

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 New Well RT	
⁴ API Number 30 – 025-47632	⁵ Pool Name Diamondtail; Bone Spring		⁶ Pool Code 17644
⁷ Property Code 328507	⁸ Property Name Wild Salsa Fed Com		⁹ Well Number 224H

II. ¹⁰ Surface Location

UL or lot no. B	Section 25	Township 23S	Range 32E	Lot Idn	Feet from the 653	North/South Line N	Feet from the 1766	East/West line E	County Lea
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¹¹ Bottom Hole Location

UL or lot no. B	Section 13	Township 23S	Range 32E	Lot Idn	Feet from the 29	North/South line N	Feet from the 2338	East/West line E	County Lea
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date 6/25/2021		¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

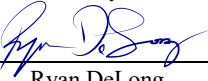
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
195739	Plains Pipeline, LP 5500 Ming Ave, Ste 300 Bakersfield, CA	O
371960	Lucid Energy Delaware, LLC 3100 Mckinnon Street, Suite 800 Dallas, TX 76201	G
308339	Oilfield Water Logistics 8201 Preston Rd, Suite 520 Dallas, TX	O

IV. Well Completion Data

²¹ Spud Date 5/28/2021	²² Ready Date 11/10/2021	²³ TD 22026'	²⁴ PBTD N/A	²⁵ Perforations 11598'-21947'	²⁶ DHC, MC N/A
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17.5		13.375		1365'	
12.25		9.625		5035'	
8.75		5.5		22026'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		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: 11/22/2021	
Date: 10/26/2021		Phone: 817-852-6370	
		RT EXPIRES 2/10/2022	

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 30-025-47632	2 Pool Code 17644	3 Pool Name DIAMONDTAIL; BONE SPRING
4 Property Code 328507	5 Property Name WILD SALSA FED COM	6 Well Number 224H
7 OGRID No. 373986	8 Operator Name TITUS OIL & GAS PRODUCTION LLC	9 Elevation 3717'

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	25	23-S	32-E		653'	NORTH	1766'	EAST	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
B	13	23-S	32-E		29'	NORTH	2338'	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
640			

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.

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X= 760089.61 LAT.= 32.28119847° N
Y= 466754.52 LONG.= 103.62549314° W
NEW MEXICO EAST - NAD 27
X= 718906.11 LAT.= 32.28107497° N
Y= 466695.13 LONG.= 103.62501104° W
653' FNL, 1766' FEL - SECTION 25

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X= 759515.03 LAT.= 32.28326332° N
Y= 467501.95 LONG.= 103.62733635° W
NEW MEXICO EAST - NAD 27
X= 718331.54 LAT.= 32.28313983° N
Y= 467442.54 LONG.= 103.62685413° W
100' FSL, 2337' FEL - SECTION 24
100' FSL, 307' FWL - LEASE
MD = 11,587'

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X= 759448.15 LAT.= 32.31174772° N
Y= 477864.50 LONG.= 103.62733198° W
NEW MEXICO EAST - NAD 27
X= 718264.93 LAT.= 32.31162432° N
Y= 477804.79 LONG.= 103.62684876° W
100' FNL, 2335' FEL - SECTION 13
100' FNL, 313' FWL - LEASE
MD = 21,954'

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X= 759444.83 LAT.= 32.31194365° N
Y= 477935.76 LONG.= 103.62734120° W
NEW MEXICO EAST - NAD 27
X= 718261.61 LAT.= 32.31182025° N
Y= 477876.05 LONG.= 103.62685798° W
29' FNL, 2338' FEL - SECTION 13
29' FNL, 310' FWL - LEASE
MD = 22,026'

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.

Signature: Ryan DeLong Date: 10/26/2021
Printed Name: Ryan DeLong - Regulatory Manager
E-mail Address: rdelong@titusoil.com

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.

