

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 06/17/2021
⁴ API Number 30 - 015- 46068	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 19H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
4	3	20S	25E		645	NORTH	605	WEST	EDDY

¹¹ Bottom Hole Location FTP: 106' FSL 375' FWL LTP: 172' FSL 366' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	34	19S	25E		67	NORTH	368	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/29/2021	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 2828 N. HARWOOD, SUITE 1300, DALLAS, TX 75201	O
147831	LUCID ENERGY DELAWARE, LLC 3100 MCKINNION ST., SUITE 800, DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 11/6/2020	²² Ready Date 4/1/2021	²³ TD 2740'V/8482'M	²⁴ PBTD 2740'V/8482'M	²⁵ Perforations 3287'-8377'	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		1039'		430 SXS (CIRC 51 SXS)
8-3/4"		7" 32# L-80 BTC		2913'		1395 SXS (CIRC 448 SXS)
8-3/4"		5-1/2" 20# L-80 BK-HT		8482'		1395 SXS (CIRC 448 SXS)
		3-1/2" J-55 TBG		2844'		

V. Well Test Data

³¹ Date New Oil 04/04/2021	³² Gas Delivery Date 04/04/2021	³³ Test Date 05/08/2021	³⁴ Test Length 24-HOURS	³⁵ Tbg. Pressure 220	³⁶ Csg. Pressure 105
³⁷ Choke Size NA	³⁸ Oil 565	³⁹ Water 2296	⁴⁰ Gas 690		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	
Printed name: SARAH CHAPMAN		Approved by: KURT SIMMONS	
Title: REGULATORY DIRECTOR		Title: NMOCDC, SANTA FE	
E-mail Address: SCHAPMAN@SPUREPLLC.COM		Approval Date: 08/16/2021	
Date: 06/17/2021	Phone: 832-930-8613	Requests for NMOCDC extension of time to file BLM approved 3160-4. Will file 3160-4 within 10 days of BLM approval.	

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 30-015-46068	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETS-YESO
Property Code 325865	Property Name LAKEWOOD FEDERAL COM	Well Number 19H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3525'

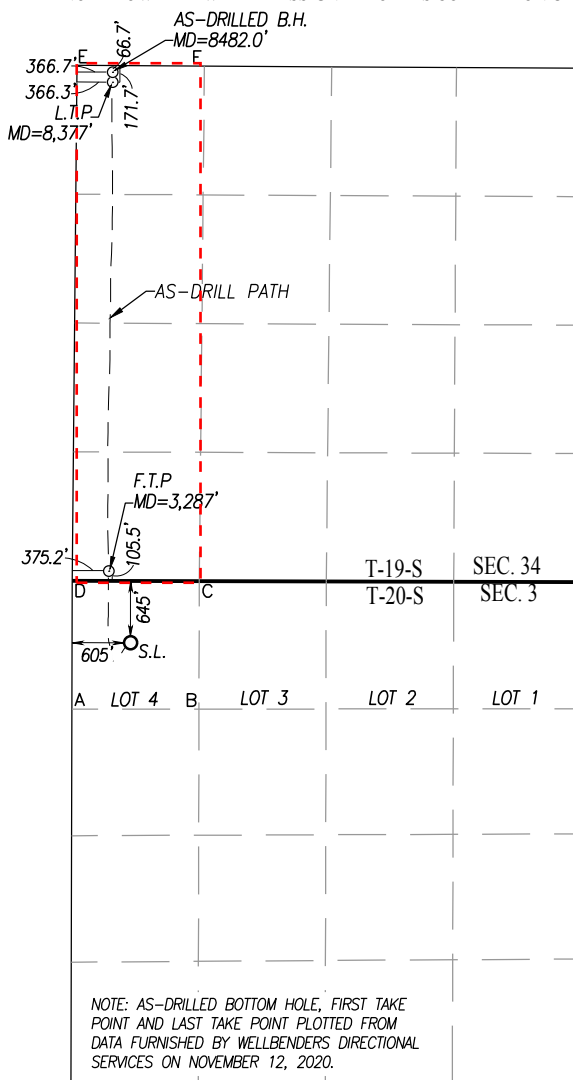
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	3	20-S	25-E		645	NORTH	605	WEST	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
D	34	19-S	25-E		66.7	NORTH	366.7	WEST	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'

AS-DRILLED BOTTOM HOLE LOCATION	AS-DRILLED BOTTOM HOLE LOCATION
NAD 83 NME	NAD 27 NME
Y= 590875.8 N	Y= 590815.0 N
X= 496205.1 E	X= 455026.6 E
LAT.=32.624282° N	LAT.=32.624169° N
LONG.=104.479929° W	LONG.=104.479409° W
LAST TAKE POINT	LAST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 590770.8 N	Y= 590710.0 N
X= 496203.7 E	X= 455025.3 E
LAT.=32.623994° N	LAT.=32.623881° N
LONG.=104.479933° W	LONG.=104.479413° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 584180.0 N, X= 454608.0 E	B - Y= 584181.2 N, X= 455929.3 E
C - Y= 585514.1 N, X= 455932.2 E	D - Y= 585518.4 N, X= 454611.4 E
E - Y= 590883.8 N, X= 454660.7 E	F - Y= 590876.2 N, X= 455985.8 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 584240.6 N, X= 495786.5 E	B - Y= 584241.8 N, X= 497107.8 E
C - Y= 585574.7 N, X= 497110.7 E	D - Y= 585579.0 N, X= 495789.9 E
E - Y= 590944.5 N, X= 495839.1 E	F - Y= 590937.0 N, X= 497164.3 E

