

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76102		² OGRID Number 373986	
		³ Reason for Filing Code/ Effective Date NW/8/28/2021	
⁴ API Number 30 – 025-48132	⁵ Pool Name WC-025 G-09 S263619C; Wolfcamp JABALINA; WOLFCAMP, SOUTH		⁶ Pool Code WEST 98234 96776
⁷ Property Code 329879	⁸ Property Name Cattlemen Fed Com		⁹ Well Number 514H

II. ¹⁰ Surface Location

UL or lot no. H	Section 17	Township 26S	Range 35E	Lot Idn	Feet from the 1948’	North/South Line N	Feet from the 922’	East/West line E	County Lea
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¹¹ Bottom Hole Location

UL or lot no. P	Section 20	Township 26S	Range 35E	Lot Idn	Feet from the 53’	North/South line S	Feet from the 507’	East/West line E	County Lea
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 8/28/2021		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

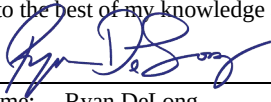
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
319135	Western Refining Pipeline, LLC 200 E. Hardin Street Findlay, OH 45840	O
371960	Lucid Energy Delaware, LLC 3100 Mckinnon Street, Suite 800 Dallas, TX 76201	G
308339	Oilfield Water Logistics 8201 Preston Rd, Suite 520 Dallas, TX	W

IV. Well Completion Data

²¹ Spud Date 4/23/2021	²² Ready Date 8/28/2021	²³ TD 21,341’	²⁴ PBDT 21,341’	²⁵ Perforations 13,574-21,279’	²⁶ DHC, MC N/A
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
13.5		10.75		1190’	
9.875		7.625		12,177’	
6.75		5.5		11,934’	
		5		21,341’	
				1325 Class H	

V. Well Test Data

³¹ Date New Oil 8/29/2021	³² Gas Delivery Date 8/28/2021	³³ Test Date 9/23/2021	³⁴ Test Length 24hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1661
³⁷ Choke Size 40	³⁸ Oil 1350	³⁹ Water 6988	⁴⁰ Gas 1798		⁴¹ Test Method
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: Ryan DeLong			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Manager			Title: PETROLEUM SPECIALIST		
E-mail Address: rdelong@titusoil.com			Approval Date: 1/7/2025		
Date: 2/1/2022		Phone: 817-852-6370			

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 30-025-48132	2 Pool Code 98234 96776	3 Pool Name WC-025 G-09 S263619C; Wolfcamp JABALINA; WOLFCAMP, SOUTHWEST
4 Property Code 329879	5 Property Name CATTLEMEN FED COM	6 Well Number 514H
7 OGRID No. 373986	8 Operator Name TITUS OIL & GAS PRODUCTION LLC	9 Elevation 3217'

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
H	17	26-S	35-E		1948'	NORTH	922'	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
P	20	26-S	35-E		53'	SOUTH	507'	EAST	LEA

12 Dedicated Acres 240	13 Joint or Infill Y	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>Ryan DeLong</i> 8/12/2021 Signature Date Ryan DeLong - Regulatory Manager Printed Name rdelong@titusoil.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. <i>Mark J. Murray</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number 8/11/2021



Titus Oil & Gas Production, LLC

Lea County, NM (NAD27 NME)

Cattleman Fed Com - Deep

Cattleman Fed Com 514H

OH / 67734

Survey: Phoenix MWD Surveys - Corrected 1

Standard Survey Report

04 June, 2021





Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 514H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3243.50usft (H&P 474)
Site:	Cattleman Fed Com - Deep	MD Reference:	RKB @ 3243.50usft (H&P 474)
Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

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

Site	Cattleman Fed Com - Deep		
Site Position:		Northing:	381,417.66 usft
From:	Map	Easting:	794,350.48 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 42.261108 N
		Longitude:	103° 23' 0.072672 W
		Grid Convergence:	0.50 °

Well	Cattleman Fed Com 514H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 42.261108 N
		Longitude:	103° 23' 0.421224 W
		Ground Level:	3,217.00 usft

Wellbore	OH / 67734		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	5/19/2021	6.35
			Dip Angle (°)
			59.63
			Field Strength (nT)
			47,468.40077143

Design	Surveys (H&P 474)		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°)
			179.44

Survey Program	Date	6/4/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
174.00	21,341.00	Phoenix MWD Surveys - Corrected 1 (OH)	MWD+HDGM+MS	OWSG Rev.2 MWD + HDGM + Multi-Station Correction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174.00	1.64	117.30	173.98	-1.14	2.21	1.16	0.94	0.94	0.00
First Phoenix MWD Survey									
284.00	0.36	123.46	283.96	-2.05	3.90	2.09	1.17	-1.16	5.60
407.00	0.11	123.69	406.96	-2.33	4.32	2.38	0.20	-0.20	0.19
497.00	0.34	79.07	496.96	-2.33	4.65	2.38	0.30	0.26	-49.58
589.00	0.40	81.74	588.95	-2.23	5.24	2.28	0.07	0.07	2.90
680.00	0.44	286.95	679.95	-2.09	5.22	2.14	0.90	0.04	-170.10
770.00	0.88	294.90	769.95	-1.69	4.26	1.73	0.50	0.49	8.83
861.00	0.95	299.93	860.93	-1.02	2.98	1.05	0.12	0.08	5.53
951.00	0.82	295.19	950.92	-0.38	1.75	0.39	0.17	-0.14	-5.27



