

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 NW 02/17/2022
⁴ API Number 30 - 0 15-48640	⁵ Pool Name PENASCO DRAW; SA-YESO (ASSOC)	⁶ Pool Code 50270
⁷ Property Code 331156	⁸ Property Name ROSE SOUTH	⁹ Well Number 51H

II. 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
4	7	19S	26E		1105	SOUTH	700	WEST	EDDY

¹¹ Bottom Hole Location

FTP: 635' FSL 109' FEL LTP: 639' FSL 143' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	12	19S	25E		630	SOUTH	50	WEST	EDDY
¹² Lse Code P	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 08/10/2021	²² Ready Date 11/03/2021	²³ TD 3362'V/9270'M	²⁴ PBTD 3362'V/9270'M	²⁵ Perforations 4078'-9183'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
12-1/4"		9-5/8" 36# J-55 BTC	1270'		445 SXS (CIRC TO SURFACE)
8-3/4"		7" 32# L-80 BK-HT	3808'		1525 SXS (CIRC TO SURFACE)
8-3/4"		5-1/2" 20# L-80 BK-HT	9270'		1525 SXS (CIRC TO SURFACE)
		3-1/2" J-55 TBG	3380'		

V. Well Test Data

³¹ Date New Oil 12/05/2021	³² Gas Delivery Date TBD	³³ Test Date 01/19/2022	³⁴ Test Length 24-HOURS	³⁵ Tbg. Pressure 184	³⁶ Csg. Pressure 110
³⁷ Choke Size N/A	³⁸ Oil 272	³⁹ Water 3270	⁴⁰ Gas 680		⁴¹ Test Method PUMPING ON ESP

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: SARAH CHAPMAN		Approved by: 	
Title: REGULATORY DIRECTOR		Title: Petroleum Engineer	
E-mail Address: SCHAPMAN@SPURENERGY.COM		Approval Date: 06/30/22	
Date: 02/17/2022	Phone: 832-930-8613		

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 30-015-48640	² Pool Code 50270	³ Pool Name PENASCO DRAW; SA-YESO (ASSOC)
⁴ Property Code 331156	⁵ Property Name ROSE SOUTH	⁶ Well Number 51H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC.	⁹ Elevation 3386'

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
4	7	19S	26E		1105	SOUTH	700	WEST	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
M	12	19S	25E		637	SOUTH	56	WEST	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: 607801.5 - E: 512403.7 LAT: 32.6708564° N LONG: 104.4273629° W <u>FIRST TAKE POINT (FTP)</u> 635' FSL & 109' FEL - SEC 12 N: 607339.7 - E: 511595.8 LAT: 32.6695851° N LONG: 104.4299870° W MD: 4078.0 - TVD: 3524.5 <u>LAST TAKE POINT (LTP)</u> 639' FSL & 143' FWL - SEC 12 N: 607330.2 - E: 506494.5 LAT: 32.6695451° N LONG: 104.4465649° W MD: 9183.0 - TVD: 3366.1 <u>BOTTOM HOLE (BH)</u> N: 607328.5 - E: 506407.6 LAT: 32.6695403° N LONG: 104.4468473° W MD: 9270.0 - TVD: 3362.2 <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND BOLT N: 606691.2 - E: 506353.0 B: FOUND 1/2" REBAR N: 612008.3 - E: 506339.4 C: FOUND 5/8" REBAR N: 611978.8 - E: 511694.1 D: FOUND ALUM CAP "ILLEGIBLE" N: 612006.0 - E: 514294.2 E: FOUND 3" PIPE N: 612034.2 - E: 516918.2 F: FOUND SPIKE NAIL N: 609327.0 - E: 516948.7 G: FOUND SPIKE NAIL N: 606619.9 - E: 516980.1 H: FOUND 1" PIPE N: 606673.4 - E: 514339.7 I: FOUND 1/2" REBAR N: 606705.1 - E: 511706.5	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> 11/04/2021 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPUREENERGY.COM E-mail Address
(B) (C) (D) (E) (A) (I) (H) (G) (F)	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> 10-28-2021 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number PROF. ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR

LS20120752AC



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **09/17/21** thru **09/23/21** conduct or supervise the taking of a **MWD Survey** from a depth of **155'** to a depth of **9270'**; 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 **Rose South 51H** API No. **30-015-48640** 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)

ROSE SOUTH

#51H

Wellbore #1

Survey: Survey #1

Standard Survey Report

24 September, 2021





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #51H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Site:	ROSE SOUTH	MD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Well:	#51H	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		ROSE SOUTH			
Site Position:		Northing:	607,781.50 usft	Latitude:	32.6708016
From:	Map	Easting:	512,403.70 usft	Longitude:	-104.4273627
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-0.051 °

Well	#51H					
Well Position	+N/-S	0.00 usft	Northing:	607,801.50 usft	Latitude:	32.6708566
	+E/-W	0.00 usft	Easting:	512,403.70 usft	Longitude:	-104.4273628
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,386.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/24/2021	6.963	60.174	47,657.23560787

