

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	
⁴ API Number 30 - 015-45680	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 20H

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
P	27	19S	25E		662	SOUTH	688	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
P	34	19S	25E		52	SOUTH	369	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters

FTP: 334' FNL 364' FEL LTP: 153' FSL 367' 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 DELWARE, LLC 3100 MCKINNION ST., SUITE 800, DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 12/23/2020	²² Ready Date 02/23/2021	²³ TD 3111'V/8569'M	²⁴ PBTD 3111'V/8569'M	²⁵ Perforations 3601'-8468'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12-1/4"		9-5/8" 36# J-55 BTC		1270'	
8-3/4"		7" 32# L-80 BK-HT		3263'	
8-3/4"		5-1/2" 20# L-80 BK-HT		8565'	

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: Sarah Chapman			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: 06/16/201		
Date: 03/15/2021		Phone: 832-930-8613		RT C104 EXPIRES 09/16/2021	

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, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

X AMENDED REPORT

As-Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45680	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 325865	Property Name LAKEWOOD FEDERAL COM	Well Number 20H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3499'

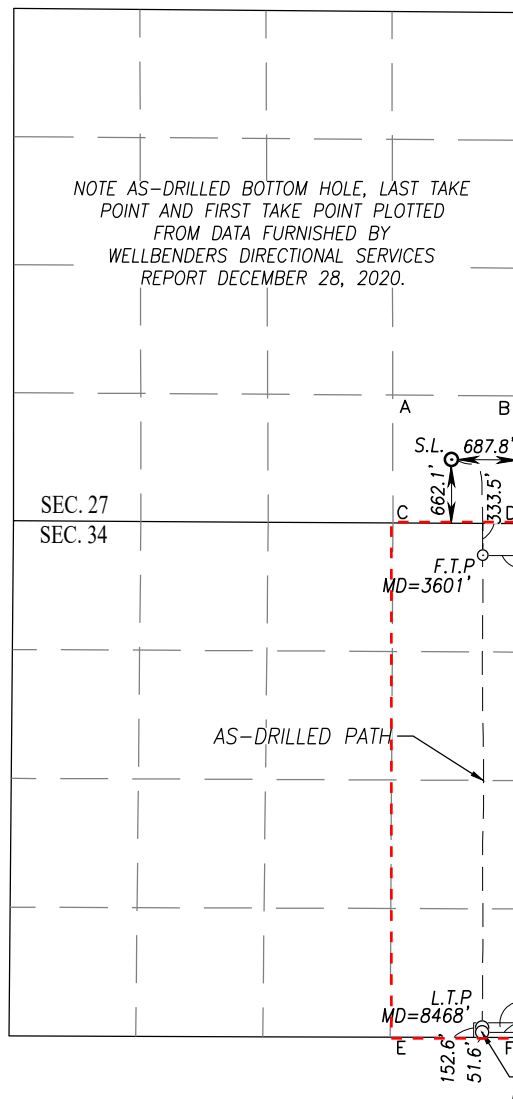
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	27	19-S	25-E		662.1	SOUTH	687.8	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
P	34	19-S	25-E		51.6	SOUTH	368.9	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=591580.1 N	Y=591519.2 N
X=500397.0 E	X=459218.4 E
LAT.=32.626233° N	LAT.=32.626120° N
LONG.=104.466316° W	LONG.=104.465797° W
FIRST TAKE POINT	FIRST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 590582.8 N	Y= 590522.0 N
X= 500720.5 E	X= 459541.9 E
LAT.=32.623493° N	LAT.=32.623380° N
LONG.=104.465261° W	LONG.=104.464742° W

CORNER COORDINATES TABLE

NAD 27 NME

A - Y= 592191.8 N, X= 458605.8 E
B - Y= 592183.5 N, X= 459906.7 E
C - Y= 590860.9 N, X= 458608.1 E
D - Y= 590853.2 N, X= 459905.3 E
E - Y= 585506.9 N, X= 458579.4 E
F - Y= 585504.1 N, X= 459905.8 E

CORNER COORDINATES TABLE

NAD 83 NME

A - Y= 592252.7 N, X= 499784.3 E
B - Y= 592244.4 N, X= 501085.2 E
C - Y= 590921.8 N, X= 499786.7 E
D - Y= 590914.1 N, X= 501083.9 E
E - Y= 585567.6 N, X= 499758.0 E
F - Y= 585564.8 N, X= 501084.4 E

LAST TAKE POINT

NAD 83 NME

Y= 585718.1 N
X= 500717.1 E
LAT.=32.610121° N
LONG.=104.465253° W

AS-DRILLED
BOTTOM HOLE LOCATION

NAD 83 NME

Y= 585617.2 N
X= 500715.6 E
LAT.=32.609844° N
LONG.=104.465257° W

LAST TAKE POINT

NAD 27 NME

Y= 585657.5 N
X= 459538.5 E
LAT.=32.610008° N
LONG.=104.464734° W

AS-DRILLED
BOTTOM HOLE LOCATION

NAD 27 NME

Y= 585556.5 N
X= 459537.0 E
LAT.=32.609731° N
LONG.=104.464738° W

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 3/15/2021
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 actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

