

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 - 025-47638	⁵ Pool Name Diamondtail; Bone Spring	⁶ Pool Code 17644
⁷ Property Code 328507	⁸ Property Name Wild Salsa Fed Com	⁹ Well Number 324H

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	25	23S	32E		653'	N	1186'	E	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
A	13	23S	32E		403'	N	952'	E	Lea
¹² Lse Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

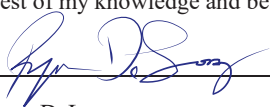
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
195739	Plains Pipeline, LP 5500 Ming Ave, Ste 300 Bakersfield, CA 93309	O
371960	Lucid Energy Delaware, LLC 3100 Mckinnon Street, Suite 800 Dallas, TX 75201	G
308339	Oilfield Water Logistics 8201 Preston Rd, Suite 520 Dallas, TX 75225	W

IV. Well Completion Data

²¹ Spud Date 12/22/2020	²² Ready Date Expected 6/20/2021	²³ TD 22753'	²⁴ PBTD N/A	²⁵ Perforations 12798'-22703'	²⁶ DHC, MC N/A
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5	13.375	1352'	1305 Class C		
12.25	9.625	5032'	1450 Class C		
8.75	5.5	22753'	3700 Class H		

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: 6/18/2021
Date: 6/10/2021	RT EXPIRES 9/18/2021
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 30-025-47638	2 Pool Code 17644	3 Pool Name DIAMONDTAIL; BONE SPRING
4 Property Code 328507	5 Property Name WILD SALSA FED COM	6 Well Number 324H
7 OGRID No. 373986	8 Operator Name TITUS OIL & GAS PRODUCTION LLC	9 Elevation 3721'

" 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	25	23-S	32-E		653'	NORTH	1186'	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
A	13	23-S	32-E		403'	NORTH	952'	EAST	LEA

12 Dedicated Acres 640	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X= 760669.76 LAT.= 32.28120443° N
Y= 466760.52 LONG.= 103.62361588° W
NEW MEXICO EAST - NAD 27
X= 719486.25 LAT.= 32.28108092° N
Y= 466701.13 LONG.= 103.62313383° W
653' FNL, 1186' FEL - SECTION 25

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X= 760786.02 LAT.= 32.28329483° N
Y= 467521.80 LONG.= 103.62322341° W
NEW MEXICO EAST - NAD 27
X= 719602.53 LAT.= 32.28317133° N
Y= 467462.39 LONG.= 103.62274129° W
107' FSL, 1066' FEL - SECTION 24
107' FSL, 1066' FEL - LEASE
MD = 12,798'

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X= 760836.81 LAT.= 32.31047821° N
Y= 477411.81 LONG.= 103.62284705° W
NEW MEXICO EAST - NAD 27
X= 719653.57 LAT.= 32.31035479° N
Y= 477352.11 LONG.= 103.62236399° W
566' FNL, 949' FEL - SECTION 13
566' FNL, 949' FEL - LEASE
MD = 22,703'

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X= 760833.24 LAT.= 32.31092607° N
Y= 477574.73 LONG.= 103.62285509° W
NEW MEXICO EAST - NAD 27
X= 719650.01 LAT.= 32.31080266° N
Y= 477515.03 LONG.= 103.62237202° W
403' FNL, 952' FEL - SECTION 13
403' FNL, 952' FEL - LEASE
MD = 22,866'

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: 6/10/2021
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.

Date of Survey: 6/9/2021
Signature and Seal of Professional Surveyor: *Mark J. Murray*
Certificate Number: 12177



Titus Oil & Gas Production, LLC

Lea County, NM (NAD27 NME)

Wild Salsa Fed Com

324H

ST01 / 67084

Design: Surveys (H&P 474)

Standard Survey Report

23 March, 2021





Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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	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	324H		
Well Position	+N/-S	0.00 usft	Northing: 466,701.12 usft
	+E/-W	0.00 usft	Easting: 719,486.25 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 16' 51.891276 N
		Longitude:	103° 37' 23.281788 W
		Ground Level:	3,721.00 usft

Wellbore	ST01 / 67084				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	1/19/2021	6.44	59.90	47,771.19364505

Design	Surveys (H&P 474)				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	12,791.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.87	