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	269.85	

Survey Program	Date	9/24/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
7.00	9,270.00	Survey #1 (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	
7.00	0.00	359.99	7.00	0.00	0.00	0.00	0.00	0.00	0.00	
155.00	0.31	187.98	155.00	-0.40	-0.06	0.06	0.21	0.21	0.00	
244.00	0.48	247.74	244.00	-0.78	-0.43	0.44	0.47	0.19	67.15	
330.00	1.01	260.05	329.99	-1.04	-1.51	1.52	0.64	0.62	14.31	
417.00	1.10	212.67	416.98	-1.88	-2.72	2.72	0.98	0.10	-54.46	
505.00	1.58	179.10	504.95	-3.80	-3.16	3.17	1.02	0.55	-38.15	
593.00	2.90	159.70	592.89	-7.10	-2.37	2.38	1.71	1.50	-22.05	
680.00	4.90	156.51	679.68	-12.58	-0.12	0.15	2.31	2.30	-3.67	
764.00	5.58	155.28	763.33	-19.58	3.02	-2.97	0.82	0.81	-1.46	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #51H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Site:	ROSE SOUTH	MD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Well:	#51H	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)	
851.00	6.99	157.74	849.80	-28.32	6.79	-6.72	1.65	1.62	2.83	
936.00	7.78	158.27	934.10	-38.45	10.88	-10.78	0.93	0.93	0.62	
1,027.00	9.10	156.78	1,024.11	-50.79	16.00	-15.87	1.47	1.45	-1.64	
1,109.00	10.02	155.37	1,104.97	-63.23	21.53	-21.36	1.16	1.12	-1.72	
1,196.00	10.29	155.55	1,190.61	-77.18	27.90	-27.70	0.31	0.31	0.21	
1,223.00	10.42	154.40	1,217.17	-81.58	29.95	-29.74	0.90	0.48	-4.26	
1,332.00	10.95	153.70	1,324.28	-99.75	38.80	-38.54	0.50	0.49	-0.64	
1,458.00	12.84	164.51	1,447.58	-123.98	47.84	-47.52	2.31	1.50	8.58	
1,584.00	14.20	165.04	1,570.09	-152.40	55.57	-55.17	1.08	1.08	0.42	
1,711.00	13.58	164.07	1,693.37	-181.79	63.68	-63.21	0.52	-0.49	-0.76	
1,835.00	13.27	162.93	1,813.99	-209.39	71.86	-71.31	0.33	-0.25	-0.92	
1,962.00	13.10	162.14	1,937.64	-237.02	80.55	-79.93	0.20	-0.13	-0.62	
2,089.00	13.19	158.98	2,061.31	-264.25	90.16	-89.47	0.57	0.07	-2.49	
2,214.00	12.88	155.90	2,183.09	-290.28	100.97	-100.20	0.61	-0.25	-2.46	
2,370.00	12.66	162.76	2,335.24	-322.48	113.13	-112.29	0.98	-0.14	4.40	
2,496.00	13.10	160.65	2,458.07	-349.14	121.96	-121.04	0.51	0.35	-1.67	
2,557.00	12.79	168.12	2,517.53	-362.27	125.64	-124.69	2.79	-0.51	12.25	
2,620.00	13.05	186.40	2,578.96	-376.17	126.28	-125.29	6.47	0.41	29.02	
2,683.00	14.37	207.32	2,640.20	-390.19	121.90	-120.87	8.10	2.10	33.21	
2,746.00	16.22	219.18	2,700.98	-403.96	112.75	-111.69	5.75	2.94	18.83	
2,809.00	17.45	228.76	2,761.29	-417.01	100.08	-98.99	4.81	1.95	15.21	
2,872.00	18.24	241.24	2,821.28	-427.99	84.33	-83.21	6.19	1.25	19.81	
2,935.00	20.62	254.43	2,880.72	-435.71	64.99	-63.85	7.90	3.78	20.94	
2,996.00	23.78	261.72	2,937.20	-440.37	42.46	-41.31	6.86	5.18	11.95	
3,059.00	27.56	265.94	2,993.98	-443.23	15.34	-14.18	6.66	6.00	6.70	
3,121.00	31.03	268.31	3,048.04	-444.72	-14.95	16.11	5.90	5.60	3.82	
3,183.00	34.99	270.16	3,100.02	-445.14	-48.71	49.88	6.59	6.39	2.98	
3,247.00	39.60	269.89	3,150.92	-445.13	-87.48	88.65	7.21	7.20	-0.42	
3,309.00	44.48	269.19	3,196.95	-445.47	-128.99	130.15	7.91	7.87	-1.13	
3,372.00	49.54	269.02	3,239.90	-446.20	-175.05	176.22	8.03	8.03	-0.27	
3,435.00	53.71	268.75	3,279.00	-447.16	-224.42	225.59	6.63	6.62	-0.43	
3,498.00	57.71	267.61	3,314.49	-448.82	-276.43	277.60	6.52	6.35	-1.81	
3,562.00	60.13	267.17	3,347.52	-451.32	-331.18	332.36	3.83	3.78	-0.69	
3,593.00	60.22	266.99	3,362.94	-452.69	-358.04	359.22	0.58	0.29	-0.58	
3,625.00	60.13	266.99	3,378.86	-454.15	-385.76	386.95	0.28	-0.28	0.00	
3,656.00	60.53	266.91	3,394.20	-455.58	-412.66	413.85	1.31	1.29	-0.26	
3,688.00	60.79	266.73	3,409.88	-457.13	-440.51	441.71	0.95	0.81	-0.56	
3,719.00	61.05	266.73	3,424.95	-458.68	-467.56	468.76	0.84	0.84	0.00	
3,751.00	61.85	266.47	3,440.24	-460.34	-495.62	496.82	2.60	2.50	-0.81	
3,814.00	66.29	266.29	3,467.78	-463.92	-552.15	553.36	7.05	7.05	-0.29	
3,876.00	71.56	267.79	3,490.07	-466.89	-609.90	611.12	8.79	8.50	2.42	
3,939.00	76.44	270.69	3,507.44	-467.68	-670.43	671.65	8.92	7.75	4.60	
4,002.00	82.02	272.80	3,519.20	-465.78	-732.27	733.48	9.45	8.86	3.35	
4,064.00	88.31	273.23	3,524.43	-462.54	-793.93	795.14	10.17	10.15	0.69	



