

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

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 / 03/16/2022
⁴ API Number 30 - 0 15-48727	⁵ Pool Name EMPIRE, GLORIETA-YESO, EAST	⁶ Pool Code 96610
⁷ Property Code 335721	⁸ Property Name DARNER 9 STATE COM	⁹ Well Number 10H

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
I	8	17S	29E		1385	SOUTH	608	EAST	EDDY

¹¹ Bottom Hole Location

FTP: 1173' FSL 105' FWL LTP: 1159' FSL 119' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	17S	29E		1159	SOUTH	51	EAST	EDDY
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 01/30/2022	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 11/06/2021	²² Ready Date 01/26/2022	²³ TD 4218'V/9772'M	²⁴ PBTD 4218'V/9772'M	²⁵ Perforations 4672'-9704'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2"	13-3/8" 54.5# J-55 CSG	795'	17 SXS (17 CIRC TO SURFACE)		
12-1/4"	9-5/8" 36# J-55 CSG	1937'	555 SXS (153 CIRC TO SURFACE)		
8-3/4" 8-3/4"	7" 32# L-80 BK-HT CSG 5-1/2" 20 L-80 BK-HT CSG	4389' 9772'	1590 SXS (317 CIRC TO SURFACE)		
	3-1/2" J-55 TBG	4178'			

V. Well Test Data

³¹ Date New Oil 01/31/2022	³² Gas Delivery Date 01/30/2022	³³ Test Date 02/16/2022	³⁴ Test Length 24-HOURS	³⁵ Tbg. Pressure 208	³⁶ Csg. Pressure 126
³⁷ Choke Size N/A	³⁸ Oil 552	³⁹ Water 2399	⁴⁰ Gas 695		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: <i>Sarah Chapman</i>	OIL CONSERVATION DIVISION Approved by: <i>PATRICIA MARTINEZ</i>
Printed name: SARAH CHAPMAN	Title: <i>PETROLEUM SPECIALIST</i>
Title: REGULATORY DIRECTOR	Approval Date: <i>9/25/2024</i>
E-mail Address: SCHAPMAN@SPURENERGY.COM	
Date: 03/16/2022	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 30-015-48727	² Pool Code 96610	³ Pool Name EMPIRE; GLORIETA-YESO, EAST
⁴ Property Code 335721	⁵ Property Name DARNER 9 STATE COM	⁶ Well Number 10H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC.	⁹ Elevation 3610'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
I	8	17S	29E		1385	SOUTH	608	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	17S	29E		1159	SOUTH	51	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

¹⁶ GEODETIC DATA NAD 83 GRID - NM EAST SURFACE LOCATION (SL) N: 671457.7 - E: 615953.7 LAT: 32.8456260° N LONG: 104.0903706° W FIRST TAKE POINT (FTP) 1173' FSL & 105' FWL - SEC 9 N: 671247.3 - E: 616667.3 LAT: 32.8450431° N LONG: 104.0880487° W MD: 4672.0 - TVD: 4173.1 LAST TAKE POINT (LTP) 1159' FSL & 119' FEL - SEC 9 N: 671261.1 - E: 621697.9 LAT: 32.8450479° N LONG: 104.0716683° W MD: 9704.0 - TVD: 4216.7 BOTTOM HOLE (BH) N: 671261.3 - E: 621765.9 LAT: 32.8450479° N LONG: 104.0714469° W MD: 9772.0 - TVD: 4218.2 CORNER DATA NAD 83 GRID - NM EAST A: FOUND BRASS CAP "1914" N: 670067.1 - E: 611279.1 B: FOUND BRASS CAP "1914" N: 672706.4 - E: 611271.3 C: FOUND BRASS CAP "1914" N: 675348.3 - E: 611261.3 D: FOUND BRASS CAP "1914" N: 675350.9 - E: 613907.4 E: FOUND 1/2" REBAR W/RED PLASTIC CAP "HOWETT 19680" N: 675352.8 - E: 616550.1 F: FOUND BRASS CAP "1914" N: 675368.3 - E: 619178.2 G: FOUND BRASS CAP "1914" N: 675385.4 - E: 621807.5 H: FOUND BRASS CAP "1914" N: 672745.1 - E: 621808.9 I: FOUND 1/2" REBAR N: 670102.9 - E: 621822.7 J: FOUND BRASS CAP "1914" N: 670088.2 - E: 619192.6 K: FOUND BRASS CAP "1914" N: 670073.9 - E: 616565.6	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> 01/26/2022 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPURENERGY.COM E-mail Address ¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> 01/04/2022 Date of Survey Signature and Seal of Professional Surveyor 19680 Certificate Number LS21030257AC
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I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **11/06/21** thru **11/12/21** conduct or supervise the taking of a **MWD Survey** from a depth of **179'** to a depth of **9772'**; 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 **Darner 9 State 10H API No. 30-015-48727** 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)

DARNER 9 STATE

#10H

Wellbore #1

Survey: Survey #1

Standard Survey Report

13 November, 2021





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #10H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3630.00usft (AKITA 57)
Site:	DARNER 9 STATE	MD Reference:	RKB = 20' @ 3630.00usft (AKITA 57)
Well:	#10H	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		DARNER 9 STATE			
Site Position:		Northing:	671,457.70 usft	Latitude:	32.8456260
From:	Map	Easting:	615,953.70 usft	Longitude:	-104.0903706
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.132 °

Well	#10H					
Well Position	+N/-S	0.00 usft	Northing:	671,457.70 usft	Latitude:	32.8456260
	+E/-W	0.00 usft	Easting:	615,953.70 usft	Longitude:	-104.0903706
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,610.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/21/2021	6.795	60.376	47,769.18608070

