

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/8/18/2021	
⁴ API Number 30 – 025-48402	⁵ Pool Name WC-025 G -08 S263412K; Bone Spring		⁶ Pool Code 96672
⁷ Property Code 329869	⁸ Property Name Love Shack Fed Com		⁹ Well Number 321H

II. ¹⁰ Surface Location

UL or lot no. M	Section 17	Township 26S	Range 35E	Lot Idn	Feet from the 269’	North/South Line S	Feet from the 644’	East/West line W	County Lea
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¹¹ Bottom Hole Location

UL or lot no. D	Section 8	Township 23S	Range 35E	Lot Idn	Feet from the 17’	North/South line N	Feet from the 316’	East/West line W	County Lea
¹² Lse Code F	¹³ Producing Method Code P		¹⁴ Gas Connection Date 8/18/2021		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

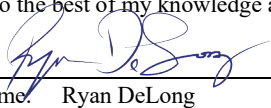
III. Oil and Gas Transporters

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 75201	G
308339	Oilfield Water Logistics 8201 Preston Rd, Suite 520 Dallas, TX 75225	W

IV. Well Completion Data

²¹ Spud Date 2/28/2021	²² Ready Date 8/18/2021	²³ TD 22829’	²⁴ PBTD N/A	²⁵ Perforations 12488’-22732’	²⁶ DHC, MC N/A
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
13.5		10.75		1203’	
9.875		7.625		11909’	
6.75		5.5		11700’	
		5		22829’	
				1550 Class H	

V. Well Test Data

³¹ Date New Oil 8/18/2021	³² Gas Delivery Date 8/18/2021	³³ Test Date 9/13/2021	³⁴ Test Length 24hr	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 2673
³⁷ Choke Size 37	³⁸ Oil 1517	³⁹ Water 7989	⁴⁰ Gas 2171		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: 12/20/2021		
Date: 12/15/2021		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 30-025-48402	2 Pool Code 96672	3 Pool Name WC-025 G-08 S263412K; BONE SPRING
4 Property Code 329869	5 Property Name LOVE SHACK FED COM	6 Well Number 321H
7 OGRID No. 373986	8 Operator Name TITUS OIL & GAS PRODUCTION LLC	9 Elevation 3202'

" Surface Location

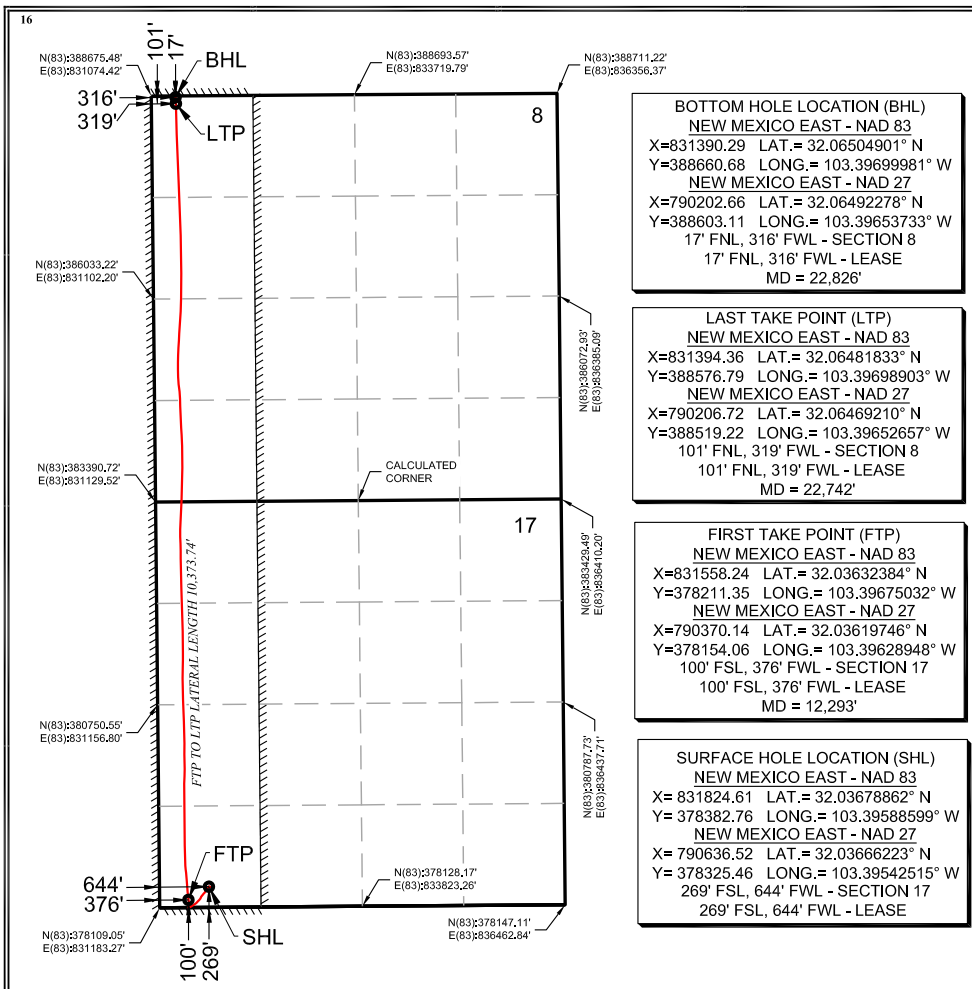
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	17	26-S	35-E		269'	SOUTH	644'	WEST	LEA

" Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	8	26-S	35-E		17'	NORTH	316'	WEST	LEA

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

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.

Ryan DeLong 7/28/2021
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.

Date of Survey
Signature and Seal of Professional Surveyor:

6/23/2021
Certificate Number



Titus Oil & Gas Production, LLC

Lea County, NM (NAD27 NME)

Love Shack Fed Com

321H

OH / 67358

Survey: Phoenix MWD Surveys

Standard Survey Report

24 May, 2021





Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 321H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3225.00usft (Nabors 7503)
Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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		Love Shack Fed Com							
Site Position:		Northing:	378,325.18	usft	Latitude:	32° 2' 11.983884 N			
From:	Map	Easting:	790,606.47	usft	Longitude:	103° 23' 43.879668 W			
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.50	°

Well	321H					
Well Position	+N/-S	0.00 usft	Northing:	378,325.46 usft	Latitude:	32° 2' 11.984028 N
	+E/-W	0.00 usft	Easting:	790,636.52 usft	Longitude:	103° 23' 43.530540 W
Position Uncertainty		1.00 usft	Wellhead Elevation:	usft	Ground Level:	3,202.00 usft

Wellbore	OH / 67358				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	3/20/2021	6.37	59.63	47,479.75569497

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)	Direction (°)	
	0.00	0.00	0.00	359.41	

Survey Program	Date	5/24/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
186.00	22,826.00	Phoenix MWD Surveys (OH / 67358)	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
186.00	1.14	54.02	185.99	1.09	1.50	1.07	0.61	0.61	0.00
First Phoenix MWD Survey									
340.00	0.92	83.78	339.96	2.12	3.97	2.08	0.37	-0.14	19.32
492.00	1.15	78.53	491.94	2.56	6.67	2.49	0.16	0.15	-3.45
674.00	1.00	98.29	673.91	2.69	10.04	2.59	0.22	-0.08	10.86
857.00	1.04	177.20	856.89	0.80	11.70	0.68	0.71	0.02	43.12
1,040.00	1.18	250.03	1,039.86	-1.50	10.01	-1.60	0.72	0.08	39.80
1,157.00	1.18	246.99	1,156.84	-2.38	7.77	-2.46	0.05	0.00	-2.60
1,235.00	1.35	240.20	1,234.82	-3.15	6.23	-3.22	0.29	0.22	-8.71
1,420.00	2.65	245.13	1,419.70	-6.04	0.46	-6.04	0.71	0.70	2.66



