

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

OCD-ARTESIA
REC'D: 8/17/2020

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT
As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46628	² Pool Code 97565	³ Pool Name N. Seven Rivers; Glorieta-Yeso
⁴ Property Code 325897	⁵ Property Name SHELBY 23	⁶ Well Number 6H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC	⁹ Elevation 3415'

¹⁰ Surface Location

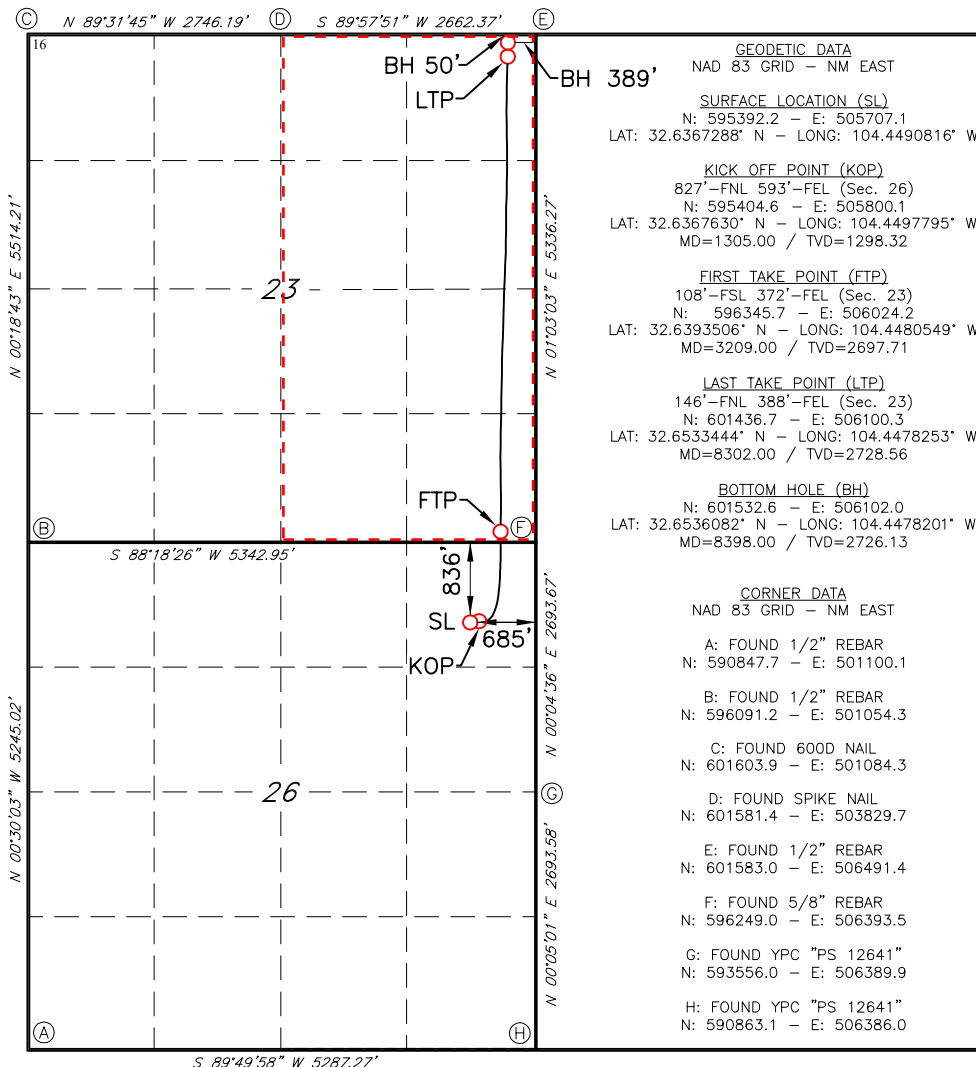
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	26	19S	25E		836	NORTH	685	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	23	19S	25E		50	NORTH	389	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest 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.

Sarah Chapman 07/23/2020
Signature Date

Sarah Chapman
Printed Name

schapman@spurepllc.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.

