

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 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 15-48108	⁵ Pool Name LOCO HILLS; GLORIETA-YESO	⁶ Pool Code 96718
⁷ Property Code 325889	⁸ Property Name POSEIDON 3 FEDERAL	⁹ Well Number 23H

II. ¹⁰ Surface Location

UI 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	795	EAST	EDDY

¹¹ Bottom Hole Location

FTP: 1525' FSL 111' FWL LTP: 1532' FSL 136' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	3	17S	30E		1536	SOUTH	44	EAST	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 04/01/2021	²² Ready Date 08/11/2021	²³ TD 4705'V/10250'M	²⁴ PBSD 4705'V/10250'M	²⁵ Perforations 5117'-10158'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8" 54.5# J-55 BTC	415'	360 SXS (CIRC TO SURFACE)		
12-1/4"	9-5/8" 36# J-55 BTC	1325'	460 SXS (CIRC TO SURFACE)		
8-3/4"	7" 32# L-80 BK-HT 5-1/2" 20# L-80 BK-HT	4882' 10250'	1390 SXS (CIRC TO SURFACE)		

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: 09/22/2021		
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 30-015-48108	² Pool Code 96718	³ Pool Name LOCO HILLS; GLORIETA-YESO
⁴ Property Code 325889	⁵ Property Name POSEIDON 3 FED	⁶ Well Number 23H
⁷ GRID 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	795	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
I	3	17S	30E		1536	SOUTH	44	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: 677001.7 - E: 652611.2 LAT: 32.8605756° N LONG: 103.9709476° W <u>FIRST TAKE POINT (FTP)</u> 1525' FSL & 111' FWL - SEC 3 N: 676968.2 - E: 653516.8 LAT: 32.8604747° N LONG: 103.9679987° W MD: 5117.0 - TVD 4653.5 <u>LAST TAKE POINT (LTP)</u> 1532' FSL & 136' FEL - SEC 3 N: 676985.7 - E: 658548.3 LAT: 32.8604739° N LONG: 103.9516127° W MD: 10158.0 - TVD: 4704.2 <u>BOTTOM HOLE (BH)</u> N: 676989.8 - E: 658640.2 LAT: 32.8604843° N LONG: 103.9513133° W MD: 10250.0 - TVD: 4704.9 <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> <u>Sarah Chapman</u> 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> 05-04-2021 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number LS20090411AD



I **Larry Wright** certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **04/26/21** thru **05/03/21** conduct or supervise the taking of a **MWD Survey** from a depth of **418'** to a depth of **10250'**; 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 23H** API No. **30-015-48108** 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

#23H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

04 May, 2021





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #23H
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:	#23H	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
From:	Map	Easting:	652,651.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.8605754
		Longitude:	-103.9708173
		Grid Convergence:	0.197 °

Well	#23H		
Well Position	+N/-S	0.00 usft	Northing: 677,001.70 usft
	+E/-W	0.00 usft	Easting: 652,611.20 usft
Position Uncertainty	0.00 usft		Wellhead Elevation: usft
			Latitude: 32.8605755
			Longitude: -103.9709475
			Ground Level: 3,713.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	5/16/2021	6.791
			Dip Angle (°) 60.421
			Field Strength (nT) 47,834.94772447

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)
	0.00	0.00	0.00
			Direction (°) 89.87

Survey Program	Date	5/4/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
20.00	418.00	INVICTUS TOOLS (Wellbore #1)	MWD+IGRF	OWSG MWD + IGRF or WMM
529.00	10,250.00	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
POSEIDON 3 FEDERAL #4: TD 6000' MD - OFFSET: LEONARD-FEDER E 14/ TD: 3121' MD - OFFSET: LEONARD-FEDER									
20.00	0.00	359.80	20.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	0.30	339.62	130.00	0.27	-0.10	-0.10	0.27	0.27	0.00
161.00	0.20	264.62	161.00	0.34	-0.18	-0.18	1.01	-0.32	-241.94
188.00	0.60	33.62	188.00	0.45	-0.15	-0.15	2.75	1.48	477.78
216.00	0.30	53.62	216.00	0.62	-0.01	-0.01	1.19	-1.07	71.43
245.00	0.60	331.62	245.00	0.80	-0.02	-0.02	2.18	1.03	-282.76
277.00	0.30	279.62	277.00	0.96	-0.18	-0.18	1.49	-0.94	-162.50
308.00	1.20	290.62	307.99	1.09	-0.57	-0.57	2.93	2.90	35.48