Survey Report



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Well:	#51H	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)
4,126.00	91.47	272.53	3,524.55	-459.42	-855.84	857.04	5.22	5.10	-1.13
4,252.00	92.62	271.65	3,520.05	-454.83	-981.67	982.86	1.15	0.91	-0.70
4,378.00	91.47	269.54	3,515.55	-453.52	-1,107.58	1,108.76	1.91	-0.91	-1.67
4,505.00	92.75	268.58	3,510.88	-455.60	-1,234.47	1,235.66	1.26	1.01	-0.76
4,631.00	91.43	268.84	3,506.28	-458.44	-1,360.35	1,361.55	1.07	-1.05	0.21
4,758.00	91.21	269.72	3,503.36	-460.03	-1,487.31	1,488.51	0.71	-0.17	0.69
4,884.00	92.35	268.75	3,499.44	-461.71	-1,613.23	1,614.43	1.19	0.90	-0.77
5,011.00	92.18	269.72	3,494.42	-463.41	-1,740.12	1,741.33	0.77	-0.13	0.76
5,137.00	91.16	269.98	3,490.75	-463.74	-1,866.06	1,867.27	0.84	-0.81	0.21
5,264.00	91.82	269.10	3,487.45	-464.76	-1,993.01	1,994.22	0.87	0.52	-0.69
5,390.00	92.92	267.79	3,482.24	-468.17	-2,118.86	2,120.07	1.36	0.87	-1.04
5,516.00	92.31	268.93	3,476.49	-471.78	-2,244.67	2,245.90	1.03	-0.48	0.90
5,643.00	91.16	269.72	3,472.65	-473.27	-2,371.60	2,372.83	1.10	-0.91	0.62
5,768.00	89.71	269.98	3,471.70	-473.60	-2,496.59	2,497.82	1.18	-1.16	0.21
5,895.00	90.73	269.46	3,471.21	-474.22	-2,623.59	2,624.82	0.90	0.80	-0.41
6,021.00	91.74	268.58	3,468.49	-476.37	-2,749.54	2,750.77	1.06	0.80	-0.70
6,147.00	92.31	267.61	3,464.04	-480.56	-2,875.39	2,876.64	0.89	0.45	-0.77
6,268.00	92.35	268.22	3,459.12	-484.96	-2,996.21	2,997.47	0.50	0.03	0.50
6,390.00	92.09	269.98	3,454.39	-486.87	-3,118.09	3,119.36	1.46	-0.21	1.44
6,511.00	91.43	270.60	3,450.68	-486.26	-3,239.03	3,240.30	0.75	-0.55	0.51
6,632.00	93.14	270.60	3,445.85	-484.99	-3,359.93	3,361.19	1.41	1.41	0.00
6,753.00	91.69	270.42	3,440.76	-483.92	-3,480.81	3,482.07	1.21	-1.20	-0.15
6,874.00	90.55	270.86	3,438.39	-482.57	-3,601.78	3,603.03	1.01	-0.94	0.36
6,993.00	91.43	269.98	3,436.33	-481.69	-3,720.76	3,722.00	1.05	0.74	-0.74
7,112.00	92.40	268.93	3,432.36	-482.82	-3,839.68	3,840.93	1.20	0.82	-0.88
7,232.00	91.82	269.89	3,427.94	-484.06	-3,959.59	3,960.84	0.93	-0.48	0.80
7,353.00	92.13	272.09	3,423.77	-481.97	-4,080.49	4,081.74	1.84	0.26	1.82
7,479.00	90.77	272.71	3,420.58	-476.70	-4,206.34	4,207.57	1.19	-1.08	0.49
7,604.00	91.69	271.65	3,417.90	-471.94	-4,331.22	4,332.44	1.12	0.74	-0.85
7,730.00	92.44	270.77	3,413.36	-469.28	-4,457.10	4,458.32	0.92	0.60	-0.70
7,856.00	91.21	270.33	3,409.34	-468.07	-4,583.03	4,584.24	1.04	-0.98	-0.35
7,982.00	92.00	269.81	3,405.82	-467.92	-4,708.98	4,710.19	0.75	0.63	-0.41
8,106.00	90.55	270.60	3,403.06	-467.48	-4,832.95	4,834.15	1.33	-1.17	0.64
8,232.00	91.43	269.98	3,400.88	-466.84	-4,958.92	4,960.13	0.85	0.70	-0.49
8,358.00	92.40	268.93	3,396.67	-468.04	-5,084.84	5,086.05	1.13	0.77	-0.83
8,484.00	91.69	269.37	3,392.17	-469.90	-5,210.75	5,211.96	0.66	-0.56	0.35
8,610.00	92.75	268.84	3,387.29	-471.87	-5,336.64	5,337.85	0.94	0.84	-0.42
8,736.00	92.09	270.25	3,381.97	-472.87	-5,462.52	5,463.74	1.23	-0.52	1.12
8,861.00	93.10	270.42	3,376.31	-472.14	-5,587.38	5,588.60	0.82	0.81	0.14
8,987.00	91.12	270.77	3,371.67	-470.83	-5,713.29	5,714.50	1.60	-1.57	0.28
9,113.00	91.60	269.63	3,368.68	-470.39	-5,839.25	5,840.46	0.98	0.38	-0.90
9,195.00	92.62	268.84	3,365.66	-471.49	-5,921.18	5,922.40	1.57	1.24	-0.96
9,270.00	92.62	268.84	3,362.23	-473.00	-5,996.09	5,997.31	0.00	0.00	0.00