OCTOBER 9, 2020

Date of Survey
Signature & Seal of Professional Surveyor:

Gary G. Eidson 3/09/2021

Certificate Number	Gary G. Eidson	12641
	Ronald J. Eidson	3239

LSL	REL. W.O.: 21.13.0032	JWSC W.O.: 21.13.0098
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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/23/20** thru **12/28/20** conduct or supervise the taking of a **MWD Survey** from a depth of **165'** to a depth of **8569'**; 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 20H** API No. **30-015-45680** 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)

Lakewood Unit

#20H

Wellbore #1

Survey: Survey #1

Standard Survey Report

28 December, 2020



Wellbenders Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#20H	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:		Northing:	591,671.59 usft	Latitude:	32.6264829
From:	Lat/Long	Easting:	499,869.66 usft	Longitude:	-104.4680295
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	-0.073 °

Well	#20H					
Well Position	+N/-S	0.00 usft	Northing:	591,580.10 usft	Latitude:	32.6262333
	+E/-W	0.00 usft	Easting:	500,397.00 usft	Longitude:	-104.4663163
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,499.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/5/2020	7.043	60.247	47,739.77511816

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	179.99	

Survey Program	Date	12/28/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
165.00	8,569.00	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	1.01	0.08	164.99	1.45	0.00	-1.45	0.61	0.61	0.00	
285.00	1.19	49.74	284.97	3.32	0.95	-3.32	0.78	0.15	41.38	
403.00	2.37	82.70	402.92	4.42	4.31	-4.42	1.29	1.00	27.93	
523.00	5.63	101.51	522.61	3.56	12.54	-3.56	2.89	2.72	15.67	
644.00	8.13	107.49	642.73	-0.20	26.52	0.20	2.15	2.07	4.94	
765.00	8.31	108.63	762.49	-5.56	42.97	5.57	0.20	0.15	0.94	
886.00	8.40	109.16	882.20	-11.26	59.60	11.27	0.10	0.07	0.44	
1,009.00	8.44	108.98	1,003.88	-17.14	76.62	17.15	0.04	0.03	-0.15	
1,131.00	8.35	109.60	1,124.57	-23.02	93.43	23.04	0.10	-0.07	0.51	



Wellbenders Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#20H	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)
1,204.00	8.48	109.07	1,196.79	-26.56	103.51	26.58	0.21	0.18	-0.73
1,310.00	8.92	110.65	1,301.57	-32.01	118.59	32.03	0.47	0.42	1.49
1,436.00	11.25	103.36	1,425.62	-38.30	139.69	38.32	2.11	1.85	-5.79
1,562.00	11.74	94.65	1,549.10	-42.18	164.43	42.21	1.43	0.39	-6.91
1,688.00	10.11	95.88	1,672.81	-44.35	188.21	44.38	1.31	-1.29	0.98
1,814.00	8.66	95.45	1,797.12	-46.38	208.65	46.42	1.15	-1.15	-0.34
1,940.00	8.48	101.77	1,921.72	-49.18	227.19	49.22	0.76	-0.14	5.02
2,066.00	9.93	104.67	2,046.09	-53.83	246.80	53.87	1.21	1.15	2.30
2,129.00	10.29	110.56	2,108.11	-57.18	257.32	57.22	1.74	0.57	9.35
2,192.00	10.29	124.71	2,170.11	-62.36	267.22	62.41	4.00	0.00	22.46
2,255.00	12.57	142.03	2,231.88	-70.97	276.07	71.02	6.50	3.62	27.49
2,318.00	15.30	152.40	2,293.03	-83.75	284.14	83.80	5.86	4.33	16.46
2,381.00	18.33	157.85	2,353.33	-100.29	291.72	100.34	5.42	4.81	8.65
2,444.00	21.27	163.91	2,412.60	-120.45	298.63	120.51	5.69	4.67	9.62
2,507.00	24.48	168.22	2,470.65	-144.22	304.46	144.27	5.74	5.10	6.84
2,570.00	29.54	171.12	2,526.76	-172.36	309.53	172.41	8.30	8.03	4.60
2,633.00	31.25	175.51	2,581.10	-204.00	313.21	204.06	4.45	2.71	6.97
2,697.00	34.37	177.53	2,634.89	-238.61	315.28	238.67	5.17	4.87	3.16
2,760.00	38.20	178.50	2,685.66	-275.86	316.56	275.92	6.15	6.08	1.54
2,823.00	41.89	179.73	2,733.88	-316.38	317.17	316.44	5.99	5.86	1.95
2,886.00	45.89	178.94	2,779.28	-360.05	317.69	360.10	6.41	6.35	-1.25
2,948.00	49.89	177.97	2,820.85	-406.02	318.94	406.07	6.56	6.45	-1.56
3,011.00	54.68	178.50	2,859.37	-455.81	320.47	455.87	7.63	7.60	0.84
3,075.00	59.34	178.77	2,894.21	-509.47	321.74	509.52	7.29	7.28	0.42
3,138.00	60.88	178.41	2,925.61	-564.07	323.09	564.12	2.49	2.44	-0.57
3,201.00	62.46	178.41	2,955.50	-619.50	324.63	619.56	2.51	2.51	0.00
3,264.00	63.91	178.33	2,983.92	-675.70	326.23	675.76	2.30	2.30	-0.13
3,327.00	67.74	178.68	3,009.72	-733.14	327.72	733.20	6.10	6.08	0.56
3,390.00	70.59	180.17	3,032.12	-792.01	328.31	792.07	5.03	4.52	2.37
3,453.00	74.46	181.84	3,051.04	-852.08	327.24	852.14	6.64	6.14	2.65
3,516.00	78.99	181.49	3,065.50	-913.36	325.46	913.41	7.21	7.19	-0.56
3,579.00	83.69	181.40	3,074.98	-975.60	323.89	975.66	7.46	7.46	-0.14
3,641.00	87.21	180.08	3,079.90	-1,037.39	323.10	1,037.45	6.06	5.68	-2.13
3,726.00	88.53	179.20	3,083.06	-1,122.33	323.63	1,122.38	1.87	1.55	-1.04
3,849.00	89.67	179.56	3,084.99	-1,245.30	324.96	1,245.36	0.97	0.93	0.29
3,975.00	90.07	179.91	3,085.28	-1,371.30	325.55	1,371.36	0.42	0.32	0.28
4,101.00	91.08	180.26	3,084.01	-1,497.29	325.36	1,497.35	0.85	0.80	0.28
4,227.00	90.81	180.44	3,081.94	-1,623.27	324.59	1,623.33	0.26	-0.21	0.14
4,353.00	90.51	180.52	3,080.49	-1,749.26	323.53	1,749.32	0.25	-0.24	0.06
4,479.00	89.93	180.96	3,080.00	-1,875.25	321.91	1,875.30	0.58	-0.46	0.35
4,605.00	89.23	180.70	3,080.92	-2,001.23	320.08	2,001.29	0.59	-0.56	-0.21
4,731.00	89.19	180.00	3,082.66	-2,127.21	319.31	2,127.27	0.56	-0.03	-0.56
4,857.00	89.01	178.77	3,084.64	-2,253.19	320.66	2,253.25	0.99	-0.14	-0.98
4,983.00	89.76	179.20	3,085.99	-2,379.16	322.89	2,379.22	0.69	0.60	0.34