Date of Survey: 10/20/2021
Signature and Seal of Professional Surveyor: [Signature]
Certificate Number: 12177



Titus Oil & Gas Production, LLC

Lea County, NM (NAD27 NME)

Wild Salsa Fed Com

224H

OH / 67867

Survey: Phoenix MWD Surveys

Standard Survey Report

28 June, 2021





Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 224H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3740.00usft (Nabors 7503)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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	Wild Salsa Fed Com		
Site Position:		Northing:	466,700.37 usft
From:	Map	Easting:	719,411.19 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 16' 51.888720 N
		Longitude:	103° 37' 24.156178 W
		Grid Convergence:	0.38 °

Well	224H		
Well Position	+N/-S	0.00 usft	Northing: 466,695.13 usft
	+E/-W	0.00 usft	Easting: 718,906.11 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 51.869916 N
		Longitude:	103° 37' 30.039694 W
		Ground Level:	3,717.00 usft

Wellbore	OH / 67867		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	6/24/2021	6.40
			Dip Angle (°) 59.89
			Field Strength (nT) 47,727.58486665

Design	Surveys (Nabors 7503)		
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 (°) 359.60

Survey Program	Date	6/28/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
186.00	22,026.00	Phoenix MWD Surveys (OH / 67867)	MWD+HDGM	OWSG Rev.2 MWD + HDGM

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
186.00	0.44	349.43	186.00	0.70	-0.13	0.70	0.24	0.24	0.00
First Phoenix MWD Survey									
248.00	0.35	356.49	248.00	1.13	-0.19	1.13	0.16	-0.15	11.39
400.00	0.21	49.42	400.00	1.77	0.00	1.77	0.18	-0.09	34.82
583.00	0.19	120.43	582.99	1.83	0.51	1.83	0.13	-0.01	38.80
765.00	0.15	77.39	764.99	1.73	1.01	1.73	0.07	-0.02	-23.65
948.00	0.35	136.01	947.99	1.38	1.63	1.37	0.16	0.11	32.03
1,132.00	0.53	101.02	1,131.99	0.82	2.85	0.80	0.17	0.10	-19.02
1,317.00	0.55	98.12	1,316.98	0.53	4.57	0.50	0.02	0.01	-1.57
1,442.00	0.09	223.21	1,441.98	0.37	5.10	0.34	0.48	-0.37	100.07