Survey Program	Date	3/23/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
141.00	12,791.00	Corrected MWD Surveys (OH / 67084)	MWD+HDGM+MS	OWSG Rev.2 MWD + HDGM + Multi-Station Correction	
12,867.00	22,866.00	Phoenix MWD Surveys (ST01 / 67084)	MWD+HRGM	OWSG MWD + HRGM	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
141.00	0.96	13.87	140.99	1.15	0.28	1.15	0.68	0.68	0.00	
231.00	1.16	335.05	230.98	2.70	0.08	2.71	0.81	0.22	-43.13	
322.00	1.18	330.68	321.96	4.36	-0.77	4.34	0.10	0.02	-4.80	
413.00	1.10	23.38	412.94	5.98	-0.88	5.96	1.11	-0.09	57.91	
505.00	1.51	57.87	504.92	7.43	0.50	7.44	0.94	0.45	37.49	
598.00	1.55	62.77	597.89	8.66	2.65	8.70	0.15	0.04	5.27	
689.00	1.52	67.20	688.86	9.69	4.86	9.76	0.13	-0.03	4.87	
780.00	1.61	70.80	779.82	10.58	7.18	10.68	0.15	0.10	3.96	
872.00	0.62	88.29	871.80	11.02	8.90	11.15	1.13	-1.08	19.01	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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)
963.00	0.51	103.16	962.80	10.94	9.78	11.09	0.20	-0.12	16.34
1,055.00	0.36	102.03	1,054.80	10.79	10.47	10.94	0.16	-0.16	-1.23
1,146.00	0.28	85.81	1,145.80	10.74	10.97	10.91	0.13	-0.09	-17.82
1,238.00	0.34	44.33	1,237.79	10.95	11.38	11.13	0.25	0.07	-45.09
1,280.00	0.32	20.71	1,279.79	11.15	11.51	11.33	0.32	-0.05	-56.24
1,423.00	0.58	328.45	1,422.79	12.14	11.27	12.31	0.32	0.18	-36.55
1,518.00	1.04	314.94	1,517.78	13.16	10.41	13.32	0.52	0.48	-14.22
1,613.00	1.12	298.29	1,612.76	14.21	8.98	14.35	0.34	0.08	-17.53
1,708.00	0.87	285.93	1,707.75	14.85	7.47	14.96	0.35	-0.26	-13.01
1,803.00	0.85	290.44	1,802.74	15.29	6.12	15.38	0.07	-0.02	4.75
1,898.00	0.91	290.27	1,897.73	15.80	4.75	15.87	0.06	0.06	-0.18
1,992.00	0.64	271.78	1,991.72	16.08	3.53	16.13	0.39	-0.29	-19.67
2,087.00	0.62	235.44	2,086.71	15.80	2.57	15.84	0.41	-0.02	-38.25
2,182.00	0.60	256.86	2,181.71	15.40	1.66	15.42	0.24	-0.02	22.55