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #23H
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:	#23H	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)	
340.00	0.70	321.62	339.99	1.36	-1.00	-1.00	2.19	-1.56	96.87	
371.00	1.10	319.62	370.99	1.73	-1.31	-1.31	1.29	1.29	-6.45	
403.00	1.10	300.62	402.98	2.12	-1.78	-1.77	1.13	0.00	-59.37	
418.00	1.00	313.62	417.98	2.29	-2.00	-1.99	1.72	-0.67	86.67	
529.00	0.88	337.24	528.96	3.74	-3.03	-3.02	0.36	-0.11	21.28	
650.00	0.88	347.61	649.95	5.51	-3.59	-3.57	0.13	0.00	8.57	
770.00	0.97	346.38	769.93	7.39	-4.02	-4.01	0.08	0.07	-1.02	
890.00	0.75	16.26	889.92	9.14	-4.04	-4.02	0.41	-0.18	24.90	
1,012.00	0.75	46.58	1,011.91	10.45	-3.24	-3.21	0.32	0.00	24.85	
1,132.00	0.97	58.36	1,131.90	11.52	-1.80	-1.78	0.23	0.18	9.82	
1,260.00	0.92	81.04	1,259.88	12.25	0.13	0.16	0.29	-0.04	17.72	
1,392.00	0.66	82.44	1,391.87	12.52	1.94	1.96	0.20	-0.20	1.06	
1,518.00	0.48	84.90	1,517.86	12.66	3.18	3.21	0.14	-0.14	1.95	
1,644.00	0.40	68.29	1,643.86	12.87	4.11	4.14	0.12	-0.06	-13.18	
1,771.00	0.35	80.42	1,770.85	13.10	4.91	4.94	0.07	-0.04	9.55	
1,897.00	0.88	273.17	1,896.85	13.21	4.32	4.35	0.97	0.42	-132.74	
2,023.00	0.66	280.81	2,022.84	13.40	2.64	2.67	0.19	-0.17	6.06	
2,149.00	0.79	289.34	2,148.83	13.83	1.11	1.14	0.13	0.10	6.77	
2,276.00	0.88	284.59	2,275.81	14.36	-0.66	-0.63	0.09	0.07	-3.74	
2,402.00	0.79	283.98	2,401.80	14.82	-2.44	-2.40	0.07	-0.07	-0.48	
2,528.00	0.66	278.97	2,527.79	15.14	-4.00	-3.96	0.11	-0.10	-3.98	
2,654.00	0.79	272.73	2,653.78	15.29	-5.58	-5.55	0.12	0.10	-4.95	
2,780.00	0.70	284.33	2,779.77	15.53	-7.20	-7.16	0.14	-0.07	9.21	
2,928.00	0.84	284.15	2,927.76	16.02	-9.12	-9.09	0.09	0.09	-0.12	
3,053.00	0.75	282.39	3,052.75	16.42	-10.81	-10.77	0.07	-0.07	-1.41	
3,180.00	0.92	286.88	3,179.73	16.89	-12.60	-12.56	0.14	0.13	3.54	
3,306.00	0.66	136.23	3,305.73	16.66	-13.06	-13.03	1.21	-0.21	-119.56	
3,432.00	0.66	149.33	3,431.72	15.51	-12.19	-12.16	0.12	0.00	10.40	
3,558.00	0.70	143.35	3,557.71	14.27	-11.36	-11.33	0.06	0.03	-4.75	
3,621.00	2.42	103.98	3,620.69	13.64	-9.84	-9.81	3.06	2.73	-62.49	
3,656.90	3.81	95.34	3,656.53	13.35	-7.92	-7.89	4.06	3.86	-24.07	
PLAN #23H: KOP @ 3656.16' MD										
3,684.00	4.88	92.11	3,683.55	13.22	-5.87	-5.84	4.06	3.96	-11.91	
3,746.00	9.19	85.52	3,745.07	13.51	1.70	1.73	7.06	6.95	-10.63	
3,809.00	12.31	84.29	3,806.96	14.57	13.40	13.44	4.97	4.95	-1.95	
3,872.00	15.96	84.64	3,868.04	16.05	28.71	28.75	5.80	5.79	0.56	
3,934.00	19.30	86.57	3,927.12	17.46	47.43	47.47	5.47	5.39	3.11	
3,997.00	21.89	92.64	3,986.10	17.54	69.56	69.60	5.32	4.11	9.63	
4,060.00	25.49	93.43	4,043.78	16.19	94.84	94.87	5.74	5.71	1.25	
4,123.00	28.70	93.34	4,099.86	14.49	123.48	123.51	5.10	5.10	-0.14	
4,187.00	32.22	91.76	4,155.02	13.07	155.88	155.91	5.64	5.50	-2.47	
4,249.00	35.03	91.58	4,206.64	12.08	190.20	190.22	4.54	4.53	-0.29	
4,312.00	38.24	93.25	4,257.19	10.47	227.75	227.77	5.33	5.10	2.65	