12-11-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

REV: 7/14/2020 AS-DRILL

LS19121148AD

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **03/12/20** thru **03/18/20** conduct or supervise the taking of a **MWD Survey** from a depth of **163'** to a depth of **8398'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Shelby 23 6H** API No. **30-015-46628** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2020.03.24
12:33:23 -05'00'



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Shelby 23

#6H

OH

Design: OH

End Of Well Report

19 March, 2020

Company: Spur Energy Partners, LLC Project: Eddy County, NM (NAD 83 - NME) Site: Shelby 23 Well: #6H Wellbore: OH Design: OH		Local Co-ordinate Reference: Well #6H RKB=20' @ 3435.00usft (Akita 57) RKB=20' @ 3435.00usft (Akita 57) Grid Minimum Curvature WBDS_SQL_2
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Project	Eddy County, NM (NAD 83 - 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	Shelby 23	
Site Position:		
From:	Map	
Position Uncertainty:	0.00 usft	
	Northing: 594,944.60 usft	Latitude: 32.635495
	Easting: 504,431.00 usft	Longitude: -104.453225
	Slot Radius: 13.200 in	Grid Convergence: -0.065 °

Well	#6H	
Well Position	+N/-S 0.00 usft	Latitude: 32.636729
	+E/-W 0.00 usft	Longitude: -104.449082
Position Uncertainty	0.00 usft	Ground Level: 3,415.00 usft

Wellbore	OH	
Magnetics	Model Name IGRF2015	Sample Date 1/15/2020
	Declination (°) 7.114	Dip Angle (°) 60.268
		Field Strength (nT) 47,822.48876984

Design	OH	
Audit Notes:		
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft) 0.00	+N/-S (usft) 0.00
		+E/-W (usft) 0.00
		Direction (°) 1.05

Survey Program	Date 3/19/2020	
From (usft) 163.00	To (usft) 8,398.00	Survey (Wellbore) Survey #1 (OH)
		Tool Name MWD+IGRF
		Description OWSG MWD + IGRF or WMM

Company: Spur Energy Partners, LLC				Local Co-ordinate Reference:							
Project: Eddy County, NM (NAD 83 - NME)				TVD Reference:							
Site: Shelby 23				MD Reference:							
Well: #6H				North Reference:							
Wellbore: OH				Survey Calculation Method:							
Design: OH				Database:							
				Well #6H							
				RKB=20' @ 3435.00usft (Akita 57)							
				RKB=20' @ 3435.00usft (Akita 57)							
				Grid							
				Minimum Curvature							
				WBDS_SQL_2							
Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163.00	0.97	163.10	162.99	-1.32	0.40	-1.31	163.00	163.10	0.60	0.60	0.60
285.00	1.10	189.64	284.97	-3.46	0.51	-3.45	122.00	177.22	0.40	0.40	0.40
406.00	1.10	187.53	405.95	-5.76	0.16	-5.76	121.00	188.59	0.03	0.03	0.03
527.00	1.19	124.25	526.93	-7.62	1.04	-7.60	121.00	154.50	0.99	0.99	0.99
649.00	3.16	82.50	648.84	-7.89	5.43	-7.79	122.00	93.58	1.97	1.97	1.97
770.00	5.93	75.21	769.45	-5.86	14.78	-5.59	121.00	77.75	2.33	2.33	2.33
891.00	8.35	74.68	889.50	-1.94	29.30	-1.41	121.00	74.90	2.00	2.00	2.00
1,013.00	9.01	76.35	1,010.11	2.65	47.12	3.51	122.00	75.55	0.58	0.58	0.58
1,136.00	9.27	77.67	1,131.54	7.04	66.16	8.25	123.00	77.02	0.27	0.27	0.27
1,186.00	9.32	78.20	1,180.89	8.73	74.06	10.08	50.00	77.94	0.20	0.20	0.20
1,305.00	9.32	79.95	1,298.32	12.38	92.98	14.08	119.00	79.08	0.24	0.24	0.24
1,431.00	11.52	88.92	1,422.24	14.40	115.61	16.51	126.00	84.90	2.16	2.16	2.16
1,557.00	11.43	91.12	1,545.72	14.39	140.67	16.97	126.00	90.02	0.35	0.35	0.35
1,683.00	12.53	77.14	1,669.00	17.19	166.49	20.24	126.00	83.81	2.46	2.46	2.46
1,746.00	12.53	69.32	1,730.51	21.12	179.54	24.41	63.00	73.23	2.69	2.69	2.69
1,808.00	13.80	56.31	1,790.89	27.60	191.99	31.12	62.00	62.51	5.19	5.19	5.19
1,871.00	16.22	47.26	1,851.74	37.75	204.71	41.49	63.00	51.43	5.34	5.34	5.34
1,935.00	18.02	41.19	1,912.91	51.26	217.79	55.25	64.00	44.07	3.96	3.96	3.96
1,997.00	20.35	33.81	1,971.47	67.44	230.11	71.65	62.00	37.28	5.42	5.42	5.42
2,060.00	22.37	27.31	2,030.15	87.20	241.71	91.62	63.00	30.41	4.94	4.94	4.94
2,123.00	25.36	22.21	2,087.76	110.35	252.31	114.96	63.00	24.61	5.76	5.76	5.76
2,186.00	28.97	17.64	2,143.81	137.39	262.04	142.17	63.00	19.78	6.61	6.61	6.61
2,249.00	32.70	14.56	2,197.90	168.42	270.95	173.35	63.00	16.02	6.43	6.43	6.43
2,313.00	36.88	11.75	2,250.45	203.97	279.21	209.05	64.00	13.08	6.99	6.99	6.99
2,376.00	40.26	9.55	2,299.70	242.57	286.44	247.77	63.00	10.61	5.79	5.79	5.79
2,439.00	43.96	7.44	2,346.43	284.34	292.65	289.65	63.00	8.46	6.29	6.29	6.29

