

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address SPUR ENERGY PARTNERS LLC 9655 KATY FREEWAY, SUITE 500 HOUSTON, TX 77024		² OGRID Number 328947
		³ Reason for Filing Code/ Effective Date RT 08/11/2021
⁴ API Number 30 - 0 15-48107	⁵ Pool Name LOCO HILLS; GLORIETA-YESO	⁶ Pool Code 325889
⁷ Property Code 325889	⁸ Property Name POSEIDON 3 FEDERAL	⁹ Well Number 27H

II. ¹⁰ Surface Location

UL or lot no. I	Section 4	Township 17S	Range 30E	Lot Idn	Feet from the 1560	North/South Line SOUTH	Feet from the 775	East/West line EAST	County EDDY
¹¹ Bottom Hole Location FTP: 793' FSL 108' FWL LTP: 783' FSL 156' FEL									
UL or lot no. P	Section 3	Township 17S	Range 30E	Lot Idn	Feet from the 785	North/South line SOUTH	Feet from the 51	East/West line EAST	County EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date TBD	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
221115	FRONTIER FIELD SERVICES, LLC 4200 EAST SKELLY DRIVE, SUITE 700, TULSA, OK 74135	G
33479	HOLLYFRONTIER REFINING & MARKETING 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201	O

IV. Well Completion Data

²¹ Spud Date 04/03/2021	²² Ready Date 08/11/2021	²³ TD 4805'V/10453'M	²⁴ PBDT 4805'V/10453'M	²⁵ Perforations 5332'-10348'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17-1/2"		13-3/8" 54.5 J-55 BTC		418'	
12-1/4"		9-5/8" 36# J-55 BTC		1720'	
8-3/4"		7" 32# L-80 BK-HT 5-1/2" 20# L-80 BK-HT		5126' 10450'	

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: <i>Sarah Chapman</i>			OIL CONSERVATION DIVISION		
Printed name: SARAH CHAPMAN			Approved by: KURT SIMMONS		
Title: REGULATORY DIRECTOR			Title: NMOCD, SANTA FE		
E-mail Address: SCHAPMAN@SPUREPLLC.COM			Approval Date: 09/22/021		
Date: 08/11/2021		Phone: 832-930-8613		RT C-104 EXPIRES 11/11/2021	

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
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-48107	² Pool Code 96718	³ Pool Name LOCO HILLS; GLORIETA-YESO
⁴ Property Code 325889	⁵ Property Name POSEIDON 3 FED	⁶ Well Number 27H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC.	⁹ Elevation 3713'

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
I	4	17S	30E		1560	SOUTH	775	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
P	3	17S	30E		785	SOUTH	51	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.

¹⁶ <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 677001.8 - E: 652631.2 LAT: 32.8605755° N LONG: 103.9708825° W <u>FIRST TAKE POINT (FTP)</u> 793' FSL & 108' FWL - SEC 3 N: 676236.5 - E: 653516.4 LAT: 32.8584637° N LONG: 103.9680082° W MD: 5332 - TVD: 4764.1 <u>LAST TAKE POINT (LTP)</u> 783' FSL & 156' FEL - SEC 3 N: 676236.9 - E: 658531.3 LAT: 32.8584160° N LONG: 103.9516770° W MD: 10348 - TVD: 4801.8 <u>BOTTOM HOLE (BH)</u> N: 676239.1 - E: 658636.2 LAT: 32.8584211° N LONG: 103.9513352° W MD: 10453.0 - TVD: 4805.5 <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1916" N: 675436.4 - E: 648128.9 B: FOUND BRASS CAP "1916" N: 678076.6 - E: 648121.2 C: FOUND BRASS CAP "1916" N: 680696.5 - E: 648110.9 D: FOUND BRASS CAP "1916" N: 680704.7 - E: 650751.6 E: FOUND BRASS CAP "1916" N: 680713.3 - E: 653392.4 F: FOUND BRASS CAP "1916" N: 680722.0 - E: 656032.0 G: FOUND BRASS CAP "1916" N: 680729.8 - E: 658673.7 H: FOUND BRASS CAP "1916" N: 678091.2 - E: 658681.2 I: FOUND BRASS CAP "1916" N: 675454.6 - E: 658689.2 J: FOUND BRASS CAP "1916" N: 675443.0 - E: 653411.2 K: FOUND BRASS CAP "1916" N: 675440.1 - E: 650770.1 L: FOUND BRASS CAP "1916" N: 678082.1 - E: 653402.4	¹⁷ OPERATOR CERTIFICATION <i>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.</i> <i>Sarah Chapman</i> 08/10/2021 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPUREPLLC.COM E-mail Address
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> 05-13-2021 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number LS20090412AD



I **Larry Wright** certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **05/05/21** thru **05/13/21** conduct or supervise the taking of a **MWD Survey** from a depth of **418'** to a depth of **10453'**; 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 **Poseidon 3 Fed 27H API No. 30-015-48107** 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