Survey Report



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Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,041.00	0.79	283.80	1,040.92	0.05	0.56	-0.04	0.18	-0.03	-12.66
1,136.00	0.86	288.94	1,135.91	0.43	-0.75	-0.44	0.11	0.07	5.41
1,232.00	0.40	291.52	1,231.90	0.79	-1.74	-0.81	0.48	-0.48	2.69
1,323.00	0.32	289.94	1,322.90	0.99	-2.28	-1.02	0.09	-0.09	-1.74
1,415.00	0.35	287.37	1,414.90	1.16	-2.79	-1.19	0.04	0.03	-2.79
1,507.00	1.43	107.83	1,506.89	0.90	-1.96	-0.92	1.93	1.17	-195.15
1,600.00	2.90	105.99	1,599.82	-0.11	1.40	0.12	1.58	1.58	-1.98
1,693.00	2.93	106.44	1,692.70	-1.43	5.95	1.48	0.04	0.03	0.48
1,784.00	3.10	107.49	1,783.57	-2.82	10.52	2.93	0.20	0.19	1.15
1,876.00	3.17	104.45	1,875.44	-4.21	15.36	4.36	0.20	0.08	-3.30
1,970.00	3.28	102.35	1,969.29	-5.43	20.50	5.63	0.17	0.12	-2.23
2,065.00	3.35	101.65	2,064.13	-6.57	25.88	6.83	0.09	0.07	-0.74
2,159.00	3.51	100.15	2,157.96	-7.63	31.40	7.94	0.20	0.17	-1.60
2,254.00	3.59	97.98	2,252.78	-8.56	37.21	8.92	0.16	0.08	-2.28
2,348.00	3.71	96.39	2,346.59	-9.31	43.14	9.73	0.17	0.13	-1.69
2,443.00	3.92	93.46	2,441.38	-9.84	49.44	10.33	0.30	0.22	-3.08
2,538.00	4.03	91.44	2,536.15	-10.12	56.02	10.67	0.19	0.12	-2.13
2,633.00	4.06	90.40	2,630.91	-10.23	62.72	10.84	0.08	0.03	-1.09
2,728.00	4.36	87.39	2,725.65	-10.09	69.69	10.77	0.39	0.32	-3.17
2,823.00	3.12	100.70	2,820.45	-10.41	75.84	11.15	1.59	-1.31	14.01
2,918.00	3.28	105.99	2,915.30	-11.64	80.99	12.43	0.35	0.17	5.57
3,012.00	3.65	102.81	3,009.13	-13.04	86.49	13.88	0.44	0.39	-3.38
3,107.00	3.76	99.60	3,103.93	-14.23	92.51	15.13	0.25	0.12	-3.38
3,202.00	3.28	90.99	3,198.75	-14.80	98.30	15.76	0.75	-0.51	-9.06
3,297.00	3.55	86.87	3,293.59	-14.68	103.95	15.70	0.38	0.28	-4.34
3,392.00	3.77	84.34	3,388.39	-14.21	110.00	15.29	0.29	0.23	-2.66
3,486.00	4.18	82.10	3,482.17	-13.44	116.47	14.58	0.47	0.44	-2.38
3,581.00	4.39	77.78	3,576.90	-12.19	123.45	13.40	0.41	0.22	-4.55
3,675.00	4.56	74.43	3,670.61	-10.43	130.57	11.70	0.33	0.18	-3.56
3,770.00	3.81	74.13	3,765.36	-8.55	137.24	9.89	0.79	-0.79	-0.32
3,865.00	3.87	74.65	3,860.15	-6.84	143.37	8.24	0.07	0.06	0.55
3,960.00	4.06	75.77	3,954.92	-5.16	149.72	6.63	0.22	0.20	1.18
4,056.00	4.25	77.21	4,050.67	-3.54	156.48	5.07	0.23	0.20	1.50
4,150.00	4.16	81.08	4,144.41	-2.24	163.25	3.84	0.32	-0.10	4.12
4,243.00	3.97	82.02	4,237.18	-1.27	169.77	2.93	0.22	-0.20	1.01
4,338.00	4.00	81.83	4,331.95	-0.34	176.30	2.07	0.03	0.03	-0.20
4,433.00	3.95	83.02	4,426.72	0.52	182.83	1.26	0.10	-0.05	1.25
4,527.00	3.96	80.73	4,520.50	1.44	189.25	0.41	0.17	0.01	-2.44
4,622.00	4.15	78.24	4,615.26	2.67	195.85	-0.76	0.27	0.20	-2.62
4,717.00	4.58	82.39	4,709.99	3.87	202.98	-1.89	0.56	0.45	4.37
4,812.00	3.46	95.54	4,804.75	4.10	209.59	-2.05	1.52	-1.18	13.84
4,906.00	3.45	109.93	4,898.58	2.86	215.07	-0.76	0.92	-0.01	15.31
5,001.00	3.88	112.59	4,993.39	0.65	220.73	1.51	0.49	0.45	2.80