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 224H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3740.00usft (Nabors 7503)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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)
1,631.00	3.69	283.96	1,630.84	1.73	-0.91	1.74	1.93	1.90	32.14
1,818.00	9.39	290.62	1,816.55	8.56	-21.04	8.71	3.07	3.05	3.56
2,007.00	12.44	290.76	2,002.11	21.21	-54.51	21.59	1.61	1.61	0.07
2,194.00	11.60	274.02	2,185.07	29.67	-92.11	30.31	1.91	-0.45	-8.95
2,381.00	9.89	267.88	2,368.79	30.39	-126.92	31.28	1.10	-0.91	-3.28
2,569.00	10.01	273.99	2,553.96	30.93	-159.36	32.04	0.56	0.06	3.25
2,757.00	8.77	271.66	2,739.44	32.48	-189.98	33.81	0.69	-0.66	-1.24
2,945.00	8.34	282.16	2,925.36	35.77	-217.64	37.29	0.86	-0.23	5.59
3,134.00	9.25	287.91	3,112.14	43.33	-245.49	45.04	0.67	0.48	3.04
3,322.00	6.20	274.44	3,298.43	48.77	-270.00	50.65	1.88	-1.62	-7.16
3,510.00	8.34	277.60	3,484.91	51.35	-293.64	53.40	1.16	1.14	1.68
3,698.00	7.39	268.91	3,671.14	52.93	-319.24	55.16	0.81	-0.51	-4.62
3,886.00	4.20	253.39	3,858.17	50.73	-337.94	53.09	1.88	-1.70	-8.26
4,074.00	8.67	277.43	4,044.97	50.59	-358.60	53.10	2.73	2.38	12.79
4,263.00	7.20	284.63	4,232.16	55.43	-384.18	58.11	0.94	-0.78	3.81
4,451.00	6.42	278.59	4,418.83	59.97	-405.98	62.81	0.56	-0.41	-3.21
4,639.00	6.86	279.29	4,605.57	63.36	-427.45	66.34	0.24	0.23	0.37
4,827.00	6.02	276.06	4,792.38	66.21	-448.33	69.34	0.49	-0.45	-1.72
4,989.00	7.85	273.39	4,953.19	67.76	-467.83	71.02	1.15	1.13	-1.65
5,085.00	8.81	272.36	5,048.18	68.45	-481.72	71.81	1.01	1.00	-1.07
5,273.00	6.37	291.02	5,234.54	72.79	-505.84	76.32	1.83	-1.30	9.93
5,461.00	6.41	288.77	5,421.38	79.90	-525.52	83.57	0.13	0.02	-1.20
5,649.00	6.22	288.45	5,608.23	86.50	-545.11	90.31	0.10	-0.10	-0.17
5,839.00	7.42	278.51	5,796.89	91.58	-567.01	95.53	0.88	0.63	-5.23
6,026.00	6.89	276.86	5,982.44	94.70	-590.09	98.82	0.30	-0.28	-0.88
6,214.00	4.30	263.05	6,169.53	95.20	-608.29	99.44	1.54	-1.38	-7.35
6,401.00	4.06	265.71	6,356.04	93.85	-621.85	98.19	0.16	-0.13	1.42
6,589.00	1.74	266.16	6,543.78	93.16	-631.33	97.57	1.23	-1.23	0.24
6,777.00	1.93	234.99	6,731.69	91.16	-636.77	95.60	0.53	0.10	-16.58
6,964.00	0.75	59.09	6,918.66	89.98	-638.30	94.43	1.43	-0.63	-94.06
7,151.00	0.50	73.79	7,105.65	90.84	-636.47	95.28	0.16	-0.13	7.86
7,339.00	0.29	57.52	7,293.65	91.32	-635.28	95.75	0.13	-0.11	-8.65
7,526.00	0.34	151.95	7,480.65	91.08	-634.62	95.51	0.25	0.03	50.50
7,714.00	0.32	166.29	7,668.64	90.08	-634.23	94.51	0.05	-0.01	7.63
7,901.00	0.35	182.38	7,855.64	89.00	-634.13	93.43	0.05	0.02	8.60
8,090.00	0.51	179.92	8,044.63	87.59	-634.16	92.01	0.09	0.08	-1.30
8,277.00	0.55	171.62	8,231.63	85.87	-634.02	90.29	0.05	0.02	-4.44
8,465.00	0.52	180.57	8,419.62	84.12	-633.90	88.54	0.05	-0.02	4.76
8,653.00	0.64	179.75	8,607.61	82.22	-633.91	86.64	0.06	0.06	-0.44
8,840.00	0.30	200.32	8,794.60	80.71	-634.07	85.14	0.20	-0.18	11.00
9,029.00	0.56	273.04	8,983.60	80.30	-635.16	84.73	0.29	0.14	38.48
9,218.00	1.17	290.04	9,172.58	81.01	-637.90	85.46	0.35	0.32	8.99
9,406.00	0.97	318.72	9,360.54	82.86	-640.75	87.33	0.30	-0.11	15.26



