

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

State of New Mexico
Energy, Minerals & Natural Resources

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 329847
		³ Reason for Filing Code/ Effective Date RT/ 06/04/2021
⁴ API Number 30 - 0 15-45374	⁵ Pool Name RED LAKE; GLORIETA-YESO	⁶ Pool Code 51120
⁷ Property Code 325890	⁸ Property Name RED LAKE 32 STATE	⁹ Well Number 3H

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	32	17S	27E		780	SOUTH	150	EAST	EDDY

¹¹ Bottom Hole Location FTP: 610' FSL 562' FEL LTP: 606' FSL 314' FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	17S	27E		594	SOUTH	22	WEST	EDDY
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date TBD	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 11/28/2018	²² Ready Date 06/04/2021	²³ TD 4621'V/9565'M	²⁴ PBTD 4621'V/9565'/M	²⁵ Perforations 4864'-9273'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8" J-55 36# BUTT	1260'	575 SXS (CIRC TO SURFACE)		
8-3/4"	7" 32# L-80 BUTT	4615'	1906 SXS (CIRC TO SURFACE)		
8-3/4"	5-1/2" 20# L-80 BUTT	9565'	1906 SXS (CIRC TO SURFACE)		
	3-1/2" J-55	4520'			

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: 	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: 08/05/2021
Date: 06/04/2021	RT C-104 EXPIRES 09/06/2021
Phone: 832-930-8613	

DISTRICT I

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

DISTRICT II

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

DISTRICT III

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

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office☒ AMENDED REPORT

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-45374	Pool Code 51120	Pool Name RED LAKE; GLORIETA-YESO
Property Code 325890	Property Name RED LAKE 32 STATE	Well Number 3H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS	Elevation 3500'

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	32	17-S	27-E		780	SOUTH	150	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
M	32	17-S	27-E		594.2	SOUTH	21.7	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

NOTE: WELL PATH, TAKE POINTS
AND BOTTOM HOLE PLOTTED
FROM WELLBENDERS DIRECTIONAL
SERVICES SURVEY REPORT

AS-DRILLED
BOTTOM HOLE LOCATION
NAD 27 NME
Y= 649501.3 N
X= 507578.1 E
LAT.=32.785568° N
LONG.=104.308675° W

LAST TAKE POINT
NAD 27 NME
Y= 649504.0 N
X= 507869.9 E
LAT.=32.785575° N
LONG.=104.307725° W

FIRST TAKE POINT
NAD 27 NME
Y= 649395.1 N
X= 512272.1 E
LAT.=32.785272° N
LONG.=104.293401° W

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 649554.1 N
X= 512690.7 E
LAT.=32.785708° N
LONG.=104.292039° W

AS-DRILLED
BOTTOM HOLE LOCATION
NAD 83 NME
Y= 649564.0 N
X= 548757.1 E
LAT.=32.785682° N
LONG.=104.309190° W

LAST TAKE POINT
NAD 83 NME
Y= 649566.7 N
X= 549049.0 E
LAT.=32.785689° N
LONG.=104.308240° W

FIRST TAKE POINT
NAD 83 NME
Y= 649457.9 N
X= 553451.2 E
LAT.=32.785386° N
LONG.=104.293916° W

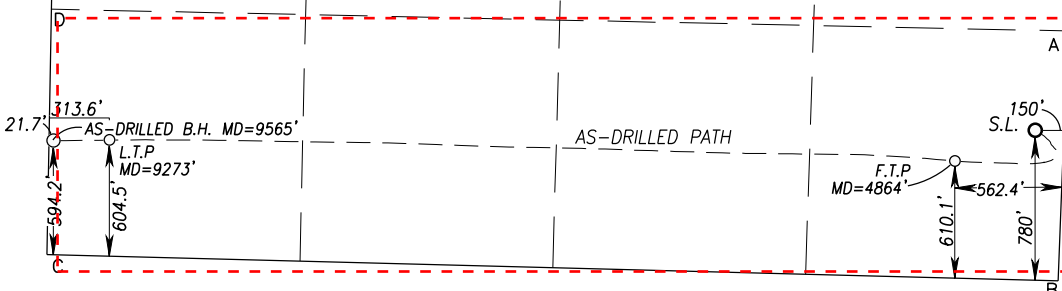
GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 649616.9 N
X= 553869.7 E
LAT.=32.785822° N
LONG.=104.292554° W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y= 650071.8 N, X= 512860.4 E
B - Y= 648770.8 N, X= 512811.0 E
C - Y= 648907.9 N, X= 507545.7 E
D - Y= 650185.5 N, X= 507568.6 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y= 650134.5 N, X= 554039.4 E
B - Y= 648833.6 N, X= 553990.1 E
C - Y= 648970.6 N, X= 548724.7 E
D - Y= 650248.3 N, X= 548747.6 E