Company: Spur Energy Partners, LLC				Local Co-ordinate Reference:					
Project: Eddy County, NM (NAD 83 - NME)				TVD Reference:					
Site: Shelby 23				MD Reference:					
Well: #6H				North Reference:					
Wellbore: OH				Survey Calculation Method:					
Design: OH				Database:					
				Well #6H					
				RKB=20' @ 3435.00usft (Akita 57)					
				RKB=20' @ 3435.00usft (Akita 57)					
				Grid					
				Minimum Curvature					
				WBDS_SQL_2					
Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
2,501.00	48.22	6.56	2,389.42	328.66	298.08	334.07	62.00	6.98	6.95
2,564.00	52.79	5.77	2,429.48	376.99	303.29	382.48	63.00	6.15	7.32
2,627.00	55.87	3.93	2,466.22	427.97	307.60	433.54	63.00	4.83	5.43
2,690.00	58.46	2.17	2,500.37	480.83	310.40	486.43	63.00	3.04	4.73
2,722.00	59.65	1.99	2,516.83	508.25	311.40	513.88	32.00	2.08	3.75
2,753.00	59.82	1.91	2,532.45	535.01	312.31	540.65	31.00	1.95	0.59
2,784.00	59.78	2.17	2,548.05	561.79	313.26	567.44	31.00	2.04	0.74
2,815.00	59.91	2.35	2,563.62	588.57	314.32	594.23	31.00	2.26	0.65
2,847.00	60.18	1.82	2,579.60	616.28	315.33	621.95	32.00	2.08	1.66
2,878.00	60.26	1.91	2,594.99	643.17	316.20	648.86	31.00	1.87	0.36
2,910.00	60.13	0.85	2,610.90	670.93	316.87	676.62	32.00	1.38	2.90
2,941.00	62.11	0.07	2,625.87	698.07	317.09	703.77	31.00	0.45	6.76
3,002.00	65.93	0.07	2,652.59	752.90	317.15	758.58	61.00	0.07	6.26
3,065.00	73.27	359.97	2,674.53	811.91	317.17	817.58	63.00	0.02	11.65
3,128.00	79.16	359.80	2,689.54	873.06	317.04	878.73	63.00	359.88	9.35
3,191.00	85.93	0.15	2,697.71	935.50	317.02	941.15	63.00	359.98	10.76
3,222.00	87.69	0.07	2,699.43	966.45	317.08	972.09	31.00	0.11	5.68
3,254.00	88.00	0.59	2,700.64	998.42	317.26	1,004.07	32.00	0.33	1.90
3,317.00	89.19	0.76	2,702.18	1,061.40	318.00	1,067.05	63.00	0.68	1.91
3,442.00	90.55	1.20	2,702.46	1,186.38	320.14	1,192.04	125.00	0.98	1.14
3,567.00	89.80	359.53	2,702.08	1,311.37	320.93	1,317.03	125.00	0.36	1.46
3,718.00	89.14	358.22	2,703.48	1,462.33	317.97	1,467.91	151.00	358.88	0.97
3,844.00	88.26	359.97	2,706.34	1,588.27	315.98	1,593.80	126.00	359.09	1.55
3,967.00	88.79	359.80	2,709.50	1,711.23	315.73	1,716.73	123.00	359.88	0.45
4,094.00	88.09	0.85	2,712.96	1,838.18	316.45	1,843.67	127.00	0.32	0.99
4,220.00	88.88	1.03	2,716.29	1,964.12	318.52	1,969.63	126.00	0.94	0.64
4,345.00	90.02	0.68	2,717.49	2,089.10	320.38	2,094.62	125.00	0.85	0.95

