

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 ResourcesForm C-104
Revised August 1, 2011Oil 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 Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-46484	⁵ Pool Name WC-025 G-09 S263504N; WOLFCAMP	⁶ Pool Code 98117
⁷ Property Code 326318	⁸ Property Name CHARLIE MURPHY 6 TB FED COM	⁹ Well Number 14H

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
A	6	26S	35E		272	NORTH	1171	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
P	7	26S	35E		101	SOUTH	1313	EAST	LEA
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

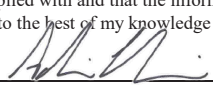
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
16587	ORYX ENERGY CO	O
24650	TARGA MIDSTREAM SERVICES LLC	G

IV. Well Completion Data

²¹ Spud Date 12/17/2019	²² Ready Date 5/17/2020	²³ TD 22647' / 12518'	²⁴ PBTB 17129' / 12447'	²⁵ Perforations 17852' - 18674'	²⁶ DHC, MC DHC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13-3/8", 54.5#, J55, STC	1171'	1175		
9-7/8"	7-5/8", 29.7#, P110, BTC	11848'	675		
6-1/8"	5-1/5", 23#, P110, TWL	17175'	510		
	2-3/8" Tubing	Set 12279'			

V. Well Test Data

³¹ Date New Oil 9/4/2020	³² Gas Delivery Date 9/4/2020	³³ Test Date 9/19/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 180	³⁶ Csg. Pressure 1046
³⁷ Choke Size 64	³⁸ Oil 196	³⁹ Water 284	⁴⁰ Gas 241		⁴¹ Test Method Gas Lift
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: Adrian Covarrubias			Approved by: KURT SIMMONS		
Title: Regulatory Professional			Title: NMOCD, SANTA FE		
E-mail Address: acovarrubias@marathonoil.com			Approval Date: 09/20/2021		
Date: 9/14/2021		Phone: 713-296-3368			

DISTRICT I1685 N. French Dr., Hobbs, NM 88240
Phone (575) 393-8161 Fax: (575) 393-0720**DISTRICT II**811 S. First St., Artesia, NM 88210
Phone (575) 742-1222 Fax: (575) 742-0720**DISTRICT III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170**DISTRICT IV**1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3450 Fax: (505) 476-3450**State of New Mexico**
Energy, Minerals and Natural Resources Department

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office**OIL CONSERVATION DIVISION**1226 South St. Francis Dr.
Santa Fe, New Mexico 87505**WELL LOCATION AND ACREAGE DEDICATION PLAT****XAMENDED REPORT**
AS DRILLED

API Number 30-025-44848	Pool Code 97895	Pool Name WC-025 G08 S213304D; BONE SPRING
Property Code 321440	Property Name MINIS 1 FED COM 3BS	Well Number 5H
OGRID No. 372137	Operator Name CHISHOLM ENERGY OPERATING, LLC	Elevation 3702'

Surface Location

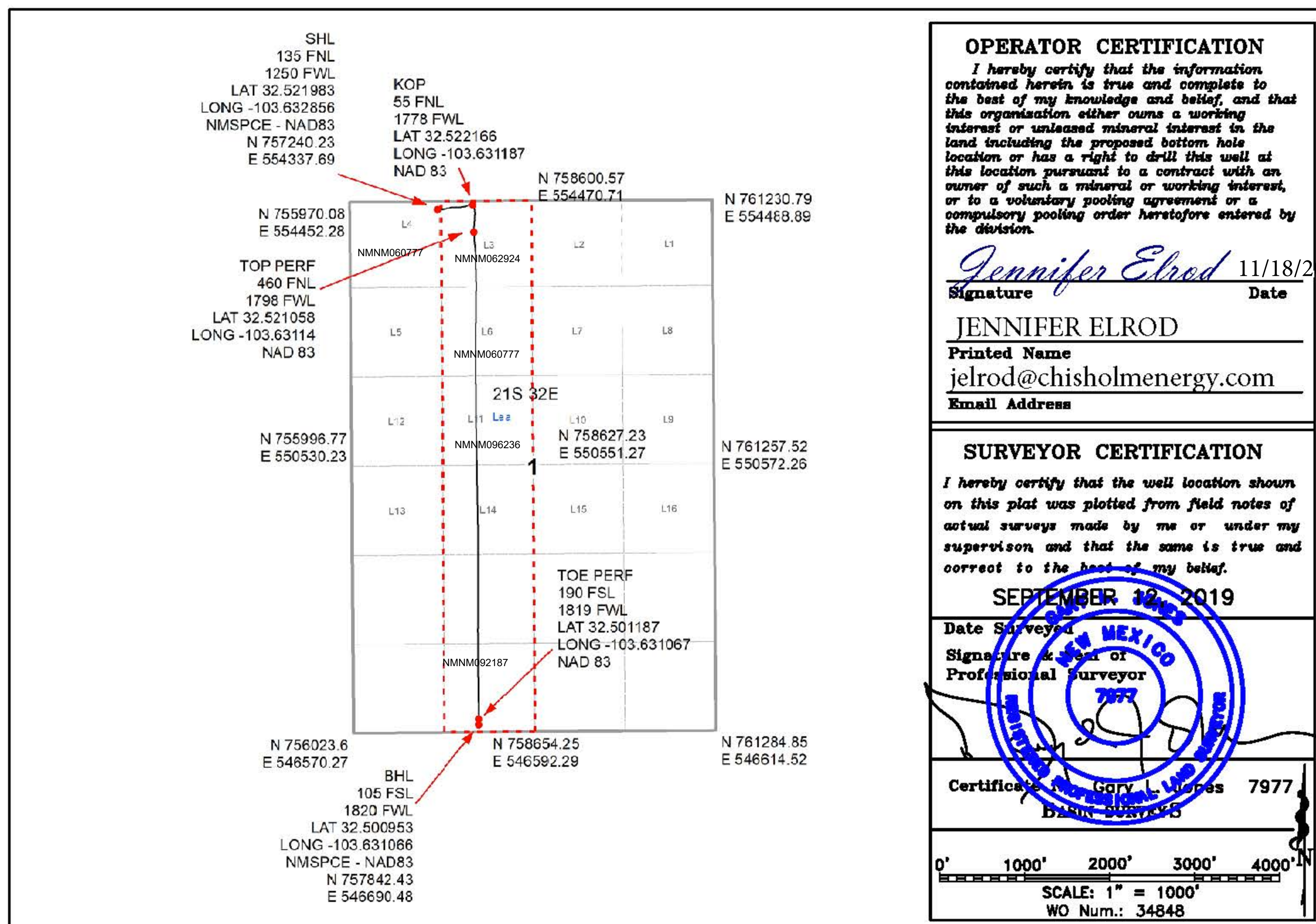
UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
LOT 4	1	21 S	32 E		135	NORTH	1250	WEST	LEA

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
N	1	21 S	32 E		105	SOUTH	1820	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
238.81			

**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**



Intent ☐ As Drilled ☒

API # 30-025-44848		
Operator Name:	Property Name: MINIS 1 FEDERAL COM 3BS	Well Number 5H

Kick Off Point (KOP)

UL	Section 1	Township 21S	Range 32E	Lot 4	Feet 55	From N/S NORTH	Feet 1778	From E/W WEST	County LEA
Latitude 32.522166					Longitude -103.631187			NAD 83	

First Take Point (FTP)

UL	Section 1	Township 21S	Range 32E	Lot 3	Feet 460	From N/S NORTH	Feet 1798	From E/W WEST	County LEA
Latitude 32.521058					Longitude -103.63144			NAD 83	

Last Take Point (LTP)

UL N	Section 1	Township 21S	Range 32E	Lot	Feet 190	From N/S SOUTH	Feet 1819	From E/W WEST	County LEA
Latitude 32.501187					Longitude -103.631067			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 Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Survey Geodetic

Report (Def Survey)



Report Date: October 08, 2020 - 02:03 PM
Client: Chisholm
Field: NM Lea County (NAD 83)
Structure / Slot: Chisholm Minis 1 Fed Com 3BS 5H / Minis 1 Fed Com 3BS 5H
Well: Minis 1 Fed Com 3BS 5H
Borehole: Minis 1 Fed Com 3BS 5H
UWI / API#: Unknown / 30-025-44848
Survey Name: Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD
Survey Date: September 16, 2020
Tort / AHD / DDI / ERD Ratio: 181.166 * / 8301.795 ft / 6.393 / 0.723
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 31' 19.13791", W 103° 37' 58.27388"
Location Grid N/E Y/X: N 554337.600 ftUS, E 757240.900 ftUS
CRS Grid Convergence Angle: 0.3766 °
Grid Scale Factor: 0.99996247
Version / Patch: 2.10.821.3

