

☒ 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 30-015-45669
		³ Reason for Filing Code/ Effective Date NW 06/16/2021
⁴ API Number 30 - 0 15-45669	⁵ Pool Name N. SEVEN RIVERS; GLORIETA-YESO	⁶ Pool Code 97565
⁷ Property Code 325865	⁸ Property Name LAKEWOOD FEDERAL COM	⁹ Well Number 4H

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
O	27	19S	25E		645	SOUTH	2343	EAST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	34	19S	25E		52	SOUTH	1768	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/25/2021	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

FTP: 105' FNL 1762' FEL LTP: 52' FSL 1767' FEL

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	HOLLYFRONTIER REFINING & MARKETING 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201	O
147831	LUCID ENERGY DELAWARE, LLC 3100 MCKINNION ST., SUITE 800, DALLAS, TX 752001	G

IV. Well Completion Data

²¹ Spud Date 12/9/2020	²² Ready Date 02/23/2021	²³ TD 2892'V/8650'M	²⁴ PBTD 2892'V/8650'M	²⁵ Perforations 3448'-8551'	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	1247'		430 SXS (CIRC 38 BBL)
8-3/4"		7" 32# L-80 BK-HT	3009'		1170' SXS (CIRC 25 SXS)
8-3/4"		5-1/2" 20# L-80 BK-HT	8504'		1170' SXS (CIRC 25 SXS)
		3-1/2" J-55 TBG	3122'		

V. Well Test Data

³¹ Date New Oil 03/25/2021	³² Gas Delivery Date 03/25/2021	³³ Test Date 03/29/2021	³⁴ Test Length 24-HOUR	³⁵ Tbg. Pressure 340	³⁶ Csg. Pressure 185
³⁷ Choke Size NA	³⁸ Oil 226	³⁹ Water 2483	⁴⁰ Gas 180		⁴¹ Test Method PUMPING

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	
	Approved by: KURT SIMMONS	
	Title: NMOCD, SANTA FE	
	Approval Date: 08/16/2021	
E-mail Address: SCHAPMAN@SPUREPLLC.COM		Request for NMOCD extension of time to file BLM-approved 3160-4. Will file 3160-4 within 10 days to NMOCD upon approval.
Date: 06/16/2021	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, New Mexico 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

API Number 30-015-45669	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 325865	Property Name LAKEWOOD FEDERAL COM	Well Number 4H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3483'

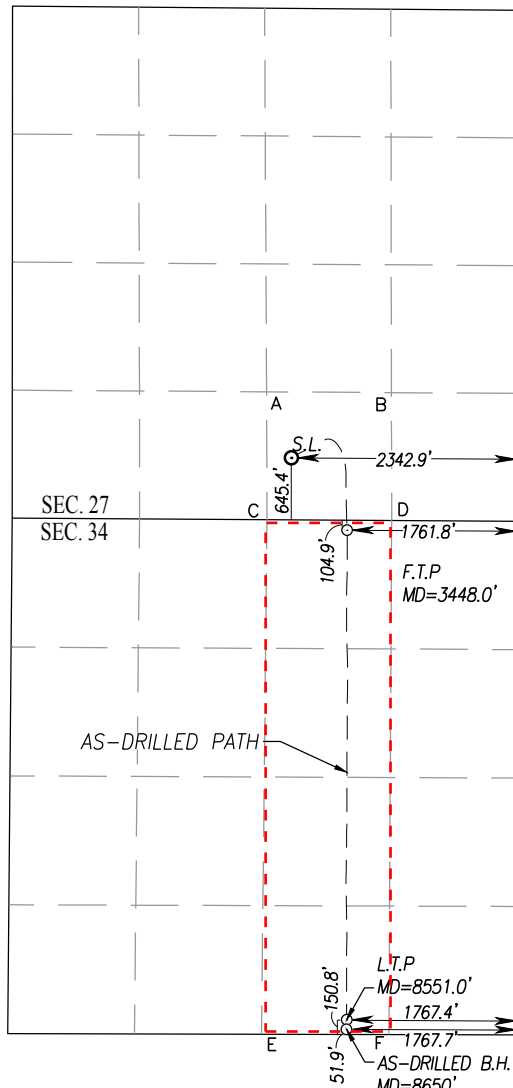
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	27	19-S	25-E		645.4	SOUTH	2342.9	EAST	EDDY

AS-Drilled 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
O	34	19-S	25-E		51.9	SOUTH	1767.7	EAST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



SCALE: 1"=2000'