Company: Spur Energy Partners, LLC Project: Eddy County, NM (NAD 83 - NME) Site: Shelby 23 Well: #6H Wellbore: OH Design: OH		Local Co-ordinate Reference: Well #6H RKB=20' @ 3435.00ustf (Akita 57) RKB=20' @ 3435.00ustf (Akita 57) Grid Minimum Curvature WBDS_SQL_2									
TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:											
MD (ustf)	Inc (°)	Azi (azimuth) (°)	TVD (ustf)	N/S (ustf)	E/W (ustf)	V. Sec (ustf)	CL (ustf)	CL Azi (°)	DLeg (°/100ft)		
4,471.00	88.79	1.29	2,718.80	2,215.07	322.55	2,220.61	126.00	0.98	1.09		
4,597.00	89.76	1.03	2,720.40	2,341.03	325.10	2,346.60	126.00	1.16	0.80		
4,722.00	90.81	1.29	2,719.77	2,466.00	327.63	2,471.59	125.00	1.16	0.87		
4,847.00	89.41	0.68	2,719.53	2,590.98	329.78	2,596.59	125.00	0.98	1.22		
4,974.00	87.96	1.38	2,722.45	2,717.92	332.06	2,723.55	127.00	1.03	1.27		
5,100.00	88.88	1.64	2,725.92	2,843.83	335.38	2,849.50	126.00	1.51	0.76		
5,226.00	89.49	1.91	2,727.71	2,969.75	339.28	2,975.47	126.00	1.78	0.53		
5,352.00	87.82	1.47	2,730.67	3,095.66	343.00	3,101.43	126.00	1.69	1.37		
5,478.00	88.04	1.82	2,735.22	3,221.53	346.61	3,227.34	126.00	1.65	0.33		
5,604.00	88.66	1.99	2,738.85	3,347.40	350.80	3,353.27	126.00	1.91	0.51		
5,728.00	88.92	1.99	2,741.47	3,471.30	355.11	3,477.22	124.00	1.99	0.21		
5,854.00	89.45	2.35	2,743.26	3,597.20	359.88	3,603.19	126.00	2.17	0.51		
5,980.00	89.80	2.70	2,744.09	3,723.07	365.43	3,729.14	126.00	2.53	0.39		
6,104.00	89.85	1.03	2,744.47	3,847.00	369.46	3,853.13	124.00	1.86	1.35		
6,224.00	90.46	0.68	2,744.14	3,966.99	371.25	3,973.12	120.00	0.86	0.59		
6,346.00	90.86	0.59	2,742.74	4,088.97	372.60	4,095.11	122.00	0.64	0.34		
6,467.00	91.03	0.32	2,740.74	4,209.95	373.57	4,216.09	121.00	0.46	0.26		
6,588.00	91.30	1.47	2,738.28	4,330.91	375.45	4,337.06	121.00	0.89	0.98		
6,710.00	91.60	2.08	2,735.19	4,452.81	379.23	4,459.01	122.00	1.77	0.56		
6,831.00	90.24	0.50	2,733.25	4,573.76	381.96	4,579.99	121.00	1.29	1.72		
6,953.00	90.20	0.59	2,732.78	4,695.75	383.12	4,701.98	122.00	0.55	0.08		
7,074.00	90.33	0.15	2,732.22	4,816.75	383.90	4,822.97	121.00	0.37	0.38		
7,199.00	90.95	359.36	2,730.83	4,941.74	383.36	4,947.93	125.00	359.76	0.80		
7,325.00	89.76	359.36	2,730.04	5,067.72	381.96	5,073.87	126.00	359.36	0.94		
7,451.00	91.12	358.92	2,729.08	5,193.70	380.06	5,199.79	126.00	359.14	1.13		
7,577.00	89.54	359.45	2,728.35	5,319.68	378.27	5,325.72	126.00	359.19	1.32		
7,703.00	88.79	1.47	2,730.19	5,445.66	379.28	5,451.69	126.00	0.46	1.71		