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.630 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3728.000 ft above MSL
Seabed / Ground Elevation: 3702.000 ft above MSL
Magnetic Declination: 6.547 °
Total Gravity Field Strength: 998.4834mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48008.063 nT
Magnetic Dip Angle: 60.339 °
Declination Date: September 16, 2020
Magnetic Declination Model: HDGM 2020
North Reference: Grid North
Grid Convergence Used: 0.3766 °
Total Corr Mag North->Grid
North: 6.1707 °
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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	554337.60	757240.90	N 32 31 19.14	W 103 37 58.27
	195.00	0.79	286.30	194.99	-0.39	0.38	-1.29	0.41	1.34	286.30	554337.98	757239.61	N 32 31 19.14	W 103 37 58.29
	288.00	1.14	288.31	287.98	-0.87	0.85	-2.78	0.38	2.91	286.94	554338.45	757238.12	N 32 31 19.15	W 103 37 58.31
	469.00	0.88	280.42	468.95	-1.22	1.18	-5.86	0.30	5.98	281.40	554338.78	757235.04	N 32 31 19.15	W 103 37 58.34
	560.00	0.95	174.60	559.95	-0.36	0.31	-6.48	1.37	6.49	272.78	554337.91	757234.42	N 32 31 19.14	W 103 37 58.35
	654.00	1.43	141.71	653.93	1.34	-1.38	-5.68	0.87	5.85	256.33	554336.22	757235.22	N 32 31 19.12	W 103 37 58.34
	750.00	1.09	144.98	749.90	3.04	-3.07	-4.42	0.36	5.38	235.19	554334.53	757236.48	N 32 31 19.11	W 103 37 58.33
	943.00	0.68	105.07	942.88	4.86	-4.87	-2.26	0.37	5.37	204.85	554332.73	757238.64	N 32 31 19.09	W 103 37 58.30
	1034.00	0.99	117.83	1033.87	5.37	-5.38	-1.04	0.40	5.48	190.94	554332.22	757239.86	N 32 31 19.08	W 103 37 58.29
	1125.00	0.80	119.77	1124.86	6.06	-6.06	0.21	0.21	6.06	178.04	554331.54	757241.11	N 32 31 19.08	W 103 37 58.27
	1220.00	0.79	118.31	1219.85	6.71	-6.70	1.36	0.02	6.84	168.53	554330.90	757242.26	N 32 31 19.07	W 103 37 58.26
	1314.00	0.63	110.43	1313.84	7.20	-7.19	2.41	0.20	7.58	161.44	554330.41	757243.31	N 32 31 19.07	W 103 37 58.25
	1409.00	0.55	118.29	1408.84	7.61	-7.59	3.31	0.12	8.28	156.46	554330.01	757244.20	N 32 31 19.06	W 103 37 58.24
	1470.00	0.62	112.73	1469.84	7.88	-7.85	3.87	0.15	8.75	153.78	554329.75	757244.77	N 32 31 19.06	W 103 37 58.23
13-3/8" Casing	1521.00	0.76	115.03	1520.83	8.13	-8.10	4.43	0.28	9.23	151.35	554329.50	757245.33	N 32 31 19.06	W 103 37 58.22
	1599.00	0.97	117.27	1598.82	8.66	-8.62	5.48	0.28	10.22	147.56	554328.98	757246.38	N 32 31 19.05	W 103 37 58.21
	1694.00	1.21	114.87	1693.81	9.46	-9.41	7.11	0.26	11.79	142.95	554328.19	757248.01	N 32 31 19.04	W 103 37 58.19
	1788.00	2.59	85.05	1787.75	9.71	-9.65	10.12	1.76	13.98	133.62	554327.95	757251.02	N 32 31 19.04	W 103 37 58.16
	1883.00	3.59	79.08	1882.61	9.00	-8.90	15.18	1.10	17.60	120.38	554328.70	757256.08	N 32 31 19.05	W 103 37 58.10
	1977.00	3.85	78.79	1976.42	7.86	-7.73	21.17	0.28	22.53	110.06	554329.87	757262.07	N 32 31 19.06	W 103 37 58.03
	2072.00	3.98	76.12	2071.19	6.49	-6.32	27.50	0.24	28.21	102.94	554331.28	757268.40	N 32 31 19.07	W 103 37 57.95
	2166.00	4.08	76.11	2164.96	4.95	-4.73	33.91	0.11	34.24	97.94	554332.87	757274.81	N 32 31 19.09	W 103 37 57.88
	2260.00	4.29	77.05	2258.71	3.40	-3.14	40.58	0.24	40.70	94.43	554334.46	757281.48	N 32 31 19.10	W 103 37 57.80
	2355.00	4.62	76.32	2353.42	1.75	-1.44	47.76	0.35	47.78	91.73	554336.16	757288.66	N 32 31 19.12	W 103 37 57.72
	2449.00	5.28	76.78	2447.07	-0.09	0.44	55.65	0.70	55.65	89.54	554338.04	757296.55	N 32 31 19.14	W 103 37 57.62
	2544.00	5.93	77.37	2541.62	-2.10	2.52	64.70	0.69	64.74	87.77	554340.12	757305.59	N 32 31 19.16	W 103 37 57.52
	2638.00	6.78	79.00	2635.04	-4.15	4.64	74.88	0.92	75.02	86.46	554342.24	757315.78	N 32 31 19.18	W 103 37 57.40
	2732.00	7.55	79.20	2728.31	-6.30	6.85	86.39	0.82	86.66	85.46	554344.45	757327.29	N 32 31 19.20	W 103 37 57.26
	2827.00	6.91	77.25	2822.55	-8.65	9.28	98.10	0.72	98.54	84.59	554346.88	757338.99	N 32 31 19.22	W 103 37 57.13
	2921.00	6.38	71.84	2915.92	-11.46	12.16	108.58	0.87	109.25	83.61	554349.76	757349.47	N 32 31 19.25	W 103 37 57.00
	3016.00	6.58	72.67	3010.31	-14.66	15.43	118.79	0.23	119.78	82.60	554353.03	757359.68	N 32 31 19.28	W 103 37 56.89
	3111.00	5.35	77.45	3104.80	-17.18	18.01	128.31	1.40	129.56	82.01	554355.61	757369.20	N 32 31 19.31	W 103 37 56.77
	3205.00	3.46	87.40	3198.52	-18.22	19.09	135.42	2.16	136.76	81.98	554356.69	757376.31	N 32 31 19.32	W 103 37 56.69
	3300.00	3.42	84.73	3293.34	-18.57	19.48	141.10	0.17	142.44	82.14	554357.08	757382.00	N 32 31 19.32	W 103 37 56.62
	3394.00	3.29	84.11	3387.18	-19.07	20.02	146.58	0.14	147.94	82.22	554357.62	757387.47	N 32 31 19.33	W 103 37 56.56
	3490.00	3.20	81.53	3483.03	-19.71	20.69	151.97	0.18	153.37	82.25	554358.29	757392.86	N 32 31 19.33	W 103 37 56.50
	3585.00	3.53	77.40	3577.87	-20.71	21.72	157.45	0.43	158.94	82.14	554359.32	757398.34	N 32 31 19.34	W 103 37 56.43
	3679.00	3.60	72.73	3671.68	-22.18	23.23	163.09	0.32	164.73	81.89	554360.83	757403.98	N 32 31 19.36	W 103 37 56.37
	3774.00	3.82	72.59	3766.48	-24.75	25.59	168.96	0.32	170.77	81.51	554362.92	757409.80	N 32 31 19.38	W 103 37 56.30
	3869.00	4.11	71.37	3861.26	-26.28	27.41	175.09	0.33	177.23	81.10	554365.01	757415.99	N 32 31 19.40	W 103 37 56.23
	3963.00	3.66	73.28	3955.04	-28.18	29.35	181.16	0.50	183.52	80.80	554366.95	757422.05	N 32 31 19.42	W 103 37 56.16
	4058.00	3.59	65.44	4049.85	-30.25	31.46	186.77	0.53	189.40	80.44	554369.06	757427.66	N 32 31 19.44	W 103 37 56.09
	4152.00	3.75	79.09	4143.66	-32.02	33.26	192.46	0.94	195.32	80.19	554370.86	757433.36	N 32 31 19.45	W 103 37 56.02
	4247.00	3.80	84.88	4238.46	-32.85	34.13	198.65	0.40	201.56	80.25	554371.73	757439.54	N 32 31 19.46	W 103 37 55.95
	4341.00	3.99	86.49	4332.24	-33.29	34.61	205.02	0.23	207.92	80.42	554372.21	757445.91	N 32 31 19.47	W 103 37 55.88
	4436.00	3.96	86.95	4427.01	-33.62	34.99	211.59	0.05	214.46	80.61	554372.59	757452.48	N 32 31 19.47	W 103 37 55.80
	4530.00	3.57	90.04	4520.81	-33.75	35.16	217.76	0.47	220.58	80.83	554372.76	757458.65	N 32 31 19.47	W 103 37 55.73
	4624.00	3.61	89.94	4614.62	-33.71	35.92	223.66	0.04	226.39	81.07	554372.76	757464.54	N 32 31 19.47	W 103 37 55.66
	4719.00	3.66	86.42	4709.43	-33.87	35.35	229.66	0.24	232.37	81.25	554372.95	757470.55	N 32 31 19.47	W 103 37 55.59
	4813.00	3.81	85.67	4803.23	-34.25	35.77	235.77	0.17	238.47	81.37	554373.37	757476.66	N 32 31 19.48	W 103 37 55.52
	4907.00	3.78	87.37	4897.03	-34.59	36.15	241.98	0.12	244.67	81.50	554373.75	757482.87	N 32 31 19.48	W 103 37 55.45
	5002.00	3.92	87.73	4991.81	-34.82	36.42	248.35	0.15	251.01	81.66	554374.02	757489.24	N 32 31 19.48	W 103 37 55.37
	5097.00	3.83	88.31	5086.59	-35.00	36.65	254.77	0.10	257.39	81.81	554374.25	757495.66	N 32 31 19.48	W 103 37 55.30
	5191.00	3.85	87.59	5180.38	-35.19	36.87	261.06	0.06	263.65	81.96	554374.47	757501.95	N 32 31 19.49	W 103 37 55.22
	5286.00	4.21	89.73	5275.15	-35.29	37.02	267.73	0.41	270.28	82.13	554374.62	757508.62	N 32 31 19.49	W 103 37 55.14
	5381.00	4.25	91.85	5369.89	-35.62	38.92	273.44	0.18	277.21	82.35	554374.52	757515.63	N 32 31 19.49	W 103 37 55.06
	5475.00	4.24	91.38	5463.63	-34.90	36.72	281.69	0.05	284.08	82.57	554374.32	757522.58	N 32 31 19.48	W 103 37 54.98
	5570.00	4.25	91.91	5558.37	-34.65	36.52	288.72	0.04	291.02	82.79	554374.11	757529.61	N 32 31 19.48	W 103 37 54.90
9-5/8" Casing	5655.00	4.34	90.75	5643.13	-34.46	36.37	295.09	0.15	297.32	82.97	554373.97	757535.98	N 32 31 19.48	W 103 37 54.82
	5664.00	4.35	90.63	5652.11	-34.45	36.36	295.77	0.15	298.00	82.99	554373.96	757536.66	N 32 31 19.48	W 103 37 54.82
	5735.00	4.50	91.61	5722.89	-34.31	36.25	301.25	0.24	303.42	83.14	554373.85	757542.13	N 32 31 19.48	W 103 37 54.75
	5836.00	4.67	95.91	5823.57	-33.72	35.72	309.30	0.38	311.35	83.41	554373.32	757550.18	N 32 31 19.47	W 103 37 54.66
	5931.00	4.52	97.80	5918.27	-32.76	34.81	316.85	0.22	318.76	83.73	554372.41	757557.74	N 32 31 19.46	W 103 37 54.57
	6026.00	4.94	83.02	6012.95	-32.70	34.80	324.62	1.35	326.48	83.88	554372.40	757565.51	N 32 31 19.46	W 103 37 54.48
	6120.00	4.89												