2,277.00	0.75	265.23	2,276.70	15.23	0.56	15.24	0.19	0.16	8.81
2,372.00	0.69	255.89	2,371.69	15.04	-0.61	15.03	0.14	-0.06	-9.83
2,467.00	0.53	235.12	2,466.69	14.65	-1.53	14.62	0.28	-0.17	-21.86
2,562.00	0.47	242.52	2,561.68	14.22	-2.24	14.18	0.09	-0.06	7.79
2,656.00	0.38	254.51	2,655.68	13.96	-2.88	13.91	0.13	-0.10	12.76
2,751.00	0.33	282.87	2,750.68	13.93	-3.45	13.88	0.19	-0.05	29.85
2,846.00	0.34	315.97	2,845.68	14.20	-3.91	14.14	0.20	0.01	34.84
2,941.00	0.30	346.13	2,940.68	14.64	-4.17	14.58	0.18	-0.04	31.75
3,036.00	0.55	339.22	3,035.67	15.31	-4.39	15.24	0.27	0.26	-7.27
3,130.00	0.63	333.17	3,129.67	16.19	-4.78	16.12	0.11	0.09	-6.44
3,225.00	0.48	340.36	3,224.67	17.03	-5.15	16.95	0.17	-0.16	7.57
3,320.00	0.56	356.24	3,319.66	17.87	-5.31	17.79	0.17	0.08	16.72
3,415.00	0.77	7.49	3,414.66	18.97	-5.26	18.89	0.26	0.22	11.84
3,509.00	0.18	9.62	3,508.65	19.74	-5.15	19.66	0.63	-0.63	2.27
3,604.00	0.29	322.76	3,603.65	20.08	-5.28	20.00	0.22	0.12	-49.33
3,699.00	0.39	341.14	3,698.65	20.58	-5.53	20.49	0.15	0.11	19.35
3,794.00	0.35	327.80	3,793.65	21.13	-5.78	21.04	0.10	-0.04	-14.04
3,888.00	0.31	201.86	3,887.65	21.13	-6.03	21.04	0.63	-0.04	-133.98
3,983.00	0.50	235.83	3,982.64	20.66	-6.47	20.56	0.31	0.20	35.76
4,078.00	0.64	237.18	4,077.64	20.14	-7.26	20.03	0.15	0.15	1.42
4,173.00	0.31	247.69	4,172.64	19.76	-7.94	19.63	0.36	-0.35	11.06
4,268.00	1.08	127.36	4,267.63	19.12	-7.47	19.00	1.33	0.81	-126.66
4,362.00	2.37	119.29	4,361.59	17.63	-5.07	17.55	1.39	1.37	-8.59
4,457.00	1.29	111.47	4,456.54	16.27	-2.36	16.24	1.16	-1.14	-8.23
4,552.00	1.58	114.02	4,551.51	15.35	-0.17	15.35	0.31	0.31	2.68
4,647.00	2.78	116.71	4,646.44	13.78	3.08	13.83	1.27	1.26	2.83
4,741.00	3.82	119.31	4,740.28	11.22	7.85	11.34	1.12	1.11	2.77
4,836.00	3.34	116.27	4,835.09	8.45	13.09	8.65	0.54	-0.51	-3.20
4,931.00	1.87	114.08	4,929.99	6.59	16.99	6.85	1.55	-1.55	-2.31