Survey Report



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Site:	Poseidon 3 Fed	MD Reference:	RKB = 20' @ 3733.00usft (Akita 57)
Well:	#23H	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)
4,374.00	41.63	94.05	4,304.72	7.93	267.46	267.48	5.53	5.47	1.29
4,438.00	45.36	93.61	4,351.14	4.99	311.40	311.41	5.85	5.83	-0.69
4,501.00	49.93	93.52	4,393.57	2.10	357.86	357.86	7.25	7.25	-0.14
4,564.00	53.63	94.66	4,432.54	-1.44	407.22	407.21	6.04	5.87	1.81
4,596.00	55.08	94.57	4,451.19	-3.53	433.14	433.13	4.54	4.53	-0.28
4,627.00	57.76	94.40	4,468.34	-5.55	458.88	458.87	8.66	8.65	-0.55
4,659.00	59.60	94.05	4,484.97	-7.57	486.14	486.12	5.83	5.75	-1.09
Start Tangent: 4659.00' MD/ 4484.97' TVD									
4,691.00	60.04	93.78	4,501.06	-9.45	513.74	513.72	1.56	1.37	-0.84
4,722.00	60.31	93.69	4,516.48	-11.21	540.58	540.55	0.91	0.87	-0.29
4,753.00	60.35	93.61	4,531.82	-12.92	567.46	567.43	0.26	0.13	-0.26
4,783.00	60.48	93.52	4,546.63	-14.54	593.50	593.46	0.51	0.43	-0.30
4,815.00	60.62	93.52	4,562.37	-16.25	621.31	621.27	0.44	0.44	0.00
4,850.00	61.23	93.43	4,579.37	-18.11	651.84	651.80	1.76	1.74	-0.26
End Tangent: 4850.00' MD/ 4579.37' TVD									
4,877.00	63.65	93.52	4,591.87	-19.56	675.73	675.69	8.97	8.96	0.33
4,941.00	69.80	93.52	4,617.14	-23.17	734.38	734.33	9.61	9.61	0.00
5,004.00	75.65	92.90	4,635.84	-26.53	794.42	794.36	9.33	9.29	-0.98
5,067.00	82.15	93.52	4,647.97	-29.99	856.11	856.04	10.36	10.32	0.98
5,103.94	83.93	94.20	4,652.44	-32.46	892.69	892.62	5.16	4.82	1.84
PLAT Poseidon #23H: FTP (100' FWL)									
5,106.18	84.04	94.24	4,652.68	-32.63	894.92	894.84	5.16	4.82	1.84
FINAL #23H FTP/ 100' FEL @ 5106.18' MD									
5,129.00	85.14	94.66	4,654.83	-34.39	917.57	917.49	5.16	4.82	1.83
5,140.35	86.14	95.04	4,655.69	-35.35	928.85	928.76	9.41	8.81	3.32
PLAN Poseidon #23H: LP @ 5151.08' MD									
5,161.00	87.96	95.72	4,656.75	-37.28	949.37	949.29	9.41	8.81	3.31
5,192.00	88.44	95.89	4,657.73	-40.41	980.20	980.11	1.64	1.55	0.55
5,315.00	89.27	95.45	4,660.18	-52.56	1,102.57	1,102.45	0.76	0.67	-0.36
5,441.00	90.24	95.19	4,660.72	-64.24	1,228.03	1,227.88	0.80	0.77	-0.21
5,567.00	90.99	94.92	4,659.37	-75.35	1,353.53	1,353.35	0.63	0.60	-0.21
5,693.00	89.10	94.13	4,659.27	-85.29	1,479.13	1,478.93	1.63	-1.50	-0.63
5,819.00	89.58	93.52	4,660.72	-93.69	1,604.84	1,604.62	0.62	0.38	-0.48
5,939.00	88.31	93.43	4,662.93	-100.96	1,724.60	1,724.36	1.06	-1.06	-0.07
6,060.00	88.92	93.61	4,665.86	-108.39	1,845.33	1,845.08	0.53	0.50	0.15
6,181.00	89.54	93.08	4,667.48	-115.45	1,966.11	1,965.85	0.67	0.51	-0.44
6,301.00	90.15	92.73	4,667.81	-121.53	2,085.96	2,085.68	0.59	0.51	-0.29
6,422.00	89.63	93.69	4,668.04	-128.31	2,206.77	2,206.47	0.90	-0.43	0.79
6,542.00	88.92	95.28	4,669.56	-137.69	2,326.38	2,326.07	1.45	-0.59	1.32
6,662.00	89.80	95.80	4,670.90	-149.27	2,445.81	2,445.47	0.85	0.73	0.43
6,784.00	88.35	94.05	4,672.87	-159.74	2,567.34	2,566.97	1.86	-1.19	-1.43
6,904.00	87.74	91.14	4,676.96	-165.17	2,687.13	2,686.75	2.48	-0.51	-2.42
7,024.00	88.31	87.01	4,681.10	-163.24	2,807.02	2,806.64	3.47	0.47	-3.44
7,150.00	89.14	85.78	4,683.90	-155.32	2,932.74	2,932.38	1.18	0.66	-0.98



