

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 08/12/2021
⁴ API Number 30 - 0 15-47783	⁵ Pool Name ARTESIA; GLORIETA-YESO (O)	⁶ Pool Code 96830
⁷ Property Code 330996	⁸ Property Name WELCH A 28 STATE COM	⁹ Well Number 50H

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
D	27	17S	28E		655	NORTH	890	WEST	EDDY

¹¹ Bottom Hole Location FTP: 437' FNL 104' FEL LTP: 444'FNL 150' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	28	17S	28E		442	NORTH	52	WEST	EDDY
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 04/13/2021	¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date		

III. Oil and Gas Transporters

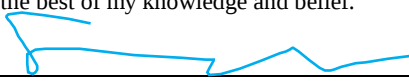
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
33479	HOLLYFRONTIER REFINING & MARKETING LLC 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75202	O
36785	DCP OPERATING COMPANY LP 370 17ST STREET, SUITE 2500, DENVER, CO 80202	G

IV. Well Completion Data

²¹ Spud Date 01/09/2021	²² Ready Date 04/13/2021	²³ TD 4221'V/9607'M	²⁴ PBDT 4221'V/9607'M	²⁵ Perforations 4562'-9509'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17-1/2"		13-3/8" 54.5# J-55 BTC		445'	
12-1/4"		9-5/8" 36# J-55 BTC		1240'	
8-3/4"		7" 32# L-80 BK-HT 5-1/2" 20# L-80 BK-HT		4283' 9607'	
		3-1/2" J-55 TBG		4262'	

V. Well Test Data

³¹ Date New Oil 04/11/2021	³² Gas Delivery Date 04/13/2021	³³ Test Date 04/29/2021	³⁴ Test Length 24-HOURS	³⁵ Tbg. Pressure 187	³⁶ Csg. Pressure 105
³⁷ Choke Size N/A	³⁸ Oil 602	³⁹ Water 2331	⁴⁰ Gas 617		⁴¹ Test Method 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: KURT SIMMONS	
Title: REGULATORY DIRECTOR		Title: NMOC, SANTA FE	
E-mail Address: SCHAPMAN@SPUREPLLC.COM		Approval Date: 09/22/2021	
Date: 08/12/2021	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, 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 30-015-47783		² Pool Code 96830		³ Pool Name ARTESIA; GLORIETA-YESO (O)	
⁴ Property Code 329863		⁵ Property Name WELCH A 28 STATE			⁶ Well Number 50H
⁷ GRID NO. 328947		⁸ Operator Name SPUR ENERGY PARTNERS LLC.			⁹ Elevation 3654'

¹⁰ Surface Location

UL or lot no. D	Section 27	Township 17S	Range 28E	Lot Idn	Feet from the 655	North/South line NORTH	Feet From the 890	East/West line WEST	County EDDY
---------------------------	----------------------	------------------------	---------------------	---------	-----------------------------	----------------------------------	-----------------------------	-------------------------------	-----------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no. D	Section 28	Township 17S	Range 28E	Lot Idn	Feet from the 442	North/South line NORTH	Feet from the 52	East/West line WEST	County EDDY
---------------------------	----------------------	------------------------	---------------------	---------	-----------------------------	----------------------------------	----------------------------	-------------------------------	-----------------------

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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 GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (SL) N: 658805.9 - E: 591678.3 LAT: 32.8109795° N LONG: 104.1694788° W FIRST TAKE POINT (FTP) 437' FNL & 104' FEL - SEC 28 N: 659018.0 - E: 590656.2 LAT: 32.8115666° N LONG: 104.1727072° W MD = 4562' - TVD = 4139.8' LAST TAKE POINT (LTP) 444' FNL & 150' FWL - SEC 28 N: 658858.0 - E: 585747.6 LAT: 32.8111465° N LONG: 104.1887825° W MD = 9509' - TVD = 4116.3'		BOTTOM HOLE (BH) N: 658857.6 - E: 585649.7 LAT: 32.811456° N LONG: 104.1891012° W MD = 9607' - TVD = 4112.3' CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1941" N: 654104.0 - E: 585547.5 B: FOUND BRASS CAP "1941" N: 656702.1 - E: 585573.1 C: FOUND BRASS CAP "1941" N: 659297.8 - E: 585602.6 D: FOUND BRASS CAP "1941" N: 659377.1 - E: 588198.9 E: FOUND BRASS CAP "1941" N: 659457.7 - E: 590794.9 F: FOUND BRASS CAP "1941" N: 659466.8 - E: 593406.4 G: FOUND BRASS CAP "1941" N: 659475.1 - E: 596017.9 H: FOUND BRASS CAP "1941" N: 656886.5 - E: 595997.7 I: FOUND BRASS CAP "1941" N: 654298.0 - E: 595977.3 J: FOUND BRASS CAP "1941" N: 654266.7 - E: 593360.1 K: FOUND BRASS CAP "1941" N: 654235.0 - E: 590741.9 L: FOUND BRASS CAP "1941" N: 654169.8 - E: 588139.7 M: FOUND BRASS CAP "1941" N: 656846.0 - E: 590769.0	
		¹⁷ OPERATOR CERTIFICATION 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. Signature <u>Sarah Chapman</u> Date <u>4/13/2021</u> SARAH CHAPMAN Printed Name SCHAPMAN@SPUREPLLC.COM E-mail Address	
¹⁸ 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. Date of Survey <u>01/22/2021</u> Signature and Seal of Professional Surveyor		19680 Certificate Number LS20100588AD	



