sks - 100% XS Top of Tail: 980' 14.8 ppg 1.33 cuft/sk 454sks - 100% XS	NA
3,000'				12-1/4"	Intermediate 9-5/8" 40# J55 LTC	Brine 9.8 - 10.2 ppg 28 - 32 Vis 1 - 3 PV 1 - 3 YP	Top of Lead: Surface 11.5 ppg 2.79 cuft/sk 1,290 sks - 200% XS Top of Tail: 3,478' 14.8 ppg 1.25 cuft/sk 623 sks - 200% XS	NA
4,000'	3,762 7 Rivers 4,361 Queen			8-3/4" to KOP & Curve 8-1/2" Lateral	Production 5-1/2" 20# P110 BTC	Curve & Lateral OBM 9.3 - 9.8 ppg 15 - 20 PV 8 - 12 YP	Top of Lead: 5,110' 11.3 ppg 2.8 cuft/sk 510 sks - 10% XS Top of Tail: 9,500' 13.2 ppg 1.46 cuft/sk 1,820 sks - 10% XS	GR from Under Intermediate to TD
5,000'								
6,000'	6,391 Delaware Mtn Grp							
7,000'								
8,000'	7,872 Bone Spring							
9,000'	9,126 1st BS SS							
	9,643 2nd BS SS							
10,000'								
	10,561 3rd BS SS 10,791 Wolfcamp							
11,000'								
PERFORATIONS @ 9,964'-20,027' MD (9,677'-9,468' TVD)								
								PBTD @ 20,048'MD 9,485'TVD
								20,075'TD 9,485'TVD

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM4312

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BUFFALO 12-1 FED 2BS COM 5H9. API Well No.
30-025-45161-00-X110. Field and Pool or Exploratory Area
BUFFALO11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: JENNIFER ELROD

CHISHOLM ENERGY OPERATING LLC Mail: JELROD@CHISHOLMENERGY.COM

3a. Address

801 CHERRY STREET SUITE 1200 UNIT 20
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 817-953-3728

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

Sec 12 T19S R33E 423FSL 1350FEL
32.668659 N Lat, 103.612221 W Lon

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	Well Spud	
	☐ 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 recomplate 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 recomplate 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 determined that the site is ready for final inspection.

WELL SPUD

11/10/2020-NOTIFIED BLM OF INTENT TO SPUD

11/11/2020-SPUD WELL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #537195 verified by the BLM Well Information System
For CHISHOLM ENERGY OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/16/2020 (21PP0506SE)

Name (Printed/Typed) JENNIFER ELROD

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/13/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By **ACCEPTED**JONATHON SHEPARD
Title PETROELUM ENGINEER

Date 12/17/2020

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #537195

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SPUD SR	SPUD SR
Lease:	NMNM4312	NMNM4312
Agreement:		
Operator:	CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET SUITE 1200-UNIT 20 FORT WORTH, TX 76102 Ph: 817-953-3728	CHISHOLM ENERGY OPERATING LLC 801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102 Ph: 817 953 6063
Admin Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Tech Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	BUFFALO; BONE SPRING, SE	BUFFALO
Well/Facility:	BUFFALO 12-1 2BS FED COM 5H Sec 12 T19S R33E Mer NMP 423FSL 1350FEL 32.668603 N Lat, 103.612419 W Lon	BUFFALO 12-1 FED 2BS COM 5H Sec 12 T19S R33E 423FSL 1350FEL 32.668659 N Lat, 103.612221 W Lon

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM4312

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BUFFALO 12-1 FED 2BS COM 5H9. API Well No.
30-025-45161-00-X110. Field and Pool or Exploratory Area
BUFFALO11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: JENNIFER ELROD

CHISHOLM ENERGY OPERATING LLC Mail: JELROD@CHISHOLMENERGY.COM

3a. Address

801 CHERRY STREET SUITE 1200 UNIT 20
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 817-953-3728

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

Sec 12 T19S R33E 423FSL 1350FEL
32.668659 N Lat, 103.612221 W Lon**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	Drilling Operations	
	☐ 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 determined that the site is ready for final inspection.