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 514H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3243.50usft (H&P 474)
Site:	Cattleman Fed Com - Deep	MD Reference:	RKB @ 3243.50usft (H&P 474)
Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,095.00	4.26	112.72	5,087.15	-1.92	226.88	4.14	0.40	0.40	0.14	
5,190.00	2.84	112.23	5,181.97	-4.17	232.32	6.44	1.50	-1.49	-0.52	
5,284.00	1.70	117.26	5,275.89	-5.69	235.71	8.00	1.23	-1.21	5.35	
5,378.00	1.71	117.27	5,369.85	-6.97	238.20	9.30	0.01	0.01	0.01	
5,473.00	1.83	114.47	5,464.80	-8.25	240.84	10.60	0.16	0.13	-2.95	
5,568.00	2.81	103.66	5,559.73	-9.43	244.48	11.82	1.13	1.03	-11.38	
5,663.00	2.96	101.73	5,654.61	-10.48	249.15	12.91	0.19	0.16	-2.03	
5,757.00	3.01	98.19	5,748.48	-11.32	253.97	13.80	0.20	0.05	-3.77	
5,852.00	3.14	99.08	5,843.34	-12.09	259.00	14.62	0.15	0.14	0.94	
5,946.00	3.17	98.10	5,937.20	-12.86	264.12	15.44	0.07	0.03	-1.04	
6,041.00	3.09	98.26	6,032.06	-13.60	269.25	16.23	0.08	-0.08	0.17	
6,136.00	3.02	94.26	6,126.92	-14.15	274.28	16.83	0.24	-0.07	-4.21	
6,231.00	3.03	94.15	6,221.79	-14.52	279.28	17.25	0.01	0.01	-0.12	
6,325.00	3.16	92.67	6,315.65	-14.82	284.35	17.60	0.16	0.14	-1.57	
6,420.00	3.11	90.62	6,410.51	-14.97	289.54	17.80	0.13	-0.05	-2.16	
6,515.00	3.23	90.52	6,505.36	-15.02	294.80	17.90	0.13	0.13	-0.11	
6,610.00	2.95	92.00	6,600.23	-15.13	299.91	18.06	0.31	-0.29	1.56	
6,705.00	4.11	84.34	6,695.05	-14.88	305.75	17.87	1.32	1.22	-8.06	
6,799.00	4.65	84.88	6,788.77	-14.21	312.89	17.27	0.58	0.57	0.57	
6,895.00	4.80	83.88	6,884.44	-13.43	320.76	16.57	0.18	0.16	-1.04	
6,989.00	4.75	83.79	6,978.12	-12.59	328.54	15.80	0.05	-0.05	-0.10	
7,085.00	4.70	83.34	7,073.79	-11.71	336.40	15.00	0.06	-0.05	-0.47	
7,179.00	4.60	85.25	7,167.48	-10.95	343.98	14.31	0.20	-0.11	2.03	
7,274.00	4.40	82.73	7,262.19	-10.17	351.39	13.61	0.30	-0.21	-2.65	
7,369.00	4.32	80.89	7,356.91	-9.14	358.54	12.65	0.17	-0.08	-1.94	
7,463.00	4.27	78.92	7,450.65	-7.91	365.47	11.48	0.17	-0.05	-2.10	
7,558.00	3.99	74.94	7,545.40	-6.37	372.13	10.01	0.42	-0.29	-4.19	
7,653.00	3.85	75.95	7,640.18	-4.74	378.42	8.44	0.16	-0.15	1.06	
7,748.00	3.58	79.91	7,734.98	-3.45	384.43	7.20	0.39	-0.28	4.17	
7,842.00	3.36	79.20	7,828.81	-2.42	390.03	6.23	0.24	-0.23	-0.76	
7,938.00	3.05	85.61	7,924.66	-1.69	395.34	5.56	0.49	-0.32	6.68	
8,033.00	2.79	87.60	8,019.54	-1.40	400.17	5.31	0.29	-0.27	2.09	
8,125.00	3.72	86.40	8,111.39	-1.12	405.38	5.08	1.01	1.01	-1.30	
8,219.00	3.96	82.94	8,205.18	-0.53	411.65	4.55	0.35	0.26	-3.68	
8,314.00	3.14	76.68	8,299.99	0.47	417.44	3.61	0.95	-0.86	-6.59	
8,409.00	2.71	77.49	8,394.87	1.56	422.16	2.57	0.45	-0.45	0.85	
8,503.00	3.48	80.52	8,488.73	2.51	427.14	1.67	0.84	0.82	3.22	
8,598.00	3.69	82.45	8,583.55	3.38	433.02	0.85	0.25	0.22	2.03	
8,693.00	3.55	80.99	8,678.36	4.25	438.95	0.04	0.18	-0.15	-1.54	
8,787.00	3.59	80.43	8,772.17	5.19	444.73	-0.85	0.06	0.04	-0.60	
8,882.00	3.49	77.67	8,866.99	6.30	450.49	-1.90	0.21	-0.11	-2.91	
8,977.00	3.34	73.90	8,961.82	7.69	455.97	-3.23	0.28	-0.16	-3.97	
9,070.00	3.20	71.14	9,054.67	9.28	461.03	-4.77	0.23	-0.15	-2.97	