Wellbenders

End Of Well Report

Company:

Project:

Site:

Well:

Wellbore:

Design:

Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Shelby 23

#6H

OH

OH

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well #6H

RKB=20' @ 3435.00usft (Akita 57)

RKB=20' @ 3435.00usft (Akita 57)

Grid

Minimum Curvature

WBDS_SQL_2

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
7,828.00	89.98	1.38	2,731.53	5,570.61	382.39	5,576.68	125.00	1.42	0.95
7,954.00	90.86	1.38	2,730.61	5,696.57	385.43	5,702.67	126.00	1.38	0.70
8,080.00	89.41	1.47	2,730.31	5,822.53	388.56	5,828.67	126.00	1.43	1.15
8,206.00	90.51	1.20	2,730.40	5,948.49	391.50	5,954.66	126.00	1.33	0.90
8,342.00	91.69	0.85	2,727.79	6,084.44	393.93	6,090.64	136.00	1.03	0.90
8,398.00	91.69	0.85	2,726.13	6,140.41	394.76	6,146.61	56.00	0.85	0.00

Final Station Closure Distance= 6153.09 /Direction= 3.68 - Projection to Bit: 8398.00' MD/ 2726.13' TVD - TD: Latitude = 32.653608 / Longitude = -104.447821 - TD: Y= 601532.61 / X= 506101.86

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,398.00	2,726.13	6,140.41	394.76	Final Station Closure Distance= 6153.09 /Direction= 3.68
8,398.00	2,726.13	6,140.41	394.76	Projection to Bit: 8398.00' MD/ 2726.13' TVD
8,398.00	2,726.13	6,140.41	394.76	TD: Latitude = 32.653608 / Longitude = -104.447821
8,398.00	2,726.13	6,140.41	394.76	TD: Y= 601532.61 / X= 506101.86

Checked By: _____

Approved By: _____

Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Shelby 23
Well: #6H
Wellbore: OH
Rig: Akita 57
Design: OH / 14:01, March 19 2020

WELL DETAILS: #6H

RKB=20' @ 3435.00usft (Akita 57)