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #51H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Site:	ROSE SOUTH	MD Reference:	RKB = 20' @ 3406.00usft (AKITA 57)
Well:	#51H	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)

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FINAL TD/ BIT PROJ:	0.00	0.00	3,362.23	-473.00	-5,996.09	607,328.50	506,407.61	32.6695403	-104.4468473
- survey hits target center									
- Point									
FINAL LTP: 100' FWL	0.00	0.00	3,364.24	-472.12	-5,952.31	607,329.39	506,451.39	32.6695429	-104.4467050
- survey misses target center by 31.17usft at 9195.00usft MD (3365.66 TVD, -471.49 N, -5921.18 E)									
- Point									
FINAL FTP: 100' FEL,	0.00	360.00	3,524.56	-462.27	-798.69	607,339.23	511,605.01	32.6695839	-104.4299570
- survey hits target center									
- Point									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,562.00	3,347.52	-451.32	-331.18	START TANGENT: 3562.00' MD/ 3347.52' TVD	
3,751.00	3,440.24	-460.34	-495.62	END TANGENT: 3751.00' MD/ 3440.24' TVD	
4,068.77	3,524.56	-462.27	-798.69	FINAL FTP: 4068.77' MD/ 3524.56' TVD	
9,226.17	3,364.24	-472.12	-5,952.31	FINAL LTP: 9226.17' MD/ 3364.24' TVD	
9,270.00	3,362.23	-473.00	-5,996.09	TD: Y= 607328.50 / X= 506407.61	
9,270.00	3,362.23	-473.00	-5,996.09	Final Station Closure Distance= 6014.72 /Direction= 268.84	
9,270.00	3,362.23	-473.00	-5,996.09	Projection to Bit: 9270.00' MD/ 3362.23' TVD	
9,270.00	3,362.23	-473.00	-5,996.09	TD: Latitude= 32.6695403 / Longitude= -104.4468473	

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: ROSE SOUTH
Well: #51H
Wellbore: Wellbore #1
Rig: AKITA 57
Design: PLAN #3 / 14:28, September 24 2021



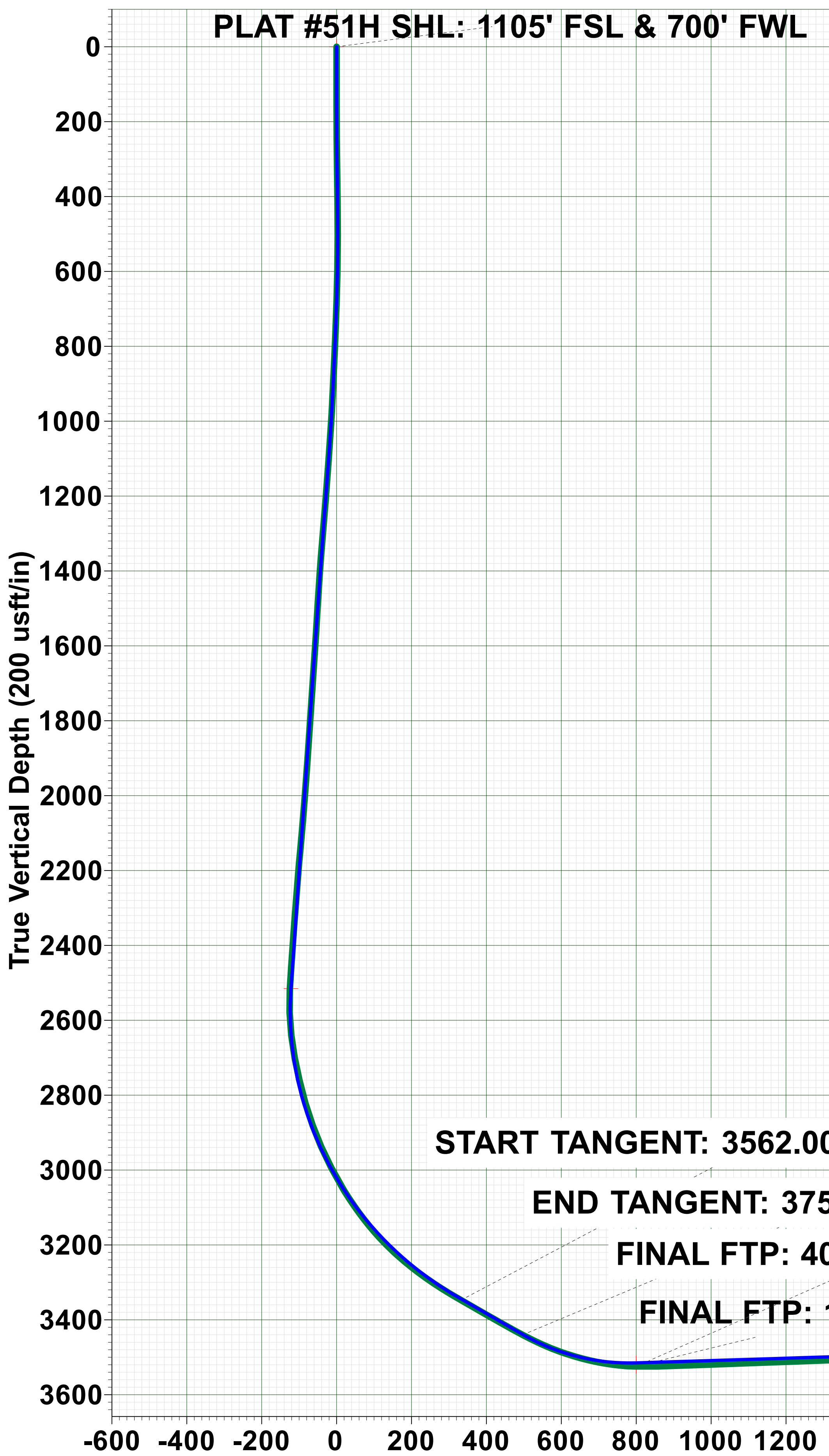
WELL DETAILS: #51H

RKB = 20' @ 3406.00usft (AKITA 57)