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #23H
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:	#23H	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)
7,276.00	89.71	85.34	4,685.17	-145.56	3,058.35	3,058.01	0.57	0.45	-0.35
7,403.00	91.12	87.28	4,684.25	-137.39	3,185.08	3,184.76	1.89	1.11	1.53
7,530.00	89.85	87.37	4,683.17	-131.46	3,311.93	3,311.62	1.00	-1.00	0.07
7,656.00	90.42	87.01	4,682.88	-125.29	3,437.78	3,437.48	0.54	0.45	-0.29
7,782.00	89.41	87.54	4,683.06	-119.30	3,563.63	3,563.35	0.91	-0.80	0.42
7,907.00	89.85	87.37	4,683.87	-113.75	3,688.51	3,688.24	0.38	0.35	-0.14
8,033.00	90.64	86.84	4,683.33	-107.38	3,814.34	3,814.09	0.76	0.63	-0.42
8,159.00	89.49	87.54	4,683.19	-101.21	3,940.19	3,939.95	1.07	-0.91	0.56
8,286.00	90.02	87.37	4,683.73	-95.57	4,067.06	4,066.83	0.44	0.42	-0.13
8,412.00	87.96	88.33	4,685.95	-90.84	4,192.94	4,192.73	1.80	-1.63	0.76
8,538.00	88.70	87.98	4,689.63	-86.79	4,318.82	4,318.62	0.65	0.59	-0.28
8,664.00	89.63	87.63	4,691.46	-81.96	4,444.72	4,444.52	0.79	0.74	-0.28
8,790.00	90.33	87.01	4,691.51	-76.07	4,570.58	4,570.39	0.74	0.56	-0.49
8,916.00	89.23	87.63	4,691.99	-70.18	4,696.44	4,696.27	1.00	-0.87	0.49
9,042.00	89.67	87.37	4,693.20	-64.68	4,822.31	4,822.15	0.41	0.35	-0.21
9,168.00	90.15	86.84	4,693.40	-58.32	4,948.15	4,948.00	0.57	0.38	-0.42
9,243.98	89.09	87.85	4,693.90	-54.80	5,024.05	5,023.91	1.92	-1.39	1.33
POSEIDON 3 FEDERAL #8: TD ? MD									
9,294.00	88.40	88.51	4,694.99	-53.21	5,074.03	5,073.89	1.92	-1.39	1.33
9,420.00	88.79	87.98	4,698.08	-49.35	5,199.93	5,199.80	0.52	0.31	-0.42
9,546.00	89.19	87.37	4,700.30	-44.24	5,325.80	5,325.69	0.58	0.32	-0.48
9,672.00	89.67	86.84	4,701.56	-37.87	5,451.64	5,451.54	0.57	0.38	-0.42
9,798.00	90.46	86.49	4,701.41	-30.54	5,577.42	5,577.34	0.69	0.63	-0.28
9,925.00	89.23	88.16	4,701.76	-24.62	5,704.28	5,704.21	1.63	-0.97	1.31
10,051.00	89.41	87.98	4,703.25	-20.37	5,830.20	5,830.13	0.20	0.14	-0.14
10,177.00	89.58	87.37	4,704.36	-15.26	5,956.09	5,956.04	0.50	0.13	-0.48
FINAL #23H LTP/ 100' FWL @ 10194.28' MD									
10,194.13	89.58	87.37	4,704.49	-14.48	5,973.20	5,973.15	0.00	0.00	0.00
PLAT Poseidon #23H: LTP (100' FEL)									
10,244.18	89.58	87.37	4,704.85	-12.18	6,023.19	6,023.15	0.00	0.00	0.00
PLAT Poseidon #23H: PBHL (1530' FSL & 50' FEL)									
10,250.00	89.58	87.37	4,704.90	-11.91	6,029.01	6,028.96	0.00	0.00	0.00
TD: Y= 676989.79 / X= 658640.21 - Final Station Closure Distance= 6029.02 /Direction= 90.11 - Projection to Bit: 10250.0									