FIRST TAKE POINT	FIRST TAKE POINT
NAD 83 NME	NAD 27 NME
Y= 585683.3 N	Y= 585622.7 N
X= 496166.0 E	X= 454987.5 E
LAT.=32.610009° N	LAT.=32.609896° N
LONG.=104.480033° W	LONG.=104.479513° W

GEODETIC COORDINATES	GEODETIC COORDINATES
NAD 83 NME	NAD 27 NME
SURFACE LOCATION	SURFACE LOCATION
Y= 584932.2 N	Y= 584871.6 N
X= 496393.1 E	X= 455214.6 E
LAT.=32.607945° N	LAT.=32.607832° N
LONG.=104.479292° W	LONG.=104.478772° 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 4/1/2021
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.

SEPTEMBER 24, 2020
Date of Survey
Signature & Seal of Professional Surveyor:

Gary G. Eidson 04/01/2021
Certificate Number Gary G. Eidson 12641
Ronald J. Eidson 3239

ACK REL. W.O.:20130583 JWSC W.O.: 21.13.0138



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Lakewood Unit

#19H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

12 November, 2020





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #19H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3545.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3545.00usft
Well:	#19H	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	#19H					
Well Position	+N/-S	0.00 usft	Northing:	584,932.20 usft	Latitude:	32.6079456
	+E/-W	0.00 usft	Easting:	496,393.10 usft	Longitude:	-104.4792920
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,525.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/05/20	7.047	60.228	47,727.44858149

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	0.53	

Survey Program	Date	11/12/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
167.00	8,482.00	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	
167.00	0.70	12.92	167.00	0.99	0.23	1.00	0.42	0.42	0.00	
288.00	0.31	354.38	287.99	2.04	0.36	2.04	0.35	-0.32	-15.32	
409.00	3.12	245.83	408.93	1.02	-2.68	0.99	2.67	2.32	-89.71	
530.00	5.93	236.95	529.54	-3.74	-10.92	-3.84	2.39	2.32	-7.34	
652.00	9.10	230.89	650.48	-13.27	-23.69	-13.48	2.67	2.60	-4.97	
773.00	11.87	220.78	769.46	-28.73	-39.25	-29.09	2.74	2.29	-8.36	
894.00	14.33	214.01	887.31	-50.57	-55.76	-51.08	2.39	2.03	-5.60	
1,014.00	13.93	210.94	1,003.68	-75.27	-71.49	-75.93	0.71	-0.33	-2.56	
1,178.00	12.48	211.82	1,163.34	-107.26	-90.98	-108.10	0.89	-0.88	0.54	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #19H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3545.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3545.00usft
Well:	#19H	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)	
1,298.00	12.79	214.37	1,280.44	-129.24	-105.32	-130.21	0.53	0.26	2.12	
1,425.00	13.05	215.86	1,404.22	-152.46	-121.65	-153.58	0.33	0.20	1.17	
1,551.00	13.36	217.44	1,526.89	-175.55	-138.84	-176.83	0.38	0.25	1.25	
1,614.00	11.21	230.71	1,588.46	-185.21	-148.00	-186.57	5.61	-3.41	21.06	
1,677.00	9.89	251.72	1,650.41	-190.79	-157.89	-192.24	6.41	-2.10	33.35	
1,740.00	8.84	271.85	1,712.59	-192.33	-167.86	-193.87	5.43	-1.67	31.95	
1,803.00	8.75	293.12	1,774.86	-190.29	-177.11	-191.92	5.14	-0.14	33.76	
1,866.00	8.92	316.85	1,837.14	-184.85	-184.86	-186.55	5.75	0.27	37.67	
1,929.00	9.76	339.70	1,899.32	-176.27	-190.06	-178.02	5.99	1.33	36.27	
1,992.00	12.44	353.32	1,961.15	-164.52	-192.70	-166.29	5.92	4.25	21.62	
2,055.00	15.74	0.26	2,022.25	-149.23	-193.45	-151.01	5.88	5.24	11.02	
2,118.00	19.78	0.88	2,082.23	-130.02	-193.25	-131.80	6.42	6.41	0.98	
2,181.00	22.55	352.44	2,140.99	-107.37	-194.67	-109.17	6.53	4.40	-13.40	
2,244.00	25.71	344.62	2,198.50	-82.21	-199.89	-84.06	7.13	5.02	-12.41	
2,307.00	30.46	344.62	2,254.06	-53.62	-207.75	-55.54	7.54	7.54	0.00	
2,370.00	34.46	345.85	2,307.21	-20.93	-216.35	-22.93	6.43	6.35	1.95	
2,433.00	38.37	350.07	2,357.91	15.64	-224.08	13.56	7.37	6.21	6.70	
2,495.00	42.24	354.99	2,405.19	55.37	-229.22	53.25	8.08	6.24	7.94	
2,558.00	46.81	358.24	2,450.10	99.45	-231.78	97.31	8.10	7.25	5.16	
2,620.00	50.51	0.00	2,491.05	145.99	-232.48	143.83	6.34	5.97	2.84	
2,683.00	54.42	1.32	2,529.42	195.93	-231.89	193.78	6.42	6.21	2.10	
2,715.00	57.32	1.67	2,547.38	222.41	-231.19	220.26	9.11	9.06	1.09	
2,746.00	59.08	1.93	2,563.71	248.74	-230.36	246.60	5.72	5.68	0.84	
2,778.00	60.00	2.11	2,579.93	276.31	-229.39	274.17	2.92	2.87	0.56	
2,809.00	61.10	1.67	2,595.17	303.28	-228.50	301.16	3.76	3.55	-1.42	
2,841.00	62.42	0.88	2,610.32	331.47	-227.88	329.35	4.66	4.12	-2.47	
2,873.00	62.29	359.56	2,625.16	359.81	-227.77	357.69	3.68	-0.41	-4.12	
2,936.00	61.27	358.59	2,654.95	415.32	-228.66	413.18	2.11	-1.62	-1.54	
2,999.00	66.07	359.12	2,682.89	471.75	-229.78	469.61	7.66	7.62	0.84	
3,062.00	71.21	0.26	2,705.83	530.40	-230.09	528.25	8.33	8.16	1.81	
3,125.00	76.13	1.06	2,723.54	590.84	-229.39	588.69	7.90	7.81	1.27	
3,188.00	81.80	1.23	2,735.59	652.64	-228.15	650.50	9.00	9.00	0.27	
3,251.00	87.78	0.53	2,741.31	715.34	-227.19	713.21	9.56	9.49	-1.11	
3,314.00	90.15	359.74	2,742.45	778.32	-227.04	776.19	3.97	3.76	-1.25	
3,441.00	89.71	358.68	2,742.60	905.31	-228.79	903.15	0.90	-0.35	-0.83	
3,588.00	92.70	358.33	2,739.51	1,052.21	-232.63	1,050.01	2.05	2.03	-0.24	
3,715.00	90.29	359.21	2,736.20	1,179.13	-235.35	1,176.90	2.02	-1.90	0.69	
3,841.00	89.98	359.83	2,735.90	1,305.12	-236.41	1,302.88	0.55	-0.25	0.49	
3,967.00	90.37	1.14	2,735.52	1,431.11	-235.34	1,428.88	1.08	0.31	1.04	
4,093.00	89.93	1.58	2,735.19	1,557.08	-232.35	1,554.86	0.49	-0.35	0.35	
4,220.00	88.62	0.44	2,736.79	1,684.04	-230.11	1,681.84	1.37	-1.03	-0.90	
4,345.00	88.57	359.12	2,739.86	1,809.00	-230.59	1,806.79	1.06	-0.04	-1.06	
4,472.00	89.36	358.16	2,742.15	1,935.94	-233.61	1,933.70	0.98	0.62	-0.76	
4,596.00	90.02	0.70	2,742.82	2,059.92	-234.84	2,057.66	2.12	0.53	2.05	