Survey Report



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Design:	Surveys (H&P 474)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,165.00	2.82	62.73	9,149.54	11.21	465.62	-6.66	0.61	-0.40	-8.85
9,258.00	2.20	61.73	9,242.45	13.10	469.22	-8.51	0.67	-0.67	-1.08
9,352.00	1.30	96.21	9,336.41	13.84	471.87	-9.23	1.43	-0.96	36.68
9,447.00	0.96	97.74	9,431.39	13.62	473.73	-8.99	0.36	-0.36	1.61
9,543.00	0.66	130.46	9,527.38	13.15	474.95	-8.51	0.56	-0.31	34.08
9,638.00	0.88	123.33	9,622.37	12.39	475.97	-7.74	0.25	0.23	-7.51
9,731.00	0.83	114.42	9,715.36	11.72	477.18	-7.06	0.15	-0.05	-9.58
9,825.00	1.30	137.39	9,809.35	10.66	478.53	-5.98	0.67	0.50	24.44
9,920.00	1.50	140.55	9,904.32	8.90	480.05	-4.21	0.23	0.21	3.33
10,014.00	0.98	139.19	9,998.30	7.34	481.35	-2.64	0.55	-0.55	-1.45
10,109.00	0.57	152.97	10,093.29	6.31	482.10	-1.60	0.47	-0.43	14.51
10,204.00	0.29	213.41	10,188.29	5.69	482.18	-0.97	0.52	-0.29	63.62
10,299.00	0.40	299.10	10,283.28	5.65	481.76	-0.94	0.50	0.12	90.20
10,394.00	0.71	308.94	10,378.28	6.18	481.01	-1.48	0.34	0.33	10.36
10,489.00	0.88	284.10	10,473.27	6.73	479.85	-2.04	0.40	0.18	-26.15
10,583.00	0.97	287.49	10,567.26	7.14	478.39	-2.47	0.11	0.10	3.61
10,679.00	0.98	278.81	10,663.24	7.51	476.80	-2.85	0.15	0.01	-9.04
10,774.00	1.25	291.96	10,758.23	8.02	475.04	-3.38	0.39	0.28	13.84
10,868.00	1.01	289.87	10,852.21	8.69	473.31	-4.06	0.26	-0.26	-2.22
10,964.00	0.44	284.59	10,948.20	9.07	472.15	-4.45	0.60	-0.59	-5.50
11,059.00	0.23	273.01	11,043.20	9.17	471.61	-4.56	0.23	-0.22	-12.19
11,154.00	0.06	338.69	11,138.20	9.23	471.40	-4.62	0.22	-0.18	69.14
11,249.00	0.36	85.81	11,233.20	9.30	471.68	-4.68	0.40	0.32	112.76
11,344.00	0.79	86.55	11,328.19	9.36	472.63	-4.74	0.45	0.45	0.78
11,439.00	1.13	59.66	11,423.18	9.87	474.10	-5.23	0.58	0.36	-28.31
11,532.00	0.89	40.99	11,516.17	10.88	475.36	-6.23	0.43	-0.26	-20.08
11,627.00	0.78	27.71	11,611.16	12.01	476.15	-7.35	0.23	-0.12	-13.98
11,721.00	0.88	45.30	11,705.15	13.08	476.96	-8.42	0.29	0.11	18.71
11,816.00	0.77	55.57	11,800.14	13.95	478.00	-9.28	0.19	-0.12	10.81
11,911.00	0.22	352.04	11,895.13	14.50	478.50	-9.82	0.74	-0.58	-66.87
12,006.00	0.22	276.49	11,990.13	14.70	478.30	-10.02	0.28	0.00	-79.53
12,101.00	0.53	249.35	12,085.13	14.56	477.70	-9.89	0.37	0.33	-28.57
12,115.00	0.55	250.74	12,099.13	14.52	477.58	-9.85	0.17	0.14	9.93
12,221.00	1.48	229.33	12,205.11	13.46	476.06	-8.80	0.93	0.88	-20.20
12,316.00	2.05	226.10	12,300.07	11.48	473.91	-6.85	0.61	0.60	-3.40
12,363.00	2.20	225.92	12,347.03	10.27	472.65	-5.65	0.32	0.32	-0.38
12,411.00	2.05	225.72	12,395.00	9.03	471.38	-4.42	0.31	-0.31	-0.42
12,458.00	6.79	186.23	12,441.86	5.68	470.47	-1.08	11.42	10.09	-84.02
12,505.00	13.30	171.36	12,488.12	-2.44	470.98	7.04	14.80	13.85	-31.64
12,552.00	22.08	167.17	12,532.85	-16.42	473.76	21.05	18.86	18.68	-8.91
12,600.00	26.95	166.54	12,576.51	-35.81	478.30	40.48	10.16	10.15	-1.31
12,648.00	31.80	170.61	12,618.33	-58.88	482.90	63.60	10.92	10.10	8.48
12,696.00	36.44	181.26	12,658.09	-85.65	484.65	90.38	15.73	9.67	22.19
12,743.00	40.59	184.91	12,694.87	-114.86	483.03	119.57	10.06	8.83	7.77