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 06/01/2021
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 or actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 3, 2018

Date of Survey
Signature & Seal of Professional Surveyor

Ronald J. Eidson 05/28/2021

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

LSL Rel. W.O.: 19.13.0006 JWSC W.O.: 21.13.0220



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **11/29/18** thru **12/14/18** conduct or supervise the taking of a **MWD Survey** from a depth of **102'** to a depth of **9565'**; 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 **Red Lake 32 State 3H** API No. **30-015-45374** 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



Percussion Petroleum, LLC

**Eddy County, NM
Red Lake 32 State
3H
OH**

Design: OH

End Of Well Report

14 December, 2018





Wellbenders

End Of Well Report



Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well 3H
Project:	Eddy County, NM	TVD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Site:	Red Lake 32 State	MD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Well:	3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Project		Eddy County, NM	
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Red Lake 32 State			
Site Position:		Northing:		649,129.40 usft	
From:	Map	Easting:		553,846.20 usft	
Position Uncertainty:		Slot Radius:		13.200 in	
				Latitude:	
				Longitude:	
				Grid Convergence:	
				32.784483	
				-104.292631	
				0.022 °	

Well		3H				
Well Position	+N/-S	0.00 usft	Northing:	649,616.86 usft	Latitude:	32.785822
	+E/-W	0.00 usft	Easting:	553,869.71 usft	Longitude:	-104.292554
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,500.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/19/2018	7.187	60.443	48,054.46105240

Design		OH			
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	271.49

Survey Program		Date	12/14/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
102.00	9,565.00	Survey #1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM	



Wellbenders

End Of Well Report



Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well 3H
Project:	Eddy County, NM	TVD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Site:	Red Lake 32 State	MD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Well:	3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102.00	0.35	127.93	102.00	-0.19	0.25	-0.25	102.00	127.93	0.34
224.00	0.62	100.15	224.00	-0.54	1.19	-1.20	122.00	110.10	0.29
346.00	0.92	84.16	345.98	-0.55	2.81	-2.83	122.00	90.59	0.30
468.00	0.88	103.05	467.97	-0.67	4.70	-4.72	122.00	93.39	0.24
589.00	2.59	135.22	588.91	-2.82	7.53	-7.60	121.00	127.22	1.57
710.00	2.90	127.05	709.77	-6.60	11.90	-12.07	121.00	130.90	0.41
833.00	2.51	123.80	832.64	-9.97	16.62	-16.88	123.00	125.54	0.34
956.00	1.89	113.42	955.54	-12.28	20.72	-21.03	123.00	119.34	0.60
1,078.00	3.12	120.90	1,077.43	-14.78	25.42	-25.79	122.00	118.08	1.04
1,200.00	3.52	121.69	1,199.22	-18.46	31.45	-31.92	122.00	121.32	0.33
1,334.00	2.73	125.03	1,333.02	-22.45	37.57	-38.14	134.00	123.15	0.60
1,461.00	2.90	128.81	1,459.87	-26.20	42.55	-43.21	127.00	126.98	0.20
1,587.00	3.08	128.89	1,585.70	-30.32	47.66	-48.44	126.00	128.85	0.14
1,713.00	3.16	131.71	1,711.51	-34.76	52.89	-53.78	126.00	130.32	0.14
1,839.00	3.38	133.99	1,837.30	-39.65	58.16	-59.17	126.00	132.89	0.20
1,966.00	3.34	133.82	1,964.09	-44.81	63.52	-64.66	127.00	133.91	0.03
2,092.00	3.56	132.67	2,089.86	-50.00	69.04	-70.32	126.00	133.23	0.18
2,218.00	3.78	135.05	2,215.60	-55.59	74.85	-76.27	126.00	133.90	0.21
2,344.00	3.21	155.88	2,341.37	-61.75	79.23	-80.81	126.00	144.61	1.10
2,470.00	3.21	159.83	2,467.17	-68.28	81.89	-83.64	126.00	157.85	0.18
2,596.00	2.55	151.75	2,593.01	-74.06	84.43	-86.33	126.00	156.25	0.61
2,723.00	2.24	136.10	2,719.90	-78.34	87.49	-89.50	127.00	144.43	0.57
2,849.00	2.37	136.80	2,845.80	-82.01	90.98	-93.08	126.00	136.46	0.11
2,975.00	2.29	133.82	2,971.70	-85.66	94.58	-96.78	126.00	135.34	0.12
3,102.00	2.51	137.24	3,098.59	-89.45	98.30	-100.59	127.00	135.61	0.21
3,228.00	2.59	139.26	3,224.46	-93.64	102.03	-104.43	126.00	138.27	0.10