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #19H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3545.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3545.00usft
Well:	#19H	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)
4,724.00	91.08	1.14	2,741.59	2,187.90	-232.78	2,185.65	0.90	0.83	0.34
4,850.00	89.93	1.14	2,740.48	2,313.87	-230.28	2,311.64	0.91	-0.91	0.00
4,977.00	90.77	1.76	2,739.71	2,440.82	-227.06	2,438.62	0.82	0.66	0.49
5,103.00	89.76	1.50	2,739.13	2,566.77	-223.48	2,564.59	0.83	-0.80	-0.21
5,229.00	90.46	2.11	2,738.88	2,692.70	-219.51	2,690.56	0.74	0.56	0.48
5,356.00	89.80	1.67	2,738.59	2,819.63	-215.32	2,817.52	0.62	-0.52	-0.35
5,483.00	89.93	0.70	2,738.89	2,946.60	-212.70	2,944.51	0.77	0.10	-0.76
5,609.00	90.29	359.65	2,738.65	3,072.60	-212.31	3,070.51	0.88	0.29	-0.83
5,735.00	91.12	0.53	2,737.10	3,198.59	-212.11	3,196.49	0.96	0.66	0.70
5,861.00	89.54	0.62	2,736.38	3,324.58	-210.85	3,322.48	1.26	-1.25	0.07
5,986.00	89.71	1.50	2,737.19	3,449.55	-208.54	3,447.48	0.72	0.14	0.70
6,112.00	90.11	0.97	2,737.39	3,575.52	-205.82	3,573.46	0.53	0.32	-0.42
6,233.00	90.20	0.00	2,737.06	3,696.52	-204.80	3,694.46	0.81	0.07	-0.80
6,354.00	89.67	1.06	2,737.20	3,817.51	-203.68	3,815.46	0.98	-0.44	0.88
6,475.00	89.63	1.76	2,737.94	3,938.47	-200.70	3,936.44	0.58	-0.03	0.58
6,596.00	89.93	2.02	2,738.41	4,059.40	-196.71	4,057.41	0.33	0.25	0.21
6,718.00	90.46	1.50	2,737.99	4,181.34	-192.96	4,179.38	0.61	0.43	-0.43
6,839.00	90.37	1.67	2,737.11	4,302.29	-189.62	4,300.35	0.16	-0.07	0.14
6,960.00	89.71	0.62	2,737.03	4,423.27	-187.20	4,421.35	1.02	-0.55	-0.87
7,080.00	89.71	0.26	2,737.64	4,543.26	-186.28	4,541.34	0.30	0.00	-0.30
7,201.00	89.49	0.44	2,738.48	4,664.26	-185.54	4,662.34	0.23	-0.18	0.15
7,323.00	89.80	0.70	2,739.24	4,786.25	-184.32	4,784.34	0.33	0.25	0.21
7,448.00	88.84	358.68	2,740.72	4,911.23	-185.00	4,909.31	1.79	-0.77	-1.62
7,574.00	89.32	359.12	2,742.74	5,037.19	-187.42	5,035.24	0.52	0.38	0.35
7,700.00	89.54	359.21	2,744.00	5,163.17	-189.26	5,161.20	0.19	0.17	0.07
7,826.00	90.51	359.56	2,743.94	5,289.16	-190.61	5,287.17	0.82	0.77	0.28
7,952.00	90.73	359.56	2,742.58	5,415.15	-191.58	5,413.14	0.17	0.17	0.00
8,078.00	89.85	0.18	2,741.94	5,541.14	-191.86	5,539.13	0.85	-0.70	0.49
8,204.00	89.80	0.53	2,742.33	5,667.14	-191.08	5,665.13	0.28	-0.04	0.28
8,330.00	90.37	0.53	2,742.14	5,793.14	-189.91	5,791.13	0.45	0.45	0.00
8,429.00	90.86	0.79	2,741.08	5,892.12	-188.77	5,890.12	0.56	0.49	0.26
8,482.00	90.86	0.79	2,740.28	5,945.11	-188.04	5,943.12	0.00	0.00	0.00
TD: Y= 590877.31 / X= 496205.06 - Final Station Closure= 5948.08 /Direction= 358.19 - Projection to Bit: 8482.0									