SURF/INT CASING SUNDRY

11/11/2020-SPUD WELL

11/12/2020-DRILL 17.5" SURF HOLE TO 1615'MD

-NOTIFIED BLM ON RUNNING AND CEMENTING 13.375" SURF CSG

11/12/11/13/2020-RUN 37 JTS OF 13.375", 54.5#, J-55 CSG SET @ 1601'MD

11/13/2020-CMNT 13.375" SURF CSG W/273 BBLs (790 SXS) CLASS C LEAD CMNT @ 1.94 YIELD FOLLOWED BY 130 BBLs (454 SXS) CLASS C TAIL CMNT @ 1.34 YIELD W/120 BBLs (347 SXS) CMNT CIRCULATED TO SURFACE

-WOC 8 HOURS

-NOTIFIED BLM ON TESTING BOP

-TEST BOP, CHOKE VALVES, KILL LINE VALVES, FLOOR VALVES; 250 LOW/5000 HIGH, 10 MIN EA. TEST, ALL GOOD TEST; TEST ANNULAR 250 LOW/3500 HIGH, 10 MIN, GOOD TEST.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #538237 verified by the BLM Well Information System**For CHISHOLM ENERGY OPERATING LLC, sent to the Hobbs****Committed to AFMSS for processing by PRISCILLA PEREZ on 11/30/2020 (21PP0621SE)**

Name (Printed/Typed) JENNIFER ELROD

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJONATHON SHEPARD
Title PETROELUM ENGINEER

Date 12/17/2020

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #538237 that would not fit on the form

32. Additional remarks, continued

11/14/2020-TEST 13.375" SURF CSG 1500 PSI, 30 MIN, GOOD TEST

11/15/2020-DRILL 12.25" INT HOLE TO 5340'MD

11/16/2020-NOTIFIED BLM ON RUNNING AND CEMENTING 9.675" INT. CSG

-RUN 127 JTS OF 9.625", 40#, J-55 CSG SET @ 5320'MD

-CMNT 9.625" INT CSG W/641 BBLS (1290 SXS) CLASS C LEAD CMNT @ 2.79 YIELD FOLLOWED BY 87 BBLS (623 SXS) CLASS C TAIL CMNT @ 1.25 YIELD W/ 310 BBLS (623 SXS) CMNT CIRCULATED TO SURFACE.

11/16-11/17/2020-WOC 8 HOURS

11/17/2020-TEST 9.625" INT CSG TO 1500 PSI, 30 MIN, GOOD TEST

Revisions to Operator-Submitted EC Data for Sundry Notice #538237

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM4312	NMNM4312
Agreement:		
Operator:	CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET SUITE 1200-UNIT 20 FORT WORTH, TX 76102 Ph: 817-953-3728	CHISHOLM ENERGY OPERATING LLC 801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102 Ph: 817 953 6063
Admin Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Tech Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	BUFFALO; BONE SPRING, SE	BUFFALO
Well/Facility:	BUFFALO 12-1 2BS FED COM 5H Sec 12 T19S R33E Mer NMP 423FSL 1350FEL 32.668603 N Lat, 103.612419 W Lon	BUFFALO 12-1 FED 2BS COM 5H Sec 12 T19S R33E 423FSL 1350FEL 32.668659 N Lat, 103.612221 W Lon

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.
NMNM4312

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BUFFALO 12-1 FED 2BS COM 5H9. API Well No.
30-025-45161-00-X110. Field and Pool or Exploratory Area
BUFFALO11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Contact: JENNIFER ELROD

CHISHOLM ENERGY OPERATING LLC Mail: JELROD@CHISHOLMENERGY.COM

3a. Address

801 CHERRY STREET SUITE 1200 UNIT 20
FORT WORTH, TX 76102

3b. Phone No. (include area code)

Ph: 817-953-3728

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

Sec 12 T19S R33E 423FSL 1350FEL
32.668659 N Lat, 103.612221 W Lon

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	Drilling Operations
	☐ 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 determined that the site is ready for final inspection.