Wellbenders Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#20H	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)
5,109.00	90.81	179.82	3,085.37	-2,505.15	323.97	2,505.21	0.97	0.83	0.49
5,234.00	91.08	179.47	3,083.31	-2,630.13	324.75	2,630.19	0.35	0.22	-0.28
5,359.00	90.29	178.85	3,081.81	-2,755.11	326.58	2,755.17	0.80	-0.63	-0.50
5,485.00	89.41	179.20	3,082.14	-2,881.09	328.72	2,881.15	0.75	-0.70	0.28
5,612.00	88.97	179.12	3,083.94	-3,008.06	330.59	3,008.12	0.35	-0.35	-0.06
5,737.00	88.13	179.38	3,087.10	-3,133.01	332.22	3,133.07	0.70	-0.67	0.21
5,863.00	87.96	179.64	3,091.40	-3,258.93	333.30	3,258.99	0.25	-0.13	0.21
5,988.00	89.05	179.73	3,094.66	-3,383.89	333.98	3,383.94	0.87	0.87	0.07
6,109.00	90.07	180.44	3,095.59	-3,504.88	333.81	3,504.94	1.03	0.84	0.59
6,229.00	89.32	180.79	3,096.23	-3,624.87	332.52	3,624.93	0.69	-0.62	0.29
6,349.00	88.70	181.05	3,098.30	-3,744.84	330.59	3,744.89	0.56	-0.52	0.22
6,469.00	89.14	182.46	3,100.56	-3,864.76	326.92	3,864.81	1.23	0.37	1.17
6,589.00	87.91	180.79	3,103.65	-3,984.66	323.51	3,984.72	1.73	-1.02	-1.39
6,710.00	88.84	179.64	3,107.08	-4,105.61	323.06	4,105.66	1.22	0.77	-0.95
6,831.00	89.67	180.61	3,108.66	-4,226.59	322.80	4,226.65	1.06	0.69	0.80
6,953.00	90.73	179.12	3,108.23	-4,348.59	323.08	4,348.64	1.50	0.87	-1.22
7,076.00	91.69	179.73	3,105.63	-4,471.55	324.32	4,471.61	0.92	0.78	0.50
7,197.00	89.49	179.64	3,104.39	-4,592.54	324.98	4,592.59	1.82	-1.82	-0.07
7,321.00	90.42	179.56	3,104.48	-4,716.53	325.85	4,716.59	0.75	0.75	-0.06
7,447.00	88.31	179.73	3,105.88	-4,842.52	326.63	4,842.57	1.68	-1.67	0.13
7,573.00	89.32	180.35	3,108.49	-4,968.49	326.54	4,968.54	0.94	0.80	0.49
7,699.00	90.46	180.61	3,108.73	-5,094.48	325.49	5,094.54	0.93	0.90	0.21
7,825.00	89.89	180.70	3,108.34	-5,220.47	324.05	5,220.53	0.46	-0.45	0.07
7,951.00	90.42	180.17	3,108.00	-5,346.46	323.09	5,346.52	0.59	0.42	-0.42
8,076.00	89.85	179.82	3,107.71	-5,471.46	323.10	5,471.52	0.54	-0.46	-0.28
8,200.00	90.59	180.79	3,107.23	-5,595.46	322.44	5,595.51	0.98	0.60	0.78
8,326.00	88.53	180.26	3,108.20	-5,721.44	321.29	5,721.50	1.69	-1.63	-0.42
8,452.00	89.36	180.52	3,110.52	-5,847.42	320.43	5,847.47	0.69	0.66	0.21
8,514.00	89.80	180.96	3,110.97	-5,909.41	319.63	5,909.47	1.00	0.71	0.71
8,569.00	89.80	180.96	3,111.17	-5,964.40	318.71	5,964.46	0.00	0.00	0.00