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **01/09/21** thru **01/21/21** conduct or supervise the taking of a **MWD Survey** from a depth of **163'** to a depth of **9607'**; 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 **Welch A 28 State 50H** API No. **30-015-47783** 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)

Welch A 28 State

A #50H

Wellbore #1

Survey: Survey #1

Standard Survey Report

22 January, 2021





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well A #50H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3674.00usft
Site:	Welch A 28 State	MD Reference:	RKB = 20' @ 3674.00usft
Well:	A #50H	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	Welch A 28 State		
Site Position:		Northing:	657,715.70 usft
From:	Map	Easting:	591,569.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.8079833
		Longitude:	-104.1698382
		Grid Convergence:	0.089 °

Well	A #50H		
Well Position	+N/-S	0.00 usft	Northing: 658,805.90 usft
	+E/-W	0.00 usft	Easting: 591,678.30 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.8109794
		Longitude:	-104.1694789
		Ground Level:	3,654.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	1/6/2021	6.920
			Dip Angle (°) 60.358
			Field Strength (nT) 47,822.24659850

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 (°) 268.23

Survey Program	Date	1/22/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
163.00	9,607.00	Survey #1 (Wellbore #1)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

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
Welch A-28 St #50H: SHL 655' NFL & 890' FWL									
163.00	0.57	216.58	163.00	-0.65	-0.48	0.50	0.35	0.35	0.00
284.00	0.68	301.39	283.99	-0.76	-1.45	1.48	0.70	0.09	70.09
395.00	0.99	291.64	394.98	-0.06	-2.91	2.91	0.31	0.28	-8.78
524.00	0.93	296.20	523.96	0.81	-4.88	4.86	0.08	-0.05	3.53
644.00	3.33	309.39	643.87	3.45	-8.45	8.34	2.03	2.00	10.99
764.00	7.17	312.56	763.35	10.73	-16.66	16.32	3.21	3.20	2.64
885.00	7.91	313.05	883.30	21.52	-28.31	27.63	0.61	0.61	0.40
1,007.00	7.45	313.06	1,004.20	32.65	-40.22	39.20	0.38	-0.38	0.01
1,130.00	6.94	314.54	1,126.24	43.31	-51.35	49.98	0.44	-0.41	1.20