Survey Report



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Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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)
1,609.00	2.74	238.29	1,608.49	-10.25	-7.35	-10.17	0.18	0.05	-3.62
1,796.00	2.64	234.04	1,795.29	-15.13	-14.64	-14.97	0.12	-0.05	-2.27
1,984.00	2.61	234.57	1,983.09	-20.15	-21.63	-19.93	0.02	-0.02	0.28
2,171.00	2.47	217.74	2,169.91	-25.80	-27.57	-25.52	0.40	-0.07	-9.00
2,359.00	2.66	211.24	2,357.72	-32.74	-32.31	-32.40	0.18	0.10	-3.46
2,547.00	2.68	204.80	2,545.52	-40.46	-36.41	-40.08	0.16	0.01	-3.43
2,735.00	2.50	199.54	2,733.32	-48.31	-39.63	-47.90	0.16	-0.10	-2.80
2,924.00	3.08	212.28	2,922.10	-56.49	-43.72	-56.04	0.45	0.31	6.74
3,112.00	3.22	213.01	3,109.82	-65.19	-49.29	-64.68	0.08	0.07	0.39
3,301.00	2.57	200.83	3,298.58	-73.60	-53.69	-73.04	0.47	-0.34	-6.44
3,489.00	3.72	229.23	3,486.30	-81.52	-59.81	-80.90	1.01	0.61	15.11
3,676.00	2.49	221.91	3,673.02	-88.51	-67.12	-87.81	0.69	-0.66	-3.91
3,864.00	1.99	216.05	3,860.88	-94.18	-71.77	-93.44	0.29	-0.27	-3.12
4,051.00	3.01	218.22	4,047.70	-100.67	-76.72	-99.87	0.55	0.55	1.16
4,239.00	2.27	224.99	4,235.50	-107.18	-82.40	-106.32	0.43	-0.39	3.60
4,426.00	1.87	218.04	4,422.38	-112.20	-86.90	-111.30	0.25	-0.21	-3.72
4,614.00	3.43	224.62	4,610.17	-118.62	-92.74	-117.66	0.84	0.83	3.50
4,802.00	4.15	207.84	4,797.76	-128.64	-99.87	-127.60	0.70	0.38	-8.93
4,990.00	4.91	197.74	4,985.18	-142.32	-105.50	-141.22	0.58	0.40	-5.37
5,178.00	4.76	212.07	5,172.52	-156.59	-112.09	-155.43	0.65	-0.08	7.62
5,272.00	5.09	224.53	5,266.17	-162.87	-117.08	-161.65	1.19	0.35	13.26
5,367.00	4.72	224.87	5,360.82	-168.64	-122.80	-167.37	0.39	-0.39	0.36
5,555.00	4.17	222.38	5,548.26	-179.17	-132.86	-177.80	0.31	-0.29	-1.32
5,743.00	3.98	224.63	5,735.78	-188.87	-142.05	-187.39	0.13	-0.10	1.20
5,931.00	3.29	218.94	5,923.40	-197.71	-150.03	-196.15	0.41	-0.37	-3.03
6,120.00	4.23	232.10	6,112.00	-206.21	-158.94	-204.56	0.67	0.50	6.96
6,308.00	3.63	227.92	6,299.55	-214.45	-168.82	-212.70	0.35	-0.32	-2.22
6,496.00	3.20	226.89	6,487.22	-222.03	-177.07	-220.19	0.23	-0.23	-0.55
6,684.00	4.55	235.81	6,674.79	-229.80	-187.07	-227.87	0.78	0.72	4.74
6,871.00	4.96	239.89	6,861.14	-238.03	-200.20	-235.95	0.28	0.22	2.18
7,059.00	4.60	240.42	7,048.49	-245.83	-213.79	-243.61	0.19	-0.19	0.28
7,248.00	4.04	235.99	7,236.95	-253.29	-225.90	-250.95	0.34	-0.30	-2.34
7,436.00	3.53	230.66	7,424.54	-260.67	-235.86	-258.22	0.33	-0.27	-2.84
7,624.00	2.16	268.49	7,612.32	-264.43	-243.88	-261.90	1.20	-0.73	20.12
7,812.00	1.66	268.03	7,800.22	-264.62	-250.15	-262.03	0.27	-0.27	-0.24
8,000.00	1.52	257.34	7,988.15	-265.26	-255.30	-262.61	0.17	-0.07	-5.69
8,188.00	1.26	249.35	8,176.09	-266.53	-259.67	-263.84	0.17	-0.14	-4.25
8,377.00	1.18	243.41	8,365.05	-268.13	-263.35	-265.41	0.08	-0.04	-3.14
8,565.00	0.88	240.15	8,553.02	-269.72	-266.33	-266.96	0.16	-0.16	-1.73
8,752.00	0.67	238.26	8,740.00	-271.01	-268.51	-268.23	0.11	-0.11	-1.01
8,940.00	0.66	220.32	8,927.99	-272.41	-270.15	-269.62	0.11	-0.01	-9.54
9,128.00	1.00	157.76	9,115.97	-274.76	-270.23	-271.96	0.48	0.18	-33.28
9,316.00	1.13	140.42	9,303.94	-277.70	-268.42	-274.93	0.18	0.07	-9.22