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #19H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3545.00usft
Site:	Lakewood Unit	MD Reference:	RKB = 20' @ 3545.00usft
Well:	#19H	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
#19H Final Bit Proj @ - actual wellpath hits target center - Point	0.00	360.00	2,740.28	5,945.11	-188.04	590,877.31	496,205.06	32.6242863	-104.4799294
100' FNL @ 8447.11' I - actual wellpath misses target center by 18.11usft at 8429.00usft MD (2741.08 TVD, 5892.12 N, -188.77 E) - Point	0.00	360.00	2,740.81	5,910.23	-188.52	590,842.43	496,204.58	32.6241904	-104.4799308
100' FSL @ 3281.25' - actual wellpath hits target center - Point	0.00	360.00	2,742.18	745.58	-227.01	585,677.78	496,166.09	32.6099941	-104.4800326

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,482.00	2,740.28	5,945.11	-188.04	TD: Y= 590877.31 / X= 496205.06
8,482.00	2,740.28	5,945.11	-188.04	Final Station Closure Distance= 5948.08 /Direction= 358.19
8,482.00	2,740.28	5,945.11	-188.04	Projection to Bit: 8482.00' MD/ 2740.28' TVD
8,482.00	2,740.28	5,945.11	-188.04	TD: Latitude= 32.6242863 / Longitude= -104.4799294

Checked By: _____ Approved By: _____ Date: _____



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Lakewood Unit
Well: #19H
Wellbore: Wellbore #1
Rig:
Design: Plan #1 / 8:24, November 12 2020

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

WELL DETAILS: #19H

RKB = 20' @ 3545.00usft
3525.00

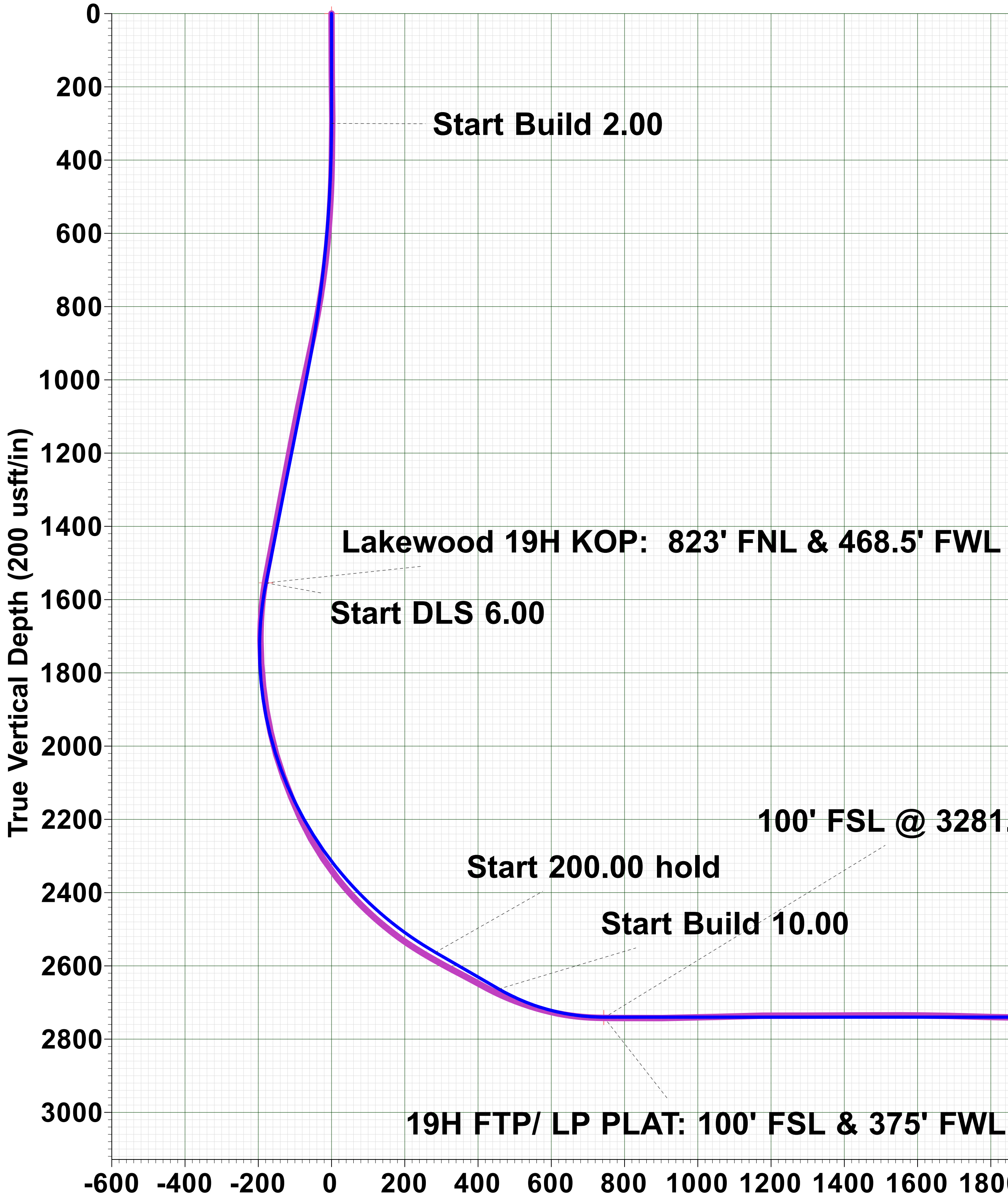
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	584932.20	496393.10	32.6079455	-104.4792921