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	89.68	

Survey Program	Date	11/13/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.00	9,772.00	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	
179.00	0.70	315.86	179.00	0.78	-0.76	-0.76	0.39	0.39	0.00	
305.00	0.31	306.90	304.99	1.54	-1.57	-1.56	0.31	-0.31	-7.11	
425.00	1.45	252.14	424.98	1.27	-3.27	-3.27	1.08	0.95	-45.63	
546.00	2.37	238.34	545.91	-0.51	-6.86	-6.86	0.84	0.76	-11.40	
666.00	4.92	225.60	665.66	-5.42	-12.65	-12.68	2.22	2.12	-10.62	
725.00	5.63	227.27	724.41	-9.15	-16.58	-16.64	1.23	1.20	2.83	
830.00	5.32	227.53	828.93	-15.93	-23.96	-24.05	0.30	-0.30	0.25	
952.00	6.37	228.85	950.29	-24.20	-33.23	-33.36	0.87	0.86	1.08	
1,074.00	8.13	228.06	1,071.31	-34.42	-44.74	-44.93	1.44	1.44	-0.65	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #10H
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Site:	DARNER 9 STATE	MD Reference:	RKB = 20' @ 3630.00usft (AKITA 57)
Well:	#10H	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)
1,195.00	8.57	227.71	1,191.03	-46.21	-57.77	-58.03	0.37	0.36	-0.29
1,316.00	8.26	228.24	1,310.73	-58.06	-70.93	-71.25	0.26	-0.26	0.44
1,434.00	8.00	228.24	1,427.54	-69.18	-83.38	-83.76	0.22	-0.22	0.00
1,560.00	7.60	228.85	1,552.37	-80.50	-96.19	-96.64	0.32	-0.32	0.48
1,686.00	7.30	228.15	1,677.31	-91.32	-108.43	-108.93	0.25	-0.24	-0.56
1,812.00	6.81	227.27	1,802.36	-101.73	-119.88	-120.44	0.40	-0.39	-0.70
1,867.00	6.64	226.83	1,856.98	-106.12	-124.59	-125.18	0.32	-0.31	-0.80
1,956.00	6.53	225.35	1,945.39	-113.20	-131.94	-132.57	0.23	-0.12	-1.66
2,080.00	6.05	224.72	2,068.64	-122.80	-141.56	-142.24	0.39	-0.39	-0.51
2,234.00	7.33	228.50	2,221.59	-135.07	-154.63	-155.38	0.88	0.83	2.45
2,360.00	7.06	225.53	2,346.60	-145.82	-166.17	-166.98	0.36	-0.21	-2.36
2,486.00	6.67	224.55	2,471.70	-156.46	-176.83	-177.70	0.32	-0.31	-0.78
2,611.00	6.33	221.99	2,595.89	-166.76	-186.54	-187.46	0.36	-0.27	-2.05
2,737.00	5.37	236.59	2,721.24	-175.17	-196.10	-197.08	1.40	-0.76	11.59
2,863.00	5.30	237.95	2,846.70	-181.50	-205.96	-206.97	0.11	-0.06	1.08
2,989.00	3.86	250.38	2,972.29	-186.02	-214.89	-215.92	1.38	-1.14	9.87
3,051.00	3.81	252.05	3,034.16	-187.35	-218.81	-219.85	0.20	-0.08	2.69
3,114.00	1.26	199.87	3,097.09	-188.65	-221.04	-222.09	5.07	-4.05	-82.83
3,177.00	3.83	111.05	3,160.04	-190.06	-219.31	-220.37	6.36	4.08	-140.98
3,240.00	7.44	98.73	3,222.73	-191.43	-213.31	-214.38	6.01	5.73	-19.56
3,303.00	10.77	94.67	3,284.93	-192.53	-203.41	-204.48	5.38	5.29	-6.44
3,366.00	13.53	94.50	3,346.51	-193.59	-190.20	-191.27	4.38	4.38	-0.27
3,428.00	15.85	99.91	3,406.48	-195.61	-174.62	-175.71	4.34	3.74	8.73
3,491.00	19.63	101.24	3,466.48	-199.16	-155.76	-156.87	6.03	6.00	2.11
3,554.00	22.06	96.73	3,525.35	-202.61	-133.63	-134.76	4.62	3.86	-7.16
3,617.00	24.70	93.99	3,583.18	-204.91	-108.74	-109.88	4.53	4.19	-4.35
3,680.00	28.15	92.76	3,639.59	-206.54	-80.76	-81.91	5.54	5.48	-1.95
3,743.00	32.33	90.76	3,694.00	-207.48	-49.06	-50.21	6.82	6.63	-3.17
3,807.00	36.30	91.11	3,746.85	-208.08	-12.99	-14.15	6.21	6.20	0.55
3,869.00	39.16	91.69	3,795.88	-209.01	24.94	23.77	4.65	4.61	0.94
3,932.00	43.48	91.60	3,843.19	-210.20	66.51	65.33	6.86	6.86	-0.14
3,995.00	47.92	91.05	3,887.18	-211.24	111.57	110.39	7.08	7.05	-0.87
4,058.00	51.93	89.09	3,927.73	-211.27	159.76	158.58	6.80	6.37	-3.11
4,121.00	56.43	89.02	3,964.59	-210.43	210.83	209.65	7.14	7.14	-0.11
4,184.00	60.35	89.50	3,997.60	-209.74	264.47	263.29	6.26	6.22	0.76
4,216.00	60.72	89.48	4,013.34	-209.49	292.33	291.15	1.16	1.16	-0.06
4,247.00	60.67	89.63	4,028.52	-209.28	319.36	318.18	0.45	-0.16	0.48
4,279.00	60.74	89.67	4,044.18	-209.11	347.27	346.09	0.24	0.22	0.12
4,310.00	60.66	89.60	4,059.35	-208.94	374.30	373.13	0.32	-0.26	-0.23
4,342.00	60.52	89.68	4,075.06	-208.76	402.17	401.00	0.49	-0.44	0.25
4,373.00	60.46	89.77	4,090.33	-208.63	429.15	427.98	0.32	-0.19	0.29
4,436.00	66.07	89.43	4,118.66	-208.24	485.39	484.22	8.92	8.90	-0.54
4,499.00	72.12	89.54	4,141.13	-207.71	544.22	543.05	9.60	9.60	0.17
4,562.00	76.72	90.51	4,158.05	-207.74	604.89	603.72	7.45	7.30	1.54