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 321H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3225.00usft (Nabors 7503)
Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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)	
9,504.00	1.54	142.07	9,491.89	-281.13	-265.69	-278.38	0.22	0.22	0.88	
9,692.00	1.02	110.94	9,679.84	-283.72	-262.57	-281.00	0.45	-0.28	-16.56	
9,881.00	1.02	355.37	9,868.83	-282.64	-261.14	-279.94	0.91	0.00	-61.15	
10,069.00	0.79	355.04	10,056.80	-279.68	-261.39	-276.98	0.12	-0.12	-0.18	
10,258.00	1.25	2.06	10,245.77	-276.32	-261.42	-273.62	0.25	0.24	3.71	
10,446.00	1.81	356.46	10,433.70	-271.31	-261.53	-268.60	0.31	0.30	-2.98	
10,634.00	1.58	23.00	10,621.62	-265.96	-260.70	-263.26	0.43	-0.12	14.12	
10,822.00	1.60	44.26	10,809.55	-261.70	-257.86	-259.03	0.31	0.01	11.31	
11,010.00	2.21	10.69	10,997.45	-256.25	-255.36	-253.61	0.66	0.32	-17.86	
11,197.00	1.55	6.19	11,184.35	-250.20	-254.41	-247.56	0.36	-0.35	-2.41	
11,291.00	0.99	8.75	11,278.33	-248.13	-254.15	-245.50	0.60	-0.60	2.72	
11,479.00	1.95	129.68	11,466.29	-248.57	-251.44	-245.97	1.38	0.51	64.32	
11,667.00	0.94	168.14	11,654.24	-252.12	-248.67	-249.55	0.72	-0.54	20.46	
11,855.00	1.43	201.48	11,842.20	-255.81	-249.21	-253.23	0.44	0.26	17.73	
11,957.00	1.56	207.58	11,944.16	-258.23	-250.32	-255.64	0.20	0.13	5.98	
12,052.00	5.34	352.62	12,039.05	-254.98	-251.48	-252.38	7.03	3.98	152.67	
12,099.00	12.78	348.88	12,085.43	-247.70	-252.77	-245.09	15.87	15.83	-7.96	
12,147.00	18.09	349.27	12,131.68	-235.16	-255.18	-232.52	11.06	11.06	0.81	
12,194.00	22.64	348.94	12,175.73	-219.11	-258.28	-216.44	9.68	9.68	-0.70	
12,242.00	29.41	349.76	12,218.84	-198.42	-262.15	-195.71	14.12	14.10	1.71	
12,289.00	35.01	352.07	12,258.59	-173.69	-266.06	-170.94	12.20	11.91	4.91	
12,293.00	35.48	352.33	12,261.86	-171.40	-266.38	-168.65	12.28	11.68	6.58	
12,337.00	40.65	354.88	12,296.49	-144.45	-269.36	-141.67	12.28	11.76	5.79	
12,384.00	44.48	354.42	12,331.10	-112.81	-272.33	-110.00	8.18	8.15	-0.98	
12,432.00	49.54	354.56	12,363.82	-77.87	-275.70	-75.03	10.54	10.54	0.29	
12,479.00	57.75	353.96	12,391.66	-40.24	-279.49	-37.36	17.50	17.47	-1.28	
12,526.00	66.02	355.80	12,413.79	1.01	-283.16	3.93	17.93	17.60	3.91	
12,573.00	67.95	355.33	12,432.16	44.14	-286.51	47.09	4.21	4.11	-1.00	