Survey Report



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Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
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Wellbore:	ST01 / 67084	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)
4,976.00	1.85	119.05	4,974.97	5.94	18.29	6.22	0.36	-0.04	11.04
5,101.00	1.97	117.75	5,099.90	3.96	21.96	4.29	0.10	0.10	-1.04
5,196.00	1.98	121.09	5,194.84	2.35	24.81	2.73	0.12	0.01	3.52
5,291.00	0.70	94.09	5,289.82	1.46	26.79	1.87	1.47	-1.35	-28.42
5,386.00	1.14	318.62	5,384.81	2.13	26.75	2.54	1.80	0.46	-142.60
5,481.00	0.99	317.61	5,479.79	3.45	25.57	3.83	0.16	-0.16	-1.06
5,576.00	0.91	308.74	5,574.78	4.52	24.43	4.89	0.18	-0.08	-9.34
5,670.00	0.82	306.82	5,668.77	5.40	23.31	5.75	0.10	-0.10	-2.04
5,765.00	0.69	317.58	5,763.76	6.22	22.38	6.56	0.20	-0.14	11.33
5,860.00	0.66	318.25	5,858.76	7.06	21.63	7.38	0.03	-0.03	0.71
5,955.00	0.81	321.04	5,953.75	7.99	20.84	8.30	0.16	0.16	2.94
6,050.00	0.90	320.32	6,048.74	9.08	19.94	9.38	0.10	0.09	-0.76
6,144.00	0.87	320.90	6,142.73	10.20	19.02	10.49	0.03	-0.03	0.62
6,239.00	0.99	321.38	6,237.71	11.40	18.05	11.68	0.13	0.13	0.51
6,334.00	1.11	318.68	6,332.70	12.74	16.93	12.99	0.14	0.13	-2.84
6,429.00	1.02	245.76	6,427.68	13.08	15.56	13.31	1.33	-0.09	-76.76
6,524.00	1.60	237.48	6,522.66	12.02	13.67	12.23	0.64	0.61	-8.72
6,618.00	0.41	168.44	6,616.65	10.99	12.63	11.18	1.60	-1.27	-73.45
6,713.00	0.55	108.16	6,711.64	10.51	13.13	10.71	0.52	0.15	-63.45
6,808.00	0.43	85.07	6,806.64	10.40	13.92	10.61	0.24	-0.13	-24.31
6,903.00	0.37	77.65	6,901.64	10.50	14.57	10.71	0.08	-0.06	-7.81
6,997.00	0.27	101.16	6,995.64	10.52	15.09	10.74	0.17	-0.11	25.01
7,092.00	0.24	141.60	7,090.63	10.32	15.43	10.55	0.19	-0.03	42.57
7,186.00	0.46	147.97	7,184.63	9.84	15.75	10.08	0.24	0.23	6.78
7,281.00	0.43	140.36	7,279.63	9.25	16.18	9.49	0.07	-0.03	-8.01
7,376.00	0.33	148.14	7,374.63	8.74	16.55	8.99	0.12	-0.11	8.19
7,471.00	0.42	153.48	7,469.63	8.20	16.85	8.45	0.10	0.09	5.62
7,566.00	0.65	165.88	7,564.62	7.36	17.14	7.62	0.27	0.24	13.05
7,660.00	0.96	163.90	7,658.61	6.09	17.49	6.35	0.33	0.33	-2.11
7,755.00	0.88	162.50	7,753.60	4.63	17.93	4.90	0.09	-0.08	-1.47
7,850.00	1.02	164.25	7,848.59	3.12	18.38	3.40	0.15	0.15	1.84
7,944.00	0.26	97.25	7,942.58	2.29	18.82	2.57	1.01	-0.81	-71.28
8,039.00	0.46	13.21	8,037.58	2.63	19.12	2.92	0.53	0.21	-88.46
8,133.00	0.40	12.37	8,131.58	3.32	19.27	3.61	0.06	-0.06	-0.89
8,227.00	0.18	6.54	8,225.58	3.78	19.36	4.08	0.24	-0.23	-6.20
8,321.00	0.17	272.17	8,319.58	3.94	19.24	4.23	0.27	-0.01	-100.39
8,510.00	0.46	220.71	8,508.57	3.37	18.46	3.65	0.20	0.15	-27.23
8,699.00	0.72	227.93	8,697.56	2.00	17.09	2.26	0.14	0.14	3.82
8,794.00	0.85	235.58	8,792.55	1.20	16.06	1.45	0.18	0.14	8.05
8,984.00	0.63	227.24	8,982.54	-0.30	14.13	-0.09	0.13	-0.12	-4.39
9,079.00	0.51	220.12	9,077.53	-0.98	13.48	-0.78	0.15	-0.13	-7.49
9,173.00	0.71	209.05	9,171.53	-1.81	12.92	-1.61	0.25	0.21	-11.78
9,267.00	0.60	201.42	9,265.52	-2.78	12.46	-2.59	0.15	-0.12	-8.12