GEODETIC COORDINATES	GEODETIC COORDINATES
NAD 83 NME	NAD 27 NME
SURFACE LOCATION	SURFACE LOCATION
Y=591573.1 N	Y=591512.3 N
X=498742.3 E	X=457563.8 E
LAT.=32.626208° N	LAT.=32.626095° N
LONG.=104.471691° W	LONG.=104.471172° W
FIRST TAKE POINT	FIRST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 590819.6 N	Y= 590758.8 N
X= 499322.5 E	X= 458144.0 E
LAT.=32.624139° N	LAT.=32.624026° N
LONG.=104.469803° W	LONG.=104.469284° W
CORNER COORDINATES TABLE	CORNER COORDINATES TABLE
NAD 83 NME	NAD 27 NME
A - Y= 592200.1 N, X= 457305.0 E	A - Y= 592200.1 N, X= 457305.0 E
B - Y= 592191.8 N, X= 458605.8 E	B - Y= 592191.8 N, X= 458605.8 E
C - Y= 590868.6 N, X= 457311.0 E	C - Y= 590868.6 N, X= 457311.0 E
D - Y= 590860.9 N, X= 458608.1 E	D - Y= 590860.9 N, X= 458608.1 E
E - Y= 585509.7 N, X= 457253.0 E	E - Y= 585509.7 N, X= 457253.0 E
F - Y= 585506.9 N, X= 458579.4 E	F - Y= 585506.9 N, X= 458579.4 E
CORNER COORDINATES TABLE	CORNER COORDINATES TABLE
NAD 83 NME	NAD 27 NME
A - Y= 592260.9 N, X= 498483.5 E	A - Y= 592260.9 N, X= 498483.5 E
B - Y= 592252.6 N, X= 499784.3 E	B - Y= 592252.6 N, X= 499784.3 E
C - Y= 590929.4 N, X= 498489.5 E	C - Y= 590929.4 N, X= 498489.5 E
D - Y= 590921.8 N, X= 499786.7 E	D - Y= 590921.8 N, X= 499786.7 E
E - Y= 585570.3 N, X= 498431.5 E	E - Y= 585570.3 N, X= 498431.5 E
F - Y= 585567.6 N, X= 499758.0 E	F - Y= 585567.6 N, X= 499758.0 E
LAST TAKE POINT	LAST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 585719.3 N	Y= 585658.6 N
X= 499317.4 E	X= 458138.9 E
LAT.=32.610120° N	LAT.=32.610007° N
LONG.=104.469799° W	LONG.=104.469279° W
AS-DRILLED	AS-DRILLED
BOTTOM HOLE LOCATION	BOTTOM HOLE LOCATION
NAD 83 NME	NAD 27 NME
Y= 585620.3 N	Y= 585559.7 N
X= 499317.2 E	X= 458138.7 E
LAT.=32.609848° N	LAT.=32.609735° N
LONG.=104.469799° W	LONG.=104.469279° W
NOTE AS-DRILLED BOTTOM HOLE, LAST TAKE POINT AND FIRST TAKE POINT PLOTTED FROM DATA FURNISHED BY WELLBENDERS DIRECTIONAL SERVICES REPORT DECEMBER 14, 2020.	

OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Sarah Chapman 3/22/2021
Signature Date

SARAH CHAPMAN

Printed Name

SCHAPMAN@SPUREPLLC.COM

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of a trip survey made by me or under my supervision and that the same is true and correct to the best of my belief.

Gary G. Eidson 03/19/2021
Date of Survey Signature
12641
REGISTERED PROFESSIONAL SURVEYOR

Signature of Seal of Professional Surveyor

Gary G. Eidson 03/19/2021
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REL. W.O.:21130031 JWSC W.O.: 21.13.0116



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Lakewood Unit

#4H

Wellbore #1

Survey: Survey #1

Standard Survey Report

14 December, 2020





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3503.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3503.00usft
Well:	#4H	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		Lakewood Unit			
Site Position: From: Position Uncertainty:		Northing:	591,671.59 usft	Latitude:	32.6264829
	Lat/Long	Easting:	499,869.66 usft	Longitude:	-104.4680295
	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-0.073 °

Well	#4H					
Well Position	+N/-S	0.00 usft	Northing:	591,573.10 usft	Latitude:	32.6262082
	+E/-W	0.00 usft	Easting:	498,742.30 usft	Longitude:	-104.4716910
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,483.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/11/20	7.044	60.246	47,737.60938845