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #10H
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Well:	#10H	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)
4,624.00	82.82	91.73	4,169.05	-208.94	665.86	664.68	10.03	9.84	1.97
4,687.00	87.66	91.87	4,174.28	-210.91	728.59	727.40	7.69	7.68	0.22
4,813.00	87.69	91.11	4,179.39	-214.19	854.44	853.23	0.60	0.02	-0.60
4,939.00	89.73	90.64	4,182.23	-216.11	980.39	979.17	1.66	1.62	-0.37
5,065.00	89.29	90.07	4,183.30	-216.89	1,106.38	1,105.15	0.57	-0.35	-0.45
5,191.00	88.84	90.33	4,185.36	-217.33	1,232.36	1,231.13	0.41	-0.36	0.21
5,316.00	90.60	90.24	4,185.97	-217.95	1,357.36	1,356.12	1.41	1.41	-0.07
5,443.00	89.79	89.96	4,185.54	-218.17	1,484.35	1,483.11	0.67	-0.64	-0.22
5,570.00	89.20	90.31	4,186.66	-218.47	1,611.35	1,610.10	0.54	-0.46	0.28
5,696.00	88.64	90.12	4,189.03	-218.94	1,737.32	1,736.07	0.47	-0.44	-0.15
5,822.00	91.47	89.89	4,188.91	-218.96	1,863.31	1,862.06	2.25	2.25	-0.18
5,948.00	91.44	89.86	4,185.71	-218.68	1,989.27	1,988.02	0.03	-0.02	-0.02
6,072.00	89.90	89.79	4,184.26	-218.30	2,113.26	2,112.01	1.24	-1.24	-0.06
6,192.00	89.28	89.87	4,185.12	-217.95	2,233.25	2,232.00	0.52	-0.52	0.07
6,313.00	88.61	89.65	4,187.35	-217.44	2,354.23	2,352.98	0.58	-0.55	-0.18
6,432.00	87.99	89.58	4,190.88	-216.64	2,473.18	2,471.93	0.52	-0.52	-0.06
6,553.00	90.41	89.25	4,192.57	-215.41	2,594.15	2,592.90	2.02	2.00	-0.27
6,676.00	91.64	89.87	4,190.37	-214.46	2,717.12	2,715.88	1.12	1.00	0.50
6,797.00	90.15	90.42	4,188.48	-214.77	2,838.10	2,836.86	1.31	-1.23	0.45
6,919.00	89.48	90.37	4,188.87	-215.61	2,960.10	2,958.85	0.55	-0.55	-0.04
7,040.00	88.75	90.03	4,190.74	-216.03	3,081.08	3,079.83	0.67	-0.60	-0.28
7,159.00	87.94	89.29	4,194.18	-215.32	3,200.03	3,198.78	0.92	-0.68	-0.62
7,281.00	87.85	89.28	4,198.66	-213.80	3,321.94	3,320.69	0.07	-0.07	-0.01
7,407.00	89.62	88.68	4,201.44	-211.56	3,447.88	3,446.65	1.48	1.40	-0.48
7,533.00	89.23	88.09	4,202.71	-208.01	3,573.82	3,572.61	0.56	-0.31	-0.47
7,659.00	89.15	88.32	4,204.49	-204.06	3,699.75	3,698.55	0.19	-0.06	0.18
7,785.00	88.36	88.02	4,207.22	-200.04	3,825.65	3,824.48	0.67	-0.63	-0.24
7,911.00	88.08	87.88	4,211.14	-195.54	3,951.51	3,950.36	0.25	-0.22	-0.11
8,037.00	90.27	90.22	4,212.95	-193.45	4,077.47	4,076.32	2.54	1.74	1.86
8,164.00	89.85	90.06	4,212.82	-193.76	4,204.47	4,203.32	0.35	-0.33	-0.13
8,289.00	89.45	90.05	4,213.58	-193.88	4,329.46	4,328.31	0.32	-0.32	-0.01
8,416.00	89.43	90.10	4,214.82	-194.04	4,456.46	4,455.30	0.04	-0.02	0.04
8,541.00	88.86	90.00	4,216.69	-194.15	4,581.44	4,580.29	0.46	-0.46	-0.08
8,667.00	89.31	89.11	4,218.70	-193.17	4,707.42	4,706.27	0.79	0.36	-0.71
8,792.00	88.84	88.70	4,220.72	-190.79	4,832.38	4,831.24	0.50	-0.38	-0.33
8,919.00	91.72	91.05	4,220.10	-190.51	4,959.36	4,958.22	2.93	2.27	1.85
9,045.00	91.25	90.82	4,216.83	-192.56	5,085.30	5,084.14	0.42	-0.37	-0.18
9,170.00	90.83	90.57	4,214.57	-194.08	5,210.27	5,209.10	0.39	-0.34	-0.20
9,296.00	90.35	90.53	4,213.27	-195.29	5,336.25	5,335.08	0.38	-0.38	-0.03
9,422.00	89.85	90.43	4,213.05	-196.35	5,462.25	5,461.07	0.40	-0.40	-0.08
9,549.00	89.31	89.92	4,213.98	-196.73	5,589.24	5,588.06	0.58	-0.43	-0.40
9,675.00	88.81	90.01	4,216.05	-196.66	5,715.23	5,714.04	0.40	-0.40	0.07
9,701.00	88.70	89.85	4,216.61	-196.62	5,741.22	5,740.03	0.75	-0.42	-0.62