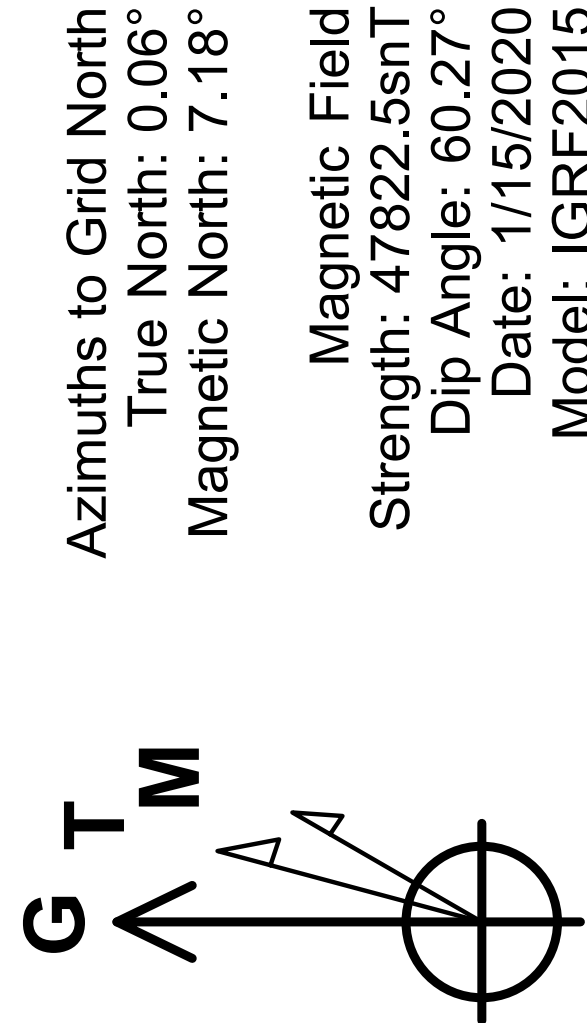
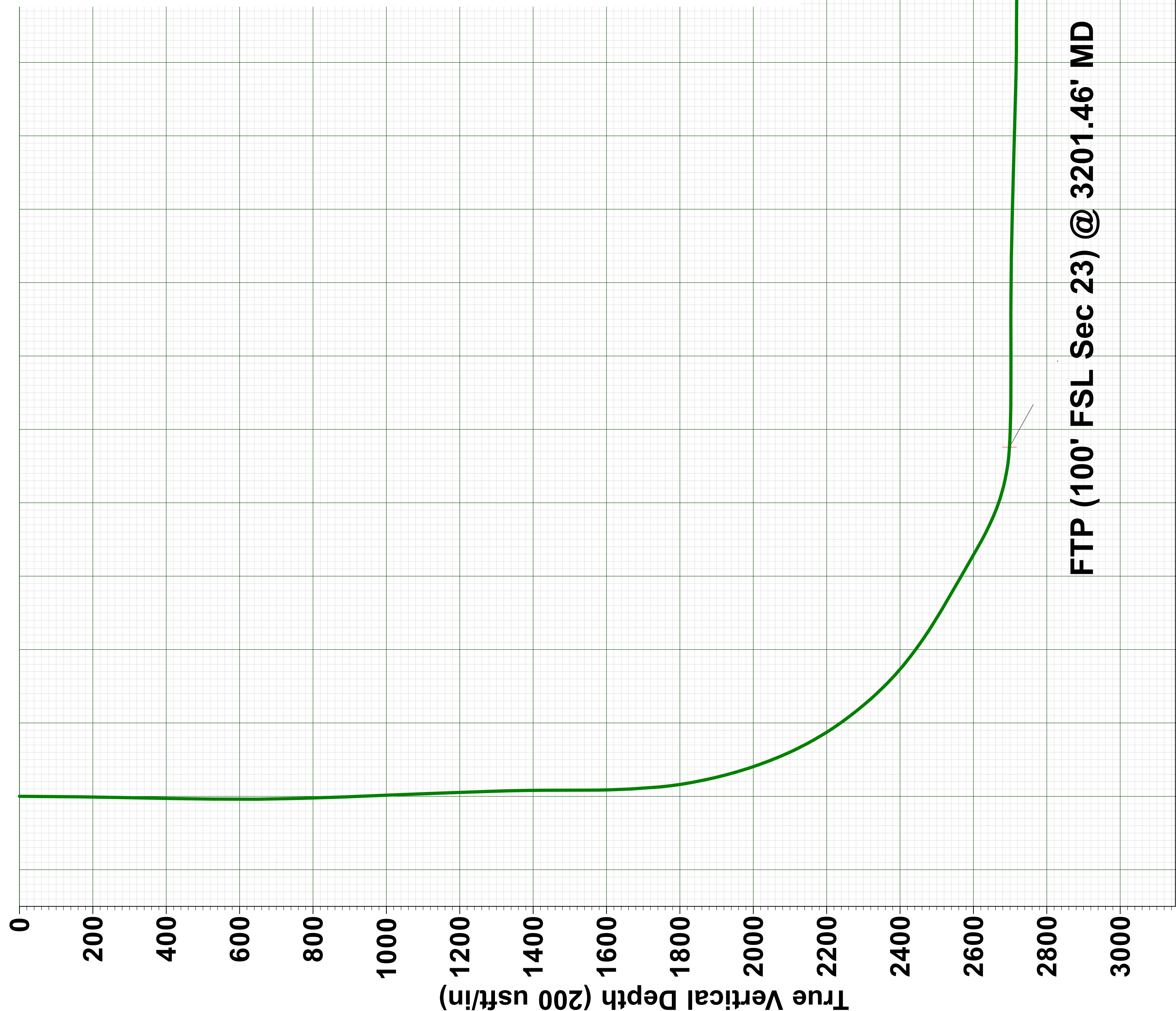
	+N/-S	+E/-W	Northing	Eastng	Latitude	Longitude
	0.00	0.00	595392.20	505707.10	32.636729	-104.449082