12,622.00	69.97	355.51	12,449.75	89.72	-290.16	92.71	4.14	4.12	0.37	
12,668.00	72.82	355.69	12,464.43	133.19	-293.50	136.20	6.21	6.20	0.39	
12,717.00	77.48	354.66	12,476.98	180.37	-297.49	183.42	9.72	9.51	-2.10	
12,764.00	84.22	353.66	12,484.45	226.50	-302.21	229.60	14.49	14.34	-2.13	
12,811.00	90.13	355.01	12,486.77	273.19	-306.84	276.34	12.90	12.57	2.87	
12,841.00	91.13	355.82	12,486.44	303.09	-309.24	306.26	4.29	3.33	2.70	
12,933.00	92.33	358.57	12,483.66	394.93	-313.74	398.14	3.26	1.30	2.99	
13,028.00	90.49	359.68	12,481.32	489.89	-315.19	493.11	2.26	-1.94	1.17	
13,123.00	91.53	359.96	12,479.65	584.87	-315.49	588.09	1.13	1.09	0.29	
13,218.00	89.44	359.83	12,478.84	679.86	-315.66	683.08	2.20	-2.20	-0.14	
13,312.00	91.05	0.24	12,478.44	773.86	-315.61	777.07	1.77	1.71	0.44	
13,407.00	88.27	359.30	12,479.00	868.84	-315.99	872.05	3.09	-2.93	-0.99	
13,502.00	87.82	358.47	12,482.25	963.77	-317.84	966.99	0.99	-0.47	-0.87	
13,597.00	89.45	358.43	12,484.51	1,058.70	-320.40	1,061.95	1.72	1.72	-0.04	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 321H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3225.00usft (Nabors 7503)
Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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)	
13,692.00	90.12	357.85	12,484.87	1,153.65	-323.49	1,156.92	0.93	0.71	-0.61	
13,786.00	91.02	0.66	12,483.93	1,247.63	-324.71	1,250.91	3.14	0.96	2.99	
13,881.00	89.67	2.09	12,483.36	1,342.60	-322.43	1,345.85	2.07	-1.42	1.51	
13,976.00	88.84	2.61	12,484.59	1,437.51	-318.54	1,440.71	1.03	-0.87	0.55	
14,071.00	86.39	359.64	12,488.55	1,532.39	-316.67	1,535.57	4.05	-2.58	-3.13	
14,166.00	86.59	359.11	12,494.36	1,627.20	-317.70	1,630.39	0.60	0.21	-0.56	
14,261.00	87.34	358.85	12,499.39	1,722.06	-319.39	1,725.25	0.84	0.79	-0.27	
14,356.00	89.84	0.37	12,501.73	1,817.01	-320.04	1,820.21	3.08	2.63	1.60	
14,451.00	87.78	358.81	12,503.70	1,911.98	-320.72	1,915.18	2.72	-2.17	-1.64	
14,546.00	88.42	358.62	12,506.85	2,006.91	-322.85	2,010.12	0.70	0.67	-0.20	
14,640.00	87.36	358.81	12,510.31	2,100.82	-324.95	2,104.05	1.15	-1.13	0.20	
14,735.00	86.64	358.17	12,515.29	2,195.65	-327.45	2,198.91	1.01	-0.76	-0.67	
14,829.00	87.39	357.97	12,520.18	2,289.47	-330.62	2,292.76	0.83	0.80	-0.21	
14,924.00	87.60	357.48	12,524.33	2,384.31	-334.38	2,387.62	0.56	0.22	-0.52	