Wellbenders

End Of Well Report



Company: Percussion Petroleum, LLC
Project: Eddy County, NM
Site: Red Lake 32 State
Well: 3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well 3H
TVD Reference: RKB = 17' @ 3517.00usft (Savanna 643)
MD Reference: RKB = 17' @ 3517.00usft (Savanna 643)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
3,417.00	2.55	139.70	3,413.27	-100.08	107.54	-110.10	189.00	139.48	0.02	
3,543.00	2.59	143.75	3,539.14	-104.51	111.03	-113.71	126.00	141.74	0.15	
3,670.00	2.51	146.21	3,666.02	-109.14	114.28	-117.07	127.00	144.96	0.11	
3,796.00	2.68	146.21	3,791.89	-113.88	117.45	-120.37	126.00	146.21	0.13	
3,859.00	2.86	145.94	3,854.82	-116.41	119.15	-122.13	63.00	146.07	0.29	
3,922.00	3.30	181.63	3,917.73	-119.52	119.98	-123.04	63.00	165.10	3.07	
3,985.00	7.52	211.33	3,980.45	-124.86	117.78	-120.99	63.00	202.37	7.83	
4,048.00	12.75	214.50	4,042.44	-134.11	111.69	-115.14	63.00	213.32	8.35	
4,111.00	17.10	231.90	4,103.33	-145.57	100.46	-104.21	63.00	224.45	9.84	
4,174.00	22.46	246.23	4,162.63	-156.15	82.13	-86.16	63.00	240.00	11.42	
4,237.00	27.91	257.74	4,219.65	-164.14	56.67	-60.92	63.00	252.57	11.60	
4,300.00	34.81	261.61	4,273.42	-169.90	24.43	-28.84	63.00	259.87	11.40	
4,363.00	41.19	267.23	4,323.05	-173.54	-14.13	9.61	63.00	264.62	11.51	
4,427.00	46.99	271.80	4,369.01	-173.82	-58.61	54.07	64.00	269.63	10.33	
4,490.00	47.69	272.16	4,411.71	-172.22	-104.91	100.40	63.00	271.98	1.19	
4,553.00	47.16	272.33	4,454.33	-170.40	-151.27	146.79	63.00	272.24	0.86	
4,582.00	48.04	271.89	4,473.88	-169.61	-172.67	168.20	29.00	272.11	3.23	
4,645.00	54.64	271.45	4,513.22	-168.19	-221.82	217.37	63.00	271.66	10.49	
4,708.00	60.79	271.72	4,546.85	-166.71	-275.03	270.60	63.00	271.59	9.77	
4,771.00	66.33	272.59	4,574.89	-164.58	-331.38	326.99	63.00	272.17	8.88	
4,834.00	70.95	273.91	4,597.83	-161.25	-389.94	385.62	63.00	273.26	7.59	
4,898.00	76.57	274.88	4,615.73	-156.53	-451.18	446.96	64.00	274.40	8.90	
4,961.00	81.14	275.50	4,627.90	-150.94	-512.72	508.62	63.00	275.19	7.32	
5,024.00	84.70	274.62	4,635.66	-145.43	-574.99	571.01	63.00	275.06	5.82	
5,087.00	89.19	273.21	4,639.02	-141.14	-637.73	633.85	63.00	273.91	7.47	
5,213.00	90.68	273.56	4,639.16	-133.70	-763.51	759.77	126.00	273.39	1.21	
5,339.00	91.34	272.42	4,636.94	-127.12	-889.32	885.71	126.00	272.99	1.05	



