

TITUS OIL GAS_{LLC}

RECEIVED
JUN 03 2019
DISTRICT II-ARTESIA O.C.D.

Titus Oil & Gas Production, LLC

Eddy County, NM (NAD83-NME)

A01 Todd DSU

Todd 2-24S-31E State 207H - Slot 207H

207H

Plan: Plan #1-Rev0

Standard Planning Report

31 May, 2019

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Todd 2-24S-31E State 207H - Slot 207H
Company:	Titus Oil & Gas Production, LLC	TVD Reference:	3508+25 @ 3533.00usft (KB=25)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	3508+25 @ 3533.00usft (KB=25)
Site:	A01 Todd DSU	North Reference:	Grid
Well:	Todd 2-24S-31E State 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan #1-Rev0		

Project	Eddy County, NM (NAD83-NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		A01 Todd DSU			
Site Position:		Northing:	451,484.10 usft	Latitude:	32.23985324
From:	Map	Easting:	722,093.00 usft	Longitude:	-103.74870598
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.31

Well	Todd 2-24S-31E State 207H - Slot 207H					
Well Position	+N/-S	-44.60 usft	Northings:	451,439.50 usft	Latitude:	32.23972973
	+E/-W	61.00 usft	Easting:	722,154.00 usft	Longitude:	-103.74850948
Position Uncertainty	0.00 usft	Wellhead Elevation:		Ground Level:	3,508.00 usft	

Wellbore	207H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/30/2019	6.83	60.02	47,727.82702165

Design	Plan #1-Rev0				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	5.60	

Plan Survey Tool Program	Date	5/31/2019			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	15,512.18 Plan #1-Rev0 (207H)	MWD		
			MWD - Standard		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,762.51	3.94	106.61	1,762.30	-2.58	8.64	1.50	1.50	0.00	106.61	
9,456.06	3.94	106.61	9,437.70	-153.64	514.91	0.00	0.00	0.00	0.00	
9,718.58	0.00	0.00	9,700.00	-156.22	523.55	1.50	-1.50	0.00	180.00	A01N03-EON (207H)
10,019.75	0.00	0.00	10,001.17	-156.22	523.55	0.00	0.00	0.00	0.00	
10,772.99	90.39	359.71	10,478.62	324.49	521.10	12.00	12.00	-0.04	359.71	
15,512.18	90.39	359.71	10,446.39	5,063.50	496.90	0.00	0.00	0.00	0.00	A01N03-PBHL (207H)

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Site:	A01 Todd DSU	North Reference:	Grid
Well:	Todd 2-24S-31E State 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan #1-Rev0		