TD: Y= 585615.70 / X= 500715.71 - Final Station Closure Distance= 5972.91 /Direction= 176.94 - Projection to Bit: 8569.01



Wellbenders Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #20H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3519.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3519.00usft
Well:	#20H	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
#20H FTP/ 330' FNL (- survey hits target center - Point	0.00	360.00	3,076.83	-993.85	323.51	590,586.25	500,720.51	32.6235025	-104.4652614
#20H LTP/100' FSL @ - survey misses target center by 5.11usft at 8514.00usft MD (3110.97 TVD, -5909.41 N, 319.63 E) - Point	0.00	0.00	3,110.99	-5,914.52	319.54	585,665.58	500,716.54	32.6099769	-104.4652545
#20H Final Bit Proj @ - survey hits target center - Point	0.00	360.00	3,111.17	-5,964.40	318.71	585,615.70	500,715.71	32.6098398	-104.4652570

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,569.00	3,111.17	-5,964.40	318.71	TD: Y= 585615.70 / X= 500715.71
8,569.00	3,111.17	-5,964.40	318.71	Final Station Closure Distance= 5972.91 /Direction= 176.94
8,569.00	3,111.17	-5,964.40	318.71	Projection to Bit: 8569.00' MD/ 3111.17' TVD
8,569.00	3,111.17	-5,964.40	318.71	TD: Latitude = 32.6098398 / Longitude = -104.4652570

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Lakewood Unit
Well: #20H
Wellbore: Wellbore #1
Rig:
Design: Plan #3 / 8:29, December 28 2020

WELL DETAILS: #20H

RKB = 20' @ 3519.00usft
3499.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	591580.10	500397.00	32.6262332	-104.4663163