15,018.00	88.17	357.35	12,527.80	2,478.15	-338.62	2,481.50	0.62	0.61	-0.14	
15,112.00	89.38	358.92	12,529.81	2,572.07	-341.68	2,575.45	2.11	1.29	1.67	
15,206.00	90.59	0.79	12,529.84	2,666.06	-341.92	2,669.44	2.37	1.29	1.99	
15,300.00	89.68	0.71	12,529.62	2,760.05	-340.68	2,763.42	0.97	-0.97	-0.09	
15,394.00	90.10	0.52	12,529.80	2,854.05	-339.68	2,857.40	0.49	0.45	-0.20	
15,489.00	90.56	0.39	12,529.25	2,949.04	-338.92	2,952.38	0.50	0.48	-0.14	
15,584.00	89.52	0.46	12,529.18	3,044.04	-338.22	3,047.36	1.10	-1.09	0.07	
15,679.00	88.39	359.57	12,530.91	3,139.02	-338.19	3,142.34	1.51	-1.19	-0.94	
15,774.00	88.25	358.95	12,533.70	3,233.97	-339.42	3,237.30	0.67	-0.15	-0.65	
15,868.00	90.28	358.77	12,534.91	3,327.94	-341.29	3,331.28	2.17	2.16	-0.19	
15,963.00	90.50	358.02	12,534.26	3,422.90	-343.95	3,426.26	0.82	0.23	-0.79	
16,058.00	90.44	357.32	12,533.48	3,517.82	-347.81	3,521.21	0.74	-0.06	-0.74	
16,153.00	90.98	356.92	12,532.30	3,612.69	-352.58	3,616.13	0.71	0.57	-0.42	
16,248.00	90.32	359.64	12,531.22	3,707.63	-355.43	3,711.10	2.95	-0.69	2.86	
16,343.00	91.01	359.76	12,530.12	3,802.62	-355.93	3,806.09	0.74	0.73	0.13	
16,437.00	89.10	358.73	12,530.03	3,896.61	-357.17	3,900.08	2.31	-2.03	-1.10	
16,532.00	89.31	358.47	12,531.35	3,991.57	-359.49	3,995.06	0.35	0.22	-0.27	
16,626.00	89.45	357.72	12,532.37	4,085.51	-362.62	4,089.03	0.81	0.15	-0.80	
16,721.00	90.25	358.73	12,532.62	4,180.47	-365.56	4,184.01	1.36	0.84	1.06	
16,816.00	90.96	0.02	12,531.61	4,275.45	-366.59	4,279.00	1.55	0.75	1.36	
16,909.00	90.75	358.91	12,530.22	4,368.44	-367.46	4,371.99	1.21	-0.23	-1.19	
17,003.00	90.13	357.49	12,529.50	4,462.39	-370.42	4,465.96	1.65	-0.66	-1.51	
17,097.00	90.87	358.44	12,528.68	4,556.32	-373.75	4,559.93	1.28	0.79	1.01	
17,192.00	93.20	1.19	12,525.31	4,651.24	-374.06	4,654.85	3.79	2.45	2.89	
17,286.00	92.75	3.43	12,520.43	4,745.04	-370.28	4,748.60	2.43	-0.48	2.38	
17,380.00	91.19	2.76	12,517.20	4,838.84	-365.21	4,842.34	1.81	-1.66	-0.71	
17,474.00	90.36	1.47	12,515.93	4,932.76	-361.74	4,936.23	1.63	-0.88	-1.37	
17,569.00	91.33	2.28	12,514.53	5,027.70	-358.63	5,031.13	1.33	1.02	0.85	
17,664.00	92.72	3.68	12,511.17	5,122.51	-353.69	5,125.88	2.08	1.46	1.47	
17,759.00	90.84	1.29	12,508.22	5,217.36	-349.58	5,220.69	3.20	-1.98	-2.52	