Survey Report



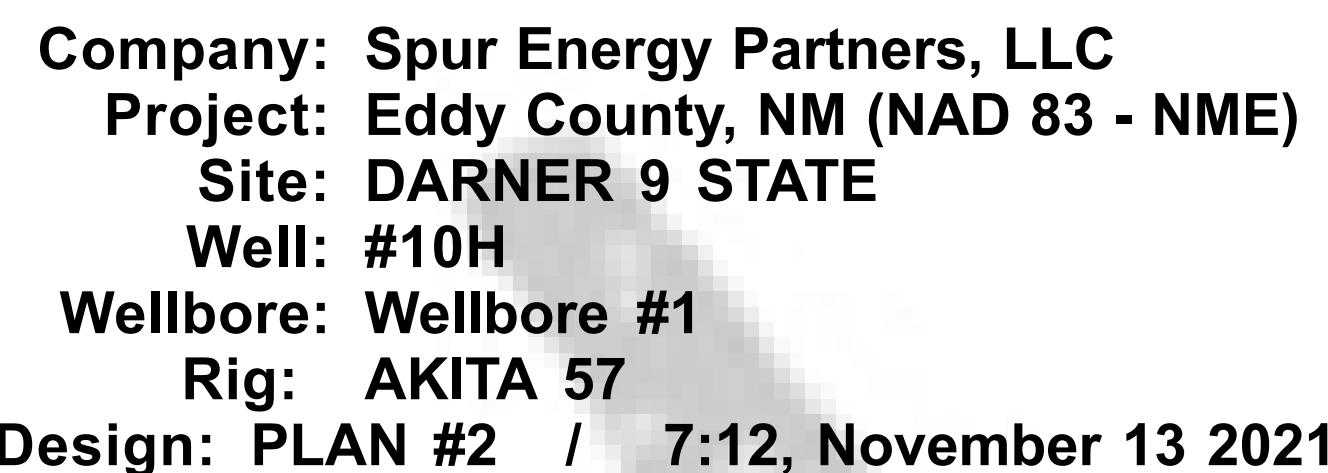
Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #10H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3630.00usft (AKITA 57)
Site:	DARNER 9 STATE	MD Reference:	RKB = 20' @ 3630.00usft (AKITA 57)
Well:	#10H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation 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)
9,772.00	88.70	89.85	4,218.22	-196.44	5,812.20	5,811.01	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FINAL FTP: 1173' FSL - hit/miss target center - Shape - Point	0.00	0.00	4,173.18	-210.26	708.40	671,247.43	616,662.10	32.8450436	-104.0880656
FINAL LTP: 1159' FSL - survey misses target center by 21.69usft at 9701.00usft MD (4216.61 TVD, -196.62 N, 5741.22 E) - Point	0.00	0.00	4,217.10	-196.57	5,762.90	671,261.13	621,716.60	32.8450479	-104.0716074
TD/ FINAL BIT PROJ: - survey hits target center - Point	0.00	0.00	4,218.22	-196.44	5,812.20	671,261.26	621,765.91	32.8450479	-104.0714469

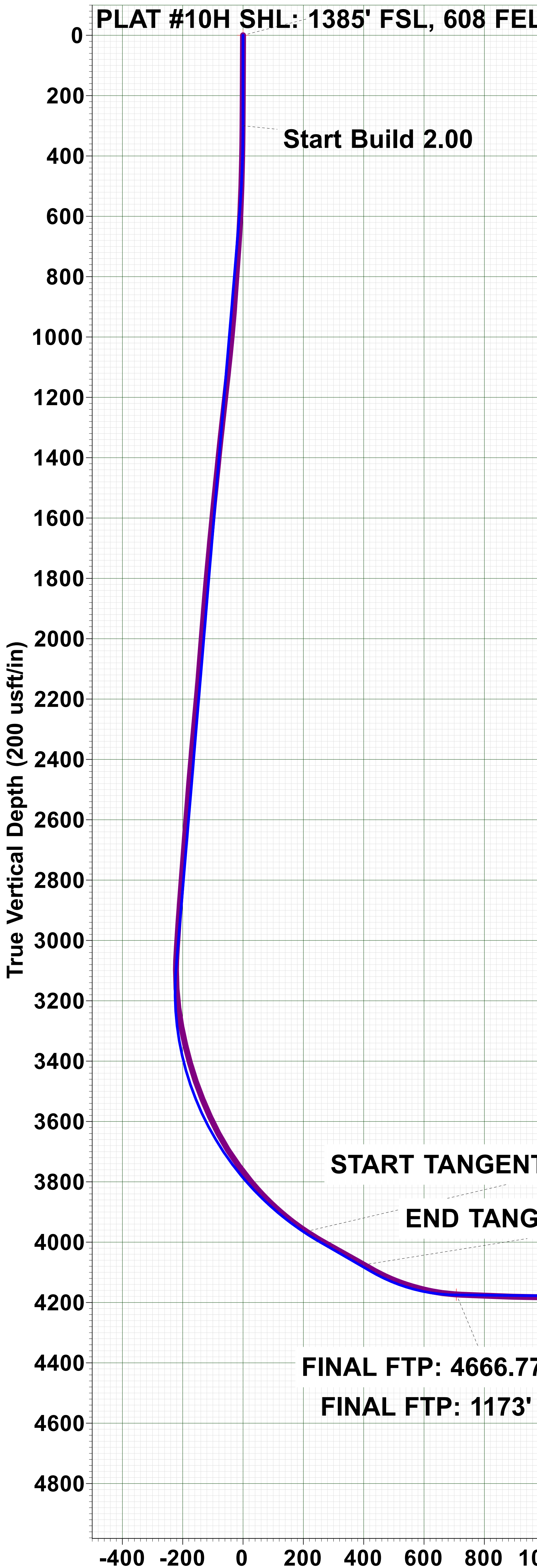
Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,121.00	3,964.59	-210.43	210.83	START TANGENT: 4121.00' MD/ 3964.59' TVD	
4,342.00	4,075.06	-208.76	402.17	END TANGENT: 4342.00' MD/ 4075.06' TVD	
4,666.77	4,173.18	-210.26	708.40	FINAL FTP: 4666.77' MD/ 4173.18' TVD	
9,722.69	4,217.10	-196.57	5,762.90	FINAL LTP: 9722.69' MD/ 4217.10' TVD	
9,772.00	4,218.22	-196.44	5,812.20	TD: Y= 671261.26 / X= 621765.90	
9,772.00	4,218.22	-196.44	5,812.20	Projection to Bit: 9772.00' MD/ 4218.22' TVD	
9,772.00	4,218.22	-196.44	5,812.20	Final Station Closure Distance= 5815.52 /Direction= 91.94	
9,772.00	4,218.22	-196.44	5,812.20	TD: Latitude= 32.8450479 / Longitude= -104.0714469	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northring	Easting	Latitude	Longitude
FINAL FTP: 1173' FSL, 100 FWL	4173.18	-210.26	708.40	671247.44	616662.10	32.8450436	-104.0880656
FINAL LTP: 1159' FSL, 100 FEL	4217.10	-196.57	5762.90	671261.13	621716.60	32.8450479	-104.0716074
PLAT #10H BHL: 1160' FSL, 50 FEL	4225.00	-195.40	5812.90	671262.30	621766.60	32.8450507	-104.0714446
PLAT #10H FTP: 1160' FSL, 100 FWL	4175.00	-223.60	708.40	671234.10	616662.10	32.8450069	-104.0880657
PLAT #10H LTP: 1160' FSL, 100 FEL	4224.58	-195.60	5762.90	671262.10	621716.60	32.8450505	-104.0716074
PLAT #10H SHL: 1383' FSL, 608 FEL	0.00	0.00	0.00	671457.70	615953.70	32.8456260	-104.0930706
TD/ FINAL BIT PROB: 1159' FSL, 51 FEL	4218.22	-196.44	5812.20	671261.26	621765.90	32.8450479	-104.0714469