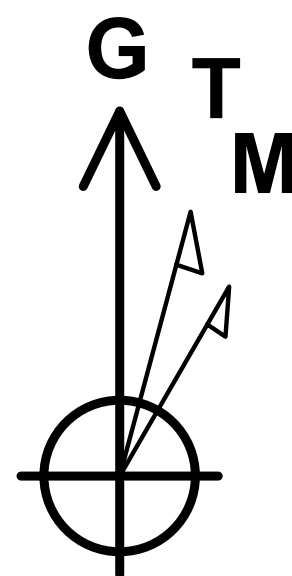
		3386.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	607801.50	512403.70	32.6708565	-104.4273628

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT #51H SHL: 1105' FSL & 700' FWL	0.00	0.00	0.00	607801.50	512403.70	32.6708565	-104.4273628
PLAN #51H KOP @ 2552.08' MD	2515.42	-350.48	122.69	607451.02	512526.39	32.6698935	-104.4269631
PLAT #51H BHL: 630' FSL & 50' FWL	3355.00	-480.30	-6002.30	607321.20	506401.40	32.6695202	-104.4468675
PLAT #51H LTP: 630' FSL & 100' FWL	3356.53	-480.20	-5952.30	607321.30	506451.40	32.6695206	-104.4467050
FINAL TD/ BIT PROJ: 56' FWL, 637' FSL	3362.23	-473.00	-5996.09	607328.50	506407.61	32.6695403	-104.4468473
FINAL LTP: 100' FWL, 638' FSL	3364.24	-472.12	-5952.31	607329.38	506451.39	32.6695428	-104.4467051
PLAT #51H FTP: 630' FSL & 100' FEL	3515.00	-466.80	-798.70	607334.70	511605.00	32.6695715	-104.4299571
FINAL FTP: 100' FEL, 635' FSL	3524.56	-462.27	-798.69	607339.23	511605.01	32.6695839	-104.4299570



Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	1223.00	10.42	154.40	1217.17	-81.58	29.95	0.00	0.000	-29.74	
2	1345.06	12.45	161.24	1336.80	-104.00	38.96	2.00	37.058	-38.68	
3	2552.09	12.45	161.24	2515.43	-350.48	122.69	0.00	0.000	-121.77	
4	3546.25	60.00	269.85	3338.51	-465.56	-321.41	6.50	114.717	322.63	
5	3746.25	60.00	269.85	3438.51	-466.01	-494.61	0.00	0.000	495.83	
6	4063.86	91.76	269.85	3515.00	-466.80	-798.70	10.00	0.000	799.92	
7	9219.92	91.76	269.85	3356.54	-480.17	-5952.30	0.00	0.000	5953.54	
8	9269.94	91.76	269.85	3355.00	-480.30	-6002.30	0.00	0.000	6003.54	