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	180.30	

Survey Program	Date	12/14/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.00	8,650.00	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	
165.00	0.53	310.60	165.00	0.50	-0.58	-0.49	0.32	0.32	0.00	
286.00	1.05	18.54	285.99	1.91	-0.65	-1.91	0.81	0.43	56.15	
407.00	2.90	43.68	406.91	5.18	1.81	-5.19	1.65	1.53	20.78	
527.00	4.66	50.36	526.65	10.48	7.67	-10.52	1.51	1.47	5.57	
648.00	5.49	58.88	647.17	16.61	16.41	-16.70	0.92	0.69	7.04	
768.00	7.91	67.23	766.35	22.77	28.94	-22.92	2.17	2.02	6.96	
889.00	11.16	66.18	885.66	30.73	47.33	-30.97	2.69	2.69	-0.87	
1,011.00	14.73	63.81	1,004.54	42.34	72.06	-42.72	2.96	2.93	-1.94	
1,132.00	18.95	62.49	1,120.33	58.22	103.30	-58.76	3.50	3.49	-1.09	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3503.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3503.00usft
Well:	#4H	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)	
1,180.00	22.51	61.52	1,165.21	66.20	118.29	-66.82	7.45	7.42	-2.02	
1,310.00	25.63	60.20	1,283.89	92.05	164.58	-92.91	2.44	2.40	-1.02	
1,436.00	25.14	60.99	1,397.73	118.57	211.63	-119.68	0.47	-0.39	0.63	
1,561.00	25.19	63.45	1,510.87	143.34	258.65	-144.69	0.84	0.04	1.97	
1,688.00	25.45	62.75	1,625.67	167.91	307.09	-169.52	0.31	0.20	-0.55	
1,751.00	24.09	63.81	1,682.87	179.78	330.66	-181.51	2.27	-2.16	1.68	
1,813.00	20.84	68.64	1,740.16	189.39	352.29	-191.23	6.02	-5.24	7.79	
1,876.00	17.98	79.54	1,799.60	195.24	372.30	-197.19	7.31	-4.54	17.30	
1,939.00	18.42	94.13	1,859.48	196.29	391.80	-198.34	7.25	0.70	23.16	
2,002.00	19.43	107.66	1,919.10	192.39	411.72	-194.54	7.13	1.60	21.48	
2,065.00	21.49	118.47	1,978.14	183.71	431.86	-185.97	6.82	3.27	17.16	
2,128.00	22.90	128.32	2,036.49	170.60	451.63	-172.96	6.31	2.24	15.63	
2,191.00	24.57	137.37	2,094.18	153.36	470.13	-155.82	6.35	2.65	14.37	
2,254.00	26.51	144.75	2,151.04	132.23	487.12	-134.78	5.91	3.08	11.71	
2,317.00	29.41	150.38	2,206.69	107.29	502.88	-109.92	6.22	4.60	8.94	
2,380.00	32.04	155.56	2,260.85	78.62	517.45	-81.33	5.92	4.17	8.22	
2,443.00	34.55	158.73	2,313.51	46.75	530.84	-49.53	4.85	3.98	5.03	
2,506.00	35.38	162.51	2,365.14	12.71	542.81	-15.55	3.68	1.32	6.00	
2,569.00	37.27	166.81	2,415.91	-23.27	552.65	20.38	5.03	3.00	6.83	
2,632.00	39.87	171.91	2,465.17	-61.85	559.84	58.92	6.52	4.13	8.10	
2,695.00	43.30	174.46	2,512.29	-103.36	564.77	100.40	6.07	5.44	4.05	
2,758.00	45.32	177.36	2,557.37	-147.25	567.89	144.27	4.54	3.21	4.60	
2,821.00	48.62	178.86	2,600.36	-193.27	569.39	190.28	5.52	5.24	2.38	
2,884.00	52.84	179.47	2,640.23	-242.02	570.09	239.04	6.74	6.70	0.97	
2,947.00	57.54	179.65	2,676.18	-293.73	570.49	290.74	7.46	7.46	0.29	
3,011.00	60.79	179.29	2,708.98	-348.68	571.00	345.68	5.10	5.08	-0.56	
3,073.00	61.67	179.29	2,738.82	-403.02	571.67	400.02	1.42	1.42	0.00	
3,136.00	63.03	179.56	2,768.06	-458.82	572.23	455.82	2.19	2.16	0.43	
3,199.00	64.97	179.21	2,795.67	-515.44	572.84	512.43	3.12	3.08	-0.56	
3,262.00	69.89	177.98	2,819.85	-573.58	574.28	570.56	8.01	7.81	-1.95	
3,325.00	74.68	177.80	2,839.01	-633.53	576.49	630.50	7.61	7.60	-0.29	
3,387.00	77.85	177.89	2,853.73	-693.71	578.75	690.67	5.11	5.11	0.15	
3,451.00	81.67	178.94	2,865.10	-756.65	580.49	753.60	6.18	5.97	1.64	
3,514.00	86.07	180.09	2,871.83	-819.27	581.02	816.22	7.22	6.98	1.83	
3,598.00	90.24	179.47	2,874.53	-903.21	581.34	900.15	5.02	4.96	-0.74	
3,722.00	88.00	180.00	2,876.44	-1,027.18	581.92	1,024.12	1.86	-1.81	0.43	
3,847.00	88.35	180.35	2,880.42	-1,152.12	581.53	1,149.06	0.40	0.28	0.28	
3,973.00	88.88	181.76	2,883.46	-1,278.06	579.21	1,275.01	1.20	0.42	1.12	
4,099.00	89.23	180.09	2,885.54	-1,404.02	577.18	1,400.98	1.35	0.28	-1.33	
4,225.00	89.80	180.53	2,886.61	-1,530.01	576.50	1,526.97	0.57	0.45	0.35	
4,351.00	90.20	181.14	2,886.61	-1,656.00	574.66	1,652.97	0.58	0.32	0.48	
4,476.00	89.58	178.33	2,886.85	-1,780.98	575.24	1,777.95	2.30	-0.50	-2.25	
4,602.00	90.02	178.86	2,887.29	-1,906.95	578.33	1,903.89	0.55	0.35	0.42	
4,728.00	90.59	178.50	2,886.62	-2,032.91	581.23	2,029.84	0.54	0.45	-0.29	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3503.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3503.00usft
Well:	#4H	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)
4,855.00	91.56	178.94	2,884.24	-2,159.85	584.07	2,156.77	0.84	0.76	0.35
4,981.00	89.36	180.09	2,883.22	-2,285.83	585.14	2,282.74	1.97	-1.75	0.91
5,108.00	90.20	180.44	2,883.71	-2,412.83	584.55	2,409.74	0.72	0.66	0.28
5,234.00	91.30	181.32	2,882.06	-2,538.80	582.61	2,535.72	1.12	0.87	0.70
5,359.00	89.89	179.82	2,880.76	-2,663.78	581.37	2,660.70	1.65	-1.13	-1.20
5,486.00	90.99	180.44	2,879.79	-2,790.78	581.08	2,787.70	0.99	0.87	0.49
5,612.00	89.36	179.82	2,879.40	-2,916.77	580.80	2,913.69	1.38	-1.29	-0.49
5,738.00	90.90	180.88	2,879.12	-3,042.76	580.03	3,039.68	1.48	1.22	0.84
5,864.00	88.92	179.65	2,879.32	-3,168.75	579.44	3,165.67	1.85	-1.57	-0.98
5,990.00	89.80	180.53	2,880.72	-3,294.74	579.25	3,291.66	0.99	0.70	0.70
6,116.00	88.53	179.47	2,882.56	-3,420.72	579.25	3,417.64	1.31	-1.01	-0.84
6,235.00	89.36	179.82	2,884.75	-3,539.70	579.98	3,536.61	0.76	0.70	0.29
6,355.00	90.02	180.35	2,885.40	-3,659.70	579.81	3,656.61	0.71	0.55	0.44
6,476.00	90.24	180.79	2,885.13	-3,780.69	578.60	3,777.61	0.41	0.18	0.36
6,597.00	90.95	181.32	2,883.87	-3,901.66	576.37	3,898.59	0.73	0.59	0.44
6,718.00	89.67	180.44	2,883.21	-4,022.64	574.52	4,019.58	1.28	-1.06	-0.73
6,837.00	89.93	180.96	2,883.63	-4,141.63	573.06	4,138.57	0.49	0.22	0.44
6,959.00	90.51	181.14	2,883.16	-4,263.61	570.83	4,260.56	0.50	0.48	0.15
7,081.00	89.32	179.91	2,883.34	-4,385.60	569.71	4,382.56	1.40	-0.98	-1.01
7,201.00	90.15	179.65	2,883.90	-4,505.60	570.17	4,502.55	0.72	0.69	-0.22
7,323.00	89.10	178.68	2,884.70	-4,627.58	571.95	4,624.52	1.17	-0.86	-0.80
7,449.00	90.20	178.15	2,885.47	-4,753.53	575.43	4,750.45	0.97	0.87	-0.42
7,575.00	87.47	179.82	2,888.03	-4,879.46	577.66	4,876.37	2.54	-2.17	1.33
7,701.00	88.79	180.35	2,892.14	-5,005.39	577.48	5,002.30	1.13	1.05	0.42
7,825.00	89.76	180.61	2,893.71	-5,129.38	576.44	5,126.29	0.81	0.78	0.21
7,952.00	90.73	180.96	2,893.16	-5,256.36	574.70	5,253.28	0.81	0.76	0.28
8,078.00	88.75	179.65	2,893.74	-5,382.35	574.03	5,379.27	1.88	-1.57	-1.04
8,202.00	89.45	179.91	2,895.68	-5,506.33	574.50	5,503.25	0.60	0.56	0.21
8,327.00	90.11	179.82	2,896.16	-5,631.33	574.80	5,628.24	0.53	0.53	-0.07
8,453.00	90.81	179.73	2,895.15	-5,757.33	575.29	5,754.23	0.56	0.56	-0.07
8,579.00	91.12	180.26	2,893.03	-5,883.31	575.30	5,880.21	0.49	0.25	0.42
8,597.00	91.25	180.17	2,892.66	-5,901.30	575.24	5,898.21	0.88	0.72	-0.50
8,650.00	91.25	180.17	2,891.50	-5,954.29	575.08	5,951.20	0.00	0.00	0.00
TD: Y= 585618.81 / X= 499317.38 - Final Station Closure Distance= 5982.00 /Direction= 174.48 - Projection to Bit: 8650.0									