Planned 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
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	1.50	106.61	1,599.99	-0.37	1.25	-0.25	1.50	1.50	0.00
1,700.00	3.00	106.61	1,699.91	-1.50	5.02	-1.00	1.50	1.50	0.00
1,762.51	3.94	106.61	1,762.30	-2.58	8.64	-1.72	1.50	1.50	0.00
1,800.00	3.94	106.61	1,799.70	-3.31	11.11	-2.21	0.00	0.00	0.00
1,900.00	3.94	106.61	1,899.47	-5.28	17.69	-3.53	0.00	0.00	0.00
2,000.00	3.94	106.61	1,999.23	-7.24	24.27	-4.84	0.00	0.00	0.00
2,100.00	3.94	106.61	2,099.00	-9.20	30.85	-6.15	0.00	0.00	0.00
2,200.00	3.94	106.61	2,198.76	-11.17	37.43	-7.46	0.00	0.00	0.00
2,300.00	3.94	106.61	2,298.52	-13.13	44.01	-8.77	0.00	0.00	0.00
2,400.00	3.94	106.61	2,398.29	-15.10	50.59	-10.08	0.00	0.00	0.00
2,500.00	3.94	106.61	2,498.05	-17.06	57.17	-11.39	0.00	0.00	0.00
2,600.00	3.94	106.61	2,597.82	-19.02	63.75	-12.71	0.00	0.00	0.00
2,700.00	3.94	106.61	2,697.58	-20.99	70.33	-14.02	0.00	0.00	0.00
2,800.00	3.94	106.61	2,797.34	-22.95	76.91	-15.33	0.00	0.00	0.00
2,900.00	3.94	106.61	2,897.11	-24.91	83.49	-16.64	0.00	0.00	0.00
3,000.00	3.94	106.61	2,996.87	-26.88	90.07	-17.95	0.00	0.00	0.00
3,100.00	3.94	106.61	3,096.64	-28.84	96.65	-19.26	0.00	0.00	0.00
3,200.00	3.94	106.61	3,196.40	-30.80	103.23	-20.57	0.00	0.00	0.00
3,300.00	3.94	106.61	3,296.16	-32.77	109.81	-21.89	0.00	0.00	0.00
3,400.00	3.94	106.61	3,395.93	-34.73	116.39	-23.20	0.00	0.00	0.00
3,500.00	3.94	106.61	3,495.69	-36.69	122.97	-24.51	0.00	0.00	0.00
3,600.00	3.94	106.61	3,595.46	-38.66	129.56	-25.82	0.00	0.00	0.00
3,700.00	3.94	106.61	3,695.22	-40.62	136.14	-27.13	0.00	0.00	0.00
3,800.00	3.94	106.61	3,794.98	-42.58	142.72	-28.44	0.00	0.00	0.00
3,900.00	3.94	106.61	3,894.75	-44.55	149.30	-29.75	0.00	0.00	0.00
4,000.00	3.94	106.61	3,994.51	-46.51	155.88	-31.07	0.00	0.00	0.00
4,100.00	3.94	106.61	4,094.28	-48.48	162.46	-32.38	0.00	0.00	0.00
4,200.00	3.94	106.61	4,194.04	-50.44	169.04	-33.69	0.00	0.00	0.00
4,300.00	3.94	106.61	4,293.80	-52.40	175.62	-35.00	0.00	0.00	0.00
4,400.00	3.94	106.61	4,393.57	-54.37	182.20	-36.31	0.00	0.00	0.00
4,500.00	3.94	106.61	4,493.33	-56.33	188.78	-37.62	0.00	0.00	0.00
4,600.00	3.94	106.61	4,593.10	-58.29	195.36	-38.93	0.00	0.00	0.00
4,700.00	3.94	106.61	4,692.86	-60.26	201.94	-40.25	0.00	0.00	0.00
4,800.00	3.94	106.61	4,792.62	-62.22	208.52	-41.56	0.00	0.00	0.00
4,900.00	3.94	106.61	4,892.39	-64.18	215.10	-42.87	0.00	0.00	0.00
5,000.00	3.94	106.61	4,992.15	-66.15	221.68	-44.18	0.00	0.00	0.00
5,100.00	3.94	106.61	5,091.91	-68.11	228.26	-45.49	0.00	0.00	0.00
5,200.00	3.94	106.61	5,191.68	-70.07	234.84	-46.80	0.00	0.00	0.00