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 514H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3243.50usft (H&P 474)
Site:	Cattleman Fed Com - Deep	MD Reference:	RKB @ 3243.50usft (H&P 474)
Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,791.00	42.15	184.92	12,730.89	-146.46	480.32	151.15	3.25	3.25	0.02
12,838.00	42.59	185.40	12,765.61	-178.01	477.47	182.67	1.16	0.94	1.02
12,886.00	42.93	186.06	12,800.85	-210.43	474.21	215.06	1.17	0.71	1.38
12,933.00	43.22	186.77	12,835.19	-242.33	470.63	246.92	1.20	0.62	1.51
12,981.00	43.73	187.33	12,870.02	-275.11	466.57	279.65	1.33	1.06	1.17
13,028.00	44.62	187.77	12,903.73	-307.57	462.27	312.08	2.00	1.89	0.94
13,076.00	48.13	186.20	12,936.84	-342.06	458.06	346.52	7.69	7.31	-3.27
13,124.00	53.02	181.63	12,967.32	-379.02	455.58	383.46	12.56	10.19	-9.52
13,171.00	58.48	178.82	12,993.77	-417.85	455.46	422.28	12.62	11.62	-5.98
13,218.00	63.53	177.03	13,016.54	-458.92	456.96	463.36	11.25	10.74	-3.81
13,266.00	67.58	177.11	13,036.40	-502.55	459.19	507.01	8.44	8.44	0.17
13,313.00	70.77	179.73	13,053.11	-546.45	460.39	550.92	8.56	6.79	5.57
13,360.00	75.97	182.29	13,066.56	-591.46	459.59	595.92	12.23	11.06	5.45
13,408.00	83.27	184.70	13,075.21	-638.55	456.70	642.98	15.99	15.21	5.02
13,455.00	86.57	185.21	13,079.37	-685.18	452.66	689.57	7.10	7.02	1.09
13,551.00	90.02	183.86	13,082.22	-780.82	445.07	785.13	3.86	3.59	-1.41
13,561.00	90.16	184.22	13,082.21	-790.80	444.37	795.10	3.86	1.43	3.59
FTP: 13561'MD/13082.21'TVD									
13,646.00	91.38	187.27	13,081.06	-875.35	435.86	879.57	3.86	1.43	3.59
13,742.00	89.53	186.12	13,080.30	-970.69	424.67	974.79	2.27	-1.93	-1.20
13,836.00	89.22	180.59	13,081.33	-1,064.48	419.17	1,068.53	5.89	-0.33	-5.88
13,932.00	93.25	179.67	13,079.26	-1,160.44	418.95	1,164.48	4.31	4.20	-0.96
14,027.00	88.53	180.72	13,077.78	-1,255.40	418.63	1,259.43	5.09	-4.97	1.11
14,121.00	88.44	182.43	13,080.27	-1,349.33	416.05	1,353.33	1.82	-0.10	1.82
14,216.00	90.27	181.50	13,081.34	-1,444.26	412.79	1,448.23	2.16	1.93	-0.98
14,333.00	90.53	183.23	13,080.52	-1,561.15	407.96	1,565.07	1.50	0.22	1.48
14,428.00	90.29	183.24	13,079.84	-1,656.00	402.60	1,659.86	0.25	-0.25	0.01
14,523.00	92.03	183.87	13,077.92	-1,750.79	396.71	1,754.59	1.95	1.83	0.66
14,618.00	90.81	182.94	13,075.56	-1,845.60	391.07	1,849.33	1.61	-1.28	-0.98
14,713.00	88.59	180.68	13,076.06	-1,940.53	388.07	1,944.23	3.33	-2.34	-2.38
14,808.00	90.01	180.94	13,077.22	-2,035.52	386.73	2,039.20	1.52	1.49	0.27
14,904.00	87.36	179.22	13,079.42	-2,131.48	386.59	2,135.15	3.29	-2.76	-1.79
14,997.00	87.79	178.92	13,083.36	-2,224.38	388.10	2,228.07	0.56	0.46	-0.32
15,091.00	88.10	178.99	13,086.73	-2,318.31	389.82	2,322.00	0.34	0.33	0.07
15,186.00	88.96	179.11	13,089.17	-2,413.26	391.39	2,416.97	0.91	0.91	0.13
15,281.00	88.76	178.75	13,091.06	-2,508.22	393.16	2,511.95	0.43	-0.21	-0.38
15,375.00	88.93	178.47	13,092.95	-2,602.18	395.44	2,605.92	0.35	0.18	-0.30
15,470.00	90.59	177.39	13,093.35	-2,697.11	398.87	2,700.88	2.08	1.75	-1.14
15,565.00	90.70	177.00	13,092.28	-2,791.99	403.52	2,795.80	0.43	0.12	-0.41
15,660.00	90.16	176.51	13,091.57	-2,886.83	408.90	2,890.69	0.77	-0.57	-0.52
15,755.00	91.43	178.77	13,090.25	-2,981.74	412.81	2,985.63	2.73	1.34	2.38
15,850.00	91.83	179.06	13,087.55	-3,076.68	414.61	3,080.59	0.52	0.42	0.31
15,945.00	91.07	179.20	13,085.14	-3,171.64	416.05	3,175.55	0.81	-0.80	0.15



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 514H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3243.50usft (H&P 474)
Site:	Cattleman Fed Com - Deep	MD Reference:	RKB @ 3243.50usft (H&P 474)
Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
16,040.00	91.63	179.92	13,082.90	-3,266.61	416.78	3,270.53	0.96	0.59	0.76	
16,135.00	90.47	181.62	13,081.16	-3,361.58	415.51	3,365.48	2.17	-1.22	1.79	
16,229.00	87.45	180.38	13,082.87	-3,455.54	413.86	3,459.42	3.47	-3.21	-1.32	
16,325.00	88.05	180.35	13,086.64	-3,551.46	413.25	3,555.33	0.63	0.63	-0.03	
16,420.00	88.13	180.16	13,089.80	-3,646.41	412.83	3,650.27	0.22	0.08	-0.20	
16,515.00	86.89	180.09	13,093.93	-3,741.31	412.62	3,745.17	1.31	-1.31	-0.07	
16,610.00	88.24	180.32	13,097.97	-3,836.23	412.28	3,840.07	1.44	1.42	0.24	
16,705.00	89.85	180.01	13,099.55	-3,931.21	412.01	3,935.05	1.73	1.69	-0.33	
16,800.00	91.76	180.54	13,098.22	-4,026.19	411.56	4,030.02	2.09	2.01	0.56	
16,895.00	89.35	178.73	13,097.30	-4,121.18	412.16	4,125.01	3.17	-2.54	-1.91	
16,989.00	89.05	178.36	13,098.61	-4,215.14	414.55	4,218.99	0.51	-0.32	-0.39	
17,083.00	89.71	178.40	13,099.63	-4,309.09	417.20	4,312.97	0.70	0.70	0.04	
17,178.00	89.67	178.20	13,100.14	-4,404.05	420.02	4,407.94	0.21	-0.04	-0.21	
17,273.00	89.07	177.28	13,101.18	-4,498.97	423.77	4,502.90	1.16	-0.63	-0.97	
17,368.00	88.24	176.13	13,103.41	-4,593.78	429.23	4,597.76	1.49	-0.87	-1.21	
17,463.00	91.21	177.03	13,103.87	-4,688.60	434.89	4,692.63	3.27	3.13	0.95	
17,557.00	92.10	177.51	13,101.16	-4,782.45	439.37	4,786.52	1.08	0.95	0.51	
17,652.00	90.42	177.52	13,099.07	-4,877.34	443.49	4,881.44	1.77	-1.77	0.01	
17,747.00	91.07	176.82	13,097.83	-4,972.21	448.18	4,976.36	1.01	0.68	-0.74	
17,842.00	90.07	177.08	13,096.89	-5,067.07	453.23	5,071.26	1.09	-1.05	0.27	
17,936.00	90.35	178.32	13,096.54	-5,161.00	457.00	5,165.22	1.35	0.30	1.32	
18,031.00	88.85	180.66	13,097.21	-5,255.98	457.85	5,260.20	2.93	-1.58	2.46	
18,126.00	88.17	179.66	13,099.68	-5,350.95	457.58	5,355.16	1.27	-0.72	-1.05	
18,221.00	91.21	182.08	13,100.19	-5,445.91	456.14	5,450.11	4.09	3.20	2.55	
18,314.00	87.36	180.59	13,101.35	-5,538.86	453.97	5,543.03	4.44	-4.14	-1.60	
18,409.00	90.65	181.15	13,103.00	-5,633.82	452.53	5,637.98	3.51	3.46	0.59	
18,503.00	88.88	180.81	13,103.38	-5,727.81	450.92	5,731.94	1.92	-1.88	-0.36	
18,597.00	90.76	181.44	13,103.68	-5,821.78	449.08	5,825.89	2.11	2.00	0.67	
18,691.00	90.44	181.17	13,102.70	-5,915.75	446.94	5,919.84	0.45	-0.34	-0.29	
18,785.00	91.52	181.50	13,101.09	-6,009.71	444.75	6,013.77	1.20	1.15	0.35	
18,880.00	92.74	182.23	13,097.56	-6,104.59	441.66	6,108.62	1.50	1.28	0.77	
18,975.00	89.85	180.13	13,095.41	-6,199.53	439.70	6,203.53	3.76	-3.04	-2.21	
19,070.00	90.10	180.65	13,095.45	-6,294.53	439.06	6,298.52	0.61	0.26	0.55	
19,165.00	92.97	181.84	13,092.91	-6,389.46	437.00	6,393.43	3.27	3.02	1.25	
19,260.00	92.66	179.76	13,088.24	-6,484.33	435.67	6,488.28	2.21	-0.33	-2.19	
19,355.00	86.37	178.26	13,089.04	-6,579.27	437.31	6,583.23	6.81	-6.62	-1.58	
19,450.00	85.55	178.57	13,095.74	-6,673.99	439.93	6,677.97	0.92	-0.86	0.33	
19,545.00	84.79	178.79	13,103.74	-6,768.63	442.11	6,772.63	0.83	-0.80	0.23	
19,640.00	87.93	178.70	13,109.77	-6,863.40	444.19	6,867.42	3.31	3.31	-0.09	
19,736.00	88.17	178.90	13,113.03	-6,959.33	446.20	6,963.35	0.33	0.25	0.21	
19,831.00	90.08	177.47	13,114.48	-7,054.26	449.21	7,058.31	2.51	2.01	-1.51	
19,926.00	91.47	176.75	13,113.20	-7,149.13	454.00	7,153.22	1.65	1.46	-0.76	
20,021.00	89.05	175.75	13,112.77	-7,243.92	460.21	7,248.07	2.76	-2.55	-1.05	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well Cattleman Fed Com 514H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3243.50usft (H&P 474)
Site:	Cattleman Fed Com - Deep	MD Reference:	RKB @ 3243.50usft (H&P 474)
Well:	Cattleman Fed Com 514H	North Reference:	Grid
Wellbore:	OH / 67734	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 474)	Database:	USA Compass