1125 Beach Airport Rd, Conroe, Texas
77301



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Poseidon 3 Fed

#27H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

13 May, 2021





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #27H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Site:	Poseidon 3 Fed	MD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Well:	#27H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

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		Poseidon 3 Fed			
Site Position:		Northing:	677,001.80 usft	Latitude:	32.8605754
From:	Map	Easting:	652,651.20 usft	Longitude:	-103.9708173
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.197 °

Well	#27H					
Well Position	+N/-S	0.00 usft	Northing:	677,001.80 usft	Latitude:	32.8605756
	+E/-W	0.00 usft	Easting:	652,631.20 usft	Longitude:	-103.9708824
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,713.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/17/2021	6.791	60.421	47,834.66867480

Design	Wellbore #1				
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	89.87	

Survey Program	Date	5/13/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
20.00	418.00	INVICTUS TOOLS (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM	
528.00	10,453.00	Survey #2 (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OFFSET: LEONARD-FEDER E 14/ TD: 3121' MD - OFFSET: LEONARD-FEDER E 16/ TD: 3125' MD - PLAT Poseidon#27H:									
20.00	0.00	359.80	20.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	0.90	11.62	133.00	0.87	0.18	0.18	0.80	0.80	0.00
161.00	0.70	57.62	160.99	1.18	0.37	0.37	2.33	-0.71	164.29
188.00	0.60	33.62	187.99	1.38	0.59	0.59	1.06	-0.37	-88.89
216.00	0.70	19.62	215.99	1.67	0.72	0.73	0.67	0.36	-50.00
308.00	0.80	2.62	307.98	2.84	0.94	0.95	0.26	0.11	-18.48
371.00	1.60	321.62	370.97	3.97	0.42	0.42	1.79	1.27	-65.08
403.00	1.70	312.62	402.96	4.64	-0.21	-0.20	0.87	0.31	-28.12



Survey Report



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Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Site:	Poseidon 3 Fed	MD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Well:	#27H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
418.00	2.20	322.62	417.95	5.02	-0.55	-0.54	4.02	3.33	66.67
528.00	1.71	272.38	527.89	6.76	-3.47	-3.46	1.56	-0.45	-45.67
1st WBDS MWD: 528.00' MD/ 527.89' TVD									
649.00	3.96	224.30	648.75	3.85	-8.19	-8.19	2.55	1.86	-39.74
768.00	7.34	214.81	767.15	-5.34	-15.41	-15.42	2.94	2.84	-7.97
889.00	9.80	201.89	886.81	-21.24	-23.66	-23.71	2.57	2.03	-10.68
1,011.00	11.47	183.78	1,006.74	-42.99	-28.33	-28.43	3.05	1.37	-14.84
1,131.00	12.26	179.83	1,124.18	-67.64	-29.08	-29.23	0.94	0.66	-3.29
1,251.00	12.04	177.45	1,241.49	-92.88	-28.49	-28.70	0.46	-0.18	-1.98
1,377.00	11.69	177.10	1,364.80	-118.76	-27.26	-27.52	0.28	-0.28	-0.28
1,503.00	10.81	176.14	1,488.37	-143.30	-25.81	-26.14	0.71	-0.70	-0.76
1,629.00	12.35	186.59	1,611.82	-168.47	-26.57	-26.95	2.06	1.22	8.29
1,663.00	12.35	187.74	1,645.03	-175.69	-27.47	-27.87	0.72	0.00	3.38
1,771.00	12.13	187.56	1,750.58	-198.38	-30.52	-30.97	0.21	-0.20	-0.17
1,897.00	11.87	186.42	1,873.82	-224.38	-33.71	-34.22	0.28	-0.21	-0.90
2,023.00	11.96	186.24	1,997.11	-250.24	-36.58	-37.15	0.08	0.07	-0.14
2,149.00	12.09	186.07	2,120.35	-276.34	-39.39	-40.02	0.11	0.10	-0.13
2,304.00	12.79	191.87	2,271.71	-309.27	-44.64	-45.34	0.92	0.45	3.74
2,430.00	13.36	182.55	2,394.46	-337.47	-48.16	-48.92	1.73	0.45	-7.40
2,556.00	13.27	181.94	2,517.07	-366.46	-49.29	-50.12	0.13	-0.07	-0.48
2,682.00	13.27	181.94	2,639.71	-395.37	-50.27	-51.17	0.00	0.00	0.00
2,808.00	13.54	182.38	2,762.27	-424.56	-51.37	-52.34	0.23	0.21	0.35
2,934.00	13.85	181.85	2,884.69	-454.37	-52.47	-53.50	0.27	0.25	-0.42
3,060.00	14.37	182.20	3,006.89	-485.06	-53.56	-54.66	0.42	0.41	0.28
3,186.00	12.92	182.38	3,129.33	-514.76	-54.75	-55.91	1.15	-1.15	0.14
3,312.00	12.79	181.67	3,252.17	-542.78	-55.74	-56.97	0.16	-0.10	-0.56
3,438.00	12.84	181.76	3,375.03	-570.71	-56.57	-57.87	0.04	0.04	0.07
3,564.00	12.92	182.55	3,497.86	-598.78	-57.63	-58.99	0.15	0.06	0.63
3,690.00	13.05	182.81	3,620.64	-627.06	-58.95	-60.38	0.11	0.10	0.21
3,752.00	13.10	182.55	3,681.03	-641.07	-59.61	-61.06	0.12	0.08	-0.42
3,809.11	13.22	169.93	3,736.66	-653.97	-58.76	-60.24	5.02	0.21	-22.09
PLAN Poseidon#27H: KOP @ 3808.64' MD									
3,815.00	13.27	168.66	3,742.39	-655.30	-58.51	-59.99	5.02	0.80	-21.65
3,878.00	14.11	156.71	3,803.61	-669.44	-54.05	-55.57	4.67	1.33	-18.97
3,940.00	15.65	145.20	3,863.54	-683.25	-46.28	-47.83	5.36	2.48	-18.56
4,003.00	18.24	135.79	3,923.81	-697.30	-34.56	-36.14	5.98	4.11	-14.94
4,066.00	20.35	125.25	3,983.29	-710.70	-18.73	-20.34	6.45	3.35	-16.73
4,130.00	22.68	117.86	4,042.84	-722.89	1.27	-0.37	5.58	3.64	-11.55
4,193.00	24.92	112.94	4,100.48	-733.74	24.24	22.58	4.75	3.56	-7.81
4,256.00	27.56	106.53	4,157.00	-743.07	50.45	48.76	6.14	4.19	-10.17
4,318.00	29.85	101.43	4,211.38	-750.21	79.33	77.63	5.41	3.69	-8.23
4,381.00	32.31	96.15	4,265.34	-755.12	111.45	109.73	5.82	3.90	-8.38
4,444.00	34.29	91.23	4,318.01	-757.31	145.94	144.22	5.31	3.14	-7.81