Wellbenders

End Of Well Report



Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well 3H
Project:	Eddy County, NM	TVD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Site:	Red Lake 32 State	MD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Well:	3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
5,464.00	90.77	270.22	4,634.64	-124.25	-1,014.25	1,010.68	125.00	271.32	1.82
5,590.00	91.91	270.75	4,631.69	-123.18	-1,140.21	1,136.62	126.00	270.48	1.00
5,715.00	91.60	270.57	4,627.87	-121.74	-1,265.14	1,261.55	125.00	270.66	0.29
5,836.00	90.86	270.31	4,625.27	-120.81	-1,386.11	1,382.50	121.00	270.44	0.65
5,959.00	89.89	271.10	4,624.46	-119.30	-1,509.10	1,505.49	123.00	270.71	1.02
6,081.00	90.68	271.54	4,623.86	-116.49	-1,631.06	1,627.48	122.00	271.32	0.74
6,201.00	89.67	271.63	4,623.49	-113.17	-1,751.01	1,747.48	120.00	271.59	0.84
6,323.00	90.33	272.24	4,623.49	-109.05	-1,872.94	1,869.47	122.00	271.93	0.74
6,445.00	90.02	271.36	4,623.12	-105.22	-1,994.88	1,991.47	122.00	271.80	0.76
6,568.00	90.95	272.07	4,622.08	-101.54	-2,117.82	2,114.46	123.00	271.71	0.95
6,690.00	90.24	272.07	4,620.81	-97.13	-2,239.73	2,236.45	122.00	272.07	0.58
6,812.00	89.67	270.92	4,620.91	-93.95	-2,361.69	2,358.45	122.00	271.50	1.05
6,938.00	90.33	271.36	4,620.91	-91.44	-2,487.66	2,484.44	126.00	271.14	0.63
7,064.00	89.36	271.01	4,621.25	-88.83	-2,613.63	2,610.44	126.00	271.19	0.82
7,190.00	89.49	271.36	4,622.51	-86.23	-2,739.60	2,736.43	126.00	271.19	0.30
7,316.00	89.98	271.89	4,623.09	-82.66	-2,865.55	2,862.43	126.00	271.63	0.57
7,443.00	89.58	271.89	4,623.58	-78.47	-2,992.48	2,989.42	127.00	271.89	0.31
7,569.00	88.97	272.51	4,625.18	-73.63	-3,118.37	3,115.40	126.00	272.20	0.69
7,696.00	89.54	272.16	4,626.83	-68.46	-3,245.26	3,242.38	127.00	272.33	0.53
7,822.00	88.97	270.75	4,628.47	-65.26	-3,371.20	3,368.36	126.00	271.46	1.21
7,948.00	88.97	271.28	4,630.73	-63.03	-3,497.16	3,494.34	126.00	271.01	0.42
8,074.00	90.24	270.49	4,631.60	-61.08	-3,623.14	3,620.33	126.00	270.88	1.19
8,200.00	90.51	270.66	4,630.77	-59.82	-3,749.13	3,746.31	126.00	270.57	0.25
8,326.00	90.90	270.66	4,629.22	-58.36	-3,875.11	3,872.28	126.00	270.66	0.31
8,452.00	91.30	271.36	4,626.81	-56.14	-4,001.07	3,998.25	126.00	271.01	0.64
8,578.00	89.76	271.01	4,625.64	-53.54	-4,127.03	4,124.24	126.00	271.18	1.25
8,704.00	89.89	271.19	4,626.02	-51.12	-4,253.01	4,250.24	126.00	271.10	0.18



Wellbenders

End Of Well Report



Company:	Percussion Petroleum, LLC	Local Co-ordinate Reference:	Well 3H
Project:	Eddy County, NM	TVD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Site:	Red Lake 32 State	MD Reference:	RKB = 17' @ 3517.00usft (Savanna 643)
Well:	3H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