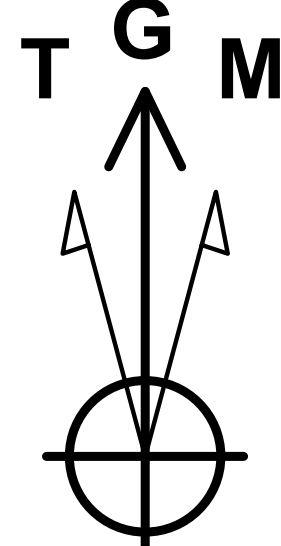


WELL DETAILS: #10H

RKB = 20' @ 3630.00usft (AKITA 57)				
3610.00				
+N/-S	+E/-W	Northing	Easting	Latitude
0.00	0.00	671457.70	615953.70	32.8456260
				-104.0903706

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.000	0.00	
3	612.80	6.26	229.83	612.18	-11.01	-13.04	2.00	229.825	-13.10	
4	3107.00	6.26	229.83	3091.52	-186.35	-220.71	0.00	0.000	-221.75	
5	4188.26	60.00	89.68	3998.27	-226.11	254.34	6.00	-142.192	253.08	
6	4388.26	60.00	89.68	4098.27	-225.15	427.55	0.00	0.000	426.28	
7	4682.64	89.44	89.68	4175.00	-223.60	708.40	10.00	0.000	707.14	PLAT #10H FTP: 1160' FSL, 100 FWL
8	9737.46	89.44	89.68	4224.58	-195.68	5762.90	0.00	0.000	5761.72	PLAT #10H LTP: 1160' FSL, 100 FEL
9	9787.47	89.44	89.68	4225.07	-195.40	5812.90	0.00	0.000	5811.72	PLAT #10H BHL: 1160' FSL, 50 FEL



Azimuths to Grid North
True North: -0.13°
Magnetic North: 6.66°

Magnetic Field
Strength: 47769.2snT
Dip Angle: 60.38°
Date: 10/21/2021
Model: IGRF2020