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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)
9,362.00	0.38	153.54	9,360.52	-3.52	12.42	-3.33	0.47	-0.23	-50.40
9,457.00	0.72	173.34	9,455.51	-4.40	12.63	-4.21	0.40	0.36	20.84
9,646.00	0.53	31.68	9,644.51	-4.83	13.23	-4.63	0.63	-0.10	-74.95
9,836.00	0.97	352.94	9,834.49	-2.49	13.49	-2.28	0.34	0.23	-20.39
9,930.00	0.94	4.09	9,928.48	-0.93	13.45	-0.73	0.20	-0.03	11.86
10,120.00	1.72	98.28	10,118.44	0.21	16.38	0.46	1.06	0.41	49.57
10,214.00	0.59	81.13	10,212.42	0.09	18.26	0.36	1.24	-1.20	-18.24
10,403.00	0.18	330.15	10,401.42	0.49	19.07	0.78	0.36	-0.22	-58.72
10,498.00	0.58	235.72	10,496.42	0.35	18.60	0.63	0.65	0.42	-99.40
10,593.00	0.72	226.38	10,591.41	-0.33	17.77	-0.06	0.18	0.15	-9.83
10,687.00	0.86	198.21	10,685.40	-1.41	17.12	-1.15	0.43	0.15	-29.97
10,782.00	0.95	217.25	10,780.39	-2.71	16.42	-2.46	0.33	0.09	20.04
10,877.00	1.24	210.49	10,875.38	-4.23	15.42	-3.99	0.33	0.31	-7.12
11,066.00	1.10	287.83	11,064.35	-5.43	12.66	-5.24	0.78	-0.07	40.92
11,161.00	0.86	274.75	11,159.33	-5.09	11.08	-4.93	0.34	-0.25	-13.77
11,256.00	0.63	275.44	11,254.32	-4.99	9.85	-4.84	0.24	-0.24	0.73
11,350.00	0.65	313.32	11,348.32	-4.57	8.95	-4.43	0.44	0.02	40.30
11,445.00	1.09	315.45	11,443.31	-3.56	7.92	-3.44	0.46	0.46	2.24
11,540.00	1.44	318.71	11,538.28	-2.02	6.50	-1.92	0.38	0.37	3.43
11,634.00	1.92	311.22	11,632.24	-0.09	4.53	-0.02	0.56	0.51	-7.97
11,748.00	7.16	358.73	11,745.87	8.28	2.94	8.32	5.29	4.60	41.68
11,843.00	13.41	336.86	11,839.33	24.35	-1.53	24.32	7.65	6.58	-23.02
11,890.00	18.01	332.71	11,884.57	35.82	-7.00	35.71	10.07	9.79	-8.83
11,938.00	24.05	334.84	11,929.35	51.29	-14.57	51.06	12.68	12.58	4.44
11,985.00	29.00	338.61	11,971.39	70.58	-22.80	70.22	11.12	10.53	8.02
12,033.00	36.29	343.72	12,011.79	95.08	-31.04	94.60	16.23	15.19	10.65
12,080.00	40.44	345.90	12,048.63	123.23	-38.66	122.63	9.29	8.83	4.64
12,128.00	46.13	349.36	12,083.57	155.37	-45.65	154.66	12.84	11.85	7.21
12,175.00	54.03	354.19	12,113.71	191.01	-50.72	190.22	18.56	16.81	10.28
12,222.00	59.06	359.05	12,139.63	230.12	-52.98	229.30	13.74	10.70	10.34
12,269.00	65.02	6.19	12,161.67	271.53	-51.01	270.73	18.45	12.68	15.19
12,317.00	68.45	12.79	12,180.65	314.98	-43.71	314.29	14.51	7.15	13.75
12,364.00	71.57	19.46	12,196.73	357.37	-31.43	356.86	14.89	6.64	14.19
12,412.00	75.72	20.27	12,210.24	400.68	-15.78	400.39	8.80	8.65	1.69
12,459.00	80.02	20.80	12,220.12	443.70	0.33	443.65	9.22	9.15	1.13
12,507.00	83.88	21.19	12,226.84	488.06	17.36	488.27	8.08	8.04	0.81
12,554.00	87.19	21.52	12,230.50	531.69	34.42	532.15	7.08	7.04	0.70
12,601.00	89.28	21.85	12,231.94	575.34	51.78	576.06	4.50	4.45	0.70
12,648.00	90.19	21.50	12,232.16	619.02	69.14	619.99	2.07	1.94	-0.74
12,696.00	90.15	20.62	12,232.02	663.81	86.38	665.04	1.84	-0.08	-1.83
12,743.00	89.51	17.04	12,232.16	708.29	101.55	709.74	7.74	-1.36	-7.62
12,791.00	89.98	13.70	12,232.37	754.57	114.27	756.21	7.03	0.98	-6.96
FTP: 12791' MD (as planned - see C-104 for actuals)									
12,867.00	86.71	19.37	12,234.57	827.35	135.88	829.31	8.61	-4.30	7.46