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Wellbore:	207H		
Design:	Plan #1-Rev0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.00	3.94	106.61	5,291.44	-72.04	241.42	-48.11	0.00	0.00	0.00
5,400.00	3.94	106.61	5,391.21	-74.00	248.00	-49.43	0.00	0.00	0.00
5,500.00	3.94	106.61	5,490.97	-75.96	254.58	-50.74	0.00	0.00	0.00
5,600.00	3.94	106.61	5,590.73	-77.93	261.16	-52.05	0.00	0.00	0.00
5,700.00	3.94	106.61	5,690.50	-79.89	267.74	-53.36	0.00	0.00	0.00
5,800.00	3.94	106.61	5,790.26	-81.85	274.32	-54.67	0.00	0.00	0.00
5,900.00	3.94	106.61	5,890.03	-83.82	280.91	-55.98	0.00	0.00	0.00
6,000.00	3.94	106.61	5,989.79	-85.78	287.49	-57.29	0.00	0.00	0.00
6,100.00	3.94	106.61	6,089.55	-87.75	294.07	-58.61	0.00	0.00	0.00
6,200.00	3.94	106.61	6,189.32	-89.71	300.65	-59.92	0.00	0.00	0.00
6,300.00	3.94	106.61	6,289.08	-91.67	307.23	-61.23	0.00	0.00	0.00
6,400.00	3.94	106.61	6,388.85	-93.64	313.81	-62.54	0.00	0.00	0.00
6,500.00	3.94	106.61	6,488.61	-95.60	320.39	-63.85	0.00	0.00	0.00
6,600.00	3.94	106.61	6,588.37	-97.56	326.97	-65.16	0.00	0.00	0.00
6,700.00	3.94	106.61	6,688.14	-99.53	333.55	-66.47	0.00	0.00	0.00
6,800.00	3.94	106.61	6,787.90	-101.49	340.13	-67.79	0.00	0.00	0.00
6,900.00	3.94	106.61	6,887.67	-103.45	346.71	-69.10	0.00	0.00	0.00
7,000.00	3.94	106.61	6,987.43	-105.42	353.29	-70.41	0.00	0.00	0.00
7,100.00	3.94	106.61	7,087.19	-107.38	359.87	-71.72	0.00	0.00	0.00
7,200.00	3.94	106.61	7,186.96	-109.34	366.45	-73.03	0.00	0.00	0.00
7,300.00	3.94	106.61	7,286.72	-111.31	373.03	-74.34	0.00	0.00	0.00
7,400.00	3.94	106.61	7,386.49	-113.27	379.61	-75.65	0.00	0.00	0.00
7,500.00	3.94	106.61	7,486.25	-115.23	386.19	-76.97	0.00	0.00	0.00
7,600.00	3.94	106.61	7,586.01	-117.20	392.77	-78.28	0.00	0.00	0.00
7,700.00	3.94	106.61	7,685.78	-119.16	399.35	-79.59	0.00	0.00	0.00
7,800.00	3.94	106.61	7,785.54	-121.12	405.93	-80.90	0.00	0.00	0.00
7,900.00	3.94	106.61	7,885.31	-123.09	412.51	-82.21	0.00	0.00	0.00
8,000.00	3.94	106.61	7,985.07	-125.05	419.09	-83.52	0.00	0.00	0.00
8,100.00	3.94	106.61	8,084.83	-127.02	425.67	-84.83	0.00	0.00	0.00
8,200.00	3.94	106.61	8,184.60	-128.98	432.26	-86.15	0.00	0.00	0.00
8,300.00	3.94	106.61	8,284.36	-130.94	438.84	-87.46	0.00	0.00	0.00
8,400.00	3.94	106.61	8,384.12	-132.91	445.42	-88.77	0.00	0.00	0.00
8,500.00	3.94	106.61	8,483.89	-134.87	452.00	-90.08	0.00	0.00	0.00
8,600.00	3.94	106.61	8,583.65	-136.83	458.58	-91.39	0.00	0.00	0.00
8,700.00	3.94	106.61	8,683.42	-138.80	465.16	-92.70	0.00	0.00	0.00
8,800.00	3.94	106.61	8,783.18	-140.76	471.74	-94.01	0.00	0.00	0.00
8,900.00	3.94	106.61	8,882.94	-142.72	478.32	-95.33	0.00	0.00	0.00
9,000.00	3.94	106.61	8,982.71	-144.69	484.90	-96.64	0.00	0.00	0.00
9,100.00	3.94	106.61	9,082.47	-146.65	491.48	-97.95	0.00	0.00	0.00
9,200.00	3.94	106.61	9,182.24	-148.61	498.06	-99.26	0.00	0.00	0.00
9,300.00	3.94	106.61	9,282.00	-150.58	504.64	-100.57	0.00	0.00	0.00
9,400.00	3.94	106.61	9,381.76	-152.54	511.22	-101.88	0.00	0.00	0.00
9,456.06	3.94	106.61	9,437.70	-153.64	514.91	-102.62	0.00	0.00	0.00
9,500.00	3.28	106.61	9,481.54	-154.43	517.56	-103.15	1.50	-1.50	0.00
9,600.00	1.78	106.61	9,581.44	-155.69	521.79	-103.99	1.50	-1.50	0.00
9,700.00	0.28	106.61	9,681.43	-156.21	523.51	-104.33	1.50	-1.50	0.00
9,718.58	0.00	0.00	9,700.00	-156.22	523.55	-104.34	1.50	-1.50	0.00
A01N03-EON (207H)									
9,800.00	0.00	0.00	9,781.43	-156.22	523.55	-104.34	0.00	0.00	0.00
9,900.00	0.00	0.00	9,881.43	-156.22	523.55	-104.34	0.00	0.00	0.00
10,000.00	0.00	0.00	9,981.43	-156.22	523.55	-104.34	0.00	0.00	0.00
10,019.75	0.00	0.00	10,001.18	-156.22	523.55	-104.34	0.00	0.00	0.00
KOP: 10019.75' MD, 10001.17' TVD									