Survey Report



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Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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)
9,593.00	0.57	264.47	9,547.53	83.96	-642.72	88.45	0.42	-0.21	-29.01
9,781.00	1.52	302.49	9,735.50	85.21	-645.76	89.72	0.60	0.51	20.22
9,969.00	1.98	293.37	9,923.41	87.84	-650.84	92.38	0.29	0.24	-4.85
10,158.00	2.05	282.93	10,112.29	89.89	-657.13	94.48	0.20	0.04	-5.52
10,346.00	1.31	275.67	10,300.21	90.86	-662.55	95.48	0.41	-0.39	-3.86
10,534.00	1.23	249.89	10,488.17	90.37	-666.58	95.03	0.30	-0.04	-13.71
10,632.00	2.21	337.20	10,586.13	91.75	-668.30	96.42	2.53	1.00	89.09
10,679.00	9.04	10.61	10,632.89	96.23	-667.97	100.89	15.52	14.53	71.09
10,726.00	16.55	6.74	10,678.69	106.52	-666.51	111.17	16.07	15.98	-8.23
10,773.00	21.45	6.73	10,723.11	121.71	-664.71	126.35	10.43	10.43	-0.02
10,820.00	25.95	6.19	10,766.14	140.48	-662.60	145.10	9.59	9.57	-1.15
10,867.00	28.15	7.74	10,808.00	161.69	-659.99	166.29	4.91	4.68	3.30
10,914.00	29.39	8.18	10,849.19	184.09	-656.86	188.67	2.68	2.64	0.94
10,961.00	32.70	10.96	10,889.46	207.98	-652.80	212.53	7.67	7.04	5.91
11,008.00	37.82	12.81	10,927.82	234.51	-647.19	239.02	11.13	10.89	3.94
11,056.00	45.44	11.03	10,963.68	265.69	-640.65	270.16	16.06	15.88	-3.71
11,102.00	52.46	9.83	10,993.87	299.79	-634.39	304.21	15.39	15.26	-2.61
11,149.00	55.29	8.58	11,021.57	337.26	-628.32	341.64	6.39	6.02	-2.66
11,197.00	60.06	7.04	11,047.23	377.44	-622.83	381.77	10.30	9.94	-3.21
11,244.00	65.94	6.80	11,068.56	418.99	-617.79	423.29	12.52	12.51	-0.51
11,291.00	66.11	6.40	11,087.66	461.65	-612.85	465.92	0.86	0.36	-0.85
11,338.00	69.66	6.86	11,105.35	504.89	-607.82	509.12	7.61	7.55	0.98
11,385.00	76.20	7.66	11,119.14	549.44	-602.14	553.63	14.01	13.91	1.70
11,432.00	79.41	9.13	11,129.07	594.88	-595.43	599.02	7.48	6.83	3.13
11,479.00	82.41	9.05	11,136.49	640.70	-588.10	644.79	6.39	6.38	-0.17
11,587.00	88.25	5.41	11,145.29	747.42	-574.58	751.41	6.36	5.41	-3.37
FTP: 11587'MD/11145'TVD									
11,607.00	89.33	4.74	11,145.71	767.34	-572.81	771.32	6.36	5.41	-3.35
11,701.00	88.99	2.90	11,147.09	861.12	-566.55	865.05	1.99	-0.36	-1.96
11,794.00	90.05	1.23	11,147.87	954.05	-563.20	957.96	2.13	1.14	-1.80
11,888.00	90.95	359.96	11,147.05	1,048.04	-562.22	1,051.94	1.66	0.96	-1.35
11,982.00	91.33	358.90	11,145.18	1,142.01	-563.16	1,145.91	1.20	0.40	-1.13
12,076.00	92.84	0.55	11,141.76	1,235.94	-563.61	1,239.85	2.38	1.61	1.76
12,171.00	93.28	0.41	11,136.69	1,330.80	-562.81	1,334.70	0.49	0.46	-0.15
12,265.00	92.58	1.70	11,131.88	1,424.66	-561.08	1,428.54	1.56	-0.74	1.37
12,359.00	90.55	2.39	11,129.31	1,518.56	-557.73	1,522.42	2.28	-2.16	0.73
12,453.00	88.70	1.35	11,129.93	1,612.50	-554.66	1,616.34	2.26	-1.97	-1.11
12,547.00	87.13	0.22	11,133.35	1,706.43	-553.38	1,710.25	2.06	-1.67	-1.20
12,640.00	89.81	0.00	11,135.83	1,799.39	-553.20	1,803.20	2.89	2.88	-0.24
12,734.00	89.18	0.29	11,136.66	1,893.38	-552.96	1,897.20	0.74	-0.67	0.31
12,829.00	89.48	359.99	11,137.77	1,988.37	-552.73	1,992.18	0.45	0.32	-0.32
12,923.00	88.68	359.00	11,139.28	2,082.36	-553.56	2,086.17	1.35	-0.85	-1.05
13,016.00	88.73	358.39	11,141.38	2,175.31	-555.67	2,179.13	0.66	0.05	-0.66