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

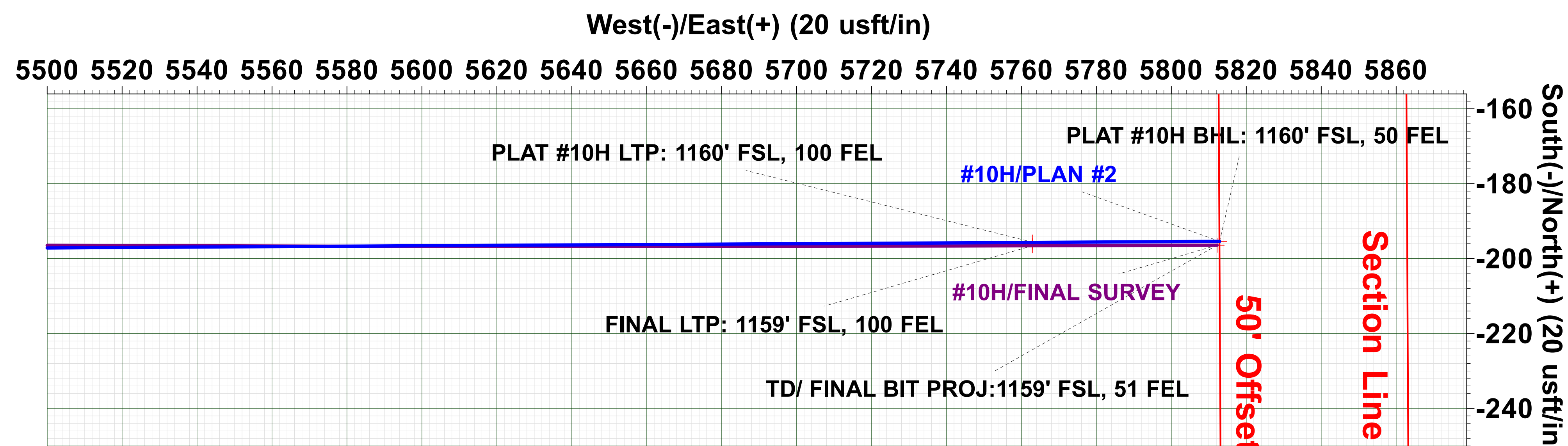
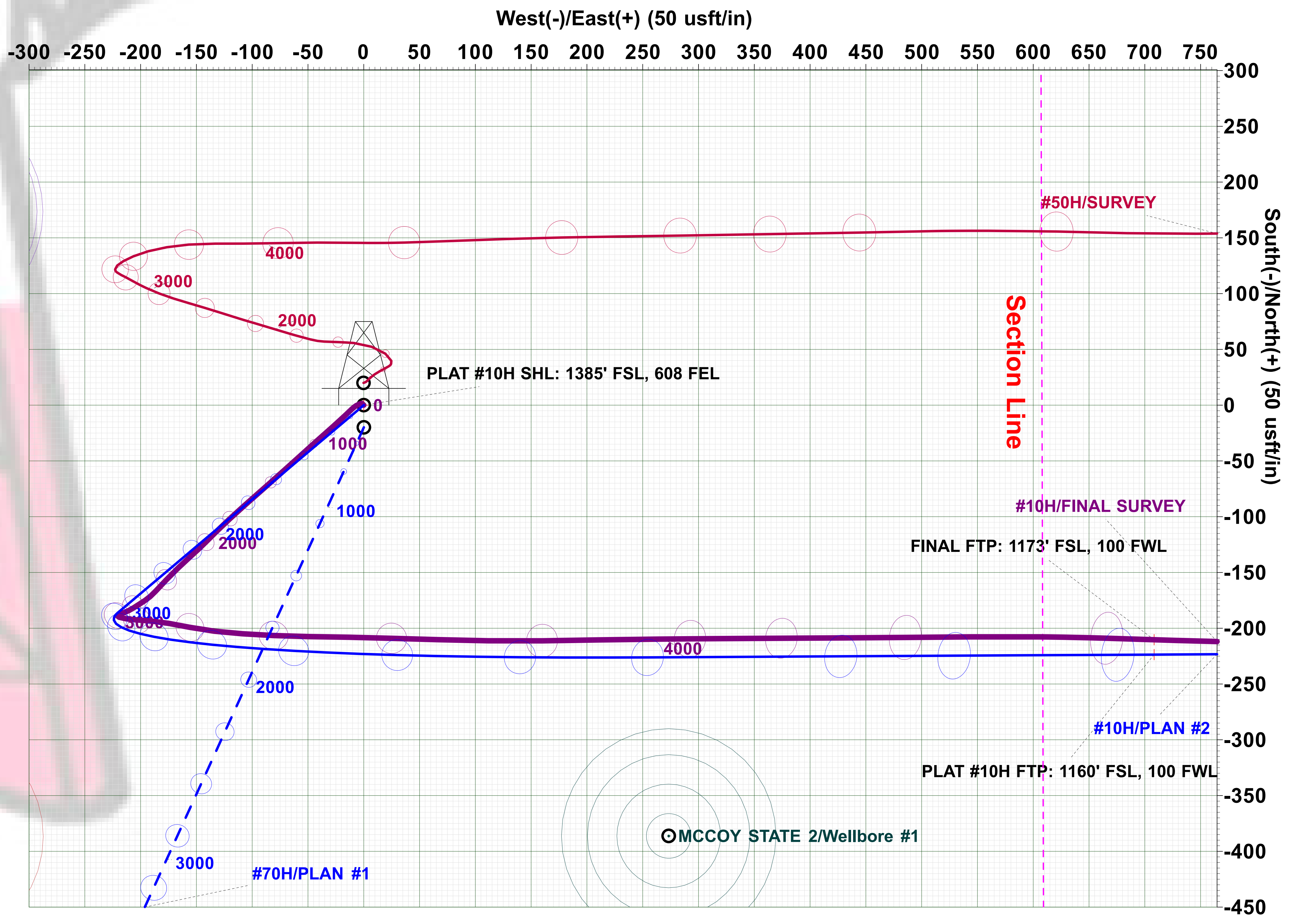