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3503.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3503.00usft
Well:	#4H	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
#4H FTP/ 100' FNL @ - survey hits target center - Point	0.00	0.00	2,863.97	-749.15	580.35	590,823.95	499,322.65	32.6241511	-104.4698028
#4H Final Bit Proj @ 8 - survey hits target center - Point	0.00	0.00	2,891.50	-5,954.29	575.08	585,618.81	499,317.38	32.6098435	-104.4697982
#4H LTP/ 100' FSL @ - survey misses target center by 3.23usft at 8597.00usft MD (2892.66 TVD, -5901.30 N, 575.24 E) - Point	0.00	360.00	2,892.59	-5,904.53	575.23	585,668.57	499,317.53	32.6099803	-104.4697979

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,650.00	2,891.50	-5,954.29	575.08	TD: Y= 585618.81 / X= 499317.38
8,650.00	2,891.50	-5,954.29	575.08	Final Station Closure Distance= 5982.00 /Direction= 174.48
8,650.00	2,891.50	-5,954.29	575.08	Projection to Bit: 8650.00' MD/ 2891.50' TVD
8,650.00	2,891.50	-5,954.29	575.08	TD: Latitude= 32.6098435 / Longitude= -104.4697982

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Lakewood Unit
Well: #4H
Wellbore: Wellbore #1
Rig:
Design: Plan #2 / 9:23, December 14 2020



WELL DETAILS: #4H

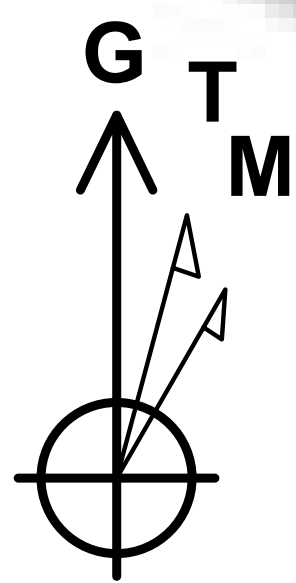
RKB = 20' @ 3503.00usft
3483.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	591573.10	498742.30	32.6262082	-104.4716910

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lakewood 4H SHL: 645.4' FSL & 2342.9' FEL	0.00	0.00	0.00	591573.10	498742.30	32.6262082	-104.4716910
Lakewood 4H KOP: 832' FSL & 2011 FEL	1687.39	184.88	331.37	591757.98	499073.67	32.6267175	-104.4706155
#4H FTP/ 100' FNL @ 3443.41' MD	2863.97	-749.15	580.35	590823.95	499322.65	32.6241510	-104.4698028
Lakewood 4H FTP (100' FNL)	2875.00	-749.20	584.00	590823.90	499326.30	32.6241509	-104.4697910
#4H Final Bit Proj @ 8650' MD (50' FSL)	2891.50	-5954.29	575.08	585618.81	499317.38	32.6098435	-104.4697982
#4H LTP/ 100' FSL @ 8600.23' MD	2892.59	-5904.53	575.23	585668.57	499317.53	32.6099803	-104.4697980
Lakewood 4H LTP (100' FSL)	2892.99	-5904.28	557.02	585668.82	499299.32	32.6099809	-104.4698571
Lakewood 4H PBHL: 50' FSL	2893.17	-5954.28	556.76	585618.82	499299.06	32.6098435	-104.4698577