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Design:	Plan #1-Rev0		

Planned 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)
10,025.00	0.63	359.71	10,006.43	-156.19	523.55	-104.31	12.01	12.01	0.00
10,050.00	3.63	359.71	10,031.40	-155.26	523.55	-103.39	12.00	12.00	0.00
10,075.00	6.63	359.71	10,056.30	-153.03	523.53	-101.16	12.00	12.00	0.00
10,100.00	9.63	359.71	10,081.05	-149.49	523.52	-97.65	12.00	12.00	0.00
10,125.00	12.63	359.71	10,105.57	-144.67	523.49	-92.85	12.00	12.00	0.00
10,150.00	15.63	359.71	10,129.82	-138.56	523.46	-86.78	12.00	12.00	0.00
10,175.00	18.63	359.71	10,153.70	-131.20	523.42	-79.45	12.00	12.00	0.00
10,200.00	21.63	359.71	10,177.17	-122.60	523.38	-70.90	12.00	12.00	0.00
10,225.00	24.63	359.71	10,200.16	-112.78	523.33	-61.13	12.00	12.00	0.00
10,250.00	27.63	359.71	10,222.60	-101.77	523.27	-50.18	12.00	12.00	0.00
10,275.00	30.63	359.71	10,244.44	-89.60	523.21	-38.07	12.00	12.00	0.00
10,300.00	33.63	359.71	10,265.61	-76.31	523.14	-24.85	12.00	12.00	0.00
10,325.00	36.63	359.71	10,286.05	-61.92	523.07	-10.54	12.00	12.00	0.00
10,350.00	39.63	359.71	10,305.71	-46.49	522.99	4.81	12.00	12.00	0.00
10,375.00	42.63	359.71	10,324.54	-30.04	522.91	21.17	12.00	12.00	0.00
10,400.00	45.63	359.71	10,342.48	-12.64	522.82	38.48	12.00	12.00	0.00
10,425.00	48.63	359.71	10,359.49	5.68	522.72	56.71	12.00	12.00	0.00
A01N03-FTP (207H)									
10,450.00	51.63	359.71	10,375.51	24.87	522.63	75.79	12.00	12.00	0.00
10,475.00	54.63	359.71	10,390.51	44.86	522.52	95.68	12.00	12.00	0.00
10,500.00	57.63	359.71	10,404.44	65.62	522.42	116.33	12.00	12.00	0.00
10,525.00	60.63	359.71	10,417.27	87.07	522.31	137.67	12.00	12.00	0.00
10,550.00	63.63	359.71	10,428.95	109.17	522.20	159.65	12.00	12.00	0.00
10,575.00	66.63	359.71	10,439.47	131.85	522.08	182.21	12.00	12.00	0.00
10,600.00	69.63	359.71	10,448.78	155.05	521.96	205.28	12.00	12.00	0.00
10,625.00	72.63	359.71	10,456.86	178.70	521.84	228.81	12.00	12.00	0.00