Survey Report



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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,507.00	37.85	88.33	4,368.93	-757.12	183.02	181.30	6.27	5.65	-4.60
4,570.00	42.24	88.33	4,417.14	-755.94	223.52	221.81	6.97	6.97	0.00
4,633.00	46.42	90.88	4,462.20	-755.68	267.53	265.81	7.21	6.63	4.05
4,697.00	50.37	91.85	4,504.69	-756.83	315.36	313.64	6.27	6.17	1.52
4,760.00	54.95	91.85	4,542.89	-758.44	365.41	363.69	7.27	7.27	0.00
4,821.00	59.34	91.58	4,575.98	-759.97	416.61	414.89	7.21	7.20	-0.44
4,852.00	60.22	91.41	4,591.58	-760.67	443.39	441.67	2.88	2.84	-0.55
Start Tangent: 4852.00' MD/ 4591.58' TVD									
4,884.00	60.35	91.23	4,607.44	-761.31	471.18	469.45	0.64	0.41	-0.56
4,915.00	60.53	91.06	4,622.74	-761.85	498.14	496.41	0.75	0.58	-0.55
4,947.00	60.66	90.79	4,638.45	-762.30	526.01	524.28	0.84	0.41	-0.84
4,978.00	60.84	90.62	4,653.59	-762.63	553.06	551.32	0.75	0.58	-0.55
5,010.00	60.92	90.62	4,669.17	-762.94	581.01	579.28	0.25	0.25	0.00
5,041.00	61.19	90.44	4,684.17	-763.19	608.14	606.40	1.01	0.87	-0.58
End Tangent: 5041.00' MD/ 4684.17' TVD									
5,073.00	63.74	90.53	4,698.96	-763.43	636.51	634.77	7.97	7.97	0.28
5,135.00	68.92	90.88	4,723.84	-764.13	693.27	691.53	8.37	8.35	0.56
5,198.00	74.73	90.97	4,743.49	-765.10	753.09	751.35	9.22	9.22	0.14
5,260.00	80.70	90.18	4,756.67	-765.70	813.64	811.90	9.71	9.63	-1.27
5,323.00	86.55	89.12	4,763.67	-765.31	876.22	874.48	9.43	9.29	-1.68
5,323.57	86.56	89.13	4,763.70	-765.31	876.79	875.05	1.73	1.18	1.26
PLAT Poseidon#27H: FTP/ LP (100' FWL)									
5,324.11	86.56	89.13	4,763.73	-765.30	877.33	875.59	1.73	1.18	1.26
FINAL #27H FTP/ 100' FEL @ 5324.11' MD									
5,449.00	88.04	90.71	4,769.61	-765.13	1,002.07	1,000.33	1.73	1.18	1.26
5,575.00	88.75	90.35	4,773.14	-766.29	1,128.02	1,126.28	0.63	0.56	-0.29
5,701.00	88.79	89.74	4,775.85	-766.39	1,253.99	1,252.25	0.49	0.03	-0.48
5,826.00	89.71	89.39	4,777.48	-765.44	1,378.97	1,377.23	0.79	0.74	-0.28
5,946.00	89.85	89.04	4,777.94	-763.80	1,498.96	1,497.22	0.31	0.12	-0.29
6,067.00	90.20	89.21	4,777.89	-761.95	1,619.95	1,618.21	0.32	0.29	0.14
6,189.00	90.42	90.09	4,777.23	-761.21	1,741.94	1,740.21	0.74	0.18	0.72
6,308.00	90.29	89.30	4,776.49	-760.57	1,860.94	1,859.20	0.67	-0.11	-0.66
6,429.00	90.07	91.06	4,776.11	-760.95	1,981.93	1,980.20	1.47	-0.18	1.45
6,549.00	90.11	90.79	4,775.92	-762.89	2,101.91	2,100.18	0.23	0.03	-0.22
6,670.00	89.80	90.53	4,776.02	-764.28	2,222.91	2,221.17	0.33	-0.26	-0.21
6,791.00	91.52	90.35	4,774.63	-765.21	2,343.89	2,342.15	1.43	1.42	-0.15
6,912.00	91.87	89.74	4,771.05	-765.31	2,464.84	2,463.09	0.58	0.29	-0.50
7,032.00	91.08	91.14	4,767.96	-766.23	2,584.79	2,583.04	1.34	-0.66	1.17
7,158.00	89.05	90.97	4,767.81	-768.55	2,710.76	2,709.01	1.62	-1.61	-0.13
7,284.00	89.10	90.88	4,769.85	-770.58	2,836.73	2,834.97	0.08	0.04	-0.07
7,410.00	89.36	90.53	4,771.54	-772.13	2,962.71	2,960.95	0.35	0.21	-0.28
7,538.00	89.45	90.00	4,772.87	-772.73	3,090.70	3,088.94	0.42	0.07	-0.41
7,663.00	89.58	89.74	4,773.93	-772.44	3,215.69	3,213.93	0.23	0.10	-0.21
7,789.00	89.58	89.30	4,774.85	-771.39	3,341.68	3,339.93	0.35	0.00	-0.35