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well A #50H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3674.00usft
Site:	Welch A 28 State	MD Reference:	RKB = 20' @ 3674.00usft
Well:	A #50H	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)
1,174.00	6.67	315.80	1,169.93	47.01	-55.02	53.54	0.70	-0.61	2.86
1,303.00	6.37	317.41	1,298.09	57.65	-65.09	63.28	0.27	-0.23	1.25
1,429.00	6.04	319.14	1,423.35	67.81	-74.16	72.03	0.30	-0.26	1.37
1,555.00	5.41	320.31	1,548.72	77.39	-82.29	79.86	0.51	-0.50	0.93
1,681.00	6.62	317.53	1,674.03	87.32	-90.98	88.24	0.99	0.96	-2.21
1,807.00	6.42	318.36	1,799.21	97.94	-100.57	97.50	0.18	-0.16	0.66
1,933.00	6.00	319.10	1,924.47	108.18	-109.56	106.17	0.34	-0.33	0.59
2,058.00	5.50	320.19	2,048.84	117.72	-117.67	113.98	0.41	-0.40	0.87
2,184.00	7.02	305.91	2,174.10	126.88	-127.78	123.80	1.72	1.21	-11.33
2,310.00	6.62	303.68	2,299.20	135.42	-140.06	135.81	0.38	-0.32	-1.77
2,436.00	6.41	315.35	2,424.40	144.45	-151.04	146.51	1.06	-0.17	9.26
2,562.00	6.35	314.78	2,549.62	154.36	-160.93	156.09	0.07	-0.05	-0.45
2,688.00	6.09	316.16	2,674.87	164.09	-170.51	165.36	0.24	-0.21	1.10
2,813.00	5.86	315.15	2,799.20	173.40	-179.60	174.16	0.20	-0.18	-0.81
2,939.00	5.38	315.29	2,924.59	182.16	-188.29	182.58	0.38	-0.38	0.11
3,064.00	6.56	314.12	3,048.91	191.29	-197.54	191.54	0.95	0.94	-0.94
3,190.00	6.55	313.26	3,174.09	201.23	-207.94	201.63	0.08	-0.01	-0.68
3,316.00	6.46	312.21	3,299.27	210.92	-218.43	211.81	0.12	-0.07	-0.83
3,379.00	6.29	312.93	3,361.88	215.65	-223.58	216.81	0.30	-0.27	1.14
3,426.87	7.83	299.66	3,409.39	219.05	-228.33	221.46	4.66	3.21	-27.73
Welch A-28 St #50H: KOP 3425.81' MD									
3,442.00	8.38	296.53	3,424.37	220.05	-230.21	223.31	4.66	3.64	-20.67
3,506.00	11.52	280.98	3,487.41	223.35	-240.66	233.65	6.42	4.91	-24.30
3,569.00	15.57	269.60	3,548.66	224.49	-255.30	248.25	7.67	6.43	-18.06
3,632.00	20.61	265.75	3,608.53	223.61	-274.83	267.79	8.22	8.00	-6.11
3,695.00	26.11	267.90	3,666.34	222.28	-299.76	292.75	8.83	8.73	3.41
3,758.00	31.48	268.67	3,721.53	221.39	-330.08	323.09	8.54	8.52	1.22
3,821.00	36.69	268.70	3,773.69	220.58	-365.37	358.38	8.27	8.27	0.05
3,884.00	42.01	269.26	3,822.39	219.88	-405.29	398.31	8.46	8.44	0.89
3,947.00	47.27	270.15	3,867.20	219.67	-449.54	442.54	8.41	8.35	1.41
4,011.00	51.76	270.32	3,908.74	219.87	-498.21	491.18	7.02	7.02	0.27
4,074.00	56.95	271.30	3,945.45	220.61	-549.38	542.30	8.33	8.24	1.56
4,135.00	61.07	270.52	3,976.85	221.43	-601.65	594.53	6.84	6.75	-1.28
4,194.00	61.19	270.51	4,005.33	221.89	-653.32	646.15	0.20	0.20	-0.02
4,255.00	60.64	270.68	4,034.99	222.45	-706.62	699.41	0.93	-0.90	0.28
4,315.00	60.85	270.39	4,064.31	222.94	-758.97	751.72	0.55	0.35	-0.48
4,375.00	66.37	268.19	4,090.97	222.25	-812.68	805.43	9.77	9.20	-3.67
4,437.00	71.50	266.49	4,113.25	219.55	-870.46	863.26	8.66	8.27	-2.74
4,497.00	77.41	266.37	4,129.32	215.95	-928.12	921.01	9.85	9.85	-0.20
4,556.00	83.34	266.75	4,139.18	212.46	-986.16	979.13	10.07	10.05	0.64
4,557.62	83.40	266.77	4,139.37	212.37	-987.77	980.74	4.05	3.88	1.17
FINAL survey FTP/ 100' FEL: 4557.62' MD									
4,558.62	83.44	266.78	4,139.48	212.31	-988.76	981.73	4.05	3.88	1.17