10,650.00	75.63	359.71	10,463.70	202.75	521.72	252.73	12.00	12.00	0.00
10,675.00	78.63	359.71	10,469.27	227.12	521.59	276.97	12.00	12.00	0.00
10,700.00	81.63	359.71	10,473.55	251.74	521.47	301.47	12.00	12.00	0.00
10,725.00	84.63	359.71	10,476.54	276.56	521.34	326.15	12.00	12.00	0.00
10,750.00	87.63	359.71	10,478.23	301.50	521.21	350.96	12.00	12.00	0.00
10,772.99	90.39	359.71	10,478.62	324.48	521.10	373.82	12.00	12.00	0.00
EOC: 10772.99' MD, 10478.62' TVD									
10,800.00	90.39	359.71	10,478.44	351.49	520.96	400.69	0.00	0.00	0.00
10,900.00	90.39	359.71	10,477.76	451.49	520.45	500.16	0.00	0.00	0.00
11,000.00	90.39	359.71	10,477.08	551.49	519.94	599.63	0.00	0.00	0.00
11,100.00	90.39	359.71	10,476.40	651.48	519.43	699.10	0.00	0.00	0.00
11,200.00	90.39	359.71	10,475.72	751.48	518.92	798.57	0.00	0.00	0.00
11,300.00	90.39	359.71	10,475.04	851.47	518.41	898.03	0.00	0.00	0.00
11,400.00	90.39	359.71	10,474.36	951.47	517.89	997.50	0.00	0.00	0.00
11,500.00	90.39	359.71	10,473.68	1,051.47	517.38	1,096.97	0.00	0.00	0.00
11,600.00	90.39	359.71	10,473.00	1,151.46	516.87	1,196.44	0.00	0.00	0.00
11,700.00	90.39	359.71	10,472.32	1,251.46	516.36	1,295.91	0.00	0.00	0.00
11,800.00	90.39	359.71	10,471.64	1,351.46	515.85	1,395.38	0.00	0.00	0.00
11,900.00	90.39	359.71	10,470.96	1,451.45	515.34	1,494.84	0.00	0.00	0.00
12,000.00	90.39	359.71	10,470.28	1,551.45	514.83	1,594.31	0.00	0.00	0.00
12,100.00	90.39	359.71	10,469.60	1,651.45	514.32	1,693.78	0.00	0.00	0.00
12,200.00	90.39	359.71	10,468.92	1,751.44	513.81	1,793.25	0.00	0.00	0.00
12,300.00	90.39	359.71	10,468.24	1,851.44	513.30	1,892.72	0.00	0.00	0.00
12,400.00	90.39	359.71	10,467.56	1,951.43	512.79	1,992.19	0.00	0.00	0.00
12,500.00	90.39	359.71	10,466.88	2,051.43	512.28	2,091.66	0.00	0.00	0.00
12,600.00	90.39	359.71	10,466.20	2,151.43	511.77	2,191.12	0.00	0.00	0.00
12,700.00	90.39	359.71	10,465.52	2,251.42	511.26	2,290.59	0.00	0.00	0.00
12,800.00	90.39	359.71	10,464.84	2,351.42	510.75	2,390.06	0.00	0.00	0.00