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 321H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3225.00usft (Nabors 7503)
Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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)
17,853.00	91.12	1.11	12,506.61	5,311.33	-347.61	5,314.63	0.35	0.30	-0.19
17,947.00	91.87	0.93	12,504.16	5,405.28	-345.94	5,408.56	0.82	0.80	-0.19
18,043.00	91.30	359.15	12,501.50	5,501.24	-345.87	5,504.51	1.95	-0.59	-1.85
18,138.00	92.58	359.64	12,498.29	5,596.18	-346.87	5,599.45	1.44	1.35	0.52
18,232.00	92.59	358.62	12,494.05	5,690.07	-348.30	5,693.35	1.08	0.01	-1.09
18,327.00	89.35	357.21	12,492.44	5,784.98	-351.76	5,788.29	3.72	-3.41	-1.48
18,422.00	90.08	357.75	12,492.91	5,879.88	-355.93	5,883.24	0.96	0.77	0.57
18,517.00	88.78	356.61	12,493.86	5,974.76	-360.61	5,978.16	1.82	-1.37	-1.20
18,611.00	89.75	358.11	12,495.06	6,068.65	-364.93	6,072.09	1.90	1.03	1.60
18,706.00	88.88	356.97	12,496.20	6,163.55	-369.01	6,167.03	1.51	-0.92	-1.20
18,801.00	90.50	357.95	12,496.71	6,258.45	-373.22	6,261.96	1.99	1.71	1.03
18,896.00	92.18	359.07	12,494.49	6,353.39	-375.69	6,356.92	2.13	1.77	1.18
18,990.00	91.86	352.44	12,491.17	6,447.02	-382.64	6,450.62	7.06	-0.34	-7.05
19,085.00	92.78	352.77	12,487.33	6,541.15	-394.86	6,544.87	1.03	0.97	0.35
19,180.00	92.94	359.02	12,482.58	6,635.74	-401.65	6,639.53	6.57	0.17	6.58
19,275.00	93.00	359.83	12,477.66	6,730.61	-402.60	6,734.40	0.85	0.06	0.85
19,370.00	92.18	359.56	12,473.37	6,825.51	-403.11	6,829.30	0.91	-0.86	-0.28
19,465.00	94.11	1.98	12,468.15	6,920.35	-401.83	6,924.12	3.26	2.03	2.55
19,560.00	94.78	3.69	12,460.79	7,014.94	-397.15	7,018.66	1.93	0.71	1.80
19,655.00	91.58	3.55	12,455.52	7,109.60	-391.16	7,113.25	3.37	-3.37	-0.15
19,750.00	91.76	3.55	12,452.75	7,204.37	-385.28	7,207.96	0.19	0.19	0.00
19,844.00	91.09	3.32	12,450.42	7,298.17	-379.65	7,301.70	0.75	-0.71	-0.24
19,939.00	91.46	3.60	12,448.30	7,392.98	-373.92	7,396.44	0.49	0.39	0.29
20,034.00	91.59	3.26	12,445.77	7,487.77	-368.24	7,491.17	0.38	0.14	-0.36
20,128.00	89.04	1.74	12,445.26	7,581.67	-364.14	7,585.02	3.16	-2.71	-1.62
20,222.00	89.76	1.52	12,446.24	7,675.63	-361.46	7,678.94	0.80	0.77	-0.23
20,317.00	89.79	1.31	12,446.61	7,770.60	-359.12	7,773.88	0.22	0.03	-0.22
20,411.00	91.12	359.67	12,445.87	7,864.59	-358.31	7,867.86	2.25	1.41	-1.74
20,506.00	91.50	359.36	12,443.70	7,959.56	-359.12	7,962.83	0.52	0.40	-0.33
20,600.00	92.35	359.20	12,440.54	8,053.50	-360.30	8,056.78	0.92	0.90	-0.17
20,696.00	90.15	358.67	12,438.44	8,149.45	-362.08	8,152.75	2.36	-2.29	-0.55
20,790.00	89.19	358.57	12,438.99	8,243.42	-364.35	8,246.74	1.03	-1.02	-0.11
20,885.00	89.68	358.40	12,439.92	8,338.38	-366.86	8,341.72	0.55	0.52	-0.18
20,980.00	91.01	359.18	12,439.35	8,433.36	-368.86	8,436.71	1.62	1.40	0.82
21,074.00	89.25	359.78	12,439.14	8,527.35	-369.72	8,530.70	1.98	-1.87	0.64
21,167.00	88.17	359.06	12,441.23	8,620.32	-370.66	8,623.68	1.40	-1.16	-0.77
21,262.00	87.93	358.31	12,444.46	8,715.24	-372.84	8,718.61	0.83	-0.25	-0.79
21,357.00	90.65	358.56	12,445.64	8,810.19	-375.43	8,813.58	2.88	2.86	0.26
21,452.00	90.42	356.74	12,444.75	8,905.10	-379.33	8,908.53	1.93	-0.24	-1.92
21,547.00	91.10	356.90	12,443.49	8,999.94	-384.60	9,003.43	0.74	0.72	0.17
21,633.00	91.15	356.70	12,441.81	9,085.79	-389.39	9,089.32	0.24	0.06	-0.23
21,729.00	92.01	356.56	12,439.16	9,181.59	-395.04	9,185.17	0.91	0.90	-0.15
21,822.00	90.62	357.48	12,437.02	9,274.44	-399.87	9,278.06	1.79	-1.49	0.99