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 ° ' ")
HL Crossing	9145.00	0.48	254.41	9125.32	-78.84	82.12	507.08	1.03	513.69	80.80	554419.72	757747.96	N 32 31 19.92	W 103 37 52.35
	9240.00	1.30	232.46	9220.31	-78.09	81.36	505.85	0.92	512.35	80.86	554418.73	757746.73	N 32 31 19.91	W 103 37 52.36
	9334.00	1.55	223.00	9314.28	-76.52	79.78	504.13	0.36	510.41	81.01	554417.37	757745.01	N 32 31 19.89	W 103 37 52.38
	9429.00	1.72	179.48	9409.24	-74.16	77.41	503.27	1.29	509.19	81.26	554415.10	757744.15	N 32 31 19.87	W 103 37 52.39
	9523.00	1.96	159.18	9503.20	-71.24	74.50	503.85	0.73	509.33	81.59	554412.10	757744.74	N 32 31 19.84	W 103 37 52.38
	9618.00	1.83	154.23	9598.14	-68.35	71.61	505.09	0.22	510.14	81.93	554409.21	757745.97	N 32 31 19.81	W 103 37 52.37
	9712.00	1.07	85.07	9692.12	-67.07	70.34	506.62	1.87	511.48	82.10	554407.94	757747.50	N 32 31 19.80	W 103 37 52.35
	9806.00	1.62	12.09	9786.10	-68.43	71.71	507.77	1.77	512.81	81.96	554409.31	757748.65	N 32 31 19.81	W 103 37 52.34
	9900.00	0.82	340.27	9880.08	-70.36	73.65	507.82	1.08	513.14	81.75	554411.24	757748.70	N 32 31 19.83	W 103 37 52.34
	9994.00	0.64	321.41	9974.07	-71.41	74.69	507.27	0.32	512.74	81.62	554412.29	757748.15	N 32 31 19.84	W 103 37 52.34
	10089.00	0.85	63.38	10069.06	-72.14	75.42	507.57	1.23	513.14	81.55	554413.02	757748.45	N 32 31 19.85	W 103 37 52.34
	10184.00	2.28	76.99	10164.03	-72.87	76.16	510.04	1.54	515.69	81.51	554413.76	757750.92	N 32 31 19.86	W 103 37 52.31
	10278.00	1.59	82.64	10257.97	-73.43	76.75	513.15	0.76	518.86	81.49	554414.35	757754.03	N 32 31 19.86	W 103 37 52.28
	10373.00	1.01	108.73	10352.95	-73.32	76.65	515.25	0.86	520.92	81.54	554414.25	757756.13	N 32 31 19.86	W 103 37 52.25
	10467.00	0.79	125.60	10446.94	-72.67	76.01	516.57	0.36	522.13	81.63	554413.60	757757.45	N 32 31 19.86	W 103 37 52.24
	10562.00	0.56	165.47	10541.93	-71.83	75.17	517.21	0.54	522.65	81.73	554412.77	757758.09	N 32 31 19.85	W 103 37 52.23
	10657.00	1.13	220.36	10636.92	-70.67	74.01	516.72	0.98	522.00	81.85	554411.61	757757.60	N 32 31 19.84	W 103 37 52.23
	10737.00	2.35	223.37	10716.88	-68.89	72.22	515.09	1.53	520.13	82.02	554409.82	757755.97	N 32 31 19.82	W 103 37 52.25
	10790.00	2.85	198.27	10769.83	-66.86	70.18	513.93	2.32	518.70	82.22	554407.77	757754.81	N 32 31 19.80	W 103 37 52.27
	10885.00	14.25	148.81	10863.69	-54.53	57.88	519.26	13.24	522.48	83.64	554395.48	757760.14	N 32 31 19.68	W 103 37 52.21
	10932.00	17.62	155.77	10908.88	-43.05	46.44	525.18	8.23	527.23	84.95	554384.04	757766.06	N 32 31 19.56	W 103 37 52.14
	10958.00	19.01	157.62	10933.56	-35.53	38.94	528.41	5.78	529.84	85.79	554376.54	757769.29	N 32 31 19.49	W 103 37 52.10
	10979.00	20.14	158.93	10953.35	-28.97	32.40	531.01	5.78	532.00	86.51	554370.00	757771.89	N 32 31 19.42	W 103 37 52.07
	11026.00	22.87	164.75	10997.08	-12.57	16.04	536.32	7.37	536.56	88.29	554353.64	757777.20	N 32 31 19.26	W 103 37 52.01
	11074.00	26.78	169.83	11040.64	7.11	-3.62	540.69	9.27	540.70	90.38	554333.98	757781.57	N 32 31 19.07	W 103 37 51.96
	11121.00	30.78	176.69	11081.84	29.57	-26.06	543.25	11.02	543.88	92.75	554311.54	757784.13	N 32 31 18.84	W 103 37 51.93
	11168.00	34.69	180.44	11121.37	54.96	-51.45	543.85	9.37	546.27	95.40	554286.15	757784.72	N 32 31 18.59	W 103 37 51.93
	11215.00	36.84	181.72	11159.50	82.42	-78.91	543.32	4.84	549.02	98.26	554258.69	757784.20	N 32 31 18.32	W 103 37 51.93
	11263.00	40.12	183.26	11197.07	112.24	-108.75	542.01	7.12	552.81	101.34	554228.86	757782.89	N 32 31 18.03	W 103 37 51.95
	11310.00	44.91	183.99	11231.71	143.92	-140.43	539.99	10.25	557.95	104.58	554197.17	757780.87	N 32 31 17.71	W 103 37 51.98
	11357.00	49.82	184.35	11263.53	178.38	-174.91	537.47	10.46	565.22	108.03	554162.70	757778.35	N 32 31 17.37	W 103 37 52.01
	11404.00	53.66	185.41	11292.63	215.12	-217.67	534.33	8.36	574.73	111.61	554125.94	757775.21	N 32 31 17.01	W 103 37 52.05
	11452.00	56.83	182.39	11320.00	254.43	-251.01	531.66	8.39	587.94	115.27	554086.60	757772.54	N 32 31 16.62	W 103 37 52.10
	11499.00	60.21	179.85	11344.54	294.49	-291.07	530.90	8.54	605.45	118.73	554046.54	757771.78	N 32 31 16.22	W 103 37 52.10
	11547.00	63.83	178.66	11367.05	336.87	-333.45	531.46	7.85	627.40	122.11	554004.17	757772.34	N 32 31 15.80	W 103 37 52.09
	11594.00	67.69	177.79	11386.35	379.71	-376.27	532.79	8.38	652.26	125.23	553961.34	757773.67	N 32 31 15.38	W 103 37 52.08
	11642.00	70.83	176.55	11403.34	424.55	-421.10	535.01	6.97	680.85	128.21	553916.51	757775.89	N 32 31 14.94	W 103 37 52.06
	11689.00	73.35	176.14	11417.80	469.19	-465.73	537.86	5.43	711.48	130.89	553871.89	757778.74	N 32 31 14.49	W 103 37 52.03
	11736.00	75.26	175.14	11430.51	514.33	-510.84	541.30	4.55	744.29	133.34	553826.78	757782.18	N 32 31 14.05	W 103 37 51.99
	11783.00	79.60	174.11	11440.74	560.02	-556.50	545.60	9.48	779.34	135.57	553781.12	757786.48	N 32 31 13.60	W 103 37 51.94
	11830.00	82.79	176.08	11447.93	606.31	-602.77	549.57	7.95	815.70	137.64	553734.85	757790.45	N 32 31 13.14	W 103 37 51.90
	11925.00	88.39	178.84	11455.23	700.91	-697.35	553.76	6.57	890.47	141.55	553640.28	757794.63	N 32 31 12.20	W 103 37 51.86
	12020.00	89.18	178.69	11457.25	795.88	-792.31	555.80	0.85	967.82	144.95	553545.32	757796.68	N 32 31 11.26	W 103 37 51.84
	12091.00	89.43	180.40	11468.11	866.86	-863.28	557.61	0.54	1027.70	147.14	553474.36	757798.48	N 32 31 10.50	W 103 37 51.83
	12185.00	90.25	178.23	11458.37	960.84	-957.24	560.37	0.89	1109.20	149.66	553380.40	757801.25	N 32 31 9.63	W 103 37 51.80
	12279.00	90.39	178.32	11457.85	1054.81	-1051.19	563.20	0.18	1192.56	151.82	553286.45	757804.08	N 32 31 8.70	W 103 37 51.78
	12374.00	90.12	180.38	11457.42	1149.80	-1146.18	564.28	2.19	1277.55	153.79	553191.47	757805.16	N 32 31 7.76	W 103 37 51.77
	12468.00	90.02	180.67	11457.31	1243.79	-1240.18	563.42	0.33	1362.16	155.57	553097.47	757804.29	N 32 31 6.83	W 103 37 51.79
	12563.00	90.14	180.74	11457.18	1338.77	-1335.17	562.25	0.15	1448.72	157.16	553002.48	757803.12	N 32 31 5.89	W 103 37 51.81
	12657.00	90.17	180.52	11456.92	1432.76	-1429.16	561.21	0.24	1535.40	158.56	552908.49	757802.09	N 32 31 4.96	W 103 37 51.83
	12752.00	90.29	180.90	11456.54	1527.74	-1524.15	560.04	0.42	1623.79	159.82	552813.51	757800.91	N 32 31 4.02	W 103 37 51.85
	12847.00	90.29	180.70	11456.06	1622.72	-1619.14	558.71	0.21	1712.83	160.96	552718.52	757799.59	N 32 31 3.08	W 103 37 51.87
	12941.00	90.19	180.96	11455.67	1716.70	-1713.13	557.35	0.30	1801.52	161.98	552624.53	757798.23	N 32 31 2.15	W 103 37 51.90
	13036.00	90.13	181.18	11455.40	1811.67	-1808.12	555.57	0.24	1891.55	162.92	552529.56	757796.45	N 32 31 1.21	W 103 37 51.92
	13131.00	89.67	180.42	11455.57	1906.65	-1903.11	554.25	0.94	1982.17	163.76	552434.57	757795.13	N 32 31 0.27	W 103 37 51.95
	13225.00	89.75	179.96	11456.04	2000.64	-1997.10	553.94	0.50	2072.50	164.50	552340.58	757794.81	N 32 30 59.34	W 103 37 51.96
	13320.00	89.89	179.19	11456.34	2095.64	-2092.10	554.64	0.82	2164.37	165.15	552245.58	757795.52	N 32 30 58.40	W 103 37 51.96
	13414.00	89.27	179.44	11457.03	2189.64	-2186.09	555.76	0.71	2255.63	165.74	552151.60	757796.64	N 32 30 57.4	