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,116.00	92.23	178.90	13,111.71	-7,338.78	464.64	7,342.97	4.71	3.35	3.32
20,211.00	89.18	177.89	13,110.54	-7,433.72	467.30	7,437.94	3.38	-3.21	-1.06
20,306.00	89.65	178.61	13,111.51	-7,528.67	470.20	7,532.91	0.91	0.49	0.76
20,401.00	91.61	178.65	13,110.46	-7,623.64	472.48	7,627.89	2.06	2.06	0.04
20,496.00	91.80	179.28	13,107.64	-7,718.58	474.19	7,722.84	0.69	0.20	0.66
20,591.00	90.36	176.64	13,105.85	-7,813.49	477.57	7,817.79	3.16	-1.52	-2.78
20,686.00	90.89	177.17	13,104.81	-7,908.35	482.70	7,912.69	0.79	0.56	0.56
20,781.00	89.25	175.37	13,104.69	-8,003.14	488.88	8,007.53	2.56	-1.73	-1.89
20,876.00	91.29	177.99	13,104.25	-8,097.96	494.38	8,102.41	3.50	2.15	2.76
20,971.00	89.27	176.27	13,103.78	-8,192.84	499.14	8,197.32	2.79	-2.13	-1.81
21,065.00	91.69	178.04	13,102.99	-8,286.71	503.80	8,291.23	3.19	2.57	1.88
21,159.00	94.76	181.95	13,097.70	-8,380.53	503.82	8,385.05	5.28	3.27	4.16
21,253.00	95.43	181.63	13,089.36	-8,474.11	500.89	8,478.60	0.79	0.71	-0.34
Final Phoenix MWD Survey									
21,293.88	95.43	181.63	13,085.49	-8,514.79	499.73	8,519.27	0.00	0.00	0.00
LTP: 21293.88'MD/13085.49'TVD									
21,341.00	95.43	181.63	13,081.03	-8,561.68	498.40	8,566.14	0.00	0.00	0.00
Projection to TD									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
21,341.00	13,081.03	20" Casing	20	24

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
174.00	173.98	-1.14	2.21	First Phoenix MWD Survey
13,561.00	13,082.21	-790.80	444.37	FTP: 13561'MD/13082.21'TVD
21,253.00	13,089.36	-8,474.11	500.89	Final Phoenix MWD Survey
21,293.88	13,085.49	-8,514.79	499.73	LTP: 21293.88'MD/13085.49'TVD
21,341.00	13,081.03	-8,561.68	498.40	Projection to TD

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-48132
5. Indicate Type of Lease STATE ☐ FEED FED ☒
6. State Oil & Gas Lease No. 329879
7. Lease Name or Unit Agreement Name Cattlemen Fed Com
8. Well Number 514H
9. OGRID Number 373986
10. Pool name or Wildcat WC-025 G-09 S263619C; Wolfcamp