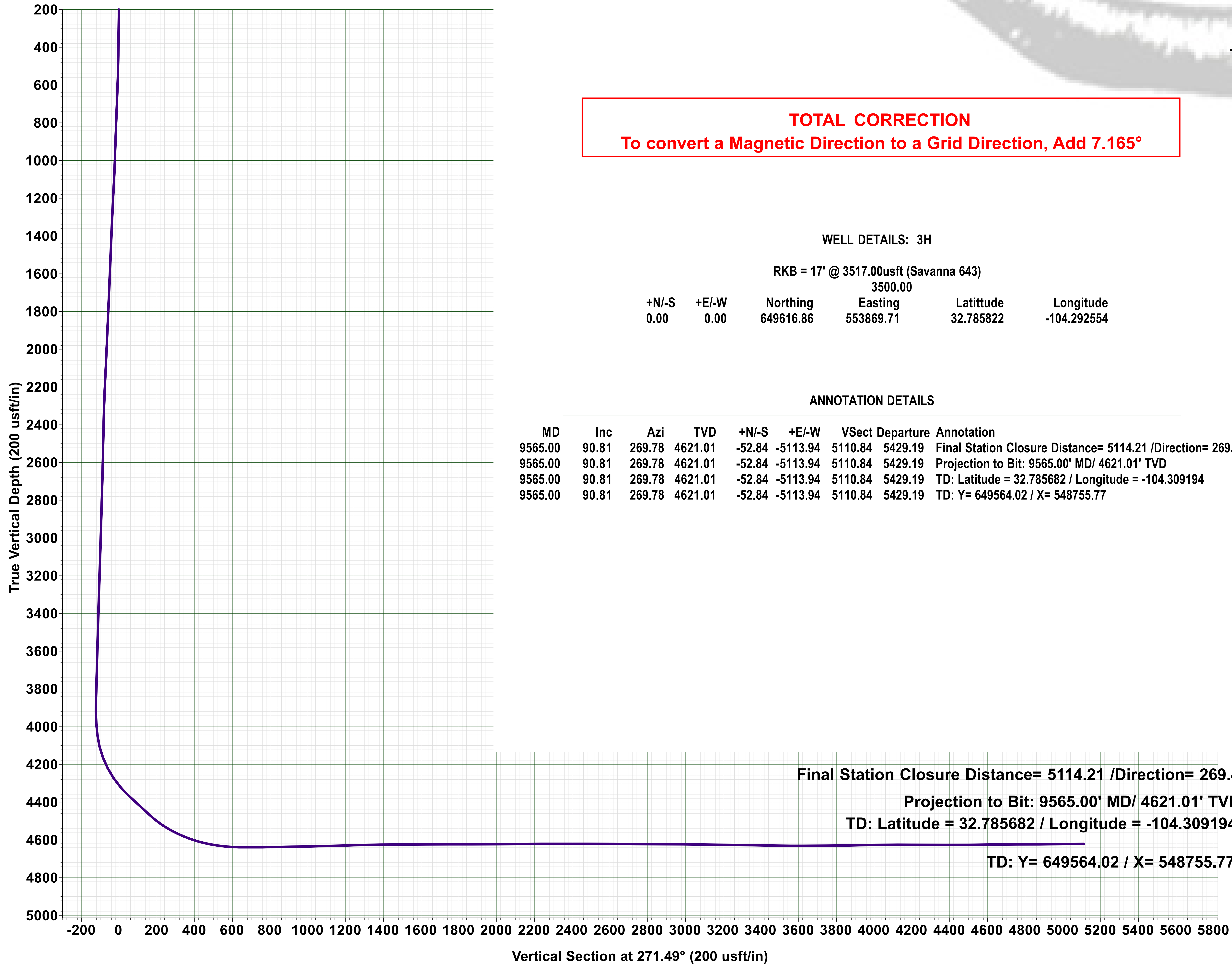
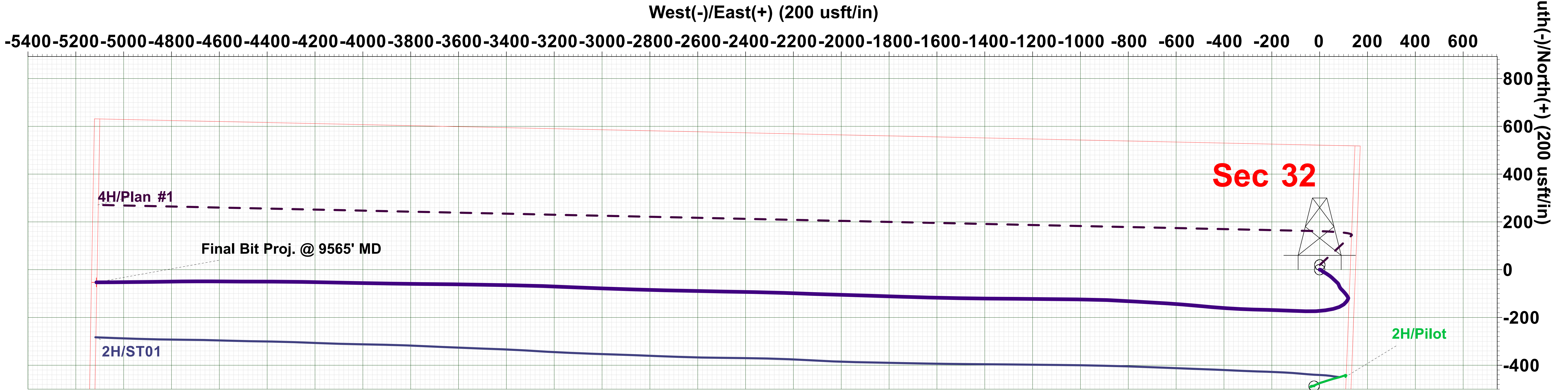
Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
8,830.00	89.76	269.87	4,626.41	-49.95	-4,379.00	4,376.22	126.00	270.53	1.05	
8,956.00	90.42	270.31	4,626.21	-49.76	-4,505.00	4,502.18	126.00	270.09	0.63	
9,083.00	90.90	270.40	4,624.75	-48.97	-4,631.99	4,629.15	127.00	270.35	0.38	
9,210.00	89.85	269.34	4,623.92	-49.26	-4,758.98	4,756.09	127.00	269.87	1.17	
9,330.00	90.37	269.08	4,623.69	-50.91	-4,878.97	4,875.99	120.00	269.21	0.48	
9,498.00	90.81	269.78	4,621.96	-52.58	-5,046.95	5,043.87	168.00	269.43	0.49	
9,565.00	90.81	269.78	4,621.01	-52.84	-5,113.94	5,110.84	67.00	269.78	0.00	
Final Station Closure Distance= 5114.21 /Direction= 269.41 - Projection to Bit: 9565.00' MD/ 4621.01' TVD - TD: Latitude = 32.785682 / Longitude = -104.309194 - TD: Y= 649564.02 / X= 548755.77										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
9,565.00	4,621.01	-52.84	-5,113.94	Final Station Closure Distance= 5114.21 /Direction= 269.41	
9,565.00	4,621.01	-52.84	-5,113.94	Projection to Bit: 9565.00' MD/ 4621.01' TVD	
9,565.00	4,621.01	-52.84	-5,113.94	TD: Latitude = 32.785682 / Longitude = -104.309194	
9,565.00	4,621.01	-52.84	-5,113.94	TD: Y= 649564.02 / X= 548755.77	