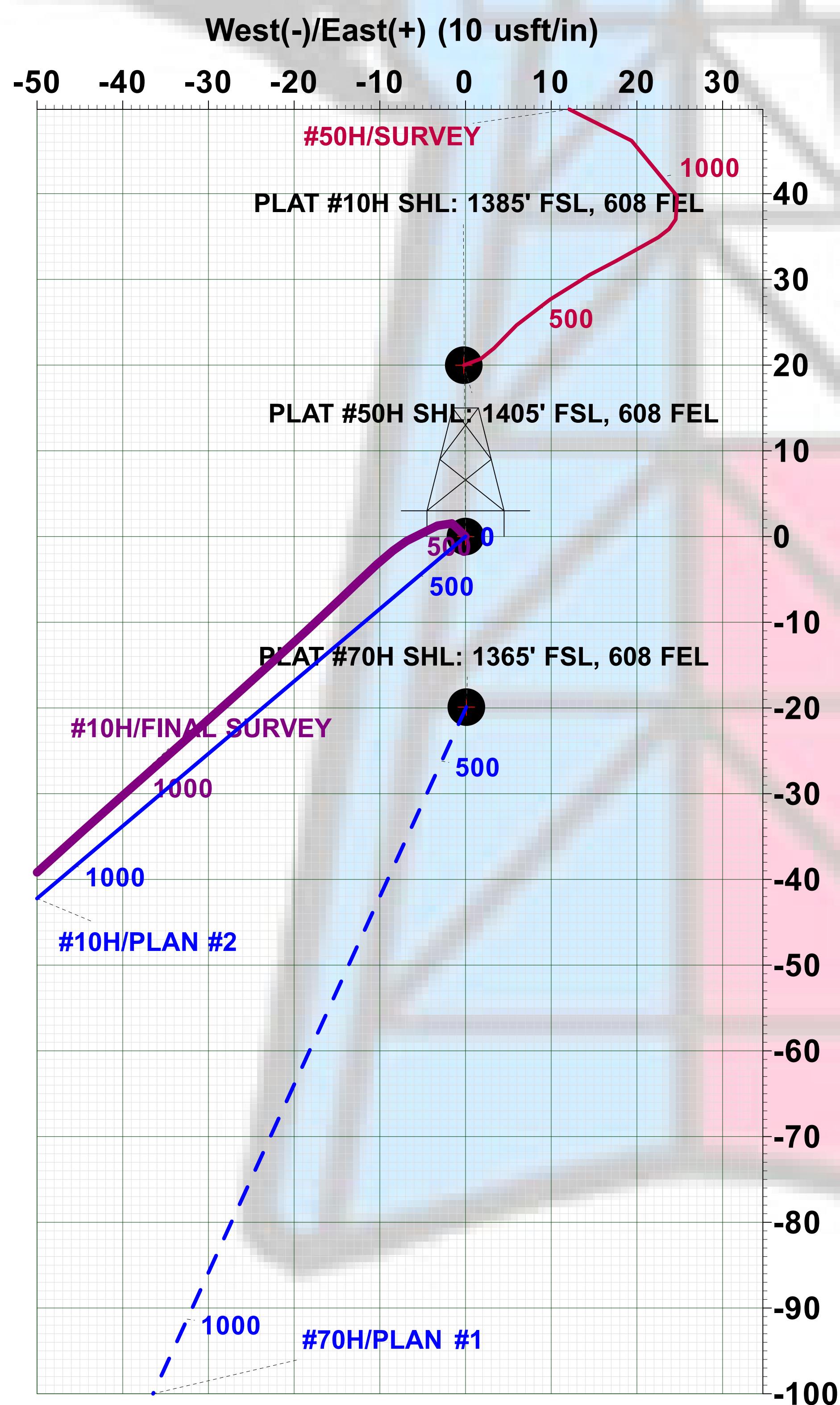
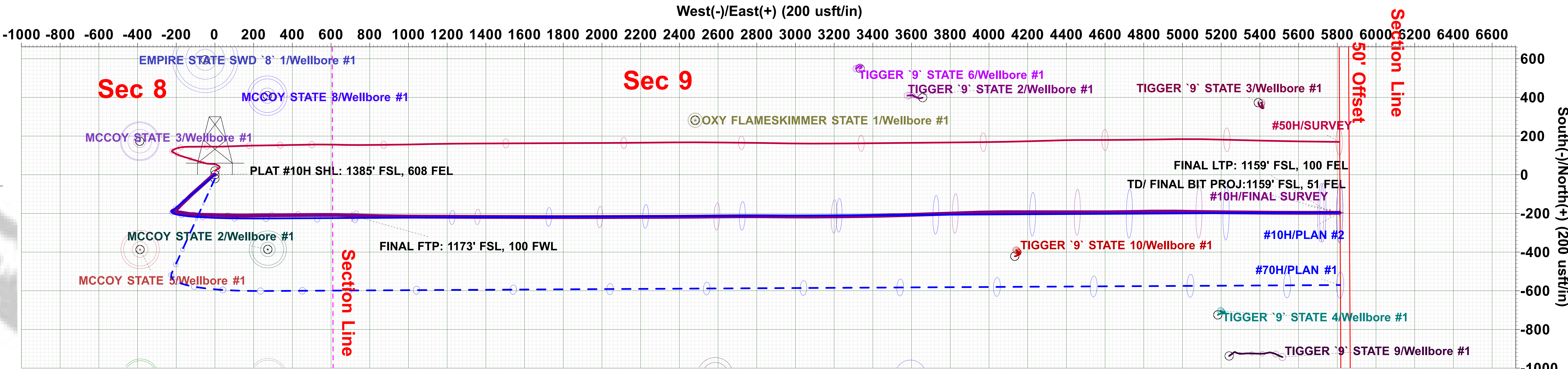
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