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well A #50H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3674.00usft
Site:	Welch A 28 State	MD Reference:	RKB = 20' @ 3674.00usft
Well:	A #50H	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)
Welch A-28 St #50H: FTP 100' FEL									
4,616.00	85.67	267.45	4,144.93	209.44	-1,045.81	1,038.84	4.05	3.88	1.17
4,618.59	85.70	267.46	4,145.12	209.33	-1,048.38	1,041.42	1.16	1.10	0.38
Welch A-28 St #50H: LP									
4,676.00	86.33	267.68	4,149.11	206.90	-1,105.61	1,098.69	1.16	1.10	0.38
4,727.00	87.06	268.08	4,152.05	205.01	-1,156.49	1,149.60	1.63	1.43	0.78
4,853.00	89.03	267.90	4,156.35	200.60	-1,282.33	1,275.52	1.57	1.56	-0.14
4,979.00	91.20	267.70	4,156.10	195.76	-1,408.23	1,401.51	1.73	1.72	-0.16
5,105.00	91.04	268.53	4,153.63	191.62	-1,534.13	1,527.48	0.67	-0.13	0.66
5,232.00	90.56	270.81	4,151.86	190.89	-1,661.11	1,654.42	1.83	-0.38	1.80
5,357.00	89.73	272.89	4,151.54	194.92	-1,786.04	1,779.16	1.79	-0.66	1.66
5,483.00	90.73	272.07	4,151.04	200.37	-1,911.92	1,904.81	1.03	0.79	-0.65
5,609.00	90.68	271.33	4,149.49	204.11	-2,037.85	2,030.57	0.59	-0.04	-0.59
5,729.00	90.34	270.51	4,148.42	206.04	-2,157.83	2,150.43	0.74	-0.28	-0.68
5,850.00	89.68	268.11	4,148.40	204.58	-2,278.81	2,271.40	2.06	-0.55	-1.98
5,972.00	91.28	266.93	4,147.38	199.30	-2,400.69	2,393.38	1.63	1.31	-0.97
6,091.00	89.80	268.09	4,146.26	194.13	-2,519.56	2,512.36	1.58	-1.24	0.97
6,211.00	89.90	266.59	4,146.57	188.56	-2,639.43	2,632.35	1.25	0.08	-1.25
6,330.00	91.79	265.18	4,144.81	180.03	-2,758.10	2,751.22	1.98	1.59	-1.18
6,451.00	91.76	267.41	4,141.07	172.21	-2,878.78	2,872.09	1.84	-0.02	1.84
6,573.00	90.47	267.58	4,138.69	166.88	-3,000.64	2,994.05	1.07	-1.06	0.14
6,696.00	88.14	268.33	4,140.18	162.49	-3,123.54	3,117.03	1.99	-1.89	0.61
6,817.00	90.51	267.78	4,141.61	158.39	-3,244.46	3,238.02	2.01	1.96	-0.45
6,939.00	91.78	268.93	4,139.17	154.88	-3,366.38	3,359.99	1.40	1.04	0.94
7,065.00	90.53	269.54	4,136.63	153.20	-3,492.34	3,485.94	1.10	-0.99	0.48
7,190.00	90.00	269.94	4,136.05	152.64	-3,617.33	3,610.89	0.53	-0.42	0.32
7,316.00	88.67	268.99	4,137.52	151.46	-3,743.32	3,736.85	1.30	-1.06	-0.75
7,442.00	88.57	267.08	4,140.55	147.14	-3,869.20	3,862.81	1.52	-0.08	-1.52
7,568.00	89.96	265.08	4,142.17	138.53	-3,994.89	3,988.70	1.93	1.10	-1.59
7,692.00	91.70	264.02	4,140.37	126.75	-4,118.31	4,112.43	1.64	1.40	-0.85
7,819.00	94.14	266.76	4,133.90	116.56	-4,244.71	4,239.08	2.89	1.92	2.16
7,969.00	92.63	268.19	4,125.04	109.96	-4,394.29	4,388.80	1.39	-1.01	0.95
8,096.00	90.37	270.66	4,121.72	108.69	-4,521.22	4,515.71	2.64	-1.78	1.94
8,223.00	88.95	270.89	4,122.47	110.41	-4,648.21	4,642.58	1.13	-1.12	0.18
8,349.00	86.52	270.55	4,127.45	111.99	-4,774.09	4,768.35	1.95	-1.93	-0.27
8,475.00	86.44	268.89	4,135.19	111.37	-4,899.85	4,894.07	1.32	-0.06	-1.32
8,601.00	87.25	267.31	4,142.12	107.20	-5,025.58	5,019.87	1.41	0.64	-1.25
8,727.00	88.61	266.03	4,146.68	99.89	-5,151.28	5,145.74	1.48	1.08	-1.02
8,853.00	91.37	264.72	4,146.70	89.73	-5,276.86	5,271.57	2.42	2.19	-1.04
8,980.00	92.77	263.95	4,142.11	77.20	-5,403.15	5,398.19	1.26	1.10	-0.61
9,106.00	92.70	266.14	4,136.10	66.33	-5,528.53	5,523.84	1.74	-0.06	1.74
9,230.00	93.14	267.20	4,129.78	59.14	-5,652.15	5,647.63	0.92	0.35	0.85
9,356.00	92.83	268.61	4,123.22	54.54	-5,777.90	5,773.45	1.14	-0.25	1.12
9,482.00	92.43	269.40	4,117.44	52.35	-5,903.74	5,899.31	0.70	-0.32	0.63



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well A #50H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3674.00usft
Site:	Welch A 28 State	MD Reference:	RKB = 20' @ 3674.00usft
Well:	A #50H	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)
9,513.00	92.34	269.74	4,116.15	52.12	-5,934.72	5,930.27	1.13	-0.29	1.10
FINAL survey LTP/ 100' FWL: 9559.00' MD - Welch A-28 St #50H: LTP 100' FWL									
9,607.00	92.34	269.74	4,112.31	51.70	-6,028.64	6,024.16	0.00	0.00	0.00
TD: Y= 658857.60 / X= 585649.66 - Final Station Closure Distance= 6028.86 /Direction= 270.49 - Projection to Bit: 9607.0'									