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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)
First Phoenix MWD Survey - ST01									
12,958.00	89.42	16.36	12,237.64	913.90	163.77	916.27	4.45	2.98	-3.31
13,050.00	90.55	12.75	12,237.67	1,002.93	186.89	1,005.64	4.11	1.23	-3.92
13,141.00	91.90	6.39	12,235.72	1,092.60	202.01	1,095.52	7.14	1.48	-6.99
13,233.00	91.30	0.16	12,233.15	1,184.36	207.26	1,187.36	6.80	-0.65	-6.77
13,324.00	91.96	359.78	12,230.56	1,275.33	207.21	1,278.31	0.84	0.73	-0.42
13,419.00	91.80	359.30	12,227.44	1,370.27	206.45	1,373.24	0.53	-0.17	-0.51
13,513.00	92.07	359.14	12,224.27	1,464.21	205.17	1,467.14	0.33	0.29	-0.17
13,608.00	91.38	359.87	12,221.41	1,559.16	204.35	1,562.07	1.06	-0.73	0.77
13,702.00	91.87	0.05	12,218.74	1,653.12	204.28	1,656.02	0.56	0.52	0.19
13,797.00	90.04	0.27	12,217.16	1,748.11	204.55	1,751.00	1.94	-1.93	0.23
13,891.00	90.64	0.32	12,216.60	1,842.10	205.03	1,844.99	0.64	0.64	0.05
13,986.00	91.38	0.05	12,214.93	1,937.09	205.34	1,939.97	0.83	0.78	-0.28
14,081.00	90.78	0.53	12,213.14	2,032.07	205.82	2,034.95	0.81	-0.63	0.51
14,175.00	91.72	0.52	12,211.09	2,126.04	206.68	2,128.92	1.00	1.00	-0.01
14,270.00	89.04	359.64	12,210.46	2,221.03	206.81	2,223.90	2.97	-2.82	-0.93
14,365.00	89.18	359.24	12,211.93	2,316.01	205.88	2,318.86	0.45	0.15	-0.42
14,460.00	90.69	358.49	12,212.04	2,410.99	204.00	2,413.80	1.77	1.59	-0.79
14,554.00	87.28	358.39	12,213.70	2,504.93	201.44	2,507.69	3.63	-3.63	-0.11
14,649.00	89.59	358.11	12,216.30	2,599.84	198.54	2,602.55	2.45	2.43	-0.29
14,743.00	90.29	357.56	12,216.40	2,693.77	194.99	2,696.41	0.95	0.74	-0.59
14,838.00	88.14	359.19	12,217.70	2,788.72	192.30	2,791.31	2.84	-2.26	1.72
14,933.00	88.53	358.96	12,220.46	2,883.66	190.77	2,886.22	0.48	0.41	-0.24
15,027.00	89.10	358.44	12,222.40	2,977.62	188.63	2,980.13	0.82	0.61	-0.55
15,121.00	90.19	358.26	12,222.98	3,071.58	185.93	3,074.04	1.18	1.16	-0.19
15,216.00	90.78	0.39	12,222.18	3,166.56	184.81	3,168.99	2.33	0.62	2.24
15,311.00	90.96	0.51	12,220.74	3,261.55	185.55	3,263.98	0.23	0.19	0.13
15,406.00	91.24	359.70	12,218.91	3,356.53	185.73	3,358.95	0.90	0.29	-0.85
15,501.00	90.98	359.27	12,217.07	3,451.51	184.87	3,453.91	0.53	-0.27	-0.45
15,595.00	91.93	359.19	12,214.69	3,545.47	183.61	3,547.84	1.01	1.01	-0.09
15,690.00	90.50	359.95	12,212.67	3,640.44	182.90	3,642.79	1.70	-1.51	0.80
15,785.00	90.21	359.51	12,212.08	3,735.44	182.45	3,737.77	0.55	-0.31	-0.46
15,879.00	90.38	358.99	12,211.60	3,829.43	181.22	3,831.73	0.58	0.18	-0.55
15,974.00	90.02	358.19	12,211.27	3,924.40	178.88	3,926.65	0.92	-0.38	-0.84
16,069.00	90.19	359.79	12,211.09	4,019.38	177.21	4,021.60	1.69	0.18	1.68
16,164.00	89.65	359.82	12,211.23	4,114.38	176.89	4,116.58	0.57	-0.57	0.03
16,259.00	90.02	359.46	12,211.50	4,209.37	176.29	4,211.56	0.54	0.39	-0.38
16,353.00	90.22	1.35	12,211.30	4,303.37	176.95	4,305.55	2.02	0.21	2.01
16,448.00	91.27	1.38	12,210.07	4,398.33	179.22	4,400.54	1.11	1.11	0.03
16,543.00	91.66	0.98	12,207.64	4,493.28	181.17	4,495.51	0.59	0.41	-0.42
16,637.00	89.42	1.00	12,206.75	4,587.26	182.80	4,589.49	2.38	-2.38	0.02
16,732.00	89.62	0.81	12,207.55	4,682.24	184.30	4,684.49	0.29	0.21	-0.20
16,827.00	90.08	0.43	12,207.80	4,777.23	185.32	4,779.49	0.63	0.48	-0.40