Checked By: _____ Approved By: _____ Date: _____



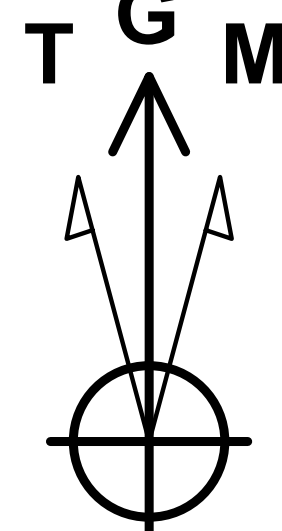
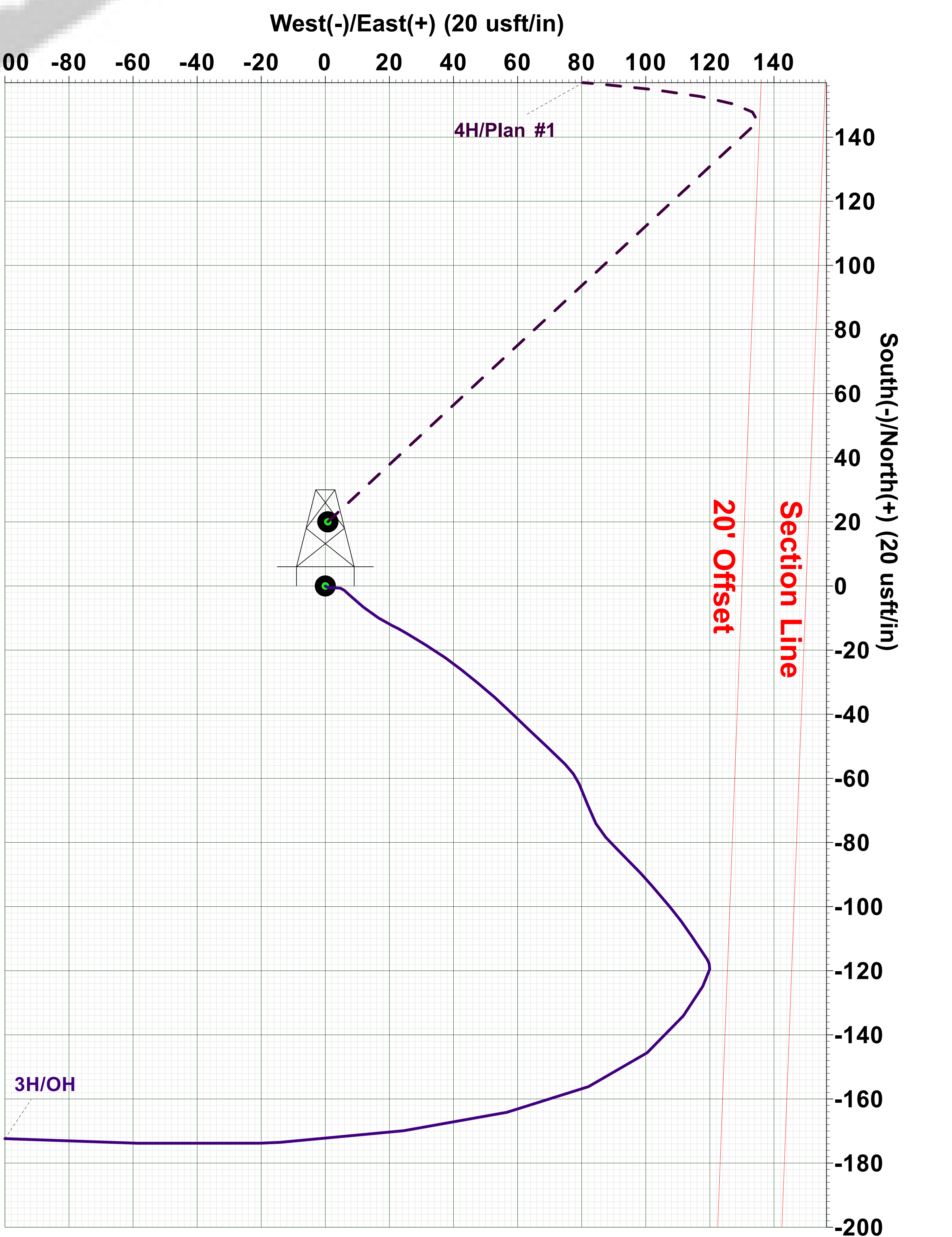
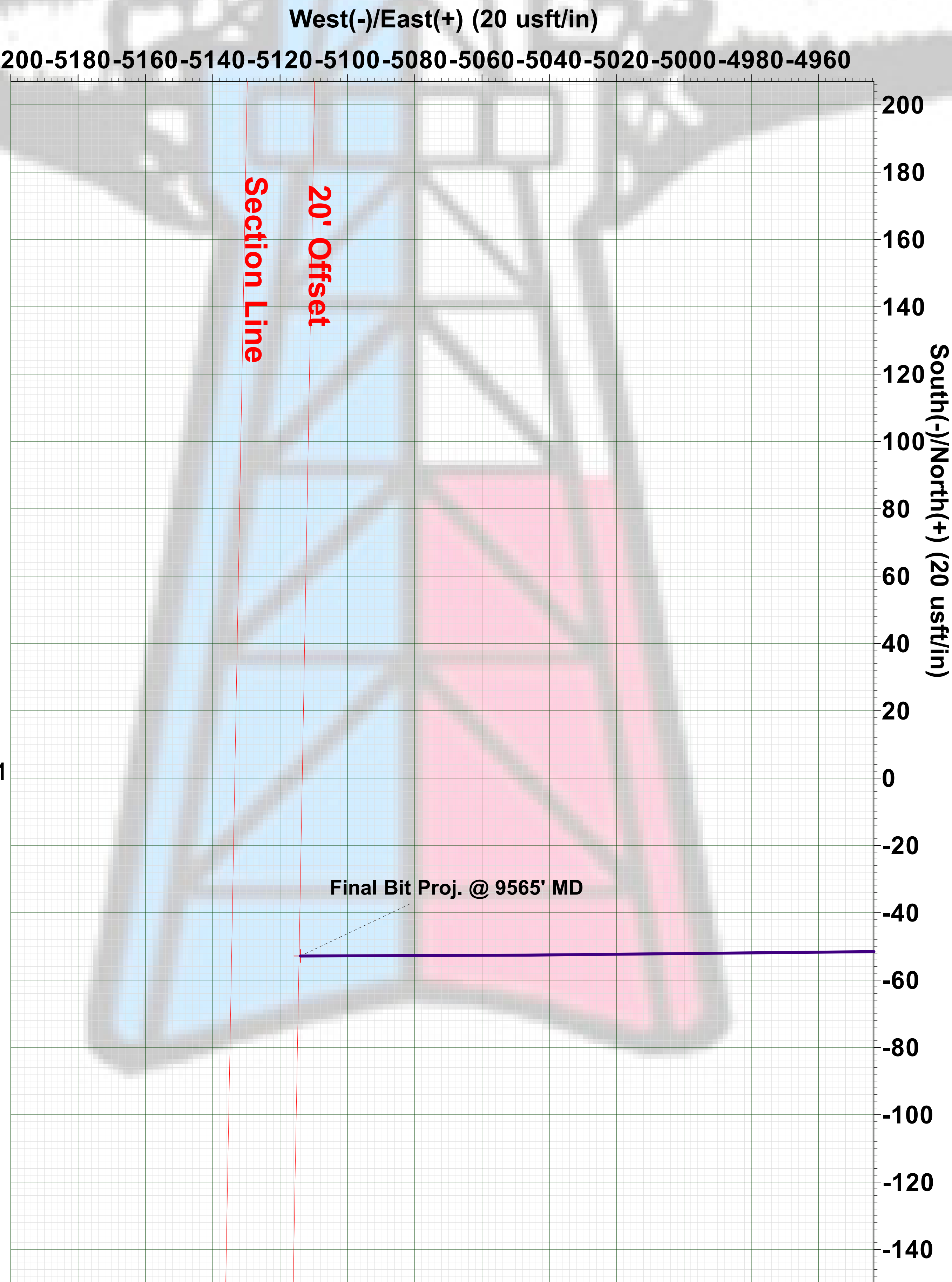
Company: Percussion Petroleum, LLC
Project: Eddy County, NM
Site: Red Lake 32 State
Well: 3H
Wellbore: OH
Rig: Savanna 643
Design: OH / 14:43, December 14 2018