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 Bit Proj/ 52' FM - survey hits target center - Point	0.00	0.00	4,112.31	51.70	-6,028.64	658,857.60	585,649.67	32.8111456	-104.1891012
FINAL survey LTP/ 10 - survey misses target center by 46.00usft at 9513.00usft MD (4116.15 TVD, 52.12 N, -5934.72 E) - Point	0.00	0.00	4,114.27	51.91	-5,980.68	658,857.82	585,697.62	32.8111460	-104.1889451
FINAL survey FTP/ 10 - survey hits target center - Point	0.00	0.00	4,139.37	212.37	-987.77	659,018.28	590,690.53	32.8115673	-104.1726929

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
9,607.00	4,112.31	51.70	-6,028.64	TD: Y= 658857.60 / X= 585649.66	
9,607.00	4,112.31	51.70	-6,028.64	Final Station Closure Distance= 6028.86 /Direction= 270.49	
9,607.00	4,112.31	51.70	-6,028.64	Projection to Bit: 9607.00' MD/ 4112.31' TVD	
9,607.00	4,112.31	51.70	-6,028.64	TD: Latitude= 32.8111456 / Longitude= -104.1891012	

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Welch A 28 State
Well: A #50H
Wellbore: Wellbore #1
Rig:
Design: Plan #2 / 7:07, January 22 2021

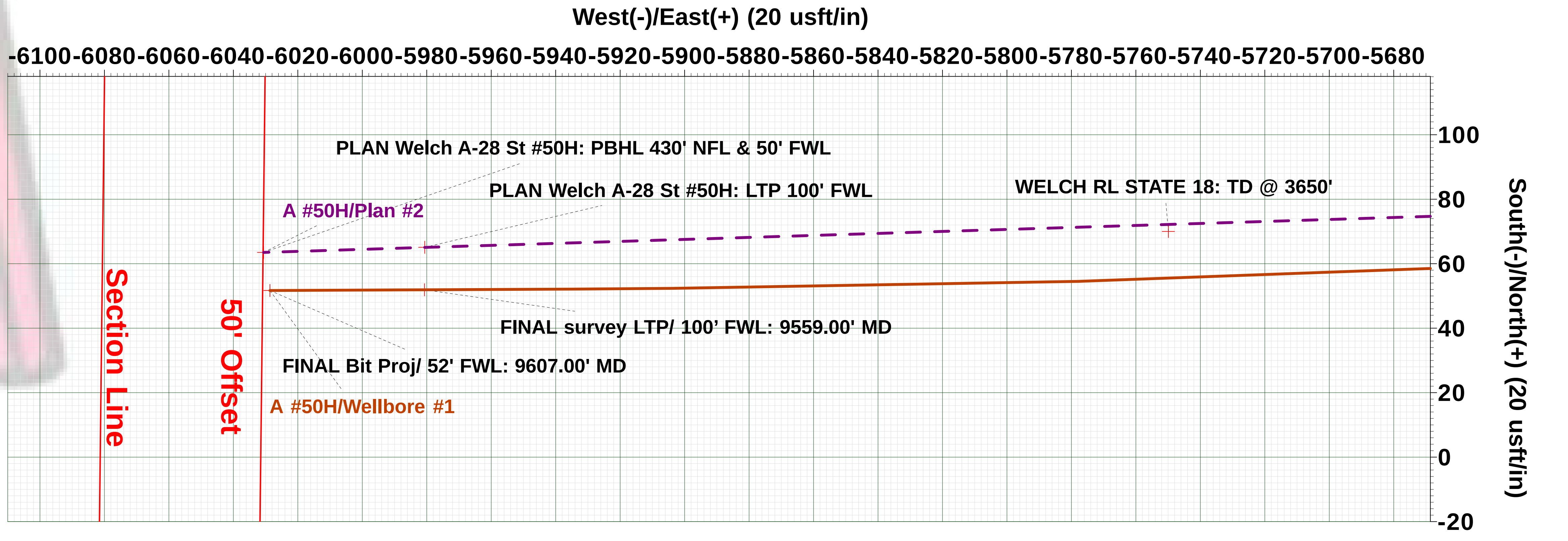
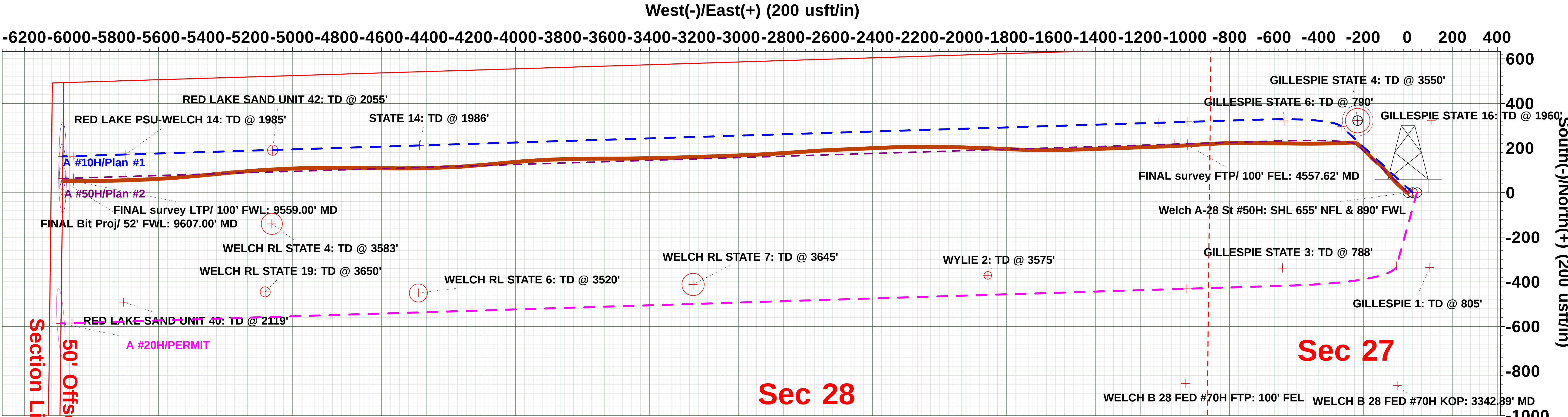
WELL DETAILS: A #50H