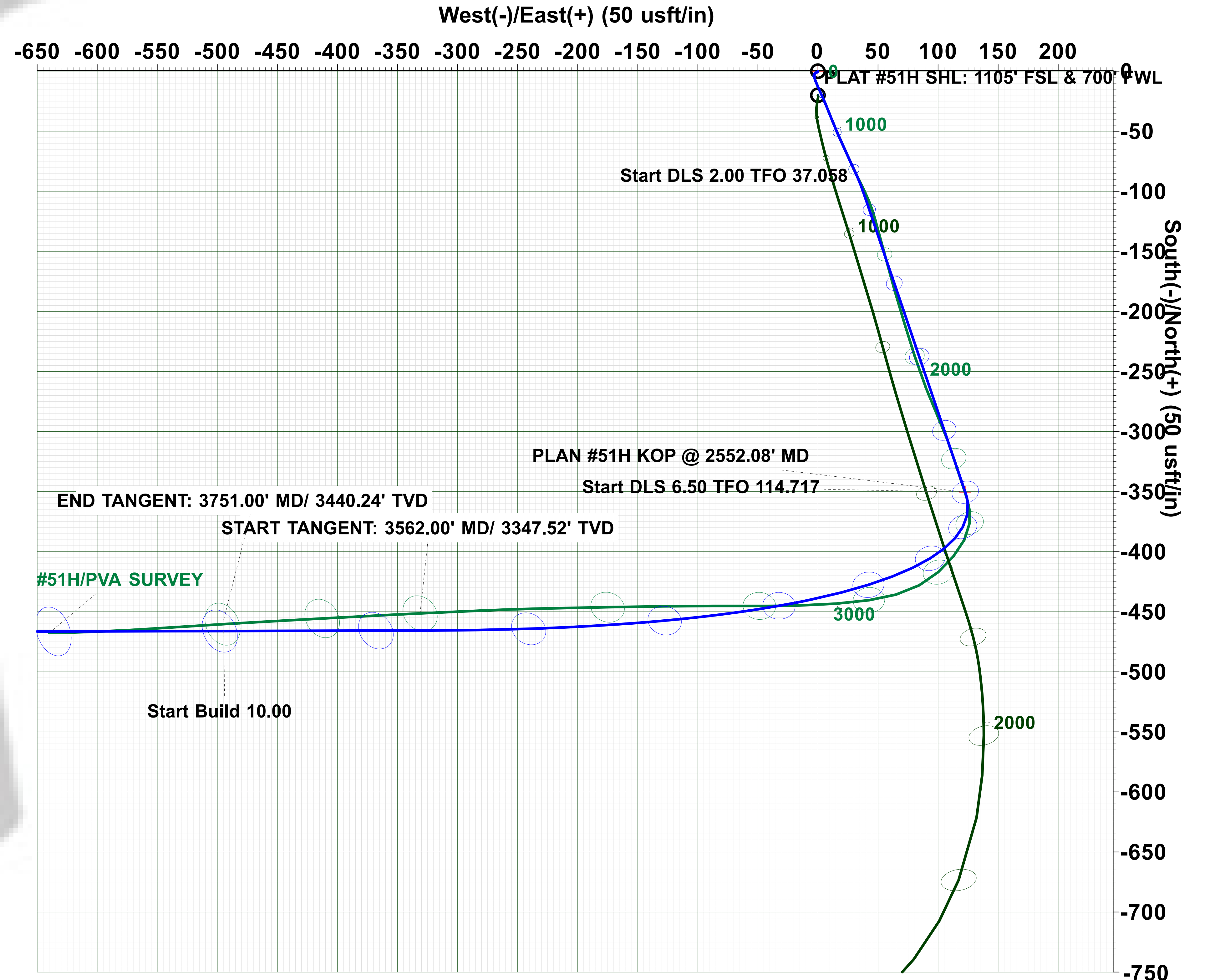
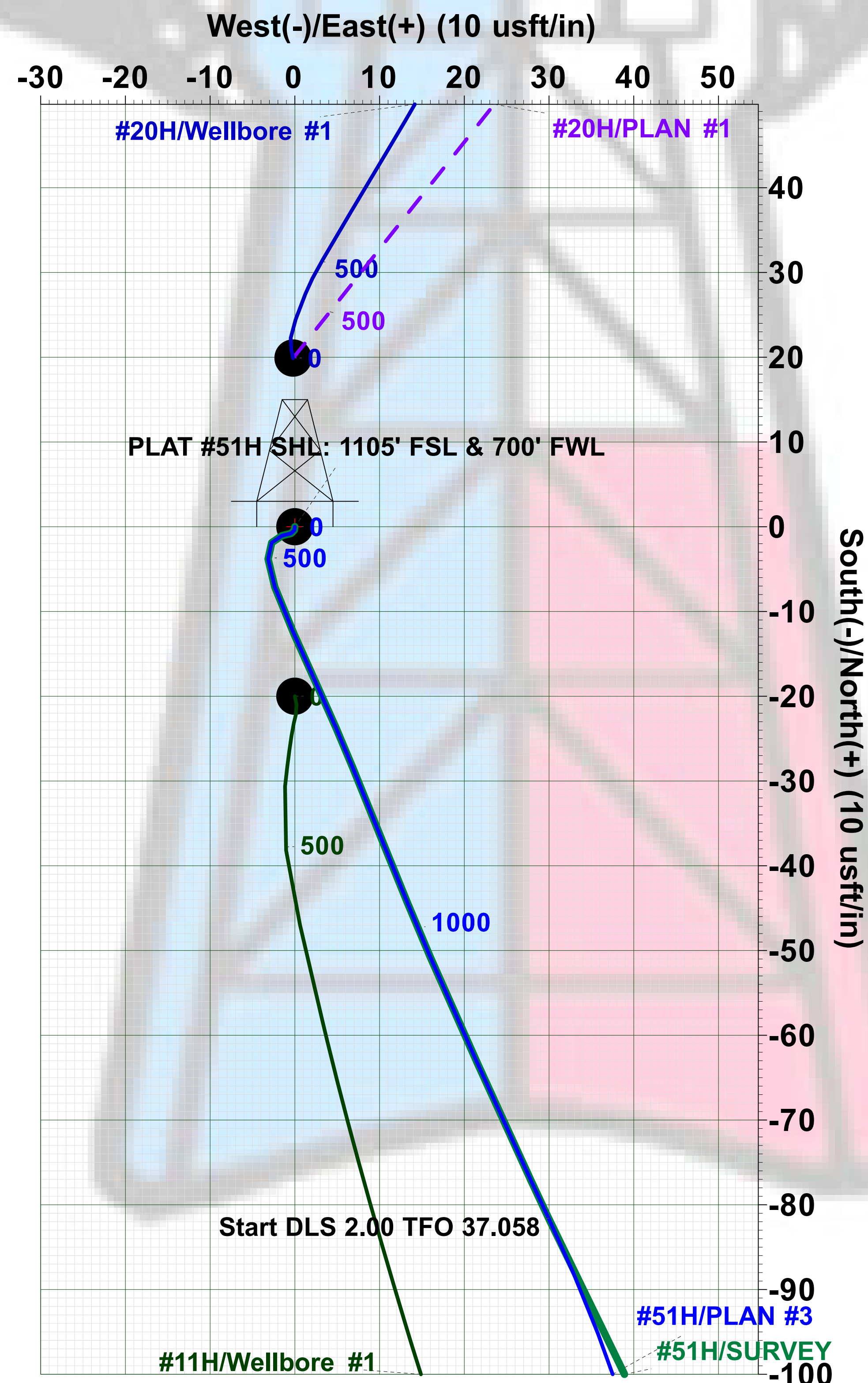
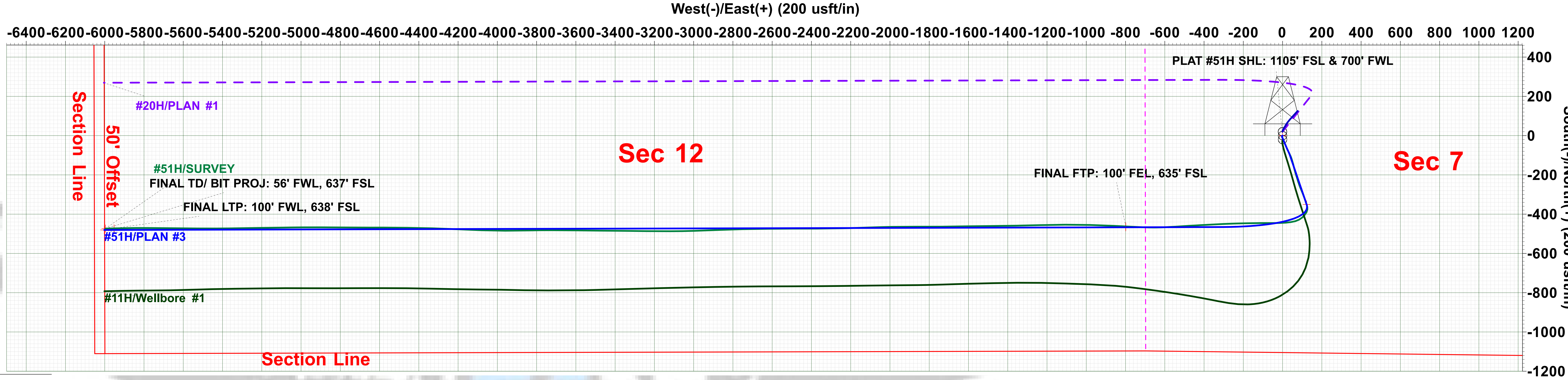
Azimuths to Grid North
True North: 0.05°
Magnetic North: 7.01°