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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)
16,921.00	91.19	0.01	12,206.76	4,871.23	185.69	4,873.48	1.26	1.18	-0.45
17,016.00	91.81	359.85	12,204.27	4,966.19	185.57	4,968.43	0.67	0.65	-0.17
17,111.00	89.48	0.72	12,203.20	5,061.18	186.04	5,063.41	2.62	-2.45	0.92
17,206.00	88.51	1.42	12,204.87	5,156.15	187.82	5,158.40	1.26	-1.02	0.74
17,300.00	89.18	1.27	12,206.76	5,250.10	190.02	5,252.37	0.73	0.71	-0.16
17,395.00	88.25	0.76	12,208.89	5,345.06	191.70	5,347.35	1.12	-0.98	-0.54
17,490.00	87.86	0.58	12,212.12	5,440.00	192.81	5,442.29	0.45	-0.41	-0.19
17,585.00	88.57	0.03	12,215.08	5,534.95	193.32	5,537.24	0.95	0.75	-0.58
17,680.00	90.50	359.20	12,215.85	5,629.94	192.68	5,632.21	2.21	2.03	-0.87
17,774.00	91.38	358.33	12,214.30	5,723.90	190.66	5,726.13	1.32	0.94	-0.93
17,869.00	91.95	358.55	12,211.54	5,818.83	188.07	5,821.01	0.64	0.60	0.23
17,964.00	89.99	359.55	12,209.94	5,913.79	186.50	5,915.94	2.32	-2.06	1.05
18,058.00	90.08	359.45	12,209.88	6,007.79	185.68	6,009.91	0.14	0.10	-0.11
18,153.00	90.39	359.42	12,209.49	6,102.79	184.74	6,104.88	0.33	0.33	-0.03
18,248.00	90.81	359.34	12,208.49	6,197.77	183.71	6,199.84	0.45	0.44	-0.08
18,343.00	90.84	359.02	12,207.13	6,292.75	182.35	6,294.79	0.34	0.03	-0.34
18,437.00	89.45	0.67	12,206.89	6,386.75	182.10	6,388.77	2.30	-1.48	1.76
18,532.00	89.88	1.18	12,207.44	6,481.73	183.63	6,483.77	0.70	0.45	0.54
18,627.00	90.58	1.36	12,207.06	6,576.71	185.74	6,578.77	0.76	0.74	0.19
18,721.00	90.79	0.97	12,205.94	6,670.68	187.65	6,672.76	0.47	0.22	-0.41
18,816.00	89.65	0.83	12,205.57	6,765.67	189.14	6,767.76	1.21	-1.20	-0.15
18,911.00	90.24	0.96	12,205.67	6,860.66	190.62	6,862.75	0.64	0.62	0.14
19,006.00	90.18	359.49	12,205.32	6,955.65	191.00	6,957.75	1.55	-0.06	-1.55
19,101.00	91.35	359.67	12,204.05	7,050.64	190.30	7,052.71	1.25	1.23	0.19
19,162.00	91.56	359.19	12,202.50	7,111.62	189.69	7,113.67	0.86	0.34	-0.79
19,257.00	89.76	357.97	12,201.41	7,206.58	187.34	7,208.58	2.29	-1.89	-1.28
19,351.00	89.92	357.89	12,201.67	7,300.51	183.94	7,302.46	0.19	0.17	-0.09
19,446.00	88.45	358.96	12,203.02	7,395.47	181.33	7,397.36	1.91	-1.55	1.13
19,541.00	88.48	358.22	12,205.56	7,490.40	179.00	7,492.25	0.78	0.03	-0.78
19,636.00	88.59	358.36	12,207.99	7,585.33	176.16	7,587.12	0.19	0.12	0.15
19,731.00	89.42	358.72	12,209.64	7,680.28	173.74	7,682.03	0.95	0.87	0.38
19,826.00	89.72	358.34	12,210.36	7,775.25	171.31	7,776.95	0.51	0.32	-0.40
19,920.00	89.76	357.96	12,210.78	7,869.20	168.27	7,870.84	0.41	0.04	-0.40
20,015.00	89.48	357.64	12,211.41	7,964.13	164.62	7,965.70	0.45	-0.29	-0.34
20,110.00	88.88	357.81	12,212.77	8,059.04	160.85	8,060.55	0.66	-0.63	0.18
20,205.00	89.58	357.60	12,214.05	8,153.95	157.05	8,155.40	0.77	0.74	-0.22
20,300.00	90.42	359.81	12,214.05	8,248.92	154.90	8,250.32	2.49	0.88	2.33
20,394.00	91.15	1.49	12,212.76	8,342.90	155.97	8,344.31	1.95	0.78	1.79
20,489.00	91.63	1.46	12,210.46	8,437.85	158.41	8,439.28	0.51	0.51	-0.03
20,678.00	92.03	0.56	12,204.42	8,626.72	161.74	8,628.18	0.52	0.21	-0.48
20,773.00	92.55	0.66	12,200.62	8,721.64	162.75	8,723.10	0.56	0.55	0.11
20,868.00	91.13	0.75	12,197.57	8,816.58	163.92	8,818.05	1.50	-1.49	0.09
20,963.00	90.42	0.56	12,196.29	8,911.56	165.01	8,913.04	0.77	-0.75	-0.20
21,057.00	91.13	0.33	12,195.02	9,005.55	165.74	9,007.03	0.79	0.76	-0.24