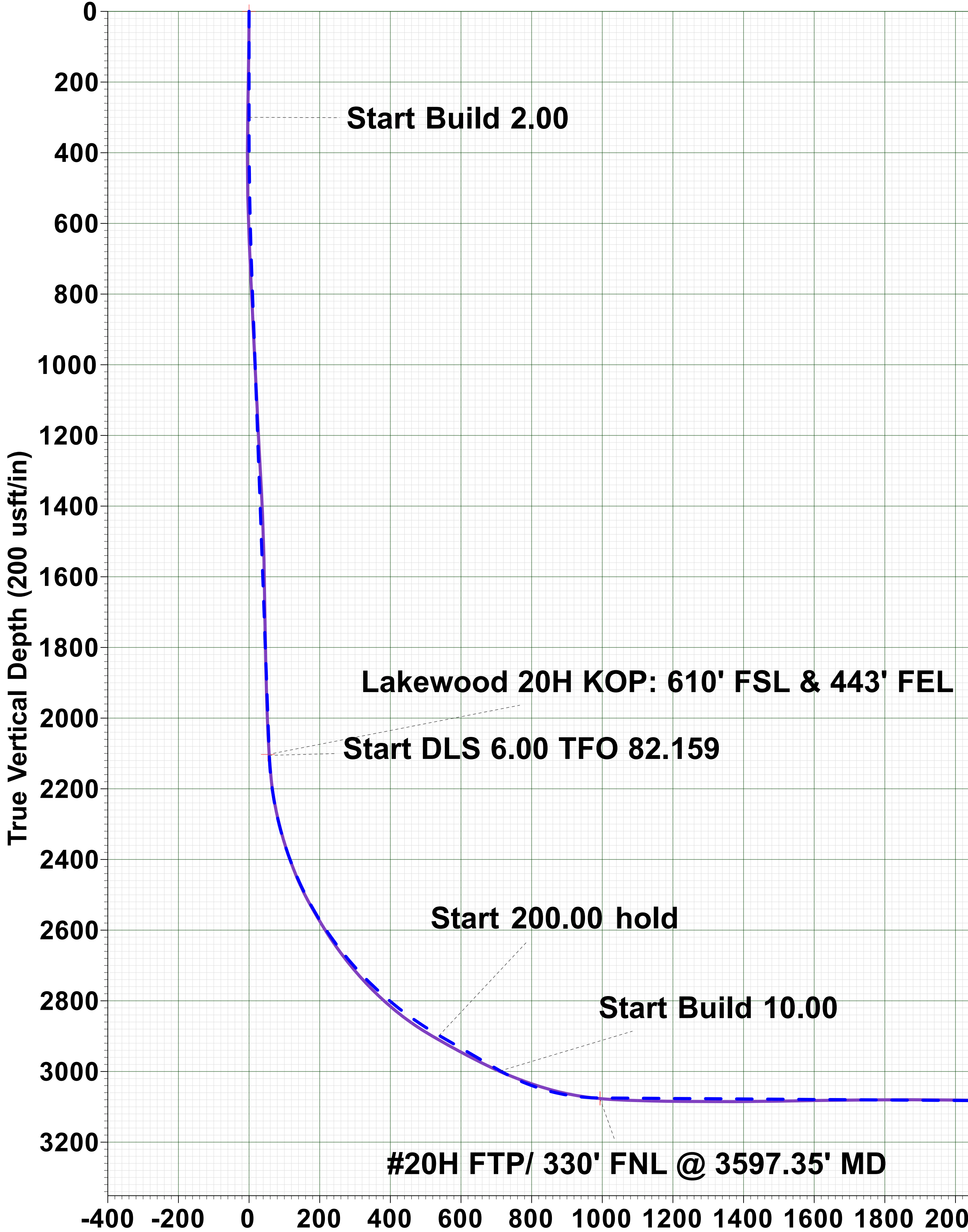
SECTION DETAILS

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	360.00	300.00	0.00	0.00	0.00	0.00	
3	753.17	9.06	103.17	751.28	-8.15	34.83	2.00	8.15	
4	2124.33	9.06	103.17	2105.32	-57.35	245.14	0.00	57.39	
5	3096.69	60.00	179.99	2898.25	-538.12	326.95	6.00	538.17	
6	3296.69	60.00	179.99	2998.25	-711.32	326.97	0.00	711.38	
7	3592.69	89.60	179.99	3075.00	-993.80	327.00	10.00	993.86	Lakewood 20H FTP/ LP: 330' FNL & 360' FEL
8	8283.71	89.60	179.99	3107.75	-5684.70	327.47	0.00	5684.76	Lakewood 20H LTP: 100' FSL & 360' FEL
9	8563.55	89.60	179.99	3109.70	-5964.54	327.50	0.00	5964.60	Lakewood 20H PBHL: 50' FSL & 360' FEL