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	994.63	13.89	217.59	987.84	-66.41	-51.12	2.00	-66.88	
4	1578.44	13.89	217.59	1554.58	-177.49	-136.62	0.00	-178.74	
5	2767.95	60.00	0.53	2563.24	285.94	-231.61	6.00	283.78	
6	2967.95	60.00	0.53	2663.24	459.13	-230.03	0.00	456.99	
7	3267.95	90.00	0.53	2740.00	745.60	-227.40	10.00	743.46	19H FTP/ LP PLAT: 100' FSL & 375' FWL
8	8432.77	90.00	0.53	2740.00	5910.20	-180.06	0.00	5908.28	19H LTP PLAT: 100' FNL
9	8482.77	90.00	0.53	2740.00	5960.20	-179.60	0.00	5958.28	Lakewood 19H PBHL PLAT: 50' FNL & 375' FWL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Lakewood 19H SHL: 645' FNL & 605' FWL	0.00	0.00	0.00	584932.20	496393.10	32.6079455	-104.4792921
Lakewood 19H KOP: 823' FNL & 468.5' FWL	1554.58	-177.49	-136.62	584754.71	496256.48	32.6074572	-104.4797349
19H FTP/ LP PLAT: 100' FSL & 375' FWL	2740.00	745.60	-227.40	585677.80	496165.70	32.6099941	-104.4800339
19H LTP PLAT: 100' FNL	2740.00	5910.20	-180.00	590842.40	496213.10	32.6241904	-104.4799031
Lakewood 19H PBHL PLAT: 50' FNL & 375' FWL	2740.00	5960.20	-179.60	590892.40	496213.50	32.6243278	-104.4799020
#19H Final Bit Proj @ 8482' MD (65' FNL)	2740.28	5945.11	-188.04	590877.31	496205.06	32.6242863	-104.4799294
100' FNL @ 8447.11' MD	2740.81	5910.23	-188.52	590842.43	496204.58	32.6241904	-104.4799308
100' FSL @ 3281.25' MD	2742.18	745.58	-227.01	585677.78	496166.09	32.6099941	-104.4800326