RKB = 20' @ 3674.00usft

	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
	0.00	0.00	658805.90	591678.30	32.8109794	-104.1694789

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Welch A-28 St #50H: SHL 655' NFL & 890' FWL	0.00	0.00	0.00	658805.90	591678.30	32.8109794	-104.1694789
PLAN Welch A-28 St #50H: KOP 3425.81' MD	3409.75	214.95	-227.62	659020.85	591450.68	32.8115712	-104.1702187
FINAL Bit Proj/ 52' FWL: 9607.00' MD	4112.31	51.70	-6028.64	658857.60	585649.66	32.8111456	-104.1891012
FINAL survey LTP/ 100' FWL: 9559.00' MD	4114.27	51.91	-5980.68	658857.81	585697.62	32.8111460	-104.1889451
PLAN Welch A-28 St #50H: PBHL 430' NFL & 50' FWL	4125.00	63.50	-6030.60	658869.40	585647.70	32.8111781	-104.1891076
PLAN Welch A-28 St #50H: LTP 100' FWL	4125.50	65.10	-5980.60	658871.00	585697.70	32.8111823	-104.1889448
FINAL survey FTP/ 100' FEL: 4557.62' MD	4139.37	212.37	-987.77	659018.27	590690.53	32.8115673	-104.1726929
PLAN Welch A-28 St #50H: LP	4154.58	217.47	-1048.07	659023.37	590630.23	32.8115815	-104.1728892
PLAN Welch A-28 St #50H: FTP 100' FEL	4155.00	218.90	-987.60	659024.80	590690.70	32.8115852	-104.1726923



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	497.89	5.94	313.36	497.53	7.03	-7.45	3.00	7.23
4	3425.81	5.94	313.36	3409.75	214.95	-227.62	0.00	220.88
5	4124.67	60.00	268.23	3977.83	231.77	-585.20	8.00	577.77
6	4324.67	60.00	268.23	4077.83	226.42	-758.33	0.00	750.97
7	4628.07	90.34	268.23	4154.58	217.47	-1048.07	10.00	1040.85
8	9563.07	90.34	268.23	4125.30	65.04	-5980.62	0.00	5975.76
9	9613.07	90.34	268.23	4125.00	63.50	-6030.60	0.00	6025.76