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Titus Oil & Gas Production, LLC	
3. Address of Operator 420 Throckmorton St, Ste 1150 Fort Worth, TX 76102	
4. Well Location Unit Letter <u>H</u> <u>2948</u> feet from the <u>North</u> line and <u>922</u> feet from the <u>East</u> line Section <u>17</u> Township <u>26S</u> Range <u>35E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3217'	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐ DOWNHOLE COMMINGLE ☐ CLOSED-LOOP SYSTEM ☐ OTHER: ☐		SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ P AND A ☐ CASING/CEMENT JOB ☐ OTHER: New Well Completion ☒	
---	--	---	--

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

TITUS HAS COMPLETED THE FOLLOWING
 7/8/2021 – PRESSURE UP CASING 9800PSI 30 MINUTES TEST
 7/19/2021 – PERF AND FRAC 51 STAGES, PERFS @ 13,574-21,279'
 FRAC WITH 413,782 BBL LIQUID AND 23,122,288 LBS OF PROPPANT
 8/14/2021 – DRILL OUT PLUGS
 TURN OVER TO PRODUCTION
 TD 21,341'

Spud Date: 4/23/2021

Rig Release Date: 5/17/2021

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Ryan DeLong TITLE Regulatory Manager DATE 2/1/2022

Type or print name Ryan DeLong E-mail address: rdelong@titusoil.com PHONE: 817-852-6370

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

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. 30-025-48132		
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 Cattlemen Fed Com		
								6. Well Number: 514H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Titus Oil & Gas Production, LLC						9. OGRID 373986				
10. Address of Operator 420 Throckmorton St, Ste 1150 Fort Worth, TX 76102						11. Pool name or Wildcat WC-025 G-09 S263619C; Wolfcamp				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	17	26S	35E		1948	N	922	E	Lea
BH:	P	20	26S	35E		53	S	507	E	Lea
13. Date Spudded 4/23/2021	14. Date T.D. Reached 5/17/2021		15. Date Rig Released 5/17/2021			16. Date Completed (Ready to Produce) 8/28/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3217' GR		
18. Total Measured Depth of Well 21,341'			19. Plug Back Measured Depth 21,341'			20. Was Directional Survey Made? Y		21. Type Electric and Other Logs Run		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
10.75		45.5		1190'		13.5		665sx		
7.625		29.7		12,177'		9.875		2320sx		
5.5		23		11,934'		6.75		1325sx		
5		18		21,341'		6.75				
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD				
						SIZE	DEPTH SET	PACKER SET		
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						13,574-21,279		Frac w/413,782 bbl liquid, 23,122,288 lbs prop		
28. PRODUCTION										
Date First Production 8/28/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod				
Date of Test 9/23/2021	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 1350	Gas - MCF 1798	Water - Bbl. 6988	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure 1661	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 47				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) sold								30. Test Witnessed By Titus		
31. List Attachments Directional Survey, C-102, C-103, C-104										
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 			Printed Name Ryan DeLong		Title Regulatory Manager		Date 2/1/2022			
E-mail Address rdelong@titusoil.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 1600	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5076	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 10,539	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
12,997			Wolfcamp

My Monitor for WCRID: 83868

Operator Name TITUS OIL AND GAS PRODUCTION LLC	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
SHL TRACT: H SEC: 17 TWN: 26S RNG: 35E	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status	Agreement Name	Agreement Number(s)
Allottee/Tribe	Well Pad Name CATTLEMEN	Well Pad Number 4	APD ID 10400053749

[Well Completion Print Report](#)

WCRx Worklist		Process Model					
View all process activities in chronological order.							
ID	Status	Activity	Completed By	Participant	Created Date	Deadline	Completed Date
101	Completed	Submit Well Completion Report	Ryan D DELONG	Ryan D DELONG	2022/4/14 3:02:12 PM		2022/4/14 3:40:51 PM
103	Completed	Initial Review	DINAH C NEGRETE	Adjudicator	2022/4/14 3:40:53 PM		2022/7/17 7:58:27 AM
Released to Imaging: 1/7/2025 11:38:03 AM		Final Review	DINAH C NEGRETE	Engineer	2022/7/17 7:58:29 AM		2022/7/17 7:59:24 AM



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

Well Completion Print

07/27/2022

Operator Name TITUS OIL AND GAS PRODUCTION LLC	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
SHL Tract H Sec 17 26S 35E	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Section 1 - General

Well Completion Report Id: 83868**Submission Date:** N/A until DB**BLM Office:** Carlsbad Field Office**User:** Ryan D DELONG**Title:** Regulatory Manager**Federal/Indian:** FEDERAL**Lease Number:** NMNM110841**Lease Acres:****Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Keep this Well Completion Report confidential?:****APD Operator:** TITUS OIL AND GAS PRODUCTION LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** WC WOLFCAMP**Field Name:** SANDERS TANK**Well Type:** OIL WELL**Spud Date:** 04-22-2021**Date Total Measured Depth Reached:** 05-16-2021**Drill & Abandon or Ready To Produce:** READY TO**Well Class:** HORIZONTAL

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
QUATERNARY	ALLUVIUM		3217	0	0	NONE	
RUSTLER	ANHYDRITE		2140	1104	1104	USEABLE WATER	

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
SALADO	SALT		1644	1600	1600	NONE	
BASE OF SALT	SALT		-1833	5076	5084	NONE	
LAMAR	LIMESTONE		-2159	5403	5411	NONE	
DELAWARE	SANDSTONE, SHAPE, SILTSTONE		-2192	5435	5444	NONE	
BONE SPRING LIME	LIMESTONE		-6075	9319	9334	NATURAL GAS, OIL	
BONE SPRING 1ST	LIMESTONE, SANDSTONE, SHAPE, SILTSTONE		-7295	10539	10554	NATURAL GAS, OIL	
BONE SPRING 2ND	LIMESTONE, SANDSTONE, SHAPE, SILTSTONE		-7815	11058	11074	NATURAL GAS, OIL	
BONE SPRING 3RD	LIMESTONE, SANDSTONE, SHAPE, SILTSTONE		-8948	12192	12208	NATURAL GAS, OIL	
WOLFCAMP	SHAPE		-9315	12559	12580	NATURAL GAS, OIL	