Survey Report



Company:	Titus Oil & Gas Production, LLC	Local Co-ordinate Reference:	Well 321H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	RKB @ 3225.00usft (Nabors 7503)
Site:	Love Shack Fed Com	MD Reference:	RKB @ 3225.00usft (Nabors 7503)
Well:	321H	North Reference:	Grid
Wellbore:	OH / 67358	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)	
21,917.00	90.44	356.88	12,436.15	9,369.32	-404.54	9,372.98	0.66	-0.19	-0.63	
22,012.00	89.87	358.09	12,435.89	9,464.22	-408.71	9,467.93	1.41	-0.60	1.27	
22,107.00	90.33	358.86	12,435.72	9,559.19	-411.24	9,562.91	0.94	0.48	0.81	
22,200.00	90.96	358.97	12,434.68	9,652.16	-413.00	9,655.90	0.69	0.68	0.12	
22,295.00	91.33	358.96	12,432.78	9,747.13	-414.72	9,750.88	0.39	0.39	-0.01	
22,390.00	90.10	356.21	12,431.59	9,842.03	-418.72	9,845.82	3.17	-1.29	-2.89	
22,484.00	90.35	358.73	12,431.22	9,935.93	-422.87	9,939.75	2.69	0.27	2.68	
22,579.00	91.41	358.89	12,429.76	10,030.89	-424.84	10,034.74	1.13	1.12	0.17	
22,673.00	91.53	358.23	12,427.35	10,124.83	-427.20	10,128.69	0.71	0.13	-0.70	
22,742.85	91.18	357.46	12,425.70	10,194.61	-429.83	10,198.50	1.21	-0.49	-1.11	
22,768.00	91.06	357.18	12,425.20	10,219.73	-431.01	10,223.63	1.21	-0.49	-1.11	
Final Phoenix MWD Survey										
22,826.00	91.06	357.18	12,424.13	10,277.65	-433.86	10,281.57	0.00	0.00	0.00	
Projection to TD										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
22,826.00	12,424.13	20" Casing	20	24	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
186.00	185.99	1.09	1.50	First Phoenix MWD Survey	
22,768.00	12,425.20	10,219.73	-431.01	Final Phoenix MWD Survey	
22,826.00	12,424.13	10,277.65	-433.86	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____

Submit a 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. 30-025-48402
5. Indicate Type of Lease STATE ☐ FEED FED ☒
6. State Oil & Gas Lease No. 328507
7. Lease Name or Unit Agreement Name Love Shack Fed Com
8. Well Number 321H
9. OGRID Number 373986
10. Pool name or Wildcat WC-025 G-08 S2634I2K; BONE SPRING

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 ___ M ___ 269' ___ feet from the ___ South ___ line and ___ 644' ___ feet from the ___ West ___ line
Section 17 Township 26S Range 35E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3202'

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: ☐	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

5/29/2021 – PRESSURE UP CASING 9500PSI 30 MINUTES TEST
06/07/2021-07/15/2021 – PERF AND FRAC 68 STAGES, PERFS @ 12,488'-22,732'
FRAC WITH 487,419 BBL LIQUID AND 30,751,320 LBS OF PROPPANT
7/19//2021 – DRILL OUT PLUGS
TURN OVER TO PRODUCTION
TD 22829'

Spud Date: 2/28/2021

Rig Release Date: 5/23/2021

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

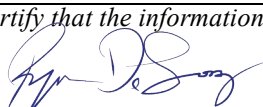
SIGNATURE  TITLE Regulatory Manager DATE 12/15/2021

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. 30-025-48402		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN		
								3. State Oil & Gas Lease No. 329869		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER								5. Lease Name or Unit Agreement Name Love Shack Fed Com		
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-08 S2634I2K; BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	M	17	26S	35E		269	S	644	W	Lea
BH:	D	8	26S	35E		17	N	316	W	Lea
13. Date Spudded 2/28/2021	14. Date T.D. Reached 5/23/2021		15. Date Rig Released 5/23/2021		16. Date Completed (Ready to Produce) 8/18//2021			17. Elevations (DF and RKB, RT, GR, etc.) 3202' GR		
18. Total Measured Depth of Well 22829'			19. Plug Back Measured Depth		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		1203'		13.5		700sx		
7.625		29.7		11909'		9.875		1780sx		
5.5		23		11700'		6.75		1550sx		
5		18		22829'		6.75				
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	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			
					12488-22732		Frac w/487,419bbl liquid, 30,751,320lbs prop			
28. PRODUCTION										
Date First Production 8/18/2021		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Prod				
Date of Test 9/13/2021	Hours Tested 24	Choke Size 37	Prod'n For Test Period	Oil - Bbl 1517	Gas - MCF 2171	Water - Bbl. 7989	Gas - Oil Ratio			
Flow Tubing Press.	Casing Pressure 2673	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (<i>Corr.</i>) 47.6				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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>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</i>										
Signature		Printed Name		Title		Date				
		Ryan DeLong		Regulatory Manager		12/15/2021				
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 1551	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 5048	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 12,104	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
12403'			Bone Springs

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 67378

ACKNOWLEDGMENTS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 67378
	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 67378

CONDITIONS

Operator: Titus Oil & Gas Production, LLC 420 Throckmorton St, Ste 1150 Fort Worth, TX 76012	OGRID: 373986
	Action Number: 67378
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days to NMOCD after BLM approval.	12/20/2021