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

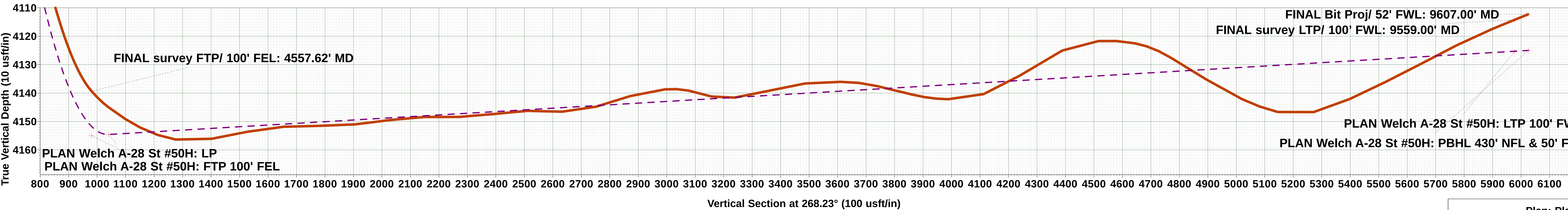
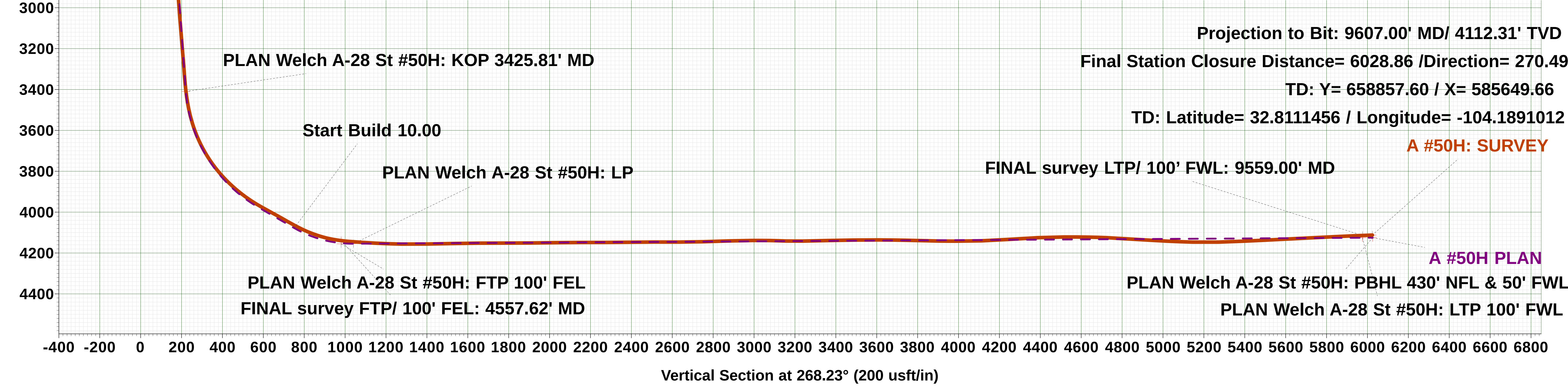
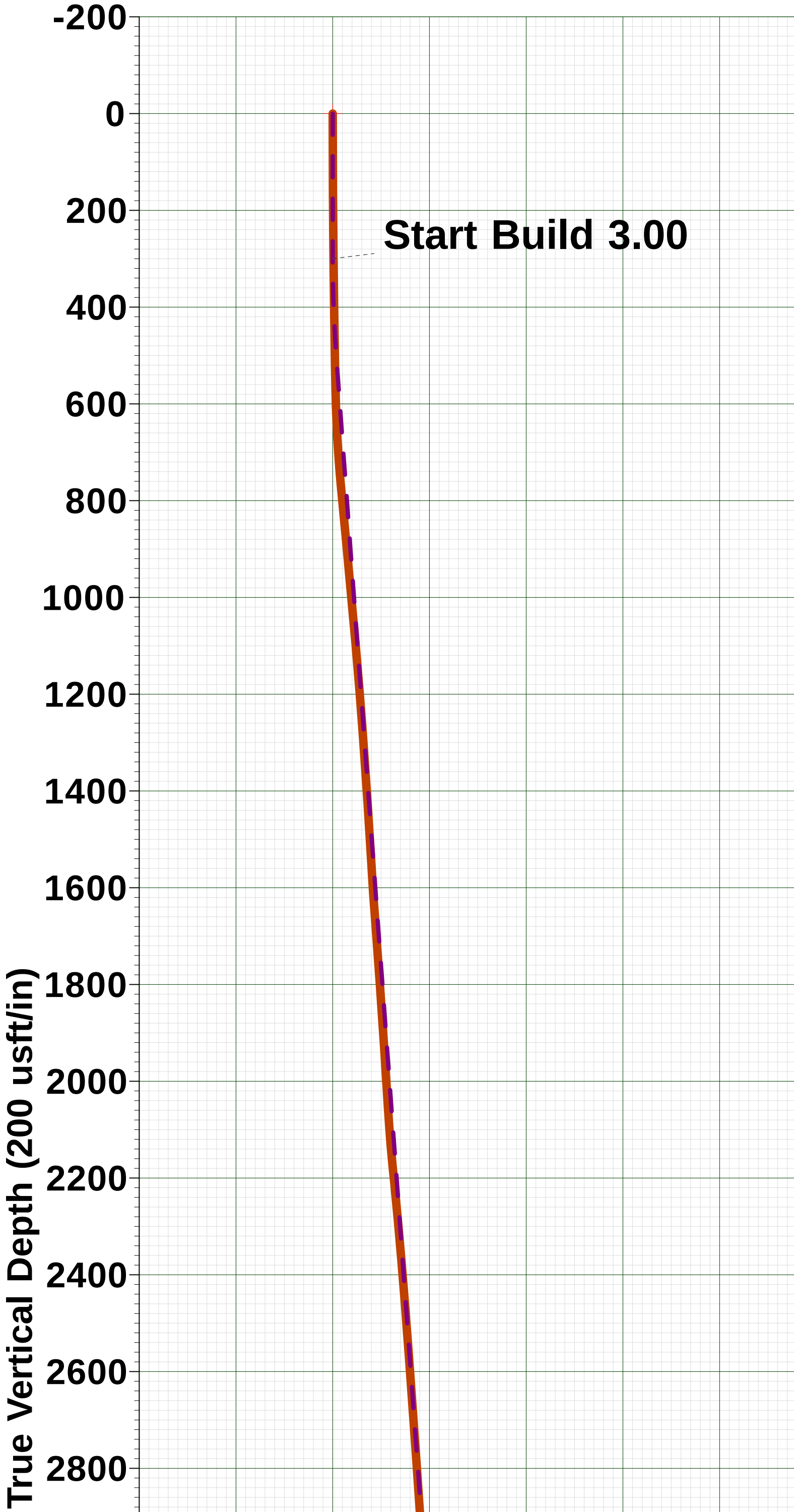
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