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #23H
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:	#23H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

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
FINAL #23H FTP/ 10C - actual wellpath hits target center - Point	0.00	0.00	4,652.68	-32.63	894.92	676,969.07	653,506.12	32.8604773	-103.9680335
FINAL #23H LTP/ 100 - actual wellpath hits target center - Point	0.00	0.00	4,704.49	-14.47	5,973.35	676,987.22	658,584.55	32.8604778	-103.9514946
FINAL #23H Bit Proj @ - actual wellpath hits target center - Point	0.00	0.00	4,704.90	-11.91	6,029.01	676,989.78	658,640.21	32.8604843	-103.9513133

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,659.00	4,484.97	-7.57	486.14	Start Tangent: 4659.00' MD/ 4484.97' TVD
4,850.00	4,579.37	-18.11	651.84	End Tangent: 4850.00' MD/ 4579.37' TVD
10,250.00	4,704.90	-11.91	6,029.01	TD: Y= 676989.79 / X= 658640.21
10,250.00	4,704.90	-11.91	6,029.01	Final Station Closure Distance= 6029.02 /Direction= 90.11
10,250.00	4,704.90	-11.91	6,029.01	Projection to Bit: 10250.00' MD/ 4704.90' TVD
10,250.00	4,704.90	-11.91	6,029.01	TD: Latitude= 32.8604843 / Longitude= -103.9513134

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Poseidon 3 Fed
Well: #23H
Wellbore: Wellbore #1
Rig: Akita 57
Design: Plan #3 / 9:50, May 04 2021



WELL DETAILS: #23H

RKB = 20' @ 3733.00usft (Akita 57)

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
3713.00	0.00	0.00	677001.70	652611.20	32.8605755	-103.9709475

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	418.00	1.00	313.62	417.98	2.29	-2.00	0.00	-1.99
2	518.00	0.00	0.00	517.97	2.89	-2.63	1.00	-2.62
3	3656.16	0.00	0.00	3656.13	2.89	-2.63	0.00	-2.62
4	4656.16	60.00	92.15	4483.12	-15.02	474.50	6.00	474.47
5	4856.16	60.00	92.15	4583.12	-21.52	647.58	0.00	647.53
6	5151.08	89.44	94.00	4660.00	-36.94	928.53	10.00	928.44
7	6751.08	89.44	94.00	4675.64	-148.54	2524.55	0.00	2524.21
8	7073.01	89.44	87.56	4678.79	-152.93	2846.27	2.00	2845.92
9	10253.18	89.44	87.56	4710.00	-17.60	6023.40	0.00	6023.34