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 ° ' ")
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	Minis 1 Fed Com 3BS 5H / Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Minis 1 Fed Com 3BS 5H /						
	1	26.000	26.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Minis 1 Fed Com 3BS 5H /						
	1	26.000	1521.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Minis 1 Fed Com 3BS 5H /						
	1	1521.000	5655.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS Minis 1 Fed Com 3BS 5H /						
	1	5655.000	12000.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS Minis 1 Fed Com 3BS 5H /						
	1	12000.000	18876.000	Act Stns	8.500	5.500	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS						



Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Survey Geodetic

Report (Def Survey)



Report Date: October 08, 2020 - 02:03 PM
Client: Chisholm
Field: NM Lea County (NAD 83)
Structure / Slot: Chisholm Minis 1 Fed Com 3BS 5H / Minis 1 Fed Com 3BS 5H
Well: Minis 1 Fed Com 3BS 5H
Borehole: Minis 1 Fed Com 3BS 5H
UWI / API#: Unknown / 30-025-44848
Survey Name: Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD
Survey Date: September 16, 2020
Tort / AHD / DDI / ERD Ratio: 181.166 * / 8301.795 ft / 6.393 / 0.723
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 31' 19.13791", W 103° 37' 58.27388"
Location Grid N/E Y/X: N 554337.600 ftUS, E 757240.900 ftUS
CRS Grid Convergence Angle: 0.3766 °
Grid Scale Factor: 0.99996247
Version / Patch: 2.10.821.3