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #27H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Site:	Poseidon 3 Fed	MD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Well:	#27H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,915.00	89.80	88.95	4,775.53	-769.46	3,467.67	3,465.91	0.33	0.17	-0.28
8,041.00	89.14	90.35	4,776.70	-768.69	3,593.66	3,591.90	1.23	-0.52	1.11
8,167.00	88.88	90.27	4,778.88	-769.37	3,719.63	3,717.88	0.22	-0.21	-0.06
8,293.00	88.84	90.09	4,781.38	-769.77	3,845.61	3,843.85	0.15	-0.03	-0.14
8,420.00	89.49	90.35	4,783.23	-770.26	3,972.59	3,970.84	0.55	0.51	0.20
8,546.00	89.41	90.27	4,784.44	-770.94	4,098.59	4,096.83	0.09	-0.06	-0.06
8,672.00	89.27	90.09	4,785.90	-771.34	4,224.58	4,222.82	0.18	-0.11	-0.14
8,797.00	89.05	89.74	4,787.73	-771.15	4,349.56	4,347.80	0.33	-0.18	-0.28
8,923.00	88.75	88.95	4,790.15	-769.71	4,475.53	4,473.77	0.67	-0.24	-0.63
9,049.00	88.66	88.42	4,792.99	-766.82	4,601.46	4,599.71	0.43	-0.07	-0.42
9,175.00	89.23	89.39	4,795.31	-764.41	4,727.42	4,725.67	0.89	0.45	0.77
9,302.00	88.97	88.86	4,797.31	-762.47	4,854.39	4,852.65	0.46	-0.20	-0.42
9,427.00	90.42	90.00	4,797.97	-761.23	4,979.37	4,977.63	1.48	1.16	0.91
9,554.00	90.77	89.83	4,796.66	-761.04	5,106.37	5,104.63	0.31	0.28	-0.13
9,679.00	90.81	91.41	4,794.93	-762.39	5,231.34	5,229.60	1.26	0.03	1.26
9,805.00	91.08	90.88	4,792.85	-764.91	5,357.30	5,355.55	0.47	0.21	-0.42
9,932.00	89.32	90.88	4,792.41	-766.86	5,484.28	5,482.53	1.39	-1.39	0.00
10,059.00	89.45	90.62	4,793.77	-768.52	5,611.26	5,609.50	0.23	0.10	-0.20
10,183.00	88.26	89.04	4,796.25	-768.16	5,735.23	5,733.47	1.59	-0.96	-1.27
10,307.00	87.91	88.77	4,800.40	-765.79	5,859.14	5,857.39	0.36	-0.28	-0.22
10,381.00	88.04	88.77	4,803.01	-764.20	5,933.07	5,931.33	0.18	0.18	0.00
PLAT Poseidon#27H: LTP (100' FEL) - FINAL #27H LTP/ 100' FWL @ 10403.56' MD									
10,453.00	88.04	88.77	4,805.47	-762.66	6,005.02	6,003.27	0.00	0.00	0.00
TD: Y= 676239.14 / X= 658636.22 - Projection to Bit: 10453.00' MD/ 4805.47' TVD - Final Station Closure Distance= 6053.0									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL #27H FTP/ 100	0.00	0.00	4,763.73	-765.30	877.33	676,236.50	653,508.53	32.8584638	-103.9680339
- hit/miss target									
- Shape									
- actual wellpath hits target center									
- Point									
FINAL #27H LTP/ 100	0.00	0.00	4,803.78	-763.72	5,955.62	676,238.08	658,586.82	32.8584187	-103.9514961
- actual wellpath misses target center by 22.56usft at 10381.00usft MD (4803.01 TVD, -764.20 N, 5933.07 E)									
- Point									
FINAL #27H Bit Prj @	0.00	0.00	4,805.47	-762.66	6,005.02	676,239.14	658,636.22	32.8584212	-103.9513352
- actual wellpath hits target center									
- Point									