CORRECTION REFERENCE DATA:
To convert a Magnetic Direction to a Grid Direction, Add 7.118°
To convert a True Direction to a Grid Direction, Add 0.075°
To convert a Magnetic Direction to a True Direction, Add 7.044° East
Magnetic Declination: 7.044°
Magnetic Dip Angle: 60.246°
Magnetic Field Strength: 47737.60938845nT



Azimuths to Grid North
True North: 0.07°
Magnetic North: 7.12°

Magnetic Field
Strength: 47737.6snT
Dip Angle: 60.25°
Date: 10/11/2020
Model: IGRF2015

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00
3	1383.52	24.38	60.84	1351.12	110.63	198.29	2.25	-111.66
4	1752.71	24.38	60.84	1687.39	184.88	331.37	0.00	-186.61
5	2982.08	60.00	180.30	2698.24	-291.52	586.40	6.00	288.45
6	3182.08	60.00	180.30	2798.24	-464.73	585.49	0.00	461.65
7	3480.08	89.80	180.30	2875.00	-749.20	584.00	10.00	746.13
8	8635.26	89.80	180.30	2892.99	-5904.28	557.02	0.00	5901.28
9	8685.26	89.80	180.30	2893.17	-5954.28	556.76	0.00	5951.28

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

TD: Latitude= 32.6098435 / Longitude= -104.4697982

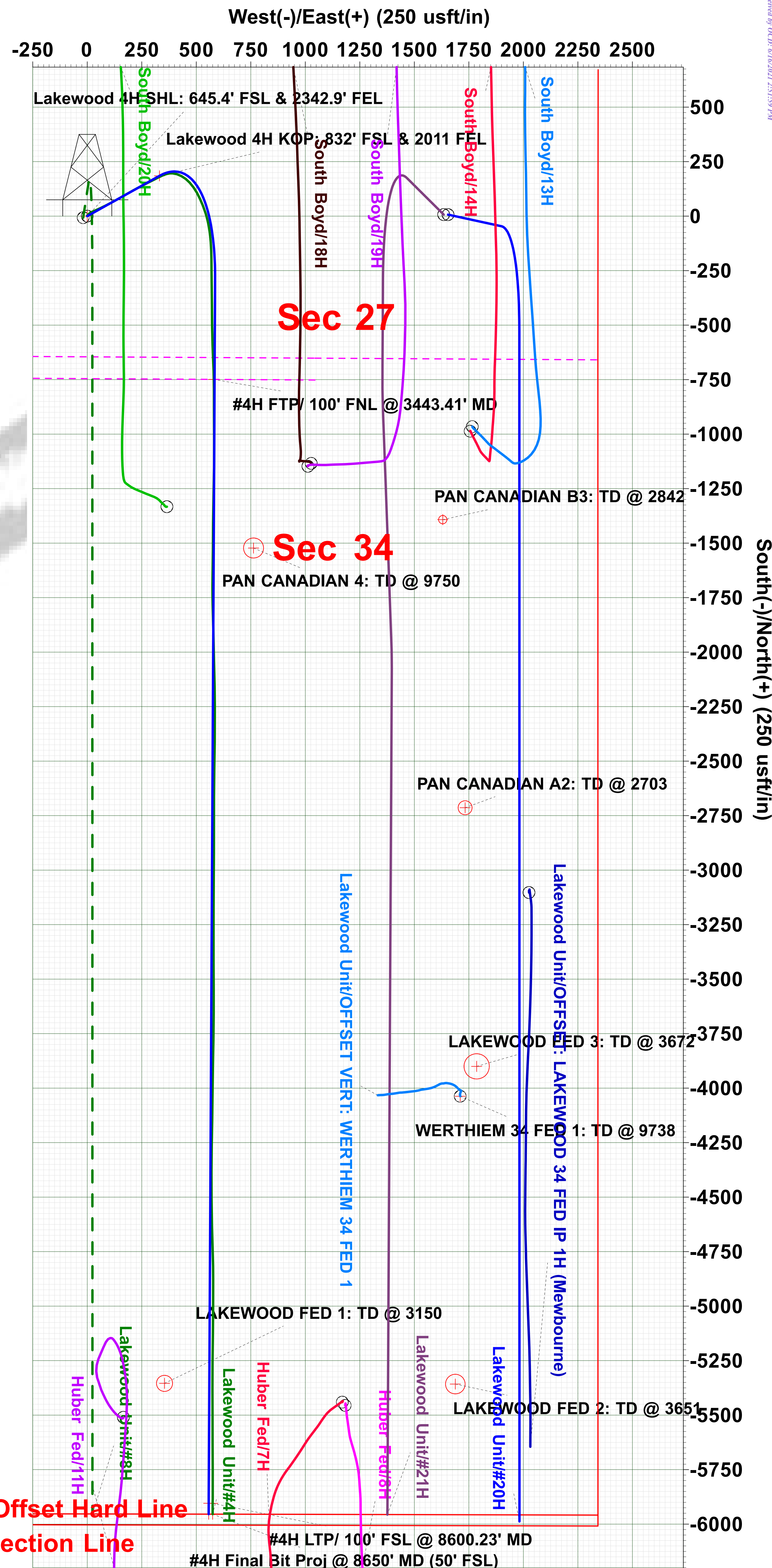
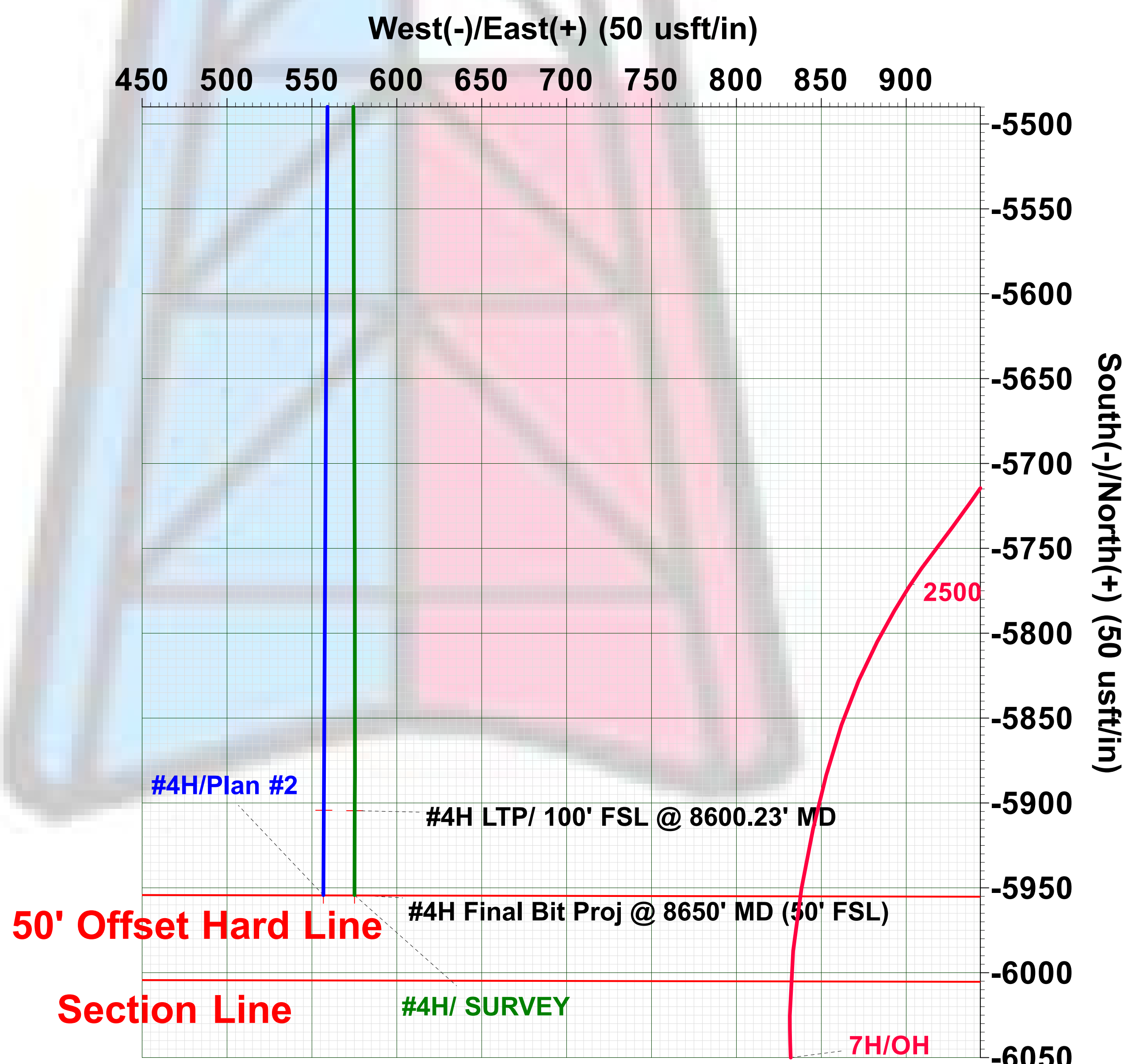
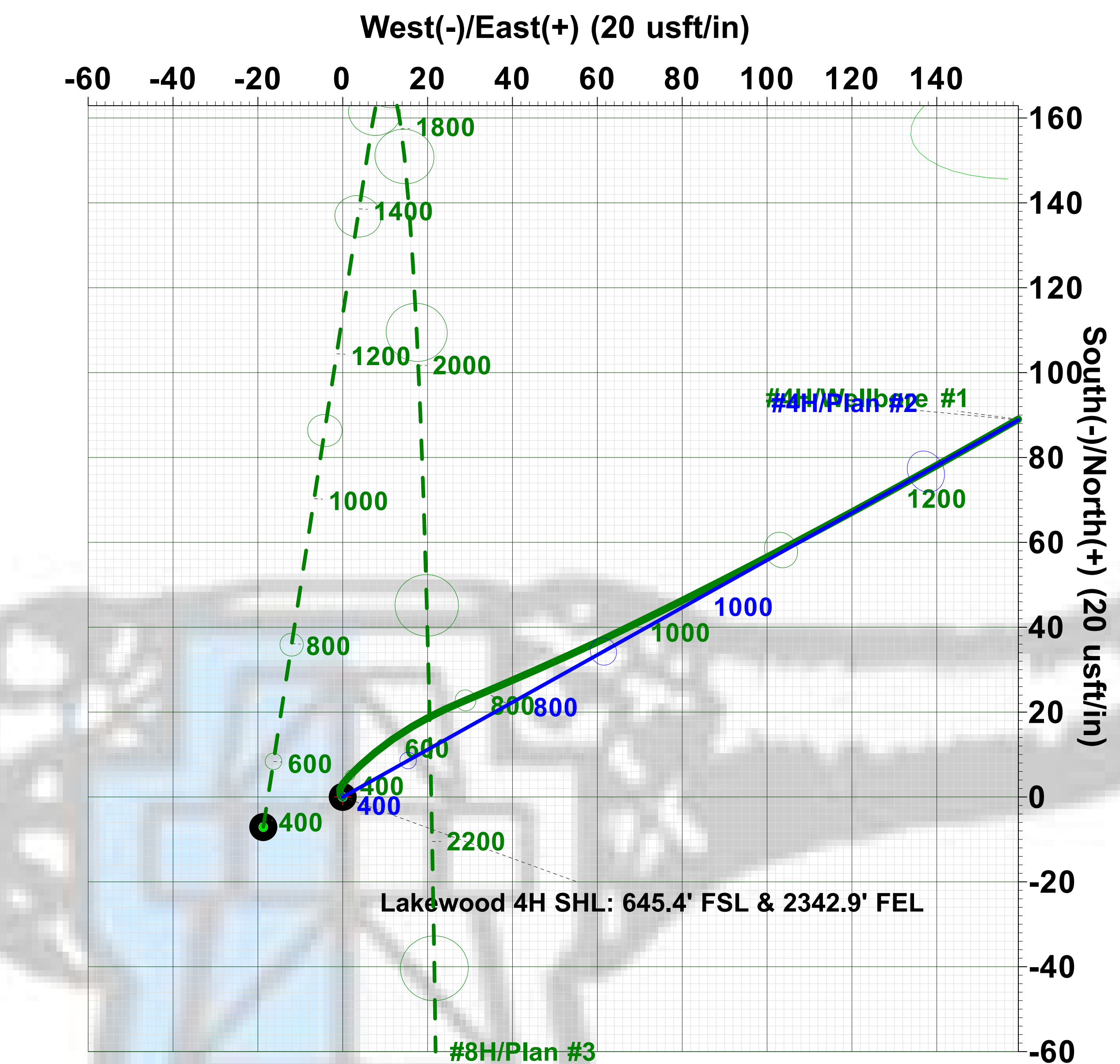
Projection to Bit: 8650.00' MD/ 2891.50' TVD