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Todd 2-24S-31E State 207H - Slot 207H
Company:	Titus Oil & Gas Production, LLC	TVD Reference:	3508+25 @ 3533.00usft (KB=25)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	3508+25 @ 3533.00usft (KB=25)
Site:	A01 Todd DSU	North Reference:	Grid
Well:	Todd 2-24S-31E State 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan #1-Rev0		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,900.00	90.39	359.71	10,464.16	2,451.42	510.24	2,489.53	0.00	0.00	0.00
13,000.00	90.39	359.71	10,463.48	2,551.41	509.73	2,589.00	0.00	0.00	0.00
13,100.00	90.39	359.71	10,462.80	2,651.41	509.22	2,688.47	0.00	0.00	0.00
13,200.00	90.39	359.71	10,462.12	2,751.41	508.70	2,787.93	0.00	0.00	0.00
13,300.00	90.39	359.71	10,461.44	2,851.40	508.19	2,887.40	0.00	0.00	0.00
13,400.00	90.39	359.71	10,460.76	2,951.40	507.68	2,986.87	0.00	0.00	0.00
13,500.00	90.39	359.71	10,460.08	3,051.39	507.17	3,086.34	0.00	0.00	0.00
13,600.00	90.39	359.71	10,459.40	3,151.39	506.66	3,185.81	0.00	0.00	0.00
13,700.00	90.39	359.71	10,458.72	3,251.39	506.15	3,285.28	0.00	0.00	0.00
13,800.00	90.39	359.71	10,458.04	3,351.38	505.64	3,384.75	0.00	0.00	0.00
13,900.00	90.39	359.71	10,457.36	3,451.38	505.13	3,484.21	0.00	0.00	0.00
14,000.00	90.39	359.71	10,456.68	3,551.38	504.62	3,583.68	0.00	0.00	0.00
14,100.00	90.39	359.71	10,456.00	3,651.37	504.11	3,683.15	0.00	0.00	0.00
14,200.00	90.39	359.71	10,455.32	3,751.37	503.60	3,782.62	0.00	0.00	0.00
14,300.00	90.39	359.71	10,454.63	3,851.37	503.09	3,882.09	0.00	0.00	0.00
14,400.00	90.39	359.71	10,453.95	3,951.36	502.58	3,981.56	0.00	0.00	0.00
14,500.00	90.39	359.71	10,453.27	4,051.36	502.07	4,081.03	0.00	0.00	0.00
14,600.00	90.39	359.71	10,452.59	4,151.36	501.56	4,180.49	0.00	0.00	0.00
14,700.00	90.39	359.71	10,451.91	4,251.35	501.05	4,279.96	0.00	0.00	0.00
14,800.00	90.39	359.71	10,451.23	4,351.35	500.54	4,379.43	0.00	0.00	0.00
14,900.00	90.39	359.71	10,450.55	4,451.34	500.03	4,478.90	0.00	0.00	0.00
15,000.00	90.39	359.71	10,449.87	4,551.34	499.51	4,578.37	0.00	0.00	0.00
15,100.00	90.39	359.71	10,449.19	4,651.34	499.00	4,677.84	0.00	0.00	0.00
15,200.00	90.39	359.71	10,448.51	4,751.33	498.49	4,777.30	0.00	0.00	0.00
15,300.00	90.39	359.71	10,447.83	4,851.33	497.98	4,876.77	0.00	0.00	0.00
15,400.00	90.39	359.71	10,447.15	4,951.33	497.47	4,976.24	0.00	0.00	0.00
15,422.17	90.39	359.71	10,447.00	4,973.50	497.36	4,998.30	0.00	0.00	0.00
A01N03-LTP (207H)									
15,500.00	90.39	359.71	10,446.47	5,051.32	496.96	5,075.71	0.00	0.00	0.00
15,512.18	90.39	359.71	10,446.39	5,063.50	496.90	5,087.82	0.00	0.00	0.00
TD: 15512.18' MD, 10446.39' TVD - A01N03-PBHL (207H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
A01N03-EON (207H) - plan hits target center - Point	0.00	0.00	9,700.00	-156.22	523.55	451,283.28	722,677.55	32.23929247	-103.74681897
A01N03-PBHL (207H) - plan hits target center - Point	0.00	0.00	10,446.39	5,063.50	496.90	456,503.00	722,650.90	32.25364059	-103.74681295
A01N03-LTP (207H) - plan misses target center by 0.14usft at 15422.17usft MD (10447.00 TVD, 4973.50 N, 497.36 E) - Point	0.00	0.00	10,447.00	4,973.50	497.50	456,413.00	722,651.50	32.25339320	-103.74681260
A01N03-FTP (207H) - plan misses target center by 165.91usft at 10425.00usft MD (10359.49 TVD, 5.68 N, 522.72 E) - Point	0.00	0.00	10,482.00	-106.20	523.30	451,333.30	722,677.30	32.23942997	-103.74681890

Database:	EDM 5000.14 Single User Db	Local Co-ordinate Reference:	Well Todd 2-24S-31E State 207H - Slot 207H
Company:	Titus Oil & Gas Production, LLC	TVD Reference:	3508+25 @ 3533.00usft (KB=25)
Project:	Eddy County, NM (NAD83-NME)	MD Reference:	3508+25 @ 3533.00usft (KB=25)
Site:	A01 Todd DSU	North Reference:	Grid
Well:	Todd 2-24S-31E State 207H	Survey Calculation Method:	Minimum Curvature
Wellbore:	207H		
Design:	Plan #1-Rev0		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,019.75	10,001.18	-156.22	523.55	KOP: 10019.75' MD, 10001.17' TVD
10,772.99	10,478.62	324.48	521.10	EOC: 10772.99' MD, 10478.62' TVD
15,512.18	10,446.39	5,063.50	496.90	TD: 15512.18' MD, 10446.39' TVD