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 224H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3740.00usft (Nabors 7503)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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)
13,110.00	89.18	359.27	11,143.10	2,269.27	-557.59	2,273.11	1.05	0.48	0.94
13,204.00	88.10	358.20	11,145.33	2,363.22	-559.67	2,367.07	1.62	-1.15	-1.14
13,298.00	89.48	359.07	11,147.31	2,457.17	-561.91	2,461.03	1.74	1.47	0.93
13,392.00	89.92	357.87	11,147.80	2,551.13	-564.42	2,555.01	1.36	0.47	-1.28
13,486.00	91.49	357.91	11,146.65	2,645.06	-567.88	2,648.96	1.67	1.67	0.04
13,580.00	93.09	359.16	11,142.89	2,738.95	-570.28	2,742.86	2.16	1.70	1.33
13,673.00	94.19	0.09	11,136.99	2,831.76	-570.89	2,835.67	1.55	1.18	1.00
13,768.00	95.10	359.55	11,129.29	2,926.44	-571.18	2,930.36	1.11	0.96	-0.57
13,861.00	93.37	1.07	11,122.43	3,019.18	-570.68	3,023.09	2.47	-1.86	1.63
13,955.00	91.61	1.94	11,118.34	3,113.05	-568.21	3,116.95	2.09	-1.87	0.93
14,048.00	91.07	1.00	11,116.17	3,206.00	-565.83	3,209.87	1.17	-0.58	-1.01
14,142.00	91.87	1.08	11,113.76	3,299.95	-564.12	3,303.81	0.86	0.85	0.09
14,236.00	89.53	0.14	11,112.61	3,393.93	-563.12	3,397.78	2.68	-2.49	-1.00
14,330.00	90.33	358.97	11,112.72	3,487.92	-563.85	3,491.78	1.51	0.85	-1.24
14,424.00	92.23	358.36	11,110.62	3,581.87	-566.04	3,585.74	2.12	2.02	-0.65
14,518.00	91.69	359.37	11,107.41	3,675.80	-567.90	3,679.67	1.22	-0.57	1.07
14,612.00	89.96	357.95	11,106.05	3,769.75	-570.10	3,773.64	2.38	-1.84	-1.51
14,705.00	91.23	357.22	11,105.09	3,862.66	-574.02	3,866.58	1.58	1.37	-0.78
14,799.00	92.04	358.58	11,102.41	3,956.56	-577.46	3,960.50	1.68	0.86	1.45
14,892.00	93.05	359.15	11,098.28	4,049.45	-579.30	4,053.39	1.25	1.09	0.61
14,985.00	90.35	0.00	11,095.52	4,142.40	-579.99	4,146.34	3.04	-2.90	0.91
15,079.00	90.01	358.62	11,095.22	4,236.39	-581.12	4,240.34	1.51	-0.36	-1.47
15,172.00	90.21	357.83	11,095.04	4,329.34	-584.00	4,333.31	0.88	0.22	-0.85
15,265.00	91.56	358.87	11,093.61	4,422.29	-586.68	4,426.28	1.83	1.45	1.12
15,359.00	92.07	0.76	11,090.63	4,516.24	-586.98	4,520.22	2.08	0.54	2.01
15,452.00	89.90	1.30	11,089.03	4,609.20	-585.31	4,613.17	2.40	-2.33	0.58
15,546.00	90.12	1.08	11,089.02	4,703.18	-583.36	4,707.14	0.33	0.23	-0.23
15,639.00	90.59	0.32	11,088.44	4,796.17	-582.22	4,800.12	0.96	0.51	-0.82
15,732.00	91.27	359.83	11,086.93	4,889.16	-582.10	4,893.10	0.90	0.73	-0.53
15,826.00	91.63	0.48	11,084.55	4,983.13	-581.85	4,987.07	0.79	0.38	0.69
15,920.00	90.96	1.25	11,082.43	5,077.09	-580.43	5,081.02	1.09	-0.71	0.82
16,013.00	90.55	0.74	11,081.20	5,170.07	-578.82	5,173.98	0.70	-0.44	-0.55
16,106.00	91.32	0.01	11,079.68	5,263.05	-578.21	5,266.96	1.14	0.83	-0.78
16,199.00	89.24	0.64	11,079.23	5,356.04	-577.68	5,359.95	2.34	-2.24	0.68
16,292.00	89.24	359.54	11,080.46	5,449.03	-577.53	5,452.93	1.18	0.00	-1.18
16,384.00	89.81	358.60	11,081.23	5,541.02	-579.03	5,544.92	1.19	0.62	-1.02
16,477.00	91.38	359.12	11,080.26	5,633.99	-580.88	5,637.91	1.78	1.69	0.56
16,570.00	92.44	359.40	11,077.16	5,726.93	-582.08	5,730.85	1.18	1.14	0.30
16,655.00	91.64	359.29	11,074.13	5,811.87	-583.05	5,815.80	0.95	-0.94	-0.13
16,747.00	91.07	359.04	11,071.96	5,903.83	-584.39	5,907.77	0.68	-0.62	-0.27
16,841.00	90.92	359.26	11,070.33	5,997.81	-585.78	6,001.75	0.28	-0.16	0.23
16,934.00	91.47	359.21	11,068.39	6,090.78	-587.02	6,094.73	0.59	0.59	-0.05
17,027.00	90.52	0.19	11,066.77	6,183.76	-587.51	6,187.71	1.47	-1.02	1.05
17,120.00	90.45	0.32	11,065.98	6,276.76	-587.10	6,280.70	0.16	-0.08	0.14