Final Station Closure Distance= 5982.00 /Direction= 174.48

TD: Y= 585618.81 / X= 499317.38

#4H Final Bit Proj @ 8650' MD (50' FSL)

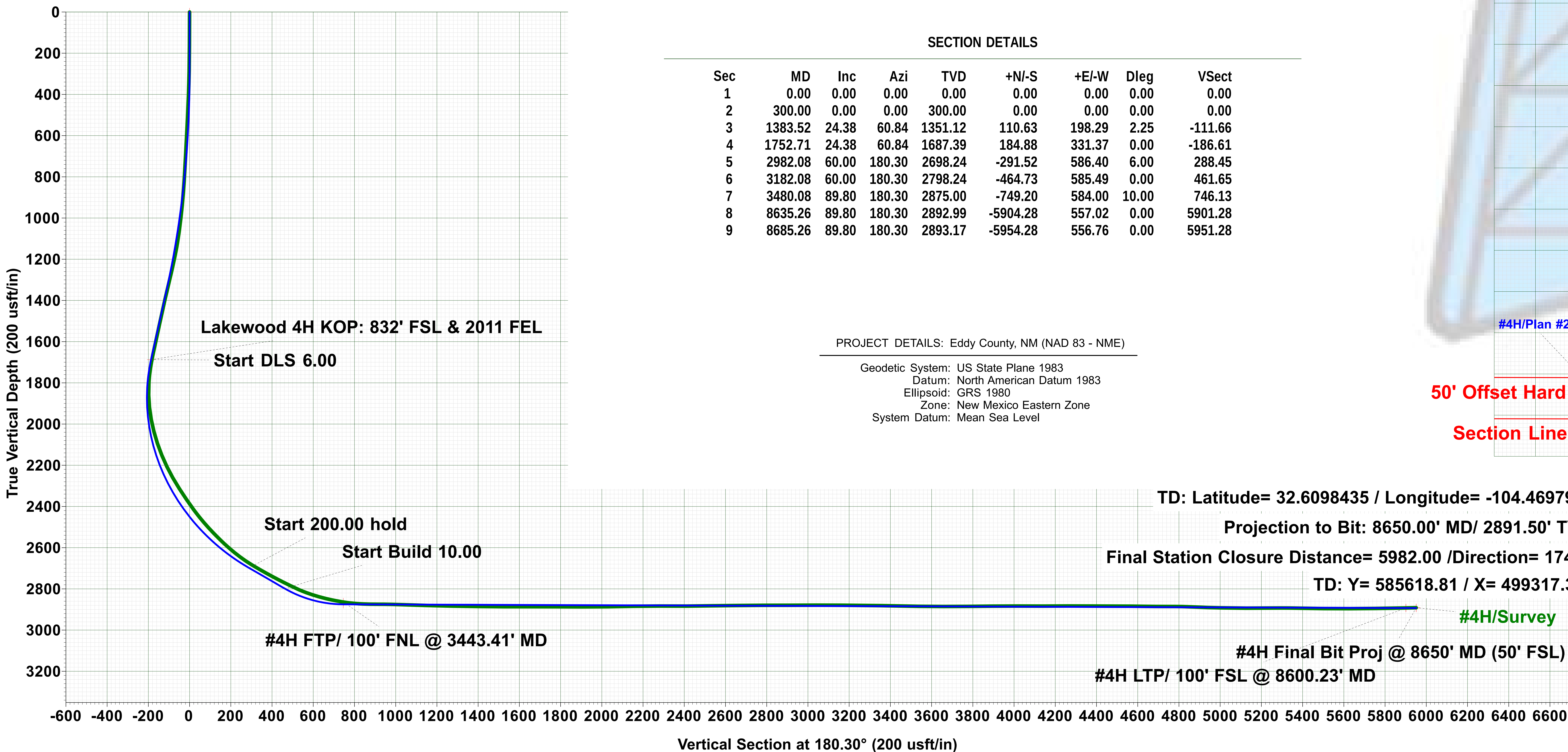
#4H LTP/ 100' FSL @ 8600.23' MD



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

Plan: Plan #2 (#4H/Wellbore #1)