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 179.630 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3728.000 ft above MSL
Seabed / Ground Elevation: 3702.000 ft above MSL
Magnetic Declination: 6.547 °
Total Gravity Field Strength: 998.4834mgm (9.80665 Based)
Gravity Model: GARM
Total Magnetic Field Strength: 48008.063 nT
Magnetic Dip Angle: 60.339 °
Declination Date: September 16, 2020
Magnetic Declination Model: HDGM 2020
North Reference: Grid North
Grid Convergence Used: 0.3766 °
Total Corr Mag North->Grid
North: 6.1707 °
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 ° ' ")
SHL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	554337.60	757240.90	N 32 31 19.14	W 103 37 58.27
	195.00	0.79	286.30	194.99	-0.39	0.38	-1.29	0.41	1.34	286.30	554337.98	757239.61	N 32 31 19.14	W 103 37 58.29
	288.00	1.14	288.31	287.98	-0.87	0.85	-2.78	0.38	2.91	286.94	554338.45	757238.12	N 32 31 19.15	W 103 37 58.31
	469.00	0.88	280.42	468.95	-1.22	1.18	-5.86	0.30	5.98	281.40	554338.78	757235.04	N 32 31 19.15	W 103 37 58.34
	560.00	0.95	174.60	559.95	-0.36	0.31	-6.48	1.37	6.49	272.78	554337.91	757234.42	N 32 31 19.14	W 103 37 58.35
	654.00	1.43	141.71	653.93	1.34	-1.38	-5.68	0.87	5.85	256.33	554336.22	757235.22	N 32 31 19.12	W 103 37 58.34
	750.00	1.09	144.98	749.90	3.04	-3.07	-4.42	0.36	5.38	235.19	554334.53	757236.48	N 32 31 19.11	W 103 37 58.33
	943.00	0.68	105.07	942.88	4.86	-4.87	-2.26	0.37	5.37	204.85	554332.73	757238.64	N 32 31 19.09	W 103 37 58.30
	1034.00	0.99	117.83	1033.87	5.37	-5.38	-1.04	0.40	5.48	190.94	554332.22	757239.86	N 32 31 19.08	W 103 37 58.29
	1125.00	0.80	119.77	1124.86	6.06	-6.06	0.21	0.21	6.06	178.04	554331.54	757241.11	N 32 31 19.08	W 103 37 58.27
	1220.00	0.79	118.31	1219.85	6.71	-6.70	1.36	0.02	6.84	168.53	554330.90	757242.26	N 32 31 19.07	W 103 37 58.26
	1314.00	0.63	110.43	1313.84	7.20	-7.19	2.41	0.20	7.58	161.44	554330.41	757243.31	N 32 31 19.07	W 103 37 58.25
	1409.00	0.55	118.29	1408.84	7.61	-7.59	3.31	0.12	8.28	156.46	554330.01	757244.20	N 32 31 19.06	W 103 37 58.24
	1470.00	0.62	112.73	1469.84	7.88	-7.85	3.87	0.15	8.75	153.78	554329.75	757244.77	N 32 31 19.06	W 103 37 58.23
13-3/8" Casing	1521.00	0.76	115.03	1520.83	8.13	-8.10	4.43	0.28	9.23	151.35	554329.50	757245.33	N 32 31 19.06	W 103 37 58.22
	1599.00	0.97	117.27	1598.82	8.66	-8.62	5.48	0.28	10.22	147.56	554328.98	757246.38	N 32 31 19.05	W 103 37 58.21
	1694.00	1.21	114.87	1693.81	9.46	-9.41	7.11	0.26	11.79	142.95	554328.19	757248.01	N 32 31 19.04	W 103 37 58.19
	1788.00	2.59	85.05	1787.75	9.71	-9.65	10.12	1.76	13.98	133.62	554327.95	757251.02	N 32 31 19.04	W 103 37 58.16
	1883.00	3.59	79.08	1882.61	9.00	-8.90	15.18	1.10	17.60	120.38	554328.70	757256.08	N 32 31 19.05	W 103 37 58.10
	1977.00	3.85	78.79	1976.42	7.86	-7.73	21.17	0.28	22.53	110.06	554329.87	757262.07	N 32 31 19.06	W 103 37 58.03
	2072.00	3.98	76.12	2071.19	6.49	-6.32	27.50	0.24	28.21	102.94	554331.28	757268.40	N 32 31 19.07	W 103 37 57.95
	2166.00	4.08	76.11	2164.96	4.95	-4.73	33.91	0.11	34.24	97.94	554332.87	757274.81	N 32 31 19.09	W 103 37 57.88
	2260.00	4.29	77.05	2258.71	3.40	-3.14	40.58	0.24	40.70	94.43	554334.46	757281.48	N 32 31 19.10	W 103 37 57.80
	2355.00	4.62	76.32	2353.42	1.75	-1.44	47.76	0.35	47.78	91.73	554336.16	757288.66	N 32 31 19.12	W 103 37 57.72
	2449.00	5.28	76.78	2447.07	-0.09	0.44	55.65	0.70	55.65	89.54	554338.04	757296.55	N 32 31 19.14	W 103 37 57.62
	2544.00	5.93	77.37	2541.62	-2.10	2.52	64.70	0.69	64.74	87.77	554340.12	757305.59	N 32 31 19.16	W 103 37 57.52
	2638.00	6.78	79.00	2635.04	-4.15	4.64	74.88	0.92	75.02	86.46	554342.24	757315.78	N 32 31 19.18	W 103 37 57.40
	2732.00	7.55	79.20	2728.31	-6.30	6.85	86.39	0.82	86.66	85.46	554344.45	757327.29	N 32 31 19.20	W 103 37 57.26
	2827.00	6.91	77.25	2822.55	-8.65	9.28	98.10	0.72	98.54	84.59	554346.88	757338.99	N 32 31 19.22	W 103 37 57.13
	2921.00	6.38	71.84	2915.92	-11.46	12.16	108.58	0.87	109.25	83.61	554349.76	757349.47	N 32 31 19.25	W 103 37 57.00
	3016.00	6.58	72.67	3010.31	-14.66	15.43	118.79	0.23	119.78	82.60	554353.03	757359.68	N 32 31 19.28	W 103 37 56.89
	3111.00	5.35	77.45	3104.80	-17.18	18.01	128.31	1.40	129.56	82.01	554355.61	757369.20	N 32 31 19.31	W 103 37 56.77
	3205.00	3.46	87.40	3198.52	-18.22	19.09	135.42	2.16	136.76	81.98	554356.69	757376.31	N 32 31 19.32	W 103 37 56.69
	3300.00	3.42	84.73	3293.34	-18.57	19.48	141.10	0.17	142.44	82.14	554357.08	757382.00	N 32 31 19.32	W 103 37 56.62
	3394.00	3.29	84.11	3387.18	-19.07	20.02	146.58	0.14	147.94	82.22	554357.62	757387.47	N 32 31 19.33	W 103 37 56.56
	3490.00	3.20	81.53	3483.03	-19.71	20.69	151.97	0.18	153.37	82.25	554358.29	757392.86	N 32 31 19.33	W 103 37 56.50
	3585.00	3.53	77.40	3577.87	-20.71	21.72	157.45	0.43	158.94	82.14	554359.32	757398.34	N 32 31 19.34	W 103 37 56.43
	3679.00	3.60	72.73	3671.68	-22.18	23.23	163.09	0.32	164.73	81.89	554360.83	757403.98	N 32 31 19.36	W 103 37 56.37
	3774.00	3.82	72.67	3766.48	-24.75	25.59	168.98	0.32	170.77	81.51	554362.92	757409.80	N 32 31 19.38	W 103 37 56.30
	3869.00	4.11	71.37	3861.26	-26.28	27.41	175.09	0.33	177.23	81.10	554365.01	757415.99	N 32 31 19.40	W 103 37 56.23
	3963.00	3.66	73.28	3955.04	-28.18	29.35	181.16	0.50	183.52	80.80	554366.95	757422.05	N 32 31 19.42	W 103 37 56.16
	4058.00	3.59	65.44	4049.85	-30.25	31.46	186.77	0.53	189.40	80.44	554369.06	757427.66	N 32 31 19.44	W 103 37 56.09
	4152.00	3.75	79.09	4143.66	-32.02	33.26	192.46	0.94	195.32	80.19	554370.86	757433.36	N 32 31 19.45	W 103 37 56.02
	4247.00	3.80	84.88	4238.46	-32.85	34.13	198.65	0.40	201.56	80.25	554371.73	757439.54	N 32 31 19.46	W 103 37 55.95
	4341.00	3.99	86.49	4332.24	-33.29	34.61	205.02	0.23	207.92	80.42	554372.21	757445.91	N 32 31 19.47	W 103 37 55.88
	4436.00	3.96	86.95	4427.01	-33.62	34.99	211.59	0.05	214.46	80.61	554372.59	757452.48	N 32 31 19.47	W 103 37 55.80
	4530.00	3.57	90.04	4520.81	-33.75	35.16	217.76	0.47	220.58	80.83	554372.76	757458.65	N 32 31 19.47	W 103 37 55.73
	4624.00	3.61	89.94	4614.62	-33.71	35.92	223.66	0.04	226.39	81.07	554372.76	757464.54	N 32 31 19.47	W 103 37 55.66
	4719.00	3.66	86.42	4709.43	-33.87	35.35	229.66	0.24	232.37	81.25	554372.95	757470.55	N 32 31 19.47	W 103 37 55.59
	4813.00	3.81	85.67	4803.23	-34.25	35.77	235.77	0.17	238.47	81.37	554373.37	757476.66	N 32 31 19.48	W 103 37 55.52
	4907.00	3.78	87.37	4897.03	-34.59	36.15	241.98	0.12	244.67	81.50	554373.75	757482.87	N 32 31 19.48	W 103 37 55.45
	5002.00	3.92	87.73	4991.81	-34.82	36.42	248.35	0.15	251.01	81.66	554374.02	757489.24	N 32 31 19.48	W 103 37 55.37
	5097.00	3.83	88.31	5086.59	-35.00	36.65	254.77	0.10	257.39	81.81	554374.25	757495.66	N 32 31 19.48	W 103 37 55.30
	5191.00	3.85	87.59	5180.38	-35.19	36.87	261.06	0.06	263.65	81.96	554374.47	757501.95	N 32 31 19.49	W 103 37 55.22
	5286.00	4.21	89.73	5275.15	-35.29	37.02	267.73	0.41	270.28	82.13	554374.62	757508.62	N 32 31 19.49	W 103 37 55.14
	5381.00	4.25	91.95	5369.89	-35.62	37.59	273.74	0.19	277.21	82.35	554374.52	757515.63	N 32 31 19.49	W 103 37 55.06
	5475.00	4.24	91.38	5463.63	-34.90	36.72	281.69	0.05	284.08	82.57	554374.32	757522.58	N 32 31 19.48	W 103 37 54.98
	5570.00	4.25	91.91	5558.37	-34.65	36.52	288.72	0.04	291.02	82.79	554374.11	757529.61	N 32 31 19.48	W 103 37 54.90
9-5/8" Casing	5655.00	4.34	90.75	5643.13	-34.46	36.37	295.09	0.15	297.32	82.97	554373.97	757535.98	N 32 31 19.48	W 103 37 54.82
	5664.00	4.35	90.63	5652.11	-34.45	36.36	295.77	0.15	298.00	82.99	554373.96	757536.66	N 32 31 19.48	W 103 37 54.82
	5735.00	4.50	91.61	5722.89	-34.31	36.25	301.25	0.24	303.42	83.14	554373.85	757542.13	N 32 31 19.48	W 103 37 54.75
	5836.00	4.67	95.91	5823.57	-33.72	35.72	309.30	0.38	311.35	83.41	554373.32	757550.18	N 32 31 19.47	W 103 37 54.66
	5931.00	4.52	97.80	5918.27	-32.76	34.81	316.85	0.22	318.76	83.73	554372.41	757557.74	N 32 31 19.46	W 103 37 54.57
	6026.00	4.94	83.02	6012.95	-32.70	34.80	324.62	1.35	326.48	83.88	554372.40	757565.51	N 32 31 19.46	W 103 37 54.48
	6120.00	4.89												