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 224H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3740.00usft (Nabors 7503)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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)
17,213.00	91.18	0.12	11,064.66	6,369.75	-586.74	6,373.69	0.81	0.78	-0.22
17,306.00	90.39	359.95	11,063.39	6,462.74	-586.68	6,466.68	0.87	-0.85	-0.18
17,399.00	90.90	0.01	11,062.34	6,555.73	-586.72	6,559.67	0.55	0.55	0.06
17,492.00	91.33	359.92	11,060.53	6,648.71	-586.77	6,652.65	0.47	0.46	-0.10
17,585.00	92.00	359.82	11,057.83	6,741.67	-586.98	6,745.61	0.73	0.72	-0.11
17,678.00	90.42	0.49	11,055.87	6,834.65	-586.73	6,838.58	1.85	-1.70	0.72
17,771.00	90.18	0.27	11,055.38	6,927.65	-586.11	6,931.57	0.35	-0.26	-0.24
17,865.00	90.41	359.77	11,054.89	7,021.64	-586.08	7,025.57	0.59	0.24	-0.53
17,958.00	91.09	359.92	11,053.68	7,114.64	-586.33	7,118.56	0.75	0.73	0.16
18,051.00	90.67	358.92	11,052.25	7,207.62	-587.27	7,211.54	1.17	-0.45	-1.08
18,144.00	91.30	358.88	11,050.65	7,300.59	-589.06	7,304.52	0.68	0.68	-0.04
18,237.00	92.15	358.61	11,047.85	7,393.52	-591.10	7,397.47	0.96	0.91	-0.29
18,329.00	92.35	358.32	11,044.24	7,485.42	-593.56	7,489.38	0.38	0.22	-0.32
18,423.00	90.58	359.38	11,041.84	7,579.36	-595.44	7,583.34	2.19	-1.88	1.13
18,516.00	89.58	0.34	11,041.71	7,672.36	-595.67	7,676.33	1.49	-1.08	1.03
18,609.00	89.81	0.74	11,042.20	7,765.35	-594.79	7,769.32	0.50	0.25	0.43
18,702.00	90.64	0.63	11,041.84	7,858.35	-593.68	7,862.30	0.90	0.89	-0.12
18,795.00	91.07	0.25	11,040.45	7,951.33	-592.97	7,955.28	0.62	0.46	-0.41
18,887.00	91.60	359.84	11,038.30	8,043.31	-592.90	8,047.25	0.73	0.58	-0.45
18,981.00	92.15	359.43	11,035.23	8,137.25	-593.49	8,141.20	0.73	0.59	-0.44
19,074.00	89.93	359.66	11,033.54	8,230.23	-594.23	8,234.18	2.40	-2.39	0.25
19,167.00	89.90	359.82	11,033.68	8,323.23	-594.65	8,327.18	0.18	-0.03	0.17
19,261.00	90.42	359.65	11,033.42	8,417.23	-595.09	8,421.18	0.58	0.55	-0.18
19,354.00	90.18	359.18	11,032.93	8,510.22	-596.04	8,514.18	0.57	-0.26	-0.51
19,447.00	90.69	359.20	11,032.22	8,603.21	-597.35	8,607.17	0.55	0.55	0.02
19,541.00	91.16	359.09	11,030.71	8,697.19	-598.76	8,701.15	0.51	0.50	-0.12
19,634.00	91.80	358.68	11,028.30	8,790.14	-600.57	8,794.12	0.82	0.69	-0.44
19,728.00	92.10	358.62	11,025.10	8,884.06	-602.78	8,888.05	0.33	0.32	-0.06
19,821.00	92.07	358.67	11,021.72	8,976.97	-604.98	8,980.97	0.06	-0.03	0.05
19,909.00	91.24	359.10	11,019.18	9,064.91	-606.69	9,068.93	1.06	-0.94	0.49
20,002.00	89.31	0.42	11,018.73	9,157.91	-607.08	9,161.92	2.51	-2.08	1.42
20,095.00	89.93	359.52	11,019.35	9,250.90	-607.13	9,254.92	1.18	0.67	-0.97
20,189.00	90.89	359.06	11,018.68	9,344.89	-608.29	9,348.91	1.13	1.02	-0.49
20,283.00	90.10	359.21	11,017.87	9,438.88	-609.71	9,442.90	0.86	-0.84	0.16
20,377.00	91.04	359.28	11,016.93	9,532.86	-610.95	9,536.90	1.00	1.00	0.07
20,471.00	91.81	359.31	11,014.59	9,626.83	-612.10	9,630.86	0.82	0.82	0.03
20,565.00	90.78	359.66	11,012.47	9,720.80	-612.95	9,724.84	1.16	-1.10	0.37
20,659.00	91.29	359.88	11,010.77	9,814.78	-613.33	9,818.82	0.59	0.54	0.23
20,753.00	89.33	359.95	11,010.26	9,908.77	-613.47	9,912.82	2.09	-2.09	0.07
20,847.00	89.67	359.65	11,011.08	10,002.77	-613.79	10,006.81	0.48	0.36	-0.32
20,941.00	90.16	359.16	11,011.22	10,096.76	-614.77	10,100.81	0.74	0.52	-0.52
21,034.00	90.98	358.50	11,010.30	10,189.74	-616.67	10,193.80	1.13	0.88	-0.71
21,128.00	91.97	357.74	11,007.88	10,283.65	-619.75	10,287.73	1.33	1.05	-0.81