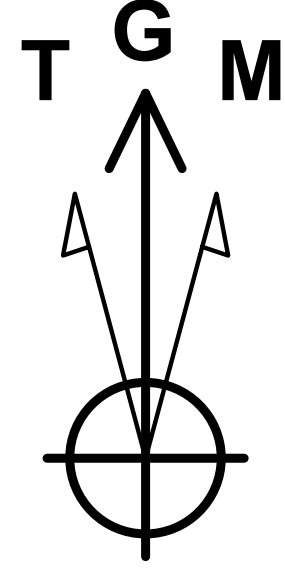
PLAT Poseidon #23H: PBHL (1530' FSL & 50' FEL)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT Poseidon #23H: SHL (1560' FSL & 795' FEL)	0.00	0.00	0.00	677001.70	652611.20	32.8605755	-103.9709475
PLAN #23H: KOP @ 3656.16' MD	3656.13	2.89	-2.63	677004.59	652608.57	32.8605834	-103.9709561
PLAT Poseidon #23H: FTP (100' FWL)	4635.00	-28.80	894.90	676972.90	653506.10	32.8604878	-103.9680335
FINAL #23H FTP/ 100' FEL @ 5106.18' MD	4652.68	-32.63	894.92	676969.07	653506.12	32.8604773	-103.9680335
PLAN Poseidon #23H: LP @ 5151.08' MD	4660.00	-36.94	928.44	676964.76	653539.64	32.8604651	-103.9679244
PLAT Poseidon #23H: LTP (100' FEL)	4697.05	-17.70	5973.40	676984.00	658584.60	32.8604689	-103.9514945
FINAL #23H LTP/ 100' FWL @ 10194.28' MD	4704.49	-14.47	5973.35	676987.23	658584.55	32.8604778	-103.9514946
FINAL #23H Bit Proj @ 10250' MD/ 44' FWL	4704.90	-11.91	6029.01	676989.79	658640.21	32.8604843	-103.9513134
PLAT Poseidon #23H: PBHL (1530' FSL & 50' FEL)	4710.00	-17.60	6023.40	676984.10	658634.60	32.8604687	-103.9513317

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: 47834.9snT
Dip Angle: 60.42°
Date: 5/16/2021
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: 47834.94772448nT