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 ° ' ")
HL Crossing	9145.00	0.48	254.41	9125.32	-78.84	82.12	507.08	1.03	513.69	80.80	554419.72	757747.96	N 32 31 19.92	W 103 37 52.35
	9240.00	1.30	232.46	9220.31	-78.09	81.36	505.85	0.92	512.35	80.86	554418.73	757748.73	N 32 31 19.91	W 103 37 52.36
	9334.00	1.55	223.00	9314.28	-76.52	79.78	504.13	0.36	510.41	81.01	554417.37	757745.01	N 32 31 19.89	W 103 37 52.38
	9429.00	1.72	179.48	9409.24	-74.16	77.41	503.27	1.29	509.19	81.26	554415.10	757744.15	N 32 31 19.87	W 103 37 52.39
	9523.00	1.96	159.18	9503.20	-71.24	74.50	503.85	0.73	509.33	81.59	554412.10	757744.74	N 32 31 19.84	W 103 37 52.38
	9618.00	1.83	154.23	9598.14	-68.35	71.61	505.09	0.22	510.14	81.93	554409.21	757745.97	N 32 31 19.81	W 103 37 52.37
	9712.00	1.07	85.07	9692.12	-67.07	70.34	506.62	1.87	511.48	82.10	554407.94	757747.50	N 32 31 19.80	W 103 37 52.35
	9806.00	1.62	12.09	9786.10	-68.43	71.71	507.77	1.77	512.81	81.96	554409.31	757748.65	N 32 31 19.81	W 103 37 52.34
	9900.00	0.82	340.27	9880.08	-70.36	73.65	507.82	1.08	513.14	81.75	554411.24	757748.70	N 32 31 19.83	W 103 37 52.34
	9994.00	0.64	321.41	9974.07	-71.41	74.69	507.27	0.32	512.74	81.62	554412.29	757748.15	N 32 31 19.84	W 103 37 52.34
	10089.00	0.85	63.38	10069.06	-72.14	75.42	507.57	1.23	513.14	81.55	554413.02	757748.45	N 32 31 19.85	W 103 37 52.34
	10184.00	2.28	76.99	10164.03	-72.87	76.16	510.04	1.54	515.69	81.51	554413.76	757750.92	N 32 31 19.86	W 103 37 52.31
	10278.00	1.59	82.64	10257.97	-73.43	76.75	513.15	0.76	518.86	81.49	554414.35	757754.03	N 32 31 19.86	W 103 37 52.28
	10373.00	1.01	108.73	10352.95	-73.32	76.65	515.25	0.86	520.92	81.54	554414.25	757756.13	N 32 31 19.86	W 103 37 52.25
	10467.00	0.79	125.60	10446.94	-72.67	76.01	516.57	0.36	522.13	81.63	554413.60	757757.45	N 32 31 19.86	W 103 37 52.24
	10562.00	0.56	165.47	10541.93	-71.83	75.17	517.21	0.54	522.65	81.73	554412.77	757758.09	N 32 31 19.85	W 103 37 52.23
	10657.00	1.13	220.36	10636.92	-70.67	74.01	516.72	0.98	522.00	81.85	554411.61	757757.60	N 32 31 19.84	W 103 37 52.23
	10737.00	2.35	223.37	10716.88	-68.89	72.22	515.09	1.53	520.13	82.02	554409.82	757755.97	N 32 31 19.82	W 103 37 52.25
	10790.00	2.85	198.27	10769.83	-66.86	70.18	513.93	2.32	518.70	82.22	554407.77	757754.81	N 32 31 19.80	W 103 37 52.27
	10885.00	14.25	148.81	10863.69	-54.53	57.88	519.26	13.24	522.48	83.64	554395.48	757760.14	N 32 31 19.68	W 103 37 52.21
	10932.00	17.62	155.77	10908.88	-43.05	46.44	525.18	8.23	527.23	84.95	554384.04	757766.06	N 32 31 19.56	W 103 37 52.14
	10958.00	19.01	157.62	10933.56	-35.53	38.94	528.41	5.78	529.84	85.79	554376.54	757769.29	N 32 31 19.49	W 103 37 52.10
	10979.00	20.14	158.93	10953.35	-28.97	32.40	531.01	5.78	532.00	86.51	554370.00	757771.89	N 32 31 19.42	W 103 37 52.07
	11026.00	22.87	164.75	10997.08	-12.57	16.04	536.32	7.37	536.56	88.29	554353.64	757777.20	N 32 31 19.26	W 103 37 52.01
	11074.00	26.78	169.83	11040.64	7.11	-3.62	540.69	9.27	540.70	90.38	554333.98	757781.57	N 32 31 19.07	W 103 37 51.96
	11121.00	30.78	176.69	11081.84	29.57	-26.06	543.25	11.02	543.88	92.75	554311.54	757784.13	N 32 31 18.84	W 103 37 51.93
	11168.00	34.69	180.44	11121.37	54.96	-51.45	543.85	9.37	546.27	95.40	554286.15	757784.72	N 32 31 18.59	W 103 37 51.93
	11215.00	36.84	181.72	11159.50	82.42	-78.91	543.32	4.84	549.02	98.26	554258.69	757784.20	N 32 31 18.32	W 103 37 51.93
	11263.00	40.12	183.26	11197.07	112.24	-108.75	542.01	7.12	552.81	101.34	554228.86	757782.89	N 32 31 18.03	W 103 37 51.95
	11310.00	44.91	183.99	11231.71	143.92	-140.43	539.99	10.25	557.95	104.58	554197.17	757780.87	N 32 31 17.71	W 103 37 51.98
	11357.00	49.82	184.35	11263.53	178.38	-174.91	537.47	10.46	565.22	108.03	554162.70	757778.35	N 32 31 17.37	W 103 37 52.01
	11404.00	53.66	185.41	11292.63	215.12	-217.67	534.33	8.36	574.73	111.61	554125.94	757775.21	N 32 31 17.01	W 103 37 52.05
	11452.00	56.83	182.39	11320.00	254.43	-251.01	531.66	8.39	587.94	115.27	554086.60	757772.54	N 32 31 16.62	W 103 37 52.08
	11499.00	60.21	179.85	11344.54	294.49	-291.07	530.90	8.54	605.45	118.73	554046.54	757771.78	N 32 31 16.22	W 103 37 52.10
	11547.00	63.83	178.66	11367.05	336.87	-333.45	531.46	7.85	627.40	122.11	554004.17	757772.34	N 32 31 15.80	W 103 37 52.09
	11594.00	67.69	177.79	11386.35	379.71	-376.27	532.79	8.38	652.26	125.23	553961.34	757773.67	N 32 31 15.38	W 103 37 52.08
	11642.00	70.83	176.55	11403.34	424.55	-421.10	535.01	6.97	680.85	128.21	553916.51	757775.89	N 32 31 14.94	W 103 37 52.06
	11689.00	73.35	176.14	11417.80	469.19	-465.73	537.86	5.43	711.48	130.89	553871.89	757778.74	N 32 31 14.49	W 103 37 52.03
	11736.00	75.26	175.14	11430.51	514.33	-510.84	541.30	4.55	744.29	133.34	553826.78	757782.18	N 32 31 14.05	W 103 37 51.99
	11783.00	79.60	174.11	11440.74	560.02	-556.50	545.60	9.48	779.34	135.57	553781.12	757786.48	N 32 31 13.60	W 103 37 51.94
	11830.00	82.79	176.08	11447.93	606.31	-602.77	549.57	7.95	815.70	137.64	553734.85	757790.45	N 32 31 13.14	W 103 37 51.90
	11925.00	88.39	178.84	11455.23	700.91	-697.35	553.76	6.57	890.47	141.55	553640.28	757794.63	N 32 31 12.20	W 103 37 51.86
	12020.00	89.18	178.69	11457.25	795.88	-792.31	555.80	0.85	967.82	144.95	553545.32	757796.68	N 32 31 11.26	W 103 37 51.84
	12091.00	89.43	180.40	11458.11	866.86	-863.28	557.61	0.54	1027.70	147.14	553474.36	757798.48	N 32 31 10.50	W 103 37 51.83
	12185.00	90.25	178.23	11458.37	960.84	-957.24	560.37	0.89	1109.20	149.66	553380.40	757801.25	N 32 31 9.63	W 103 37 51.80
	12279.00	90.39	178.32	11457.85	1054.81	-1051.19	563.20	0.18	1192.56	151.82	553286.45	757804.08	N 32 31 8.70	W 103 37 51.78
	12374.00	90.12	180.38	11457.42	1149.80	-1146.18	564.28	2.19	1277.55	153.79	553191.47	757805.16	N 32 31 7.76	W 103 37 51.77
	12468.00	90.02	180.67	11457.31	1243.79	-1240.18	563.42	0.33	1362.16	155.57	553097.47	757804.29	N 32 31 6.83	W 103 37 51.79
	12563.00	90.14	180.74	11457.18	1338.77	-1335.17	562.25	0.15	1448.72	157.16	553002.48	757803.12	N 32 31 5.89	W 103 37 51.81
	12657.00	90.17	180.52	11456.92	1432.76	-1429.16	561.21	0.24	1535.40	158.56	552908.49	757802.09	N 32 31 4.96	W 103 37 51.83
	12752.00	90.29	180.90	11456.54	1527.74	-1524.15	560.04	0.42	1623.79	159.82	552813.51	757800.91	N 32 31 4.02	W 103 37 51.85
	12847.00	90.29	180.70	11456.06	1622.72	-1619.14	558.71	0.21	1712.83	160.96	552718.52	757799.59	N 32 31 3.08	W 103 37 51.87
	12941.00	90.19	180.96	11455.67	1716.70	-1713.13	557.35	0.30	1801.52	161.98	552624.53	757798.23	N 32 31 2.15	W 103 37 51.90
	13036.00	90.13	181.18	11455.40	1811.67	-1808.12	555.57	0.24	1891.55	162.92	552529.56	757796.45	N 32 31 1.21	W 103 37 51.92
	13131.00	89.67	180.42	11455.57	1906.65	-1903.11	554.25	0.94	1982.17	163.76	552434.57	757795.13	N 32 31 0.27	W 103 37 51.95
	13225.00	89.75	179.96	11456.04	2000.64	-1997.10	553.94	0.50	2072.50	164.50	552340.58	757794.81	N 32 30 59.34	W 103 37 51.96
	13320.00	89.89	179.19	11456.34	2095.64	-2092.10	554.64	0.82	2164.37	165.15	552245.58	757795.52	N 32 30 58.40	W 103 37 51.96
	13414.00	89.27	179.44	11457.03	2189.64	-2186.09	555.76	0.71	2255.63	165.74	552151.60	757796.64	N 32 30 57 5	