Created By: Matthew May Date: 9:23, December 14 2020





I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/09/20** thru **12/14/20** conduct or supervise the taking of a **MWD Survey** from a depth of **165'** to a depth of **8650'**; 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 **Lakewood Fed Com 4H** API No. **30-015-45669** 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*

Well Name: LAKEWOOD FEDERAL COM	Well Location: T19S / R25E / SEC 27 / SWSE / 32.625801 / -104.469571	County or Parish/State: EDDY / NM
Well Number: 4H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0504364B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545669	Well Status: Drilling Well	Operator: PERCUSSION PETROLEUM OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 03/15/2021	Time Sundry Submitted: 09:02
Date Operation Actually Began: 03/01/2021	
Actual Procedure: RUPU 3/1/2021. RIH & cleanout to PBTD @ 8650'. Pressure test csg to 6000# for 30 minutes, good test. RIH & perf from 8551-8380, 8346-8174, 8140-7969, 7935-7763, 7729-7558, 7524-7352, 7318-7147, 7113-6941, 6907-6736, 6702-6530, 6496-6325, 6291-6119, 6085-5914, 5880-5708, 5674-5503, 5469-5297, 5263-5092, 5058-4886, 4852-4681, 4647-4475, 4441-4270, 4236-4064, 4030-3859, 3825-3653, 3619-3448. Frac in 25 stages w/ 12622806gal slickwater and 4998090# sand. 3/8/2021 rig down and cleanout.	

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: CHAPMAN	Signed on: MAR 15, 2021 09:02 AM
Name: PERCUSSION PETROLEUM OPERATING LLC	
Title: Regulatory Directory	
Street Address: 919 Milam Street, Suite 2475	
City: Houston	State: TX
Phone: (713) 589-2337	
Email address: NOT ENTERED	

Field Representative

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

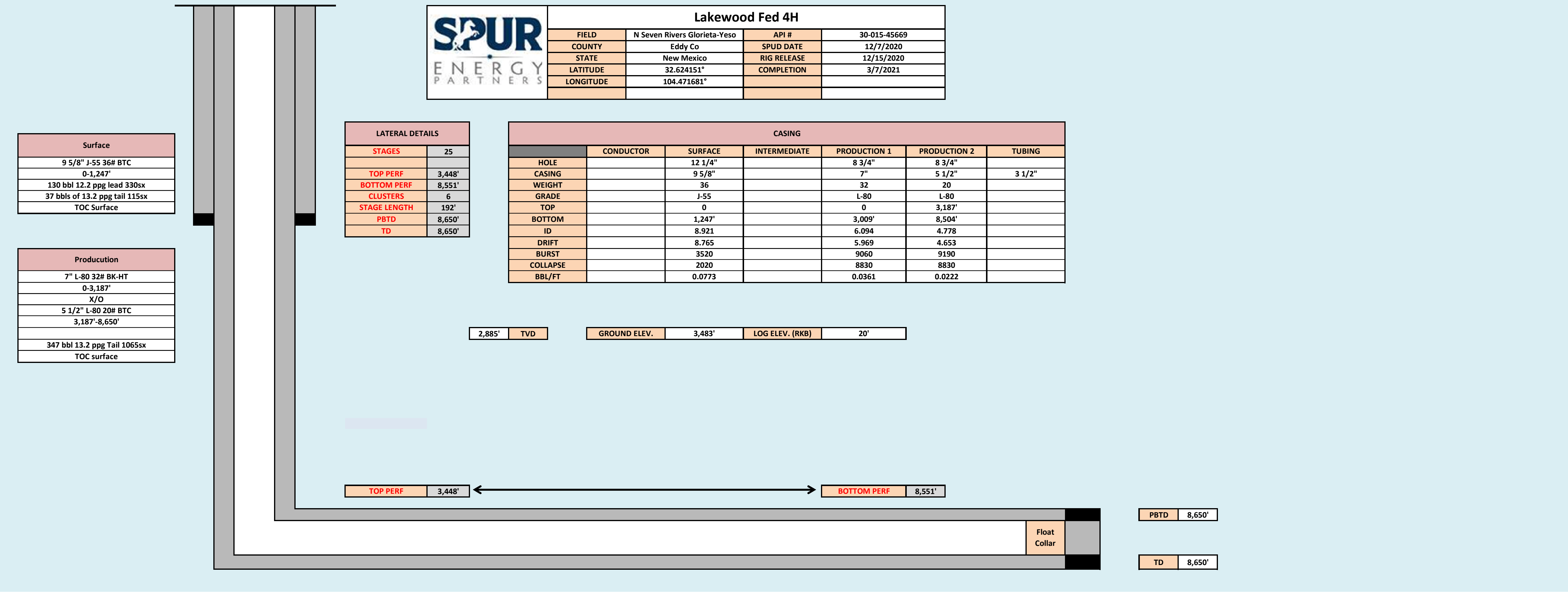
Received by OCD: 6/16/2021 2:51:59 PM

Page 11 of 14

Well Name: LAKEWOOD FEDERAL COM	Well Location: T19S / R25E / SEC 27 / SWSE / 32.625801 / -104.469571	County or Parish/State: EDDY / NM
Well Number: 4H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM0504364B	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001545669	Well Status: Drilling Well	Operator: PERCUSSION PETROLEUM OPERATING 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: 03/19/2021
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 32393

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32393
	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 32393

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32393
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	8/16/2021