Magnetic Field
Strength: 47657.2snT
Dip Angle: 60.17°
Date: 7/24/2021
Model: IGRF2020

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 LTP: 9226.17' MD/ 3364.24' TVD

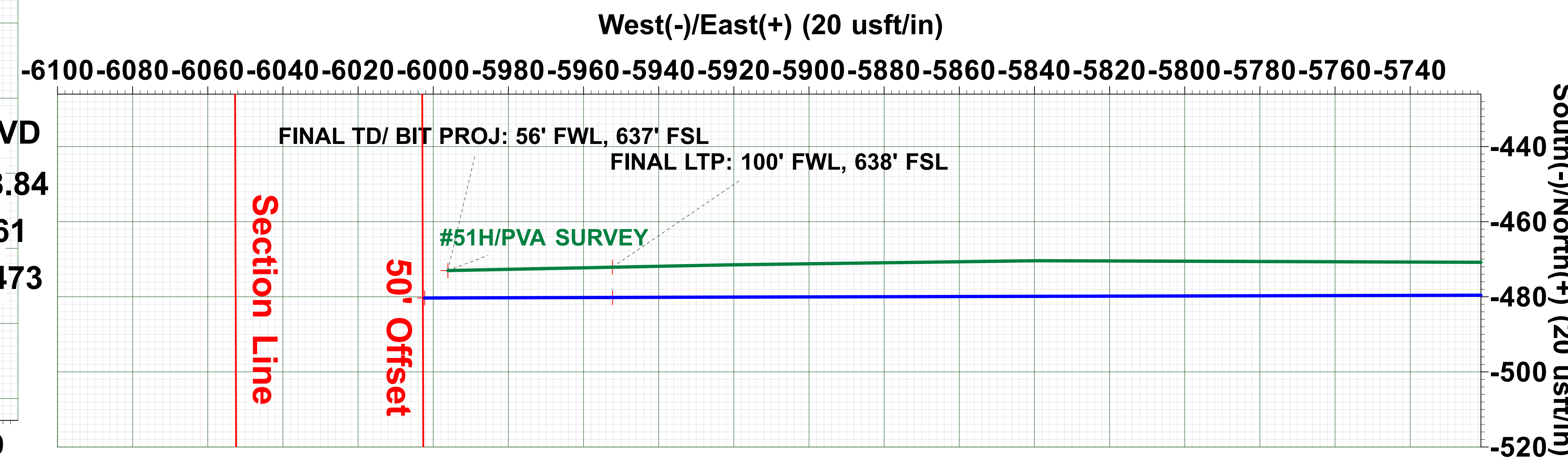
Projection to Bit: 9270.00' MD/ 3362.23' TVD