PROD CSG/RIG RELEASE SUNDRY

12/07/2020-DRILLED 8.75" PROD HOLE TO 20,075' TD

12/08/2020-NOTIFIED BLM (C.PRUITT)ON RUNNING 5.5" PROD CSG

12/08-12/09/2020- NOTIFIED BLM (P. FLOWERS) OF CEMENTING 5.5" PROD CSG.

-RUN 464 JTS OF 5.5", 20#, P-110 PROD CSG SET @ 20052'MD

12/09/2020-PUMP 254 BBLS (510 SXS) CLASS H LEAD CMNT @ 2.8 YIELD FOLLOWED BY 473 BBLS (1820 SXS)
CLASS H TAIL CMNT @ 1.46 YIELD; FULL RETURNS THROUGHOUT THE JOB. NO CMNT CIRCULATED TO SURFACE.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #540498 verified by the BLM Well Information System
For CHISHOLM ENERGY OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/11/2020 (21PP0835SE)

Name (Printed/Typed) JENNIFER ELROD

Title SR. REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/11/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By **ACCEPTED**JONATHON SHEPARD
Title PETROELUM ENGINEER

Date 12/17/2020

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 Hobbs

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #540498 that would not fit on the form

32. Additional remarks, continued

EST. TOC @ 4300'MD

-RIG RELEASED @ 24:00 HOURS

-CBL & PRESSURE TEST WILL BE CONDUCTED PRIOR TO COMPLETIONS OPERATIONS.

Revisions to Operator-Submitted EC Data for Sundry Notice #540498

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM4312	NMNM4312
Agreement:		
Operator:	CHISHOLM ENERGY OPERATING, LLC 801 CHERRY STREET SUITE 1200-UNIT 20 FORT WORTH, TX 76102 Ph: 817-953-3728	CHISHOLM ENERGY OPERATING LLC 801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102 Ph: 817 953 6063
Admin Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Tech Contact:	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: jelrod@chisholmenergy.com Cell: 940-452-6214 Ph: 817-953-3728	JENNIFER ELROD SR. REGULATORY ANALYST E-Mail: JELROD@CHISHOLMENERGY.COM Cell: 940-452-6214 Ph: 817-953-3728
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	BUFFALO; BONE SPRING, SE	BUFFALO
Well/Facility:	BUFFALO 12-1 2BS FED COM 5H Sec 12 T19S R33E Mer NMP 423FSL 1350FEL 32.668603 N Lat, 103.612419 W Lon	BUFFALO 12-1 FED 2BS COM 5H Sec 12 T19S R33E 423FSL 1350FEL 32.668659 N Lat, 103.612221 W Lon

Well Name: BUFFALO 12-1 FED COM 2BS	Well Location: T19S / R33E / SEC 12 / LOT P / 32.6686574 / -103.6122237	County or Parish/State: LEA / NM
Well Number: 5H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM4312	Unit or CA Name:	Unit or CA Number:
US Well Number: 300254516100X1	Well Status: Approved Application for Permit to Drill	Operator: CHISHOLM ENERGY OPERATING LLC

Notification

Type of Submission:	Notification	Type of Action:	First Production				
Date Sundry Submitted:	Jan 20, 2021	Time Sundry Submitted:	1:20:13 PM				
First Production Date:	Jan 20, 2021	<table><tr><th>Wellbore Code</th><th>Completion Code</th></tr><tr><td>00</td><td>X1</td></tr></table>		Wellbore Code	Completion Code	00	X1
Wellbore Code	Completion Code						
00	X1						
US Well Number:	3002545161						
First Production Remarks:	First Oil Production 01/19/2021						

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 32150

ACKNOWLEDGMENTS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 32150
	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.

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

CONDITIONS

Action 32150

CONDITIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 32150
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/24/2021