FINAL #23H LTP/ 100' FWL @ 10194.28' MD

FINAL #23H Bit Proj @ 10250' MD/ 44' FWL

#23 SURVEY

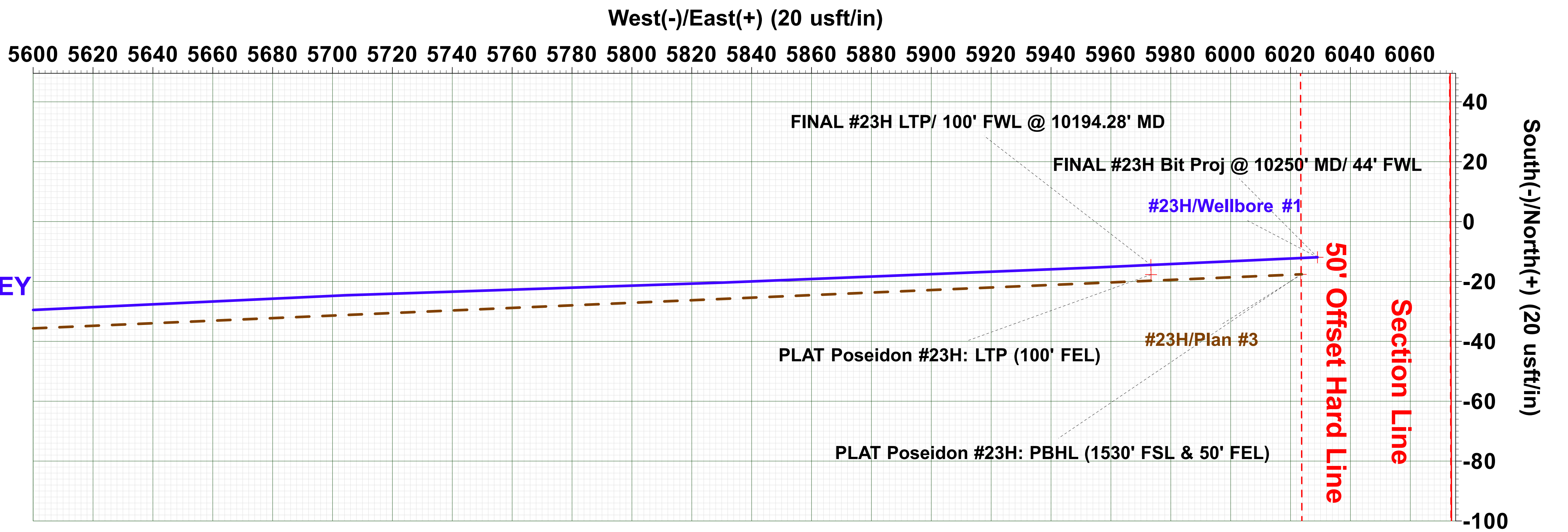
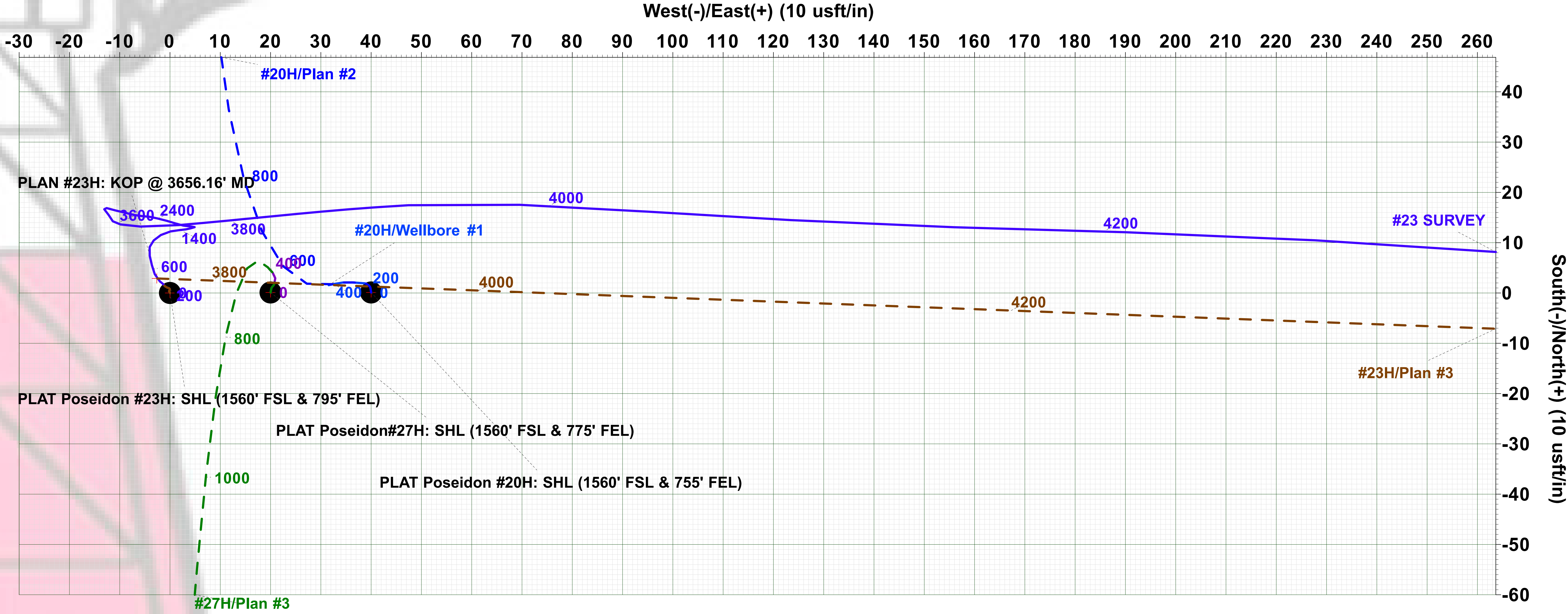
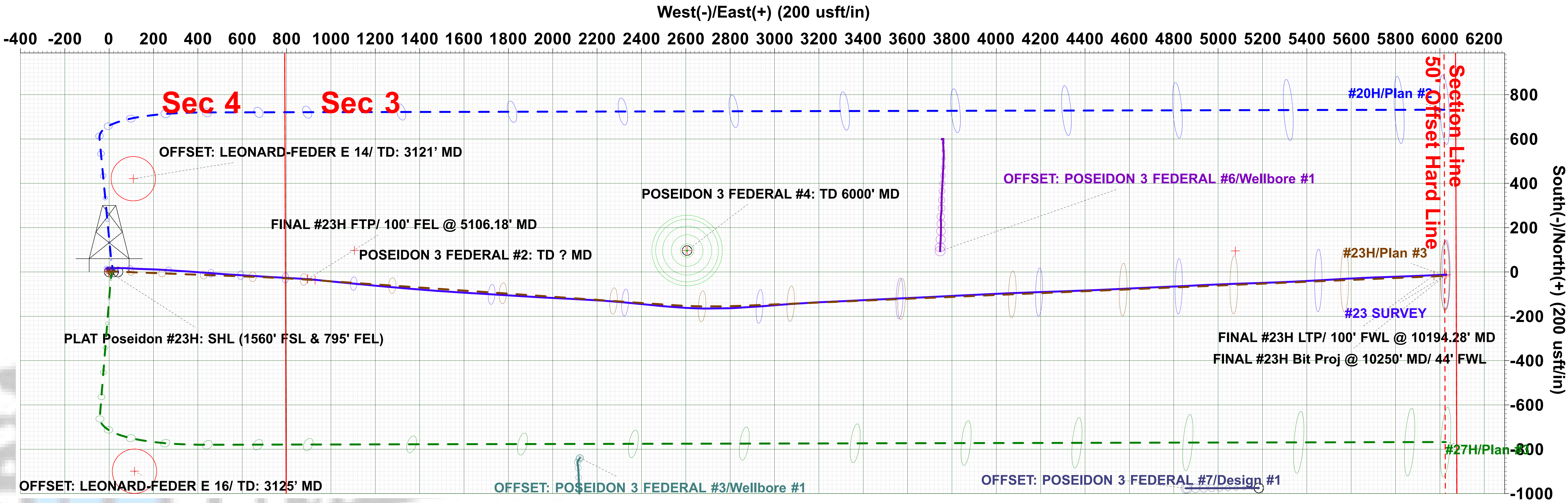
TD: Y= 676989.79 / X= 658640.21