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

Final Station Closure Distance= 5948.08 /Direction= 358.19

TD: Latitude= 32.6242863 / Longitude= -104.4799294

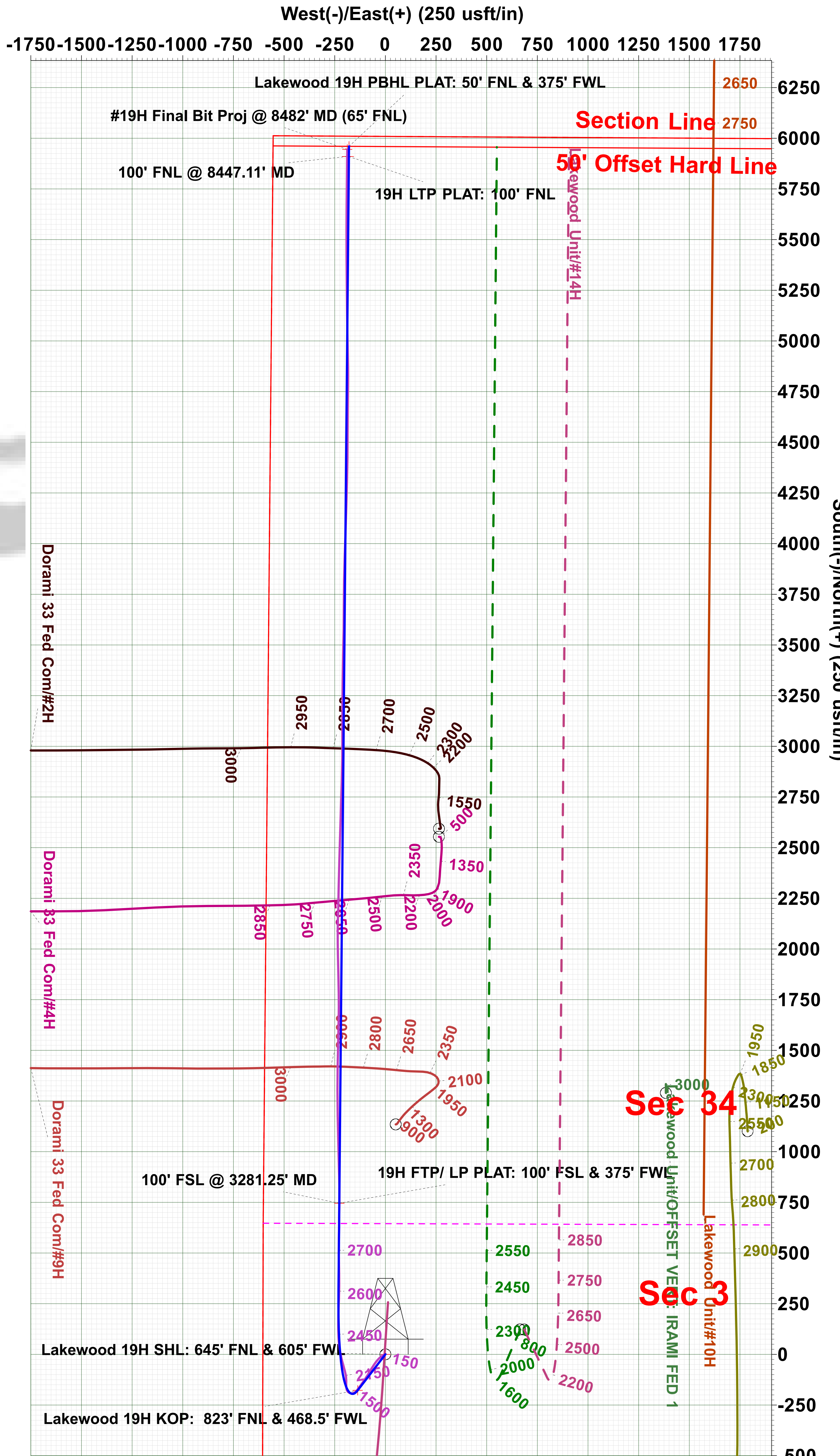
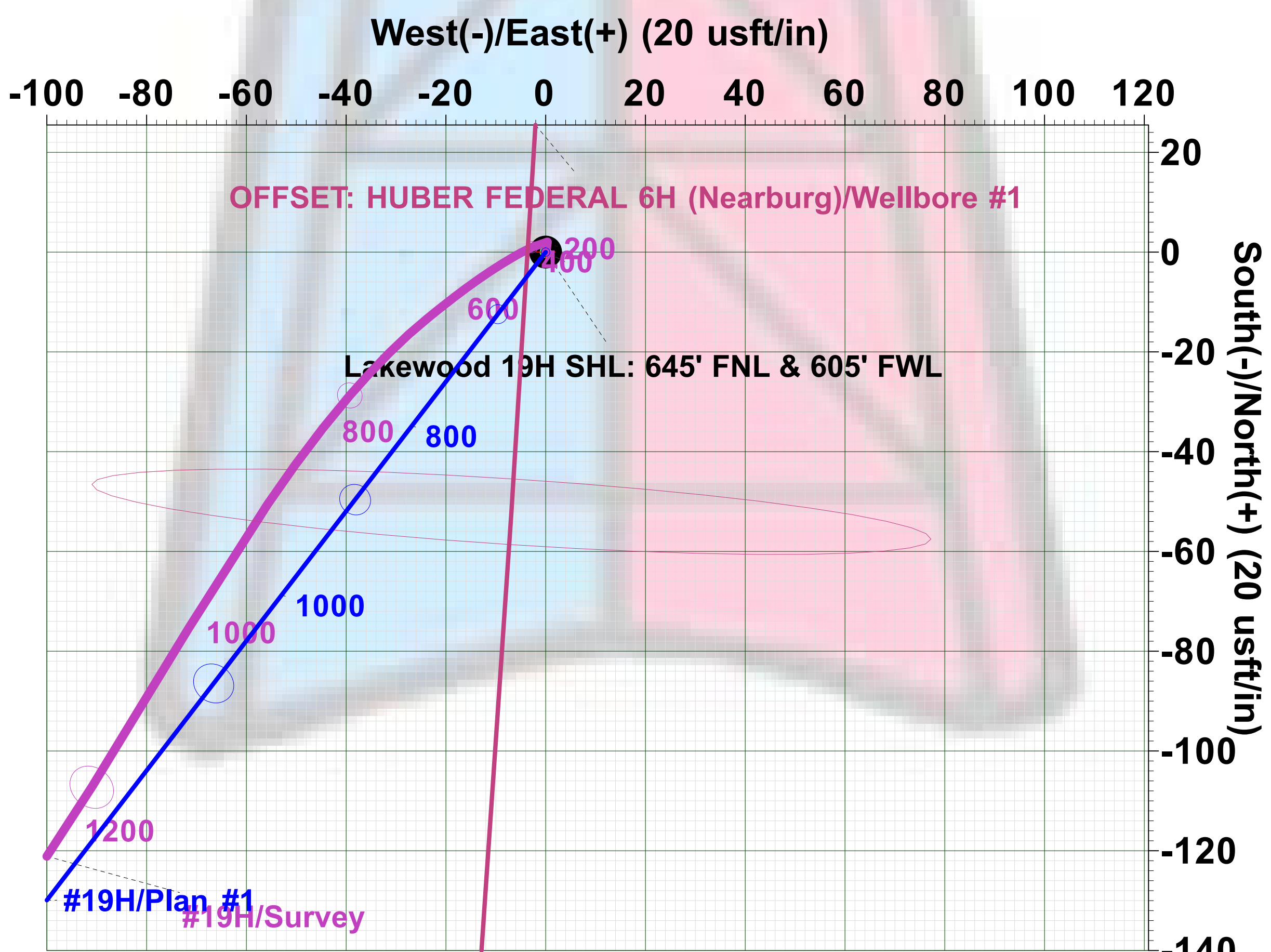
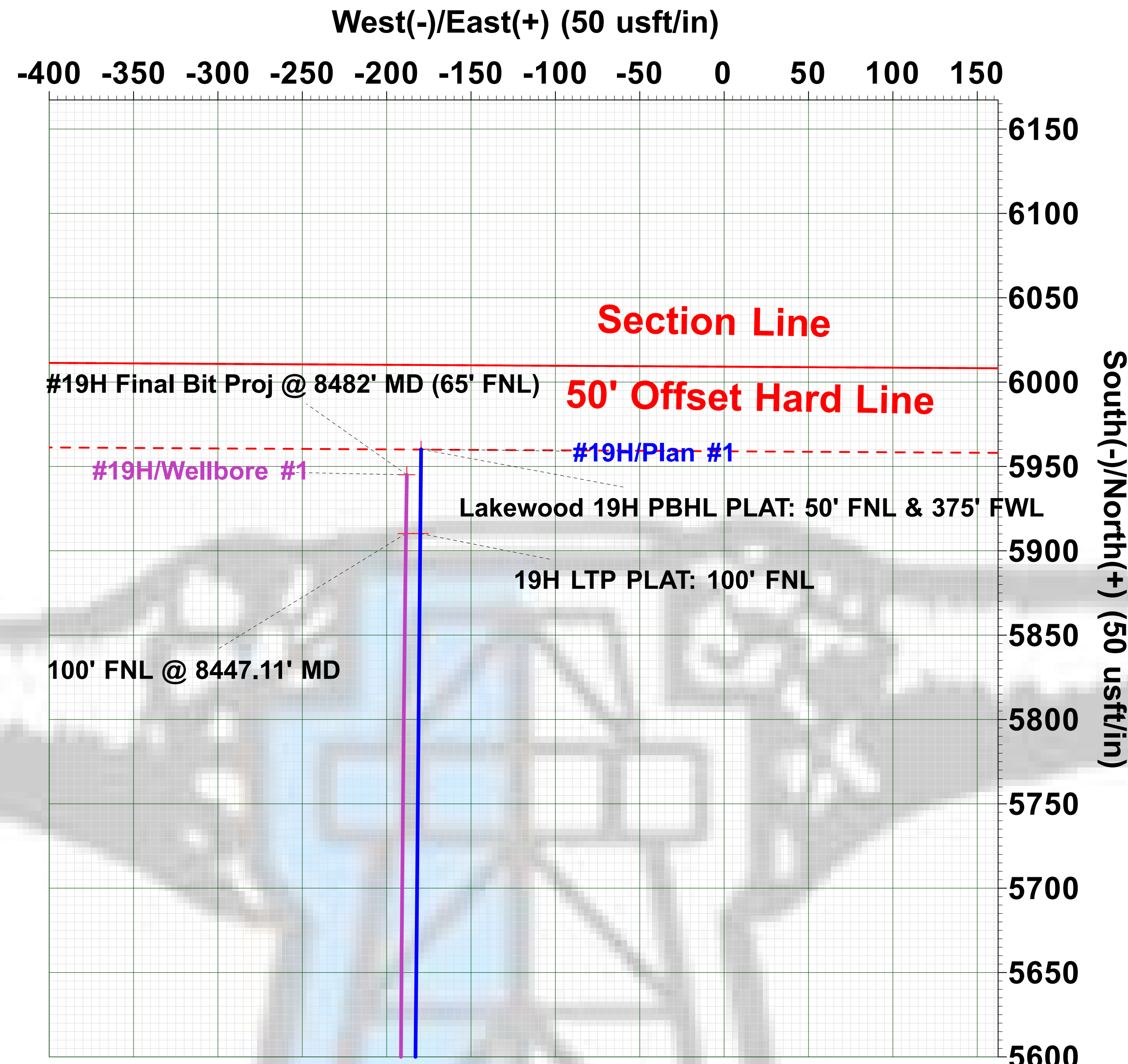
Projection to Bit: 8482.00' MD/ 2740.28' TVD