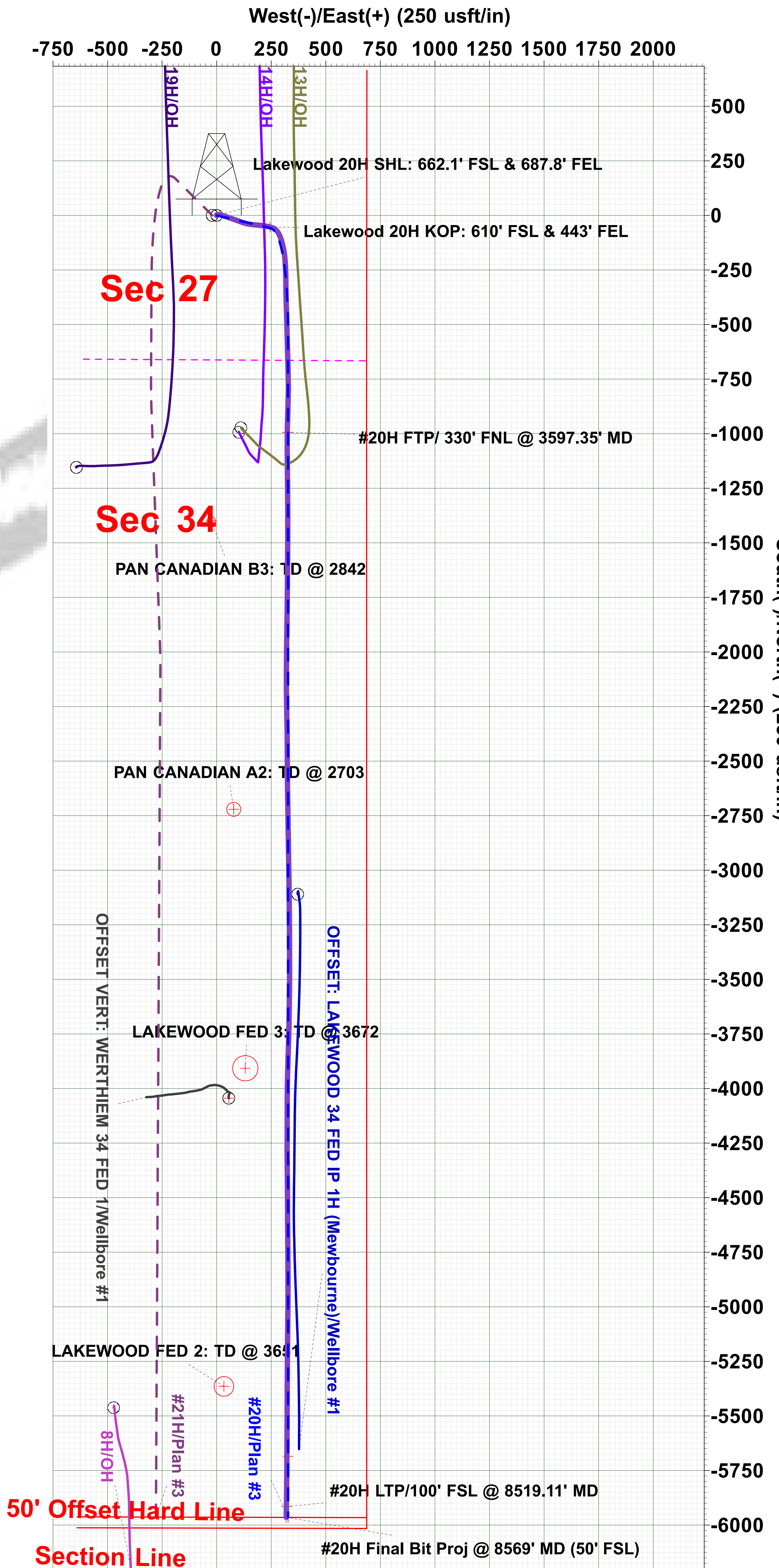
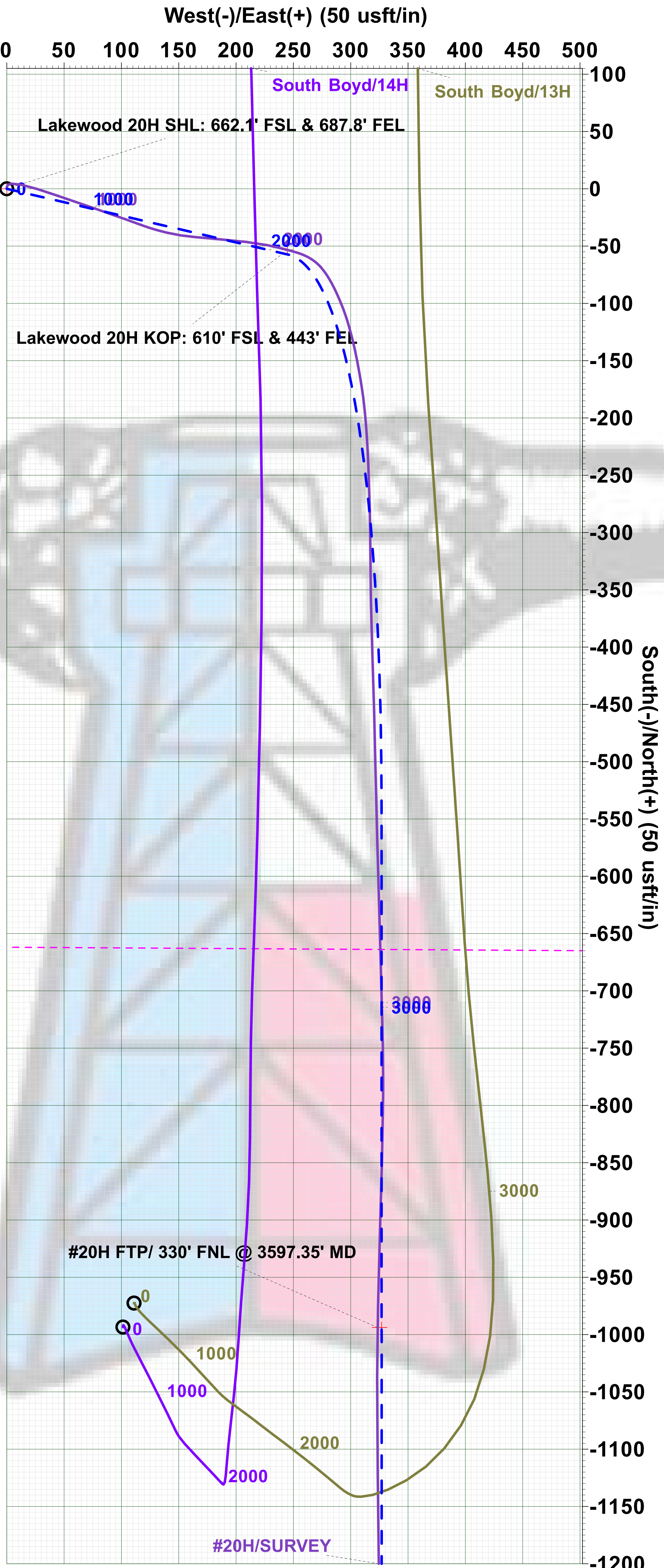
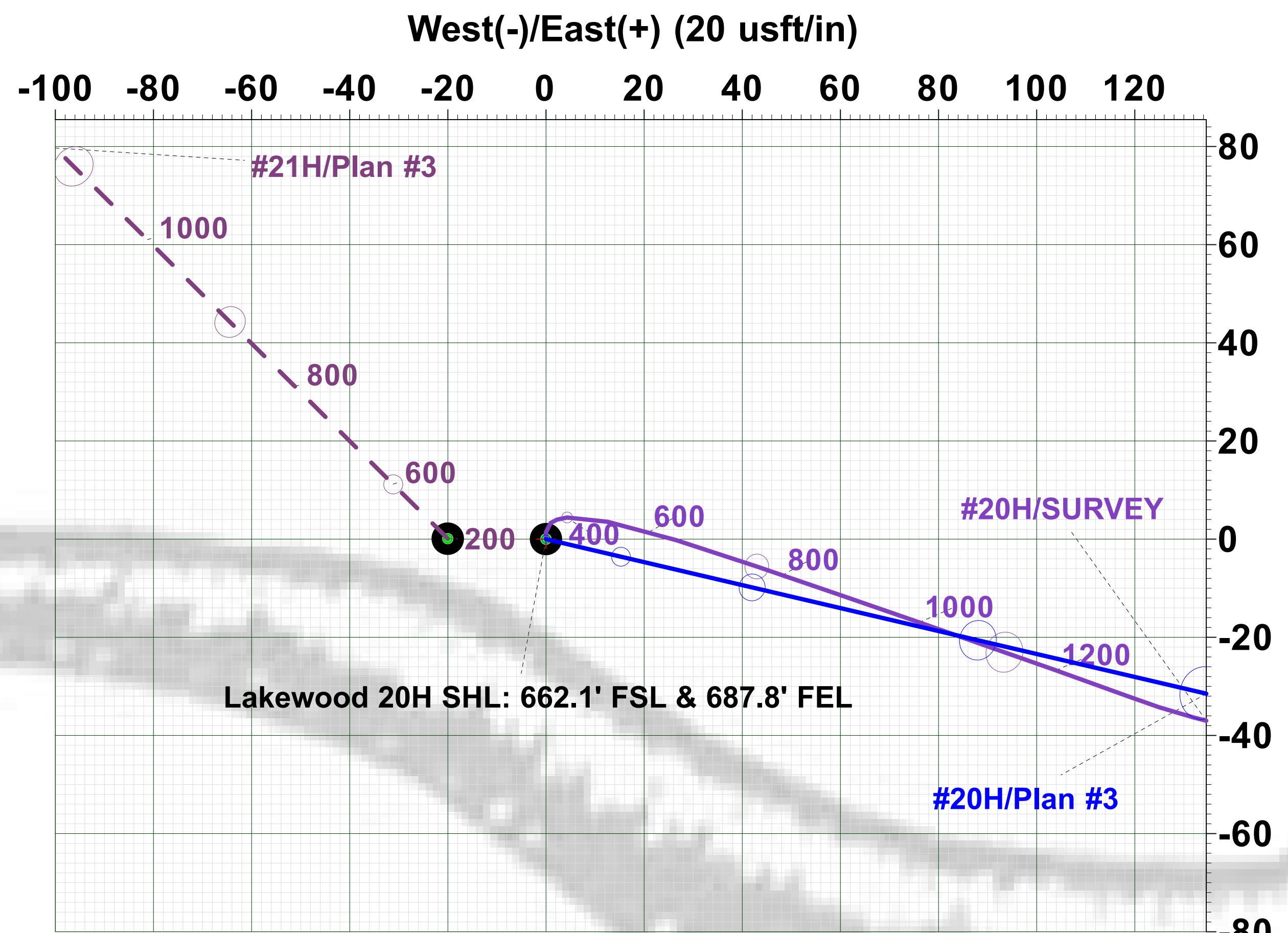
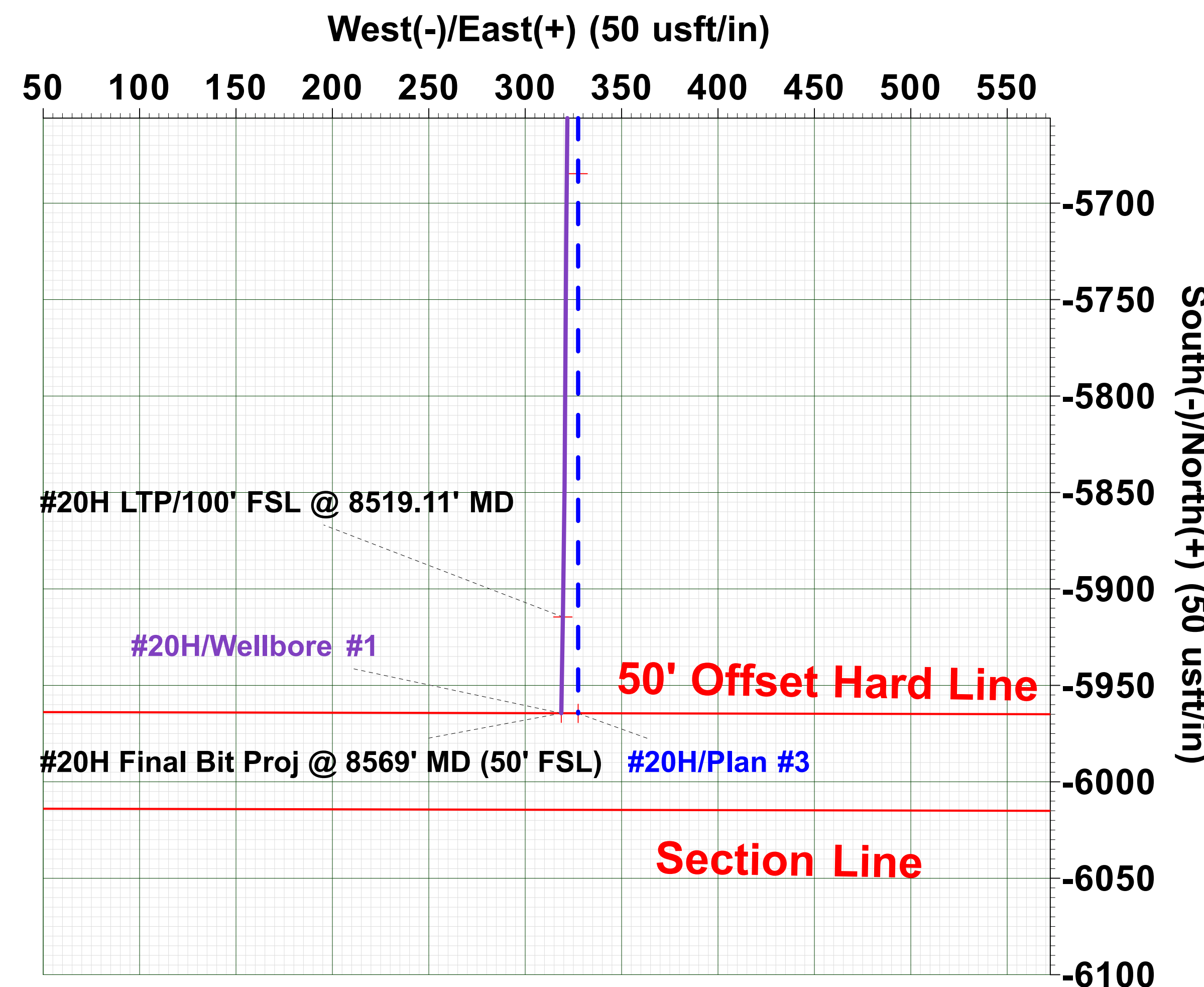
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lakewood 20H SHL: 662.1' FSL & 687.8' FEL	0.00	0.00	0.00	591580.10	500397.00	32.6262332	-104.4663163
Lakewood 20H KOP: 610' FSL & 443' FEL	2102.93	-53.28	244.90	591526.82	500641.90	32.6260876	-104.4655206
Lakewood 20H FTP/ LP: 330' FNL & 360' FEL	3075.00	-993.80	327.00	590586.30	500724.00	32.6235027	-104.4652501
#20H FTP/ 330' FNL @ 3597.35' MD	3076.83	-993.85	323.51	590586.25	500720.51	32.6235025	-104.4652615
Lakewood 20H LTP: 100' FSL & 360' FEL	3107.75	-5684.70	327.50	585895.40	500724.50	32.6106087	-104.4652296