Final Station Closure Distance= 6029.02 /Direction= 90.11

Projection to Bit: 10250.00' MD/ 4704.90' TVD

TD: Latitude= 32.8604843 / Longitude= -103.9513134

Vertical Section at 89.87° (200 usft/in)



Plan: Plan #3 (#23H/Wellbore #1) Akita 57

Created By: Matthew May Date: 9:50, May 04 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

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: POSEIDON 3 FEDERAL	Well Location: T17S / R30E / SEC 4 / NESE / 32.8605756 / -103.9709476	County or Parish/State: EDDY / NM
Well Number: 23H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC060325	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548108	Well Status: Drilling Well	Operator: SPUR ENERGY PARTNERS LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 05/05/2021	Time Sundry Submitted: 08:01
Date Operation Actually Began: 04/28/2021	

Actual Procedure: Drill 8-3/4" hole to 4705'V/10250'M – TD reached on 5/3/2021. 5/4/2021 RIH & set 7" 32# L-80 BK-HT csg @ 4882' then crossover and set 5-1/2" 20# L-80 BK-HT csg @ 10250', pump 50bbl FWS, then cmt w/ 370 sxs class C w/ additives 10.8ppg 3.15 yield followed by tail job w/ 1020 sxs class C w/ additives 13.0ppg and 1.66 yield. Full returns throughout job, circ 17 sxs cmt to surface. 5/4/2021 RD and rig release. Will test csg when frac moves in.

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: SARAH CHAPMAN	Signed on: MAY 05, 2021 08:01 AM
Name: SPUR ENERGY PARTNERS LLC	
Title: Regulatory Directory	
Street Address: 9655 KATY FREEWAY, SUITE 500	
City: Houston	State: TX
Phone: (832) 930-8613	
Email address: SCHAPMAN@SPUREPLLC.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

Received by OCD: 8/11/2021 12:35:10 PM

Page 13 of 15

Well Name: POSEIDON 3 FEDERAL	Well Location: T17S / R30E / SEC 4 / NESE / 32.8605756 / -103.9709476	County or Parish/State: EDDY / NM
Well Number: 23H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC060325	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001548108	Well Status: Drilling Well	Operator: SPUR ENERGY PARTNERS LLC

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 05/18/2021
Signature: Jonathon Shepard	

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 41366

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41366
	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
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
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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 41366

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41366
	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