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #27H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Site:	Poseidon 3 Fed	MD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Well:	#27H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
528.00	527.89	6.76	-3.47	1st WBDS MWD: 528.00' MD/ 527.89' TVD
4,852.00	4,591.58	-760.67	443.39	Start Tangent: 4852.00' MD/ 4591.58' TVD
5,041.00	4,684.17	-763.19	608.14	End Tangent: 5041.00' MD/ 4684.17' TVD
10,453.00	4,805.47	-762.66	6,005.02	TD: Y= 676239.14 / X= 658636.22
10,453.00	4,805.47	-762.66	6,005.02	Projection to Bit: 10453.00' MD/ 4805.47' TVD
10,453.00	4,805.47	-762.66	6,005.02	Final Station Closure Distance= 6053.25 /Direction= 97.24
10,453.00	4,805.47	-762.66	6,005.02	TD: Latitude= 32.8584211 / Longitude= -103.9513352

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Poseidon 3 Fed
Well: #27H
Wellbore: Wellbore #1
Rig: Akita 57
Design: Plan #3 / 6:50, May 13 2021



WELL DETAILS: #27H

RKB = 20' @ 3733.00usft (Akita 57)
3713.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	677001.80	652631.20	32.8605755	-103.9708824

1st WBDS MWD: 528.00' MD/ 527.89' TVD

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSec
1	418.00	2.20	322.62	417.95	5.02	-0.55	0.00	-0.54
2	1144.84	12.83	184.51	1139.33	-64.70	-15.44	2.00	-15.58
3	3808.64	12.83	184.51	3736.66	-654.21	-61.90	0.00	-63.39
4	4839.23	60.00	89.87	4580.27	-779.69	423.42	6.00	421.65
5	5039.23	60.00	89.87	4680.27	-779.31	596.62	0.00	594.85
6	5333.54	89.43	89.87	4757.00	-778.70	877.40	10.00	875.63
7	10412.10	89.43	89.87	4807.50	-767.61	5955.70	0.00	5953.94
8	10462.10	89.43	89.87	4808.00	-767.50	6005.70	0.00	6003.94

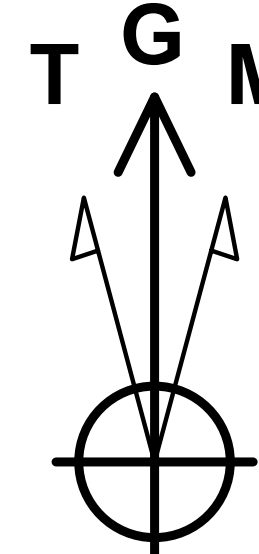
PLAT Poseidon#27H: FTP/ LP (100' FWL)
PLAT Poseidon#27H: LTP (100' FEL)
PLAT Poseidon#27H: PBHL (780' FSL & 50' FEL)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT Poseidon#27H: SHL (1560' FSL & 775' FEL)	0.00	0.00	0.00	677001.80	652631.20	32.8605755	-103.9708824
PLAT Poseidon#27H: FTP/ LP (100' FWL)	4757.00	-778.70	877.40	676223.10	653508.60	32.8584269	-103.9680338
FINAL #27H FTP/ 100' FEL @ 5324.11' MD	4763.73	-765.30	877.33	676236.50	653508.53	32.8584638	-103.9680339
FINAL #27H LTP/ 100' FWL @ 10403.56' MD	4803.78	-763.72	5955.62	676238.08	658586.82	32.8584187	-103.9514961
FINAL #27H Bit Prj @ 10453' MD, 51' FWL	4805.47	-762.66	6005.02	676239.14	658636.22	32.8584211	-103.9513352
PLAT Poseidon#27H: LTP (100' FEL)	4807.50	-767.60	5955.70	676234.20	658586.90	32.8584080	-103.9514959
PLAT Poseidon#27H: PBHL (780' FSL & 50' FEL)	4808.00	-767.50	6005.70	676234.30	658636.90	32.8584078	-103.9513330