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 224H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3740.00usft (Nabors 7503)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3740.00usft (Nabors 7503)
Well:	224H	North Reference:	Grid
Wellbore:	OH / 67867	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Nabors 7503)	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)	
21,222.00	90.32	358.38	11,006.00	10,377.58	-622.93	10,381.67	1.88	-1.76	0.68	
21,316.00	91.02	357.98	11,004.90	10,471.52	-625.92	10,475.64	0.86	0.74	-0.43	
21,410.00	90.32	358.83	11,003.80	10,565.48	-628.53	10,569.61	1.17	-0.74	0.90	
21,504.00	91.06	358.40	11,002.67	10,659.44	-630.81	10,663.59	0.91	0.79	-0.46	
21,598.00	88.62	359.27	11,002.93	10,753.42	-632.72	10,757.57	2.76	-2.60	0.93	
21,692.00	89.68	359.33	11,004.33	10,847.40	-633.87	10,851.56	1.13	1.13	0.06	
21,786.00	90.64	358.71	11,004.06	10,941.38	-635.47	10,945.55	1.22	1.02	-0.66	
21,881.00	91.12	357.80	11,002.60	11,036.33	-638.37	11,040.51	1.08	0.51	-0.96	
21,954.62	91.87	357.39	11,000.68	11,109.86	-641.45	11,114.06	1.17	1.02	-0.56	
LTP: 21954'MD / 11000'TVD										
21,965.00	91.98	357.33	11,000.33	11,120.22	-641.93	11,124.43	1.17	1.02	-0.56	
Final Phoenix MWD Survey										
22,026.00	91.98	357.33	10,998.22	11,181.12	-644.77	11,185.34	0.00	0.00	0.00	
Projection to Bit										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,026.00	10,998.22	20" Casing	20	24	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
186.00	186.00	0.70	-0.13	First Phoenix MWD Survey	
11,587.00	11,145.29	747.42	-574.58	FTP: 11587'MD/11145'TVD	
21,954.62	11,000.68	11,109.86	-641.45	LTP: 21954'MD / 11000'TVD	
21,965.00	11,000.33	11,120.22	-641.93	Final Phoenix MWD Survey	
22,026.00	10,998.22	11,181.12	-644.77	Projection to Bit	

Checked By: _____	Approved By: _____	Date: _____
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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 59441

ACKNOWLEDGMENTS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 59441
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 59441

CONDITIONS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 59441
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT C-104 EXPIRES 2/10/2022.	11/22/2021