Lakewood 20H PBHL: 50' FSL & 360' FEL	3109.70	-5964.54	327.50	585615.56	500724.50	32.6098395	-104.4652285
#20H LTP/100' FSL @ 8519.11' MD	3110.99	-5914.52	319.54	585665.58	500716.54	32.6099769	-104.4652545
#20H Final Bit Proj @ 8569' MD (50' FSL)	3111.17	-5964.40	318.71	585615.70	500715.71	32.6098398	-104.4652570

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.



CORRECTION REFERENCE DATA:
To convert a Magnetic Direction to a Grid Direction, Add 7.115°
To convert a True Direction to a Grid Direction, Add 0.072°
To convert a Magnetic Direction to a True Direction, Add 7.043° East
Magnetic Declination: 7.043°
Magnetic Dip Angle: 60.247°
Magnetic Field Strength: 47739.77511816nT

Correction Reference Data:
Azimuths to Grid North
True North: 0.07°
Magnetic North: 7.12°
Magnetic Field
Strength: 47739.8nT
Dip Angle: 60.25°
Date: 10/05/2020
Model: IGRF2015

Plan: Plan #3 (#20H/Wellbore #1)

Created By: Matthew May Date: 8:29, December 28 2020

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 22768

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 22768
	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.

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 22768

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 22768
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit all drilling, casing, and completion sundries, completion report and New Well C-104 by expiration of RT C-104 9/16/21.	6/16/2021