Final Station Closure Distance= 6014.72 /Direction= 268.84

TD: Y= 607328.50 / X= 506407.61

TD: Latitude= 32.6695403 / Longitude= -104.4468473

#51H/SURVEY



Plan: PLAN #3 (#51H/Wellbore #1) AKITA 57

Created By: Matthew May Date: 14:28, September 24 2021

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-48640		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN		
								3. State Oil & Gas Lease No.		
5. Lease Name or Unit Agreement Name ROSE SOUTH								6. Well Number: 51H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____										
8. Name of Operator SPUR ENERGY PARTNERS LLC						9. OGRID 328947				
10. Address of Operator 9655 KATY FREEWAY, SUITE 500, HOUSTON, TX 77024						11. Pool name or Wildcat PENASCO DRAW; SA-YESO (ASSOC)				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	4	7	19S	26E		1105	SOUTH	700	WEST	EDDY
BH:	M	12	19S	25E		637	SOUTH	56	WEST	EDDY
13. Date Spudded 08/10/2021	14. Date T.D. Reached 09/23/2021		15. Date Rig Released 09/25/2021		16. Date Completed (Ready to Produce) 11/03/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3386'GR		
18. Total Measured Depth of Well 3362'V/9270'M			19. Plug Back Measured Depth 3362'V/9270'M		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run GAMMA RAY		
22. Producing Interval(s), of this completion - Top, Bottom, Name										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
9-5/8"		36		1270'		12-1/4"		445 SXS (CIRC TO SURFACE)		0
7"		32		3808'		8-3/4"		1525 SXS (CIRC TO SURFACE)		0
5-1/2"		20		9270'		8-3/4"		1525 SXS (CIRC TO SURFACE)		0
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
					3-1/2"	3380'				
26. Perforation record (interval, size, and number) 10/18/2021 Pressure test csg to 6000# for 30 minutes, good test. 10/19/2021 RIH & cleanout to PBTD @ 9270'. RIH & perf from 4078'-9183', total 900 shots/ft @ 0.42 shot size. Frac in 25 stages w/ 12535488 gal slickwater and 5020340# sand. 10/28/2021 rig down wireline and cleanout. RIH & set 3-1/2" J-55 tbg @ 3380'.						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						4078'-9183'		12535488 GAL SLICKWATER & 5020340# SAND		
28. PRODUCTION										
Date First Production 12/05/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING ON ESP				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 01/19/2022	Hours Tested 24-HOURS	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 272	Gas - MCF 680	Water - Bbl. 3270	Gas - Oil Ratio			
Flow Tubing Press. 184	Casing Pressure 110	Calculated 24-Hour Rate	Oil - Bbl. 272	Gas - MCF 680	Water - Bbl. 3270	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) FLARED							30. Test Witnessed By JERRY MATHEWS			
31. List Attachments WBD, AS-DRILLED C-102, DIRECTIONAL AND FINAL C-104										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial: Latitude _____ Longitude _____ NAD83										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief Printed										
Signature <i>Sarah Chapman</i>		Name SARAH CHAPMAN			Title REGULATORY DIRECTOR			Date 06/30/2022		
E-mail Address		SCHAPMAN@SPURENERGY.COM								

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

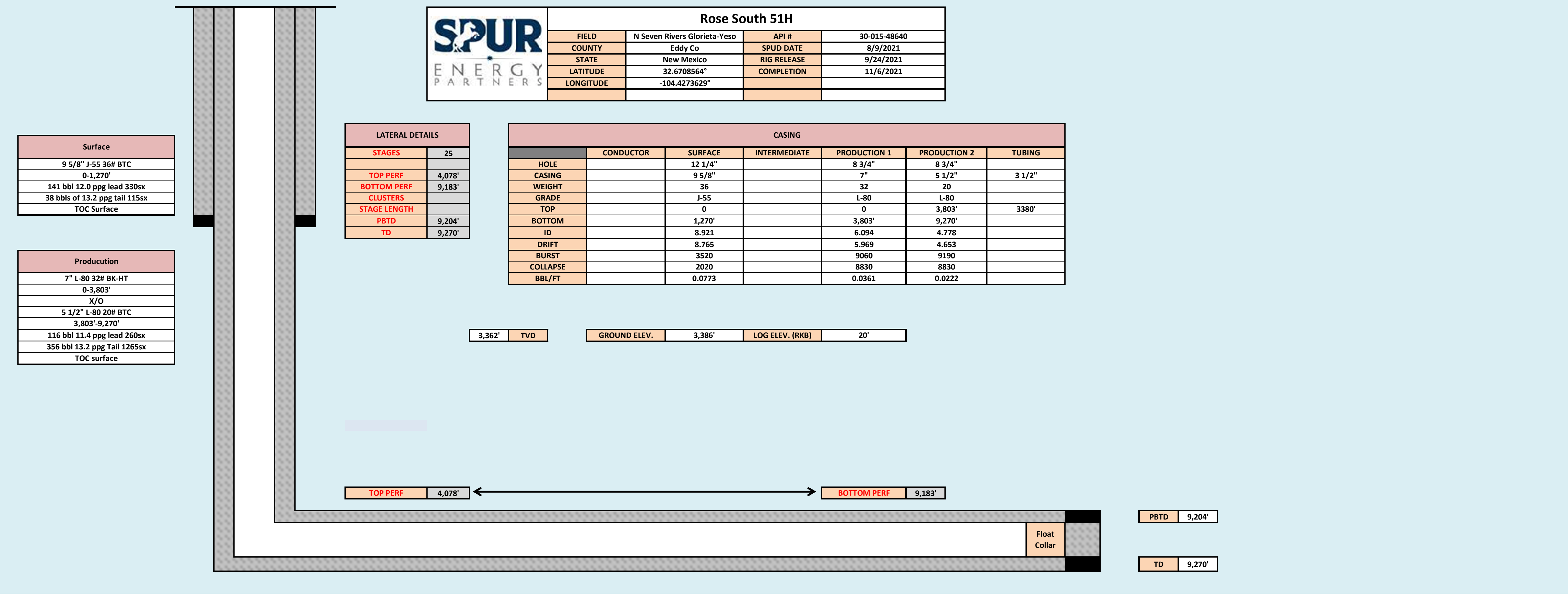
Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A "
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 915'	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 2460'	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T. YESO 2575'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology
915' 2460'	2460' 2575'	1545' 115'	DOLOMITE DOLOMITE



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 82370

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 82370
	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
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 82370

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 82370
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	6/30/2022