CORRECTION REFERENCE DATA:

To convert a Magnetic Direction to a Grid Direction, Add 6.663°
 To convert a True Direction to a Grid Direction, Subtract 0.132°
 To convert a Magnetic Direction to a True Direction, Add 6.795° East
 Magnetic Declination: 6.795°
 Grid Convergence: 0.132° West
 Magnetic Dip Angle: 60.376°
 Magnetic Field Strength: 47769.18608070nT

Disclaimer:

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



FINAL LTP: 9722.69' MD/ 4217.10' TVD
FINAL LTP: 1159' FSL, 100 FEL

#10H/FINAL SURVEY

TD/ FINAL BIT PROJ:1159' FSL, 51 FEL
Projection to Bit: 9772.00' MD/ 4218.22' TVD

TD: Latitude= 32.8450479 / Longitude= -104.0714469
Final Station Closure Distance= 5815.52 /Direction= 91.94

Plan: PLAN #2 (#10H/Wellbore #1) AKITA 57

Created By: Matthew May Date: 7:12, November 13 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

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										
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)								5. Lease Name or Unit Agreement Name DARNER 9 STATE		
								6. Well Number: 10H		
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 EMPIRE; GLORIETA-YESO, EAST				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	I	8	17S	29E		1385	SOUTH	608	EAST	EDDY
BH:	P	9	17S	29E		1159	SOUTH	51	EAST	EDDY
13. Date Spudded 11/06/2021	14. Date T.D. Reached 11/13/2021		15. Date Rig Released 11/14/2021			16. Date Completed (Ready to Produce) 01/26/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3610' GR		
18. Total Measured Depth of Well 4218'V/9772'M			19. Plug Back Measured Depth 4218'V/9725'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 4672'-9704' YESO										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8"		54.5		795'		17-1/2"		785 SXS (CIRC TO SURFACE)		0
9-5/8"		36		1937'		12-1/4"		555 SXS (CIRC TO SURFACE)		0
7"		32		4389'		8-3/4"		1590 SXS (CIRC TO SURFACE)		0
5-1/2"		20		9772'		8-3/4"		1590 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"	4178'				
26. Perforation record (interval, size, and number) 01/04/2022 RIH & cleanout to PBD @ 9772'. RIH & perf from 4672'-9704', total 900 shots/ft @ 0.42 shot size. Frac in 25 stages w/ 12473790 gal slickwater and 5020979# sand. 01/14/2022 rig down wireline and cleanout. RIH w/ 3-1/2" J-55 tbg @ 4310'.						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						4672'-9704'		12473790 gal slickwater and 5020979# sand		
28. PRODUCTION										
Date First Production 01/31/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING ON ESP				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 02/16/2022	Hours Tested 24-HOURS	Choke Size N/A	Prod'n For Test Period	Oil - Bbl 552	Gas - MCF 695	Water - Bbl. 2399	Gas - Oil Ratio			
Flow Tubing Press. 208	Casing Pressure 126	Calculated 24-Hour Rate	Oil - Bbl. 552	Gas - MCF 695	Water - Bbl. 2399	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By JERRY MATHEWS			
31. List Attachments WBD, FINAL C-104, AS DRILLED C-102										
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										
Signature <i>Sarah Chapman</i>			Printed Name SARAH CHAPMAN			Title REGULATORY DIRECTOR			Date 03/16/2022	
E-mail Address SCHAPMAN@SPURENERGY.COM										

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 285'	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 875'	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 1150'	T. Devonian	T. Cliff House	T. Leadville
T. Queen 1715'	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 3885'	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 3970'	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 3, from.....to.....

No. 2, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

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

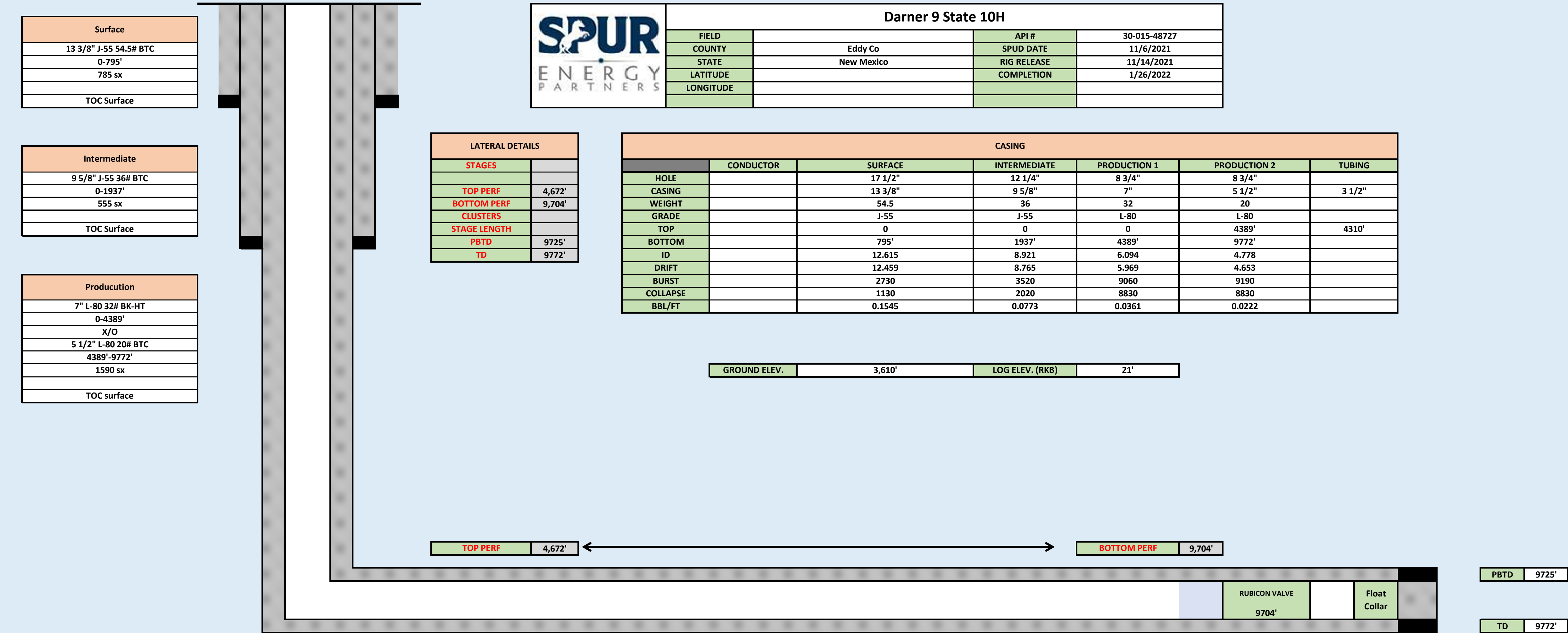
No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
285'	875'	590'	DOLOMITE; LIMESTONE				
875'	1150'	275'	DOLOMITE, LIMESTONE				
1150'	1715'	565'	DOLOMITE, LIMESTONE				
1715'	3885'	2170'	DOLOMITE				
3885'	3970'	85'	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 90687

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90687
	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 90687

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 90687
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	9/25/2024