WELL DETAILS: 3H						
RKB = 17° @ 3517.00usft (Savanna 643)						
3500.00						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	649616.86	553869.71	32.785822	-104.292554	

ANNOTATION DETAILS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
9565.00	90.81	269.78	4621.01	-52.84	-5113.94	5110.84	5429.19	Final Station Closure Distance= 5114.21 /Direction= 269.41
9565.00	90.81	269.78	4621.01	-52.84	-5113.94	5110.84	5429.19	Projection to Bit: 9565.00' MD/ 4621.01' TVD
9565.00	90.81	269.78	4621.01	-52.84	-5113.94	5110.84	5429.19	TD: Latitude = 32.785682 / Longitude = -104.309194
9565.00	90.81	269.78	4621.01	-52.84	-5113.94	5110.84	5429.19	TD: Y= 649564.02 / X= 548755.77

Final Station Closure Distance= 5114.21 /Direction= 269.41
Projection to Bit: 9565.00' MD/ 4621.01' TVD
TD: Latitude = 32.785682 / Longitude = -104.309194
TD: Y= 649564.02 / X= 548755.77



Azimuths to Grid North
True North: -0.02°
Magnetic North: 7.16°

Magnetic Field
Strength: 48054.5snT
Dip Angle: 60.44°
Date: 10/19/2018
Model: IGRF2015

PROJECT DETAILS: Eddy County, NM

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.

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 30611

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 30611
	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
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 30611

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 30611
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	RT C-104 expires 09/04/2021; submit all drilling, casing, and completion sundries/reports.	8/5/2021