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



Plan: Plan #2 (A #50H/Wellbore #1)

Created By: Matthew May Date: 7:07, January 22 2021



Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

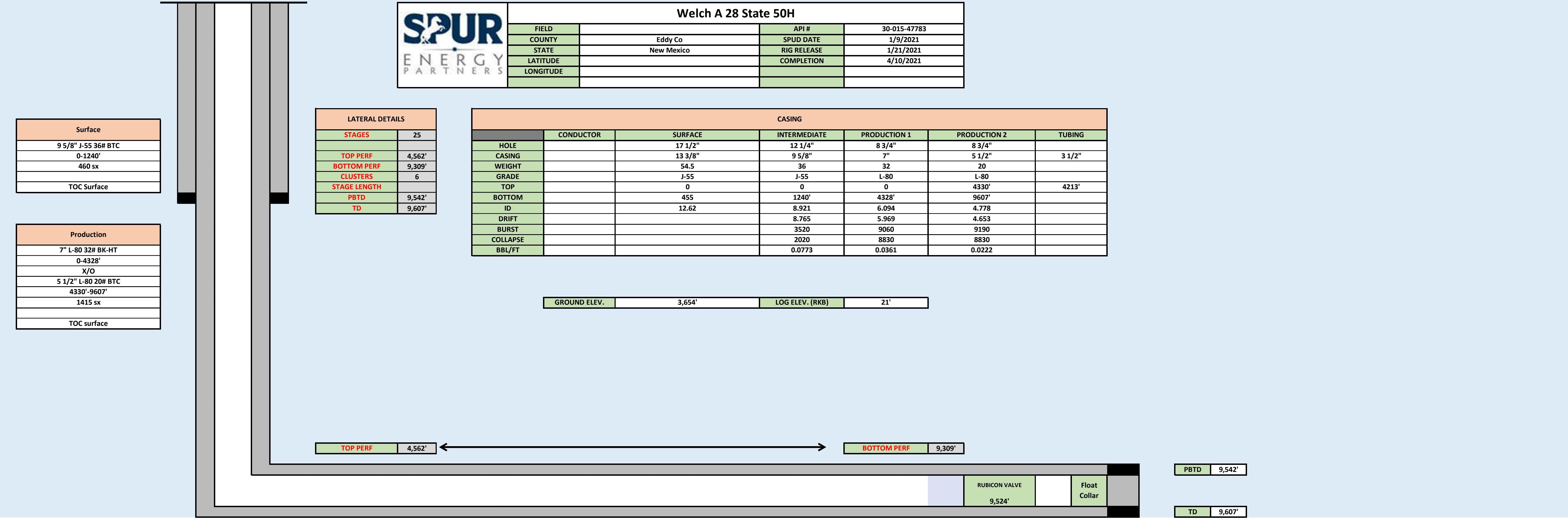
UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 41619

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41619
	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 41619

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 41619
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit C-105 completion report.	9/22/2021