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



Azimuths to Grid North
True North: -0.20°
Magnetic North: 6.59°

Magnetic Field
Strength: 47834.7snT
Dip Angle: 60.42°
Date: 5/17/2021
Model: IGRF2020

Disclaimer:

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

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.594°
To convert a True Direction to a Grid Direction, Subtract 0.197°
To convert a Magnetic Direction to a True Direction, Add 6.791° East
Magnetic Declination: 6.791°
Grid Convergence: 0.197° West
Magnetic Dip Angle: 60.421°
Magnetic Field Strength: 47834.66867480nT

Start Tangent: 4852.00' MD/ 4591.58' TVD

End Tangent: 5041.00' MD/ 4684.17' TVD

FINAL #27H FTP/ 100' FEL @ 5324.11' MD

FINAL #27H LTP/ 100' FWL @ 10403.56' MD

FINAL #27H Bit Prj @ 10453' MD, 51' FWL

27-PVA SURVEY

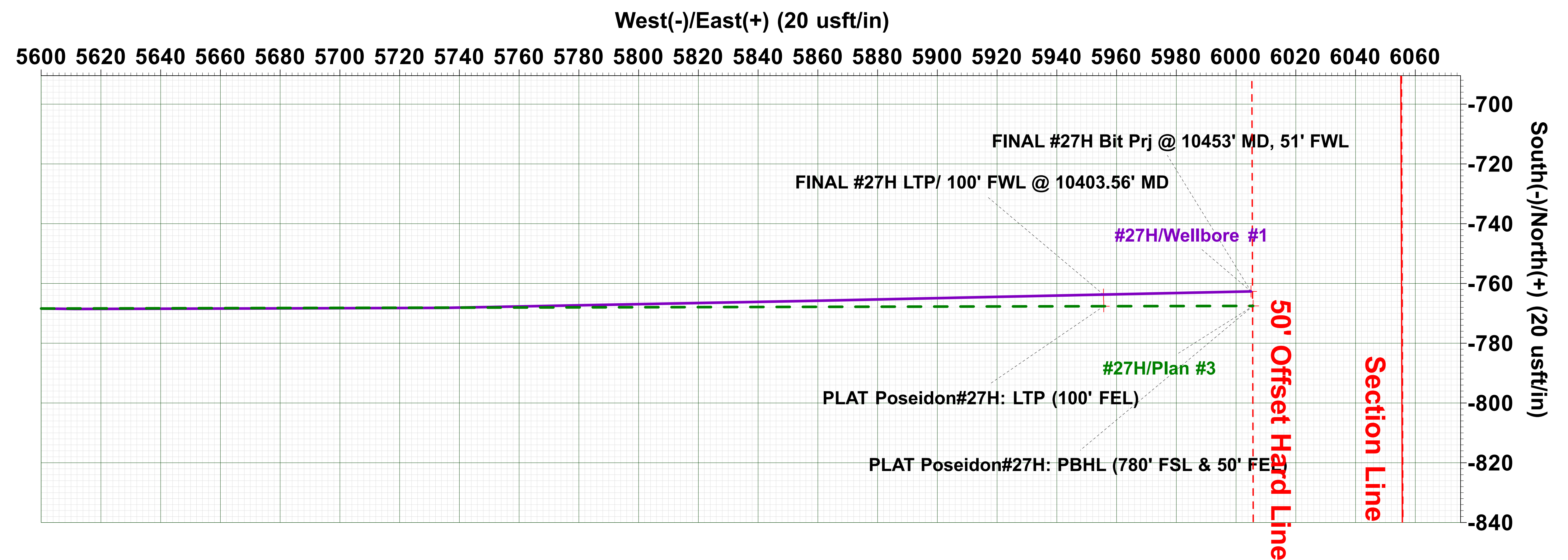
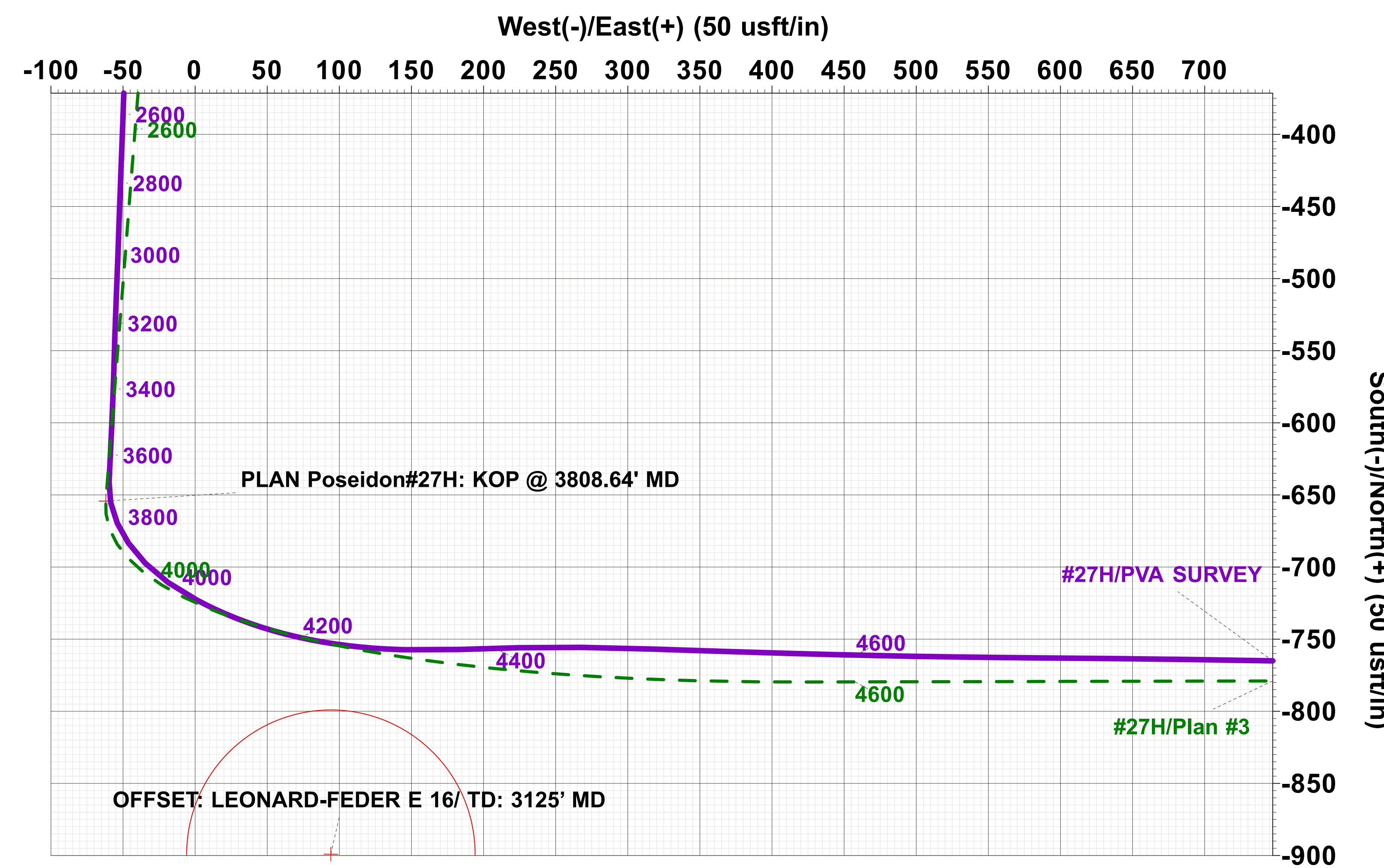
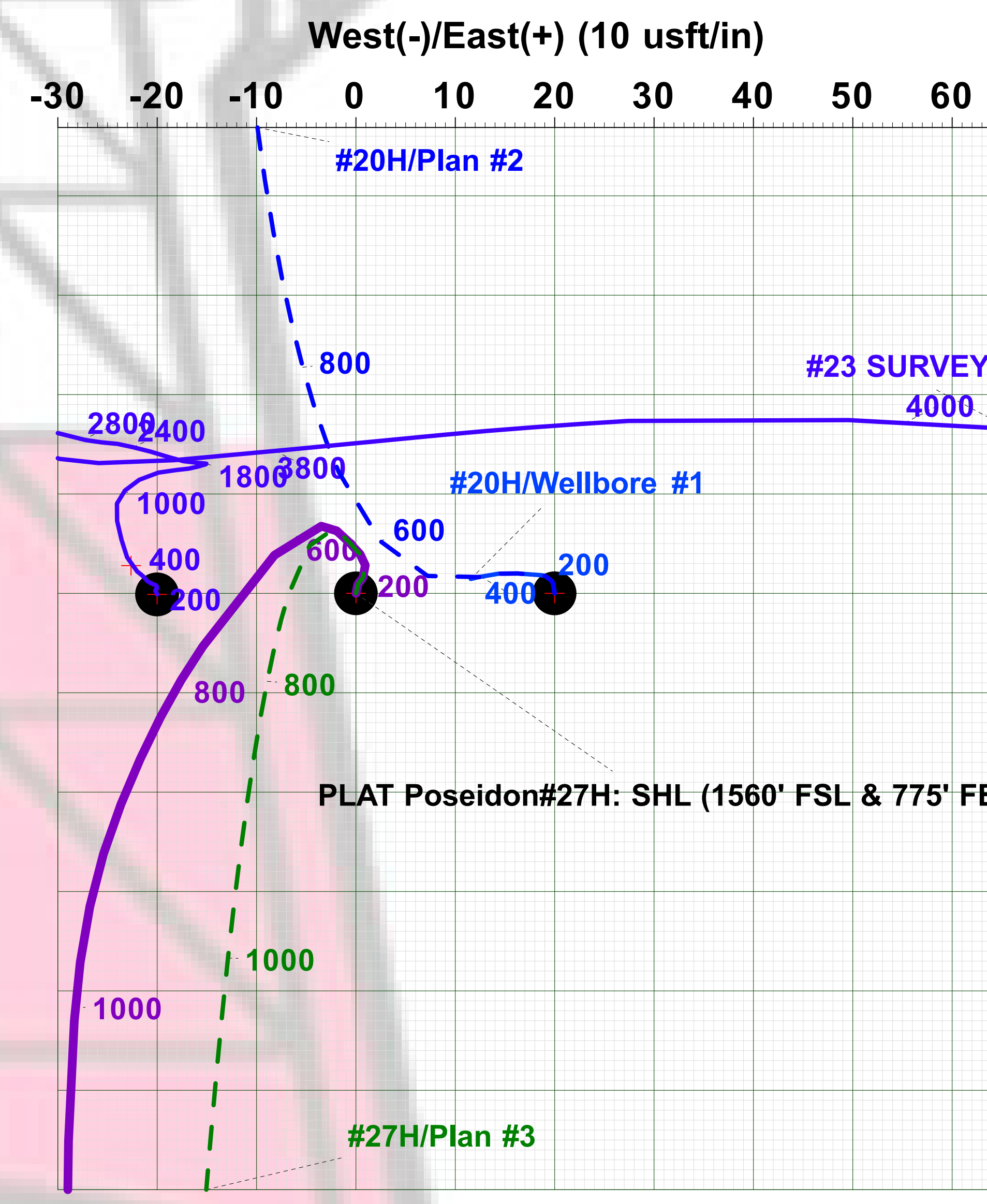
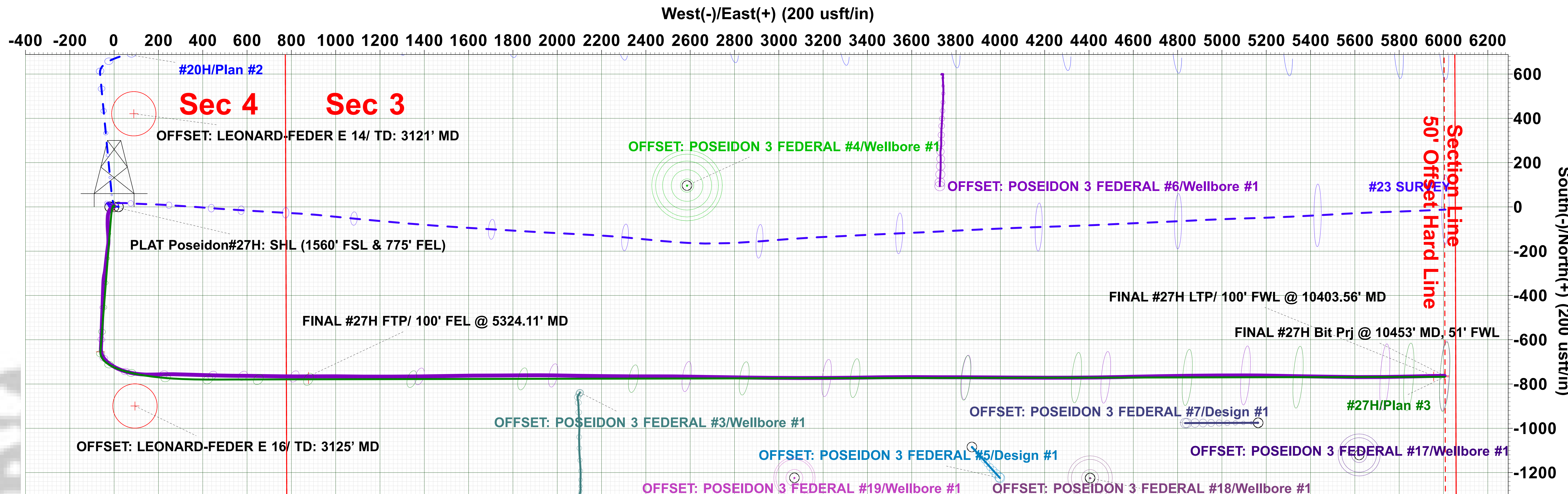
Projection to Bit: 10453.00' MD/ 4805.47' TVD

TD: Latitude= 32.8584211 / Longitude= -103.9513352

TD: Y= 676239.14 / X= 658636.22

Final Station Closure Distance= 6053.25 /Direction= 97.24

Vertical Section at 89.87° (200 usft/in)



Plan: Plan #3 (#27H/Wellbore #1) Akita 57

Created By: Matthew May Date: 6:50, May 13 2021

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

KZ 06/29/2018

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 41369

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41369
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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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

CONDITIONS

Action 41369

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41369
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 EXPIRES 11/11/2021; Submit all drilling, casing, and completion sundries/reports.	9/22/2021