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 ° ' ")
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	Minis 1 Fed Com 3BS 5H / Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Minis 1 Fed Com 3BS 5H /						
	1	26.000	26.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG-Depth Only	Chisholm Minis 1 Fed Com 3BS 5H MWD 0' to 18876' MD Minis 1 Fed Com 3BS 5H /						
	1	26.000	1521.000	Act Stns	17.500	13.375	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS Minis 1 Fed Com 3BS 5H /						
	1	1521.000	5655.000	Act Stns	12.250	9.625	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS Minis 1 Fed Com 3BS 5H /						
	1	5655.000	12000.000	Act Stns	8.750	7.000	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS Minis 1 Fed Com 3BS 5H /						
	1	12000.000	18876.000	Act Stns	8.500	5.500	NAL_MWD_1.0_DEG	Chisholm Minis 1 Fed Com 3BS						

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.**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM62924
2. Name of Operator CHISHOLM ENERGY OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: JENNIFER ELROD Email: JELROD@CHISHOLMENERGY.COM		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 801 CHERRY STREET SUITE 1200 UNIT 20 FORT WORTH, TX 76102	3b. Phone No. (include area code) Ph: 817-953-3728	8. Well Name and No. MINIS 1 FED COM 3BS 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 1 T21S R32E 150FNL 1250FWL 32.521942 N Lat, 103.632301 W Lon		9. API Well No. 30-025-44848-00-X1
		10. Field and Pool or Exploratory Area WC025G08S213304D
		11. County or Parish, State LEA COUNTY, NM

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

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

COMPLETIONS/PRODUCTION START UP SUNDRY

10/19-10/20/2020- PBTD@ 18848'MD
-RAN CBL W/ EST TOC @ SURFACE

10/20/2020-SET PLUG @ 18760'MD
-PRESSURE TEST 5 1/2" PROD CSG TO 9800 PSI, 30 MIN, GOOD TEST
-PERFORATE STAGE 1 @ 18745'-18595'

10/30-11/11/2020-PERFORATE STAGES 2-35 @ 18565'-11455'
-FRACTURE ALL 35 STAGES W/923 BBLS HCL + 386080 BBLS SW W/11920027# 100 MESH + 6502191# 40/70 SAND

14. I hereby certify that the foregoing is true and correct. Electronic Submission #538287 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 (21PP0630SE)	
Name (Printed/Typed) JENNIFER ELROD	Title SR. REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/23/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JONATHON SHEPARD Title PETROELUM ENGINEER	Date 12/30/2020
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 #538287 that would not fit on the form