ANNOTATION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect Departure Annotation
8398.00	91.69	0.85	2726.13	6140.41	394.76	6146.61 6345.99 Final Station Closure Distance= 6153.09 /Direction= 3.68
8398.00	91.69	0.85	2726.13	6140.41	394.76	6146.61 6345.99 Projection to Bit: 8398.00' MD/ 2726.13' TVD
8398.00	91.69	0.85	2726.13	6140.41	394.76	6146.61 6345.99 TD: Latitude = 32.653608 / Longitude = -104.447821
8398.00	91.69	0.85	2726.13	6140.41	394.76	6146.61 6345.99 TD: Y= 601532.61 / X= 506101.86

DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Eastng	Latitude	Longitude
FTP (100' FSL Sec 23) @ 3201.46' MD	2698.40	945.93	317.04	596338.13	506024.14	32.639330
Final Bit Proj. @ 8398' MD	2726.13	6140.41	394.76	601532.61	506101.86	32.653608
LTP (100' FNL Sec 23) @ 8348.13' MD	2727.61	6090.57	394.02	601482.77	506101.12	32.653471



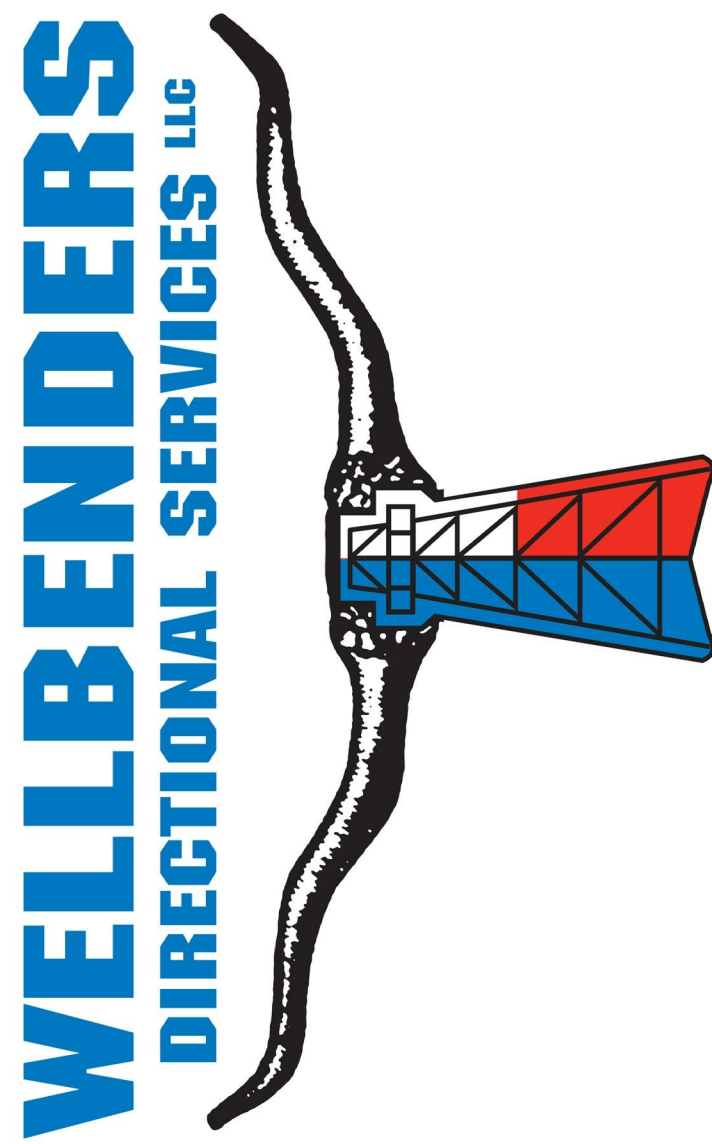
PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