Completion and Completed

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM110841	NMNM110841	NEW		POW	08-29-2021	08-28-2021	Wolfcamp	13574	21279	Y	.41	1632	OPEN

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	413782	23122288	

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	47		GAS LIFT		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	09/22/2021	24	1350	1798	6988	1331				1661

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Well Location

Survey Type: RECTANGULAR

Survey Number:

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum: GL

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.045199	-103.383911	3217	FEDERAL	NMNM 110841				1948	FNL	922	FEL	26S	35E	17	Tract H
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.045212	-103.38239	-9178	FEDERAL	NMNM 110841				1898	FNL	412	FEL	26S	35E	17	Tract H
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.039683	-103.382718	-9860	FEDERAL	NMNM 126974				1335	FSL	514	FEL	26S	35E	17	Tract P
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.021654	-103.3826254	-9864	FEDERAL	NMNM 126974				59	FSL	446	FEL	26S	35E	20	Tract P
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.021654	-103.382545	-9864	FEDERAL	NMNM 126974				59	FSL	446	FEL	26S	35E	20	Tract P

Casing, Liner and Tubing

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	13.5	0	1190	10.75	45.5	J-55		BUTT		
00	PRODUCT ION	6.75	0	11934	5.5	23	P-110		BUTT		
00	INTERME DIATE	9.875	0	12177	7.625	29.7	L-80	L80HP	BUTT		
00	PRODUCT ION	6.75	11934	21341	5.0	18	P-110		BUTT		

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Class C	450	1.72	0	Class C	215	1.58	0	198.3
00	PRODUCT ION		60% Class H Premium	1325	1.3	0					306.8
00	INTERME DIATE		85% Class C	900	2.17	0	Class C Premium	150	1.33		2293.8
00	INTERME DIATE		HSLD 94 Premium	1020	3.94	0	HSLD 125	250	1.54	0	2293.8
00	PRODUCT ION		60% Class H Premium	1325	1.3	0					306.8

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM	Well Number 514H	US Well Number 3002548132
	County LEA	State NM	Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00									

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator Name TITUS OIL AND GAS PRODUCTION LLC SHL Tract H Sec 17 26S 35E	Well Name CATTLEMEN FED COM County LEA	Well Number 514H State NM	US Well Number 3002548132 Lease Number(s) NMNM110841
Well Type OIL WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CATTLEMEN	Well Pad Number 4	ID 10400053749

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 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 Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: TITUS OIL AND GAS PRODUCTION LLC

Signed By: Ryan D DELONG

Title: Regulatory Manager

Signed on: 04/14/2022

Street Address: 420 Throckmorton St., Suite 1150

City: Fort Worth

State: TX

Zip: 76102

Phone: (817)852-6370

Email address: regulatory@titusoil.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

Attachments

6315_CATTLEMEN_FED_COM_514H_C102_As_Drilled_SIGNED_20220414143855.pdf

Titus_Cattleman_Fed_Com_514H_RCBL_100dpi_20220414143940.pdf

Cattleman_Fed_Com_514H___Final_Survey_Report_20220414143945.pdf

Well_Bore_Data___BLM_CR_Cattlemen_Fed_Com_514H_20220414143957.pdf

Cattlemen 514H

WELLBORE CONFIGURATION:	
API #	30-025-48132
AFE/Property #	3011821106
Surface Lat/ Long	Lat: 32.04507253° N - Long: 103.38335352° W NAD 27
Ground Elevation/ RKB	3217' ft GL / 3246.5' ft KB (26.5' Rig Floor Height)
Wellhead:	13 3/8" 15M SOW (See well head image attached)
Surface Casing:	10-3/4" 45.4# HCL-80
Surface Casing Shoe (MD/TVD):	1186' MD/TVD
Intermediate 1 Casing:	7-5/8" 29.7# L-80 EHC BTC
Intermediate 1 Casing Shoe (MD/TVD):	12174' MD
Production Casing:	5-1/2" 23# P-110 RY CDC-HTQ X 5" 18# P-110 RY CDC-HTQ
Production Casing Shoe (MD/TVD):	0 – 11,934 MD (5.5") – 21341' MD (5")
Float Collar Depth:	21327' MD
Landing Collar Depth:	21339' MD
Pup/ Marker Joint Depths:	Marker 1: 17417.86 MD – 17439.57 MD Crossover: 11934.03 MD – 11936.19' MD Float Sub: 11885.20 MD – 11887.06' MD Marker 2: 10383.7' MD – 10407.43' MD
Top of Liner (TOL)-Packer Depth:	LONG STRING
Kick Off Point:	12484.54' MD
Landing Point (MD/TVD):	13382.49' MD / 13043' TVD
Entered Lease Line:	N/A
Entered 100' Hardline:	13561' MD / 13082.21' TVD @ 90.16° INC
Exited 100' Hard Line:	21289' MD / 13089.36' TVD @ 95.43° INC
Fluid in Casing:	Fresh Water (8.33ppg)
<u>Doglegs</u>	Max DLS in the Vertical section: 1.93 °/100 @ 1507' MD Max DLS in the Curve section: 18.86°/100' @ 12552' MD Max DLS in the Lateral section: 6.18° /100' @ 19355' MD

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

ACKNOWLEDGMENTS

Action 131478

ACKNOWLEDGMENTS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 131478
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 131478

CONDITIONS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 131478
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-5 Completion Sundry within 10 days of BLM approval.	1/7/2025