TD: Y= 590877.31 / X= 496205.06

#19H/Survey

#19H/Plan #1

19H LTP PLAT: 100' FNL



CORRECTION REFERENCE DATA:
To convert a Magnetic Direction to a Grid Direction, Add 7.126°
To convert a True Direction to a Grid Direction, Add 0.079°
To convert a Magnetic Direction to a True Direction, Add 7.047° East
Magnetic Declination: 7.047°
Magnetic Dip Angle: 60.228°
Magnetic Field Strength: 47727.44858149nT

Geographic Information:
Azimuth to Grid North: 0.08°
True North: 0.08°
Magnetic North: 7.13°
Magnetic Field Strength: 47727.44nT
Dip Angle: 60.23°
Date: 10/05/2020
Model: IGRF2015

Plan: Plan #1 (#19H/Wellbore #1)

Created By: Matthew May Date: 8:24, November 12 2020



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **11/06/20** thru **11/12/20** conduct or supervise the taking of a **MWD Survey** from a depth of **167'** to a depth of **8482'**; 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 19H** API No. **30-015-46068** 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: T20S / R25E / SEC 3 / LOT 4 / 32.608193 / -104.479292	County or Parish/State: EDDY / NM
Well Number: 19H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM014758, NMNM14758	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546068	Well Status: Drilling Well	Operator: PERCUSSION PETROLEUM OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Hydraulic Fracturing
Date Sundry Submitted: 04/06/2021	Time Sundry Submitted: 09:49
Date Operation Actually Began: 03/19/2021	
Actual Procedure: RUPU 3/19/2021. RIH & cleanout to PBTD @ 8482'. Pressure test csg to 6000# for 30 minutes, good test. RIH & perf 8377-8207, 8172-7002, 7967-7797, 7762-7592, 7557-7387, 7352-7182, 7147-6977, 6942-6772, 6737-6567, 6532-6362, 6327-6157, 6122-5952, 5917-5747, 5712-5542, 5507-5337, 5302-5132, 5097-4927, 4892-4722, 4687-4517, 4482-4312, 4277-4107, 4072-3902, 3867-3697, 3662-3492, 3457-3287. Frac in 25 stages w/ 13199088gal slickwater and 5020960# sand. 3/23/2021 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: APR 06, 2021 09:49 AM
Name: PERCUSSION PETROLEUM OPERATING LLC	
Title: Regulatory Directory	
Street Address: 9655 KATY FREEWAY, SUITE 500	
City: Houston	State: TX
Phone: (832) 930-8613	
Email address: SCHAPMAN@SPUREPLLC.COM	

Field Representative

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

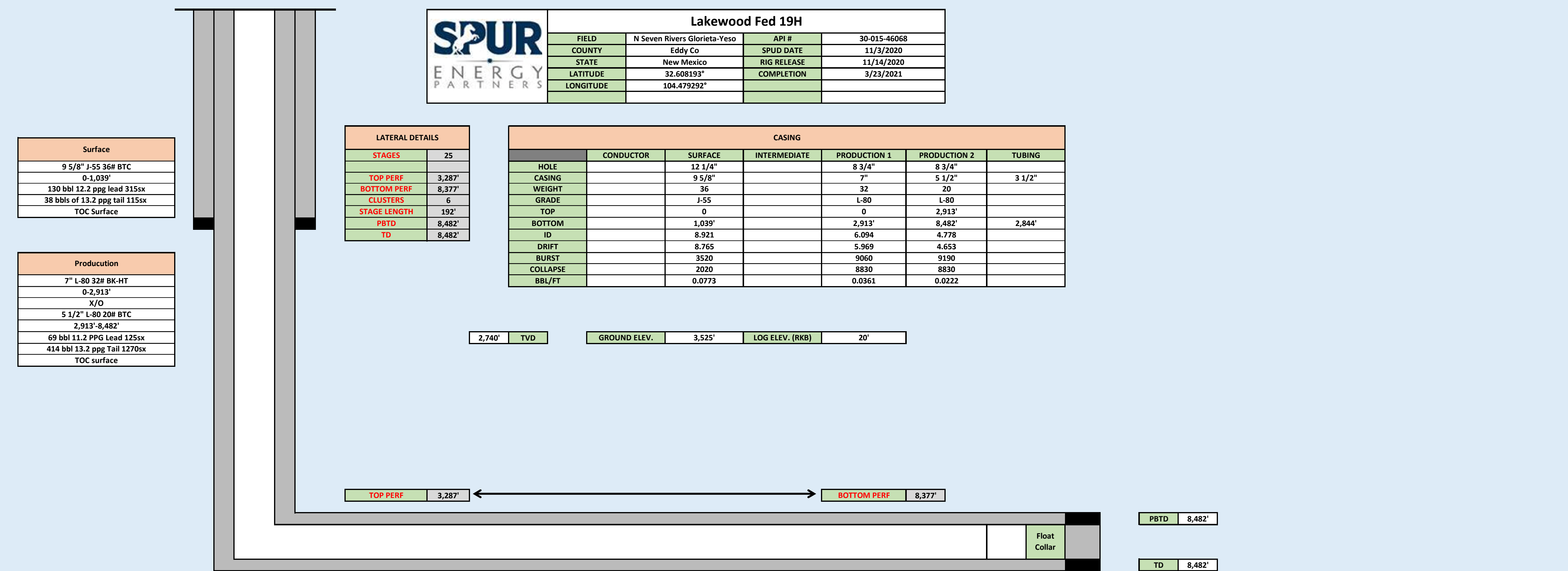
Received by OCD: 6/17/2021 9:35:51 AM

Page 11 of 14

Well Name: LAKEWOOD FEDERAL COM	Well Location: T20S / R25E / SEC 3 / LOT 4 / 32.608193 / -104.479292	County or Parish/State: EDDY / NM
Well Number: 19H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM014758, NMNM14758	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546068	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: 04/06/2021
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 32496

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32496
	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
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Phone:(505) 334-6178 Fax:(505) 334-6170
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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 32496

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 32496
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit BLM 3160-4 Completion Report within ten days of BLM approval.	8/16/2021