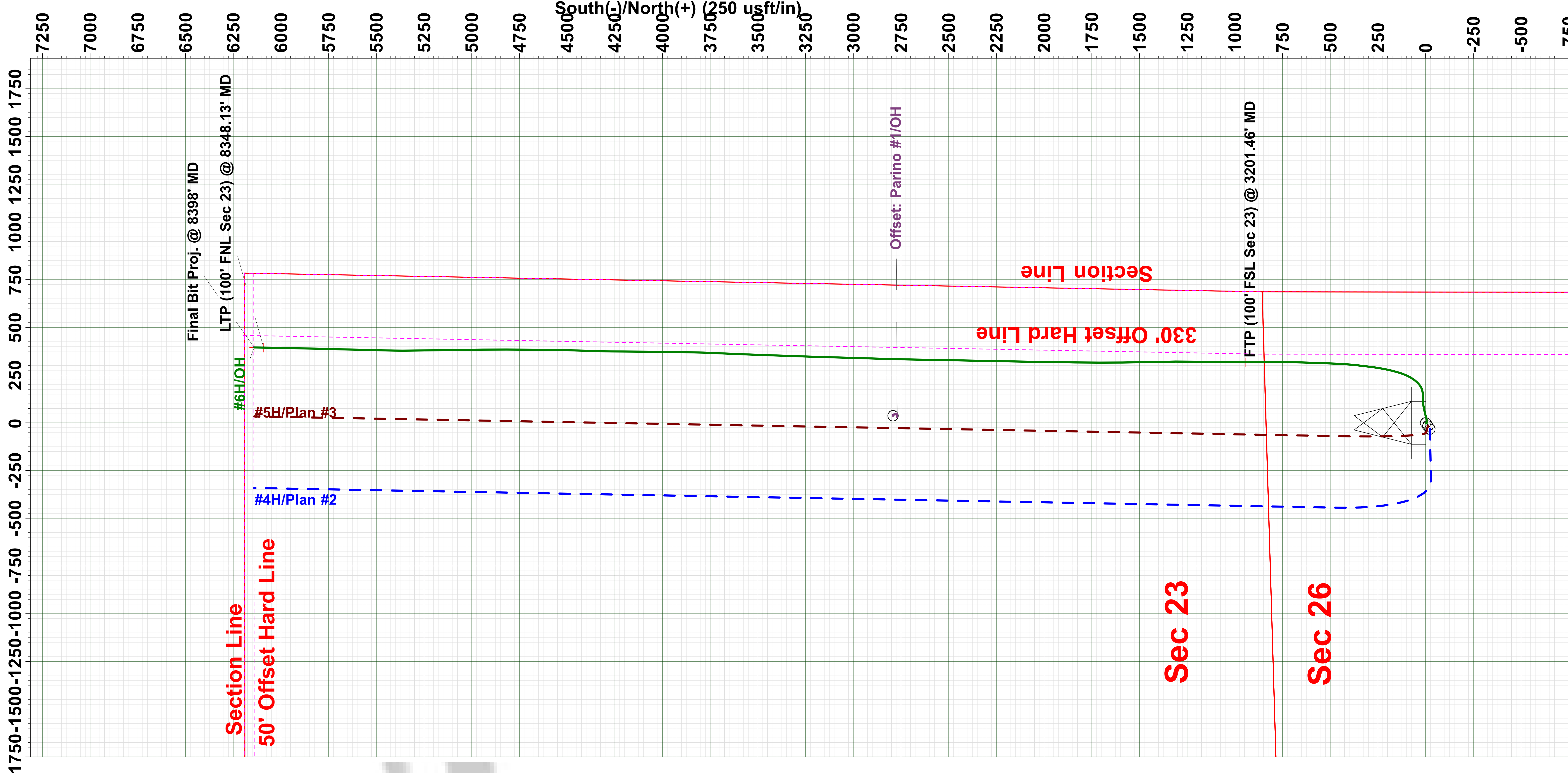
Disclaimer:
All Plan Details, boundary lines and offset well location/ survey data is provided by customer and subject to customer approval.

Final Station Closure Distance= 6153.09 /Direction= 3.68
Projection to Bit: 8398.00' MD/ 2726.13' TVD
TD: Latitude = 32.653608 / Longitude = -104.447821
TD: Y= 601532.61 / X= 506101.86

LTP (100' FNL Sec 23) @ 8348.13' MD



West(-)/East(+) (250 usft/in)



Design: OH (#6H/OH) Akita 57

Created By: Derek Stephens Date: 14:01, March 19 2020