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 324H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3747.50usft (H&P 474)
Site:	Wild Salsa Fed Com	MD Reference:	RKB @ 3747.50usft (H&P 474)
Well:	324H	North Reference:	Grid
Wellbore:	ST01 / 67084	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)
21,152.00	91.79	0.12	12,192.60	9,100.52	166.11	9,101.99	0.73	0.69	-0.22
21,247.00	89.98	359.81	12,191.13	9,195.50	166.05	9,196.96	1.93	-1.91	-0.33
21,387.00	90.96	358.88	12,189.98	9,335.48	164.45	9,336.90	0.97	0.70	-0.66
21,482.00	90.08	0.10	12,189.12	9,430.47	163.61	9,431.87	1.58	-0.93	1.28
21,577.00	90.19	0.09	12,188.90	9,525.47	163.76	9,526.86	0.12	0.12	-0.01
21,672.00	90.70	0.25	12,188.16	9,620.47	164.05	9,621.85	0.56	0.54	0.17
21,766.00	89.90	0.77	12,187.67	9,714.46	164.88	9,715.85	1.02	-0.85	0.55
21,861.00	90.42	0.89	12,187.40	9,809.45	166.26	9,810.85	0.56	0.55	0.13
21,956.00	89.88	0.87	12,187.15	9,904.44	167.72	9,905.85	0.57	-0.57	-0.02
22,050.00	89.61	1.13	12,187.57	9,998.43	169.36	9,999.84	0.40	-0.29	0.28
22,145.00	87.77	0.60	12,189.74	10,093.39	170.79	10,094.81	2.02	-1.94	-0.56
22,240.00	87.63	0.47	12,193.55	10,188.31	171.68	10,189.74	0.20	-0.15	-0.14
22,335.00	92.23	359.64	12,193.67	10,283.28	171.77	10,284.70	4.92	4.84	-0.87
22,430.00	91.01	359.28	12,190.98	10,378.23	170.88	10,379.63	1.34	-1.28	-0.38
22,525.00	90.30	359.63	12,189.90	10,473.22	169.97	10,474.60	0.83	-0.75	0.37
22,619.00	89.13	358.91	12,190.37	10,567.21	168.77	10,568.56	1.46	-1.24	-0.77
22,714.00	88.56	358.74	12,192.28	10,662.17	166.83	10,663.48	0.63	-0.60	-0.18
Final Phoenix MWD Survey - ST01									
22,866.00	88.56	358.74	12,196.10	10,814.09	163.49	10,815.32	0.00	0.00	0.00
Projection to TD - ST01									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,791.00	12,232.37	754.57	114.27	FTP: 12791' MD (as planned - see C-104 for actuals)
12,867.00	12,234.57	827.35	135.88	First Phoenix MWD Survey - ST01
22,714.00	12,192.28	10,662.17	166.83	Final Phoenix MWD Survey - ST01
22,866.00	12,196.10	10,814.09	163.49	Projection to TD - ST01

Checked By: _____ Approved By: _____ Date: _____

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 32743

ACKNOWLEDGMENTS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 32743
	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 32743

CONDITIONS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 32743
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	6/19/2021