32. Additional remarks, continued

11/13-11/17/2020-DRILL OUT

11/20/2020-TURNED WELL OVER TO PRODUCTION DEPARTMENT

11/23/2020-BEGIN FLOWBACK

REQUEST FOR OCD EXTENSION OF TIME TO FILE BLM-APPROVED FROM 3160-4

Revisions to Operator-Submitted EC Data for Sundry Notice #538287

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	STARTUP SR	STARTUP SR
Lease:	NMNM62924	NMNM62924
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:	WC025G08S213304D;BNSPRING	WC025G08S213304D
Well/Facility:	MINIS 1 FEDERAL COM 3BS 5H Sec 1 T21S R32E Mer NMP 135FNL 1220FWL 32.521983 N Lat, 103.632953 W Lon	MINIS 1 FED COM 3BS 5H Sec 1 T21S R32E 150FNL 1250FWL 32.521942 N Lat, 103.632301 W Lon

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. 30-025-44848		
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. Temp Comp until BLM Approved Equivalent is available		
5. Lease Name or Unit Agreement Name MINIS 1 FED COM 3BS								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 WC-025 G-08 S213304D; BONE SPRING			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:		1	21S	32E	4	135	NORTH	1250	WEST	LEA
BH:	N	1	21S	32E		81	SOUTH	1820	WEST	LEA
13. Date Spudded 09/18/2020	14. Date T.D. Reached 10/07/2020		15. Date Rig Released 10/10/2020			16. Date Completed (Ready to Produce) 11/23/2020		17. Elevations (DF and RKB, RT, GR, etc.) 3702 GR		
18. Total Measured Depth of Well 18876'MD/11478'TVD			19. Plug Back Measured Depth 18848'MD/11478'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 11455-18745 WC-025 G-08 S213304D; 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		1521'		17.5"		1300 sxs, Class C		0
9.625"		40# J-55		5659'		12.25"		1619 sxs, Class C		0
5.5"		20# P-110		18852'		8.75"		2555 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) 11455'-18745' MD; 0.42", 1960 holes					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
					11455-18745		923 bbls HCl + 386080 bbls SW w/11920027# 100 Mesh			
							+ 6502191# 40/70 Sand			
28. PRODUCTION										
Date First Production 11/24/2020		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod				
Date of Test 12/13/2020	Hours Tested 24	Choke Size 64/64	Prod'n For Test Period	Oil - Bbl 1431	Gas - MCF 1677	Water - Bbl. 3918	Gas - Oil Ratio 1172			
Flow Tubing Press. 0	Casing Pressure 400	Calculated 24-Hour Rate	Oil - Bbl. 1431	Gas - MCF 1677	Water - Bbl. 3918	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	T. Canyon	T. Ojo Alamo	T. Penn A "
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	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	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

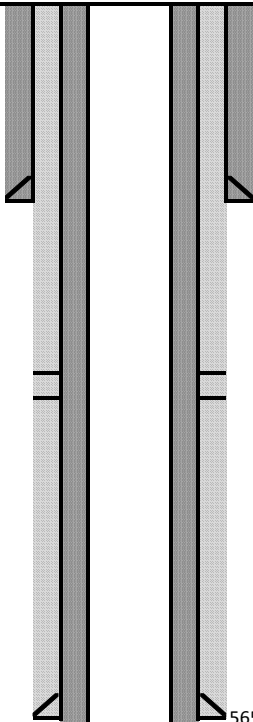
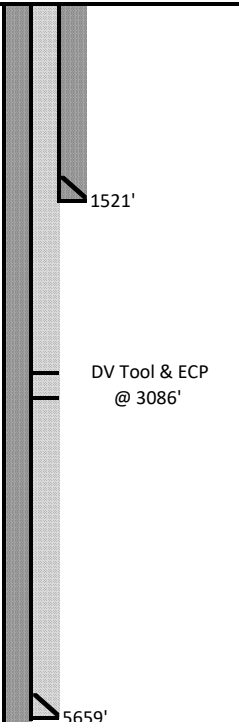
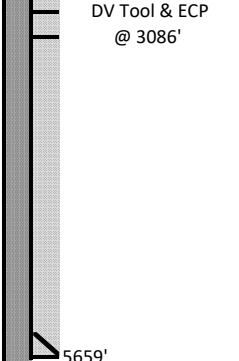
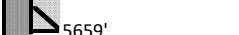
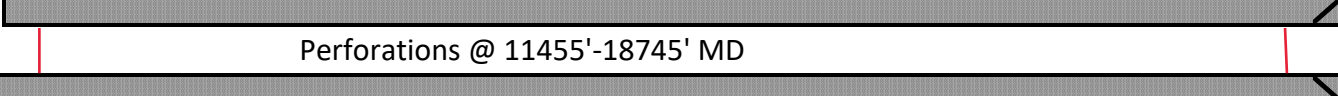
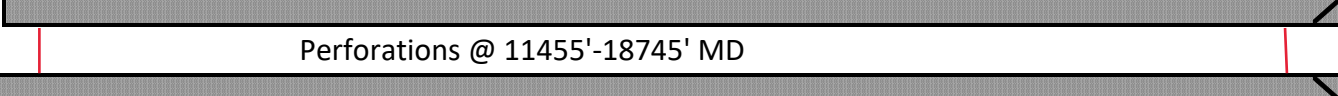
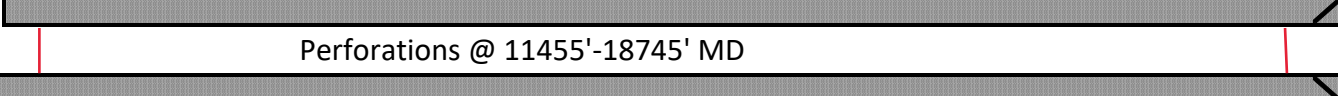
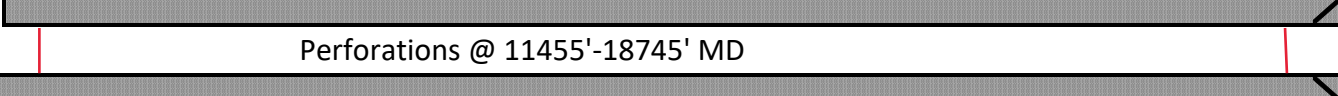
No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

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	Geological	Wellbore Sketch		Hole Size	Casing	Drilling Fluids	Cement	OH Logs/Evaluation
ft-RKB	Tops							
1,000'	1,488 Rustler			17-1/2"	Surface: 36 jts. 13-3/8" 54.5# J55 BTC	FW Spud Mud 8.5 - 9.2 ppg 32 - 38 FV 4-6 PV 2-5 YP	Top of Lead: Surface 12.8 ppg 1.94 cuft/sk 715 sks Top of Tail: 1,000' 14.8 ppg 1.4 cuft/sk 585 sks (373 sks Circulated to Surface)	
2,000'	1,868 Salado			12-1/4"	Intermediate 1: 139 jts. 9-5/8" 40# J55 LTC	Saturated Brine 10.0 - 10.3 ppg 28 - 32 FV	Stage 1 Top of Lead: 3086' 11.5 ppg 2.79 cuft/sk 465 sks - 100% XS Top of Tail: 5,250' 14.4 ppg 1.25 cuft/sk 280 sks (161 sks Circulated to Surface) Stage 2 Top of Lead: Surface 11.5 ppg 2.79 cuft/sk 765 sks Top Out Cmt 109 sks @ 1.34 cuft/sk (75 sks Circulated to Surface)	
3,000'	3,128 Yates				DV Tool & ECP @ 3086'	8-3/4" Curve 8-1/2" Lateral	Production: 420 jts. 5-1/2" 20# P110 BTC Set @ 18852'MD	OBM 9.3 - 9.8 ppg 15 - 20 PV 8 - 12 YP
3,493	Capitan Reef							
4,000'								
5,000'								
5,728	Delaware Mtn Gr							
6,000'								
8,000'	8,708 Bone Spring			Perforations @ 11455'-18745' MD				18876' MD 11478' TVD
9,693	1st Bone Spring SS							
10,208	2nd Bone Spring SS							
11,000'	11,168 3rd Bone Spring SS							
11,443	Wolfcamp							
12,000'								

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 41102

ACKNOWLEDGMENTS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 41102
	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 41102

CONDITIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 41102
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	9/20/2021