

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) 746-1283 Fax: (575) 746-9720

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

DISTRICT IV
1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1226 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate
District Office

As-Drilled
☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-46216	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 325878	Property Name OSAGE BOYD "15" FEDERAL COM	Well Number 9H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS, LLC	Elevation 3475'

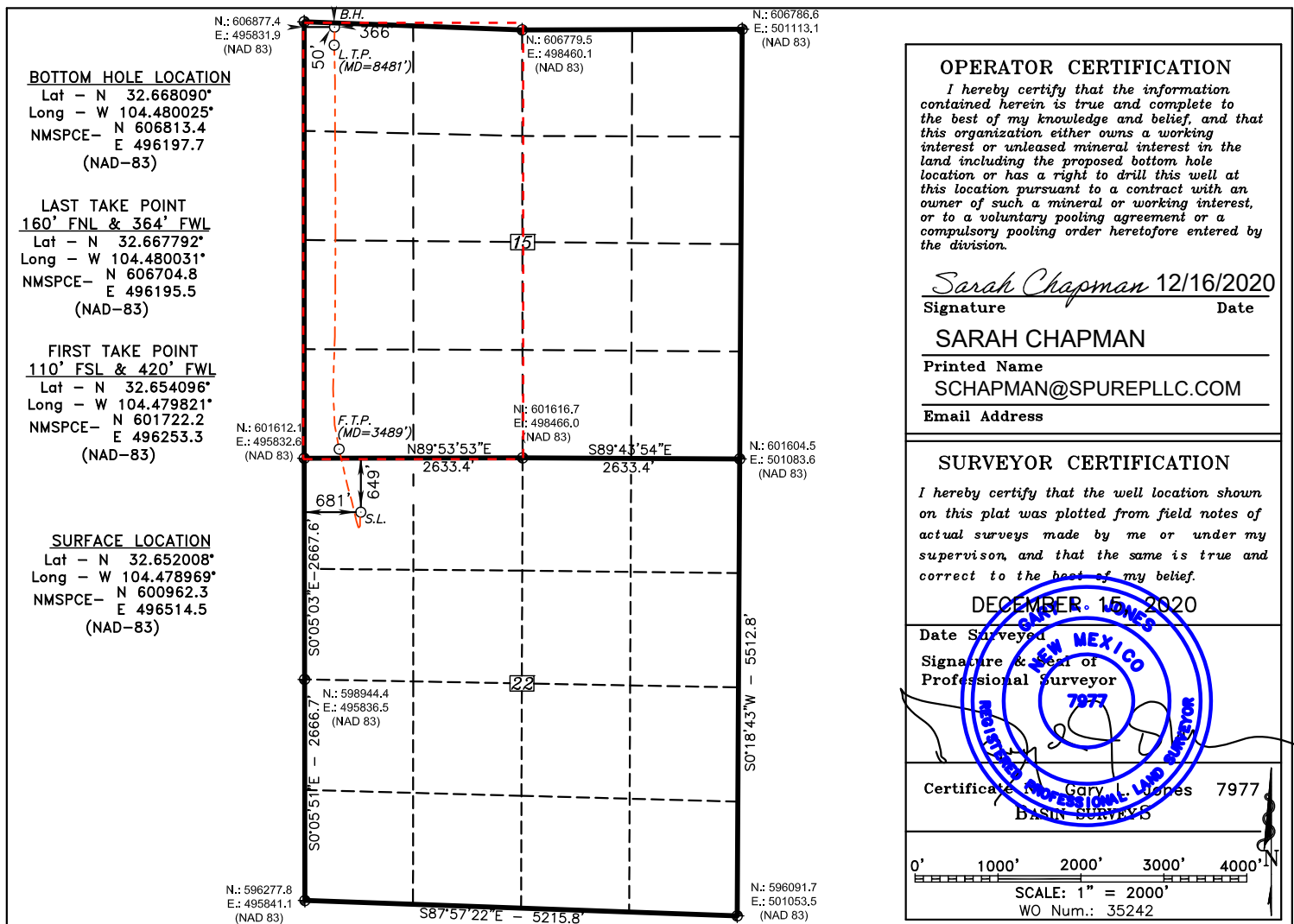
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
D	22	19 S	25 E		649	NORTH	681	WEST	EDDY

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	15	19 S	25 E		50	NORTH	366	WEST	EDDY
Dedicated Acres 320	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





I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **10/01/20** thru **10/08/20** conduct or supervise the taking of a **MWD Survey** from a depth of **164'** to a depth of **8590'**; 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 **Osage Boyd 15 Fed Com 9H** API No. **30-015-46216** 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*



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: Osage Boyd 15 Federal Com
Well: #9H
Wellbore: OH
Rig: Akita 57
Design: Plan #5 / 8:08, October 08 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: #9H

RKB=20' @ 3495.00usft (Akita 57)

			3475.00		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	600962.30	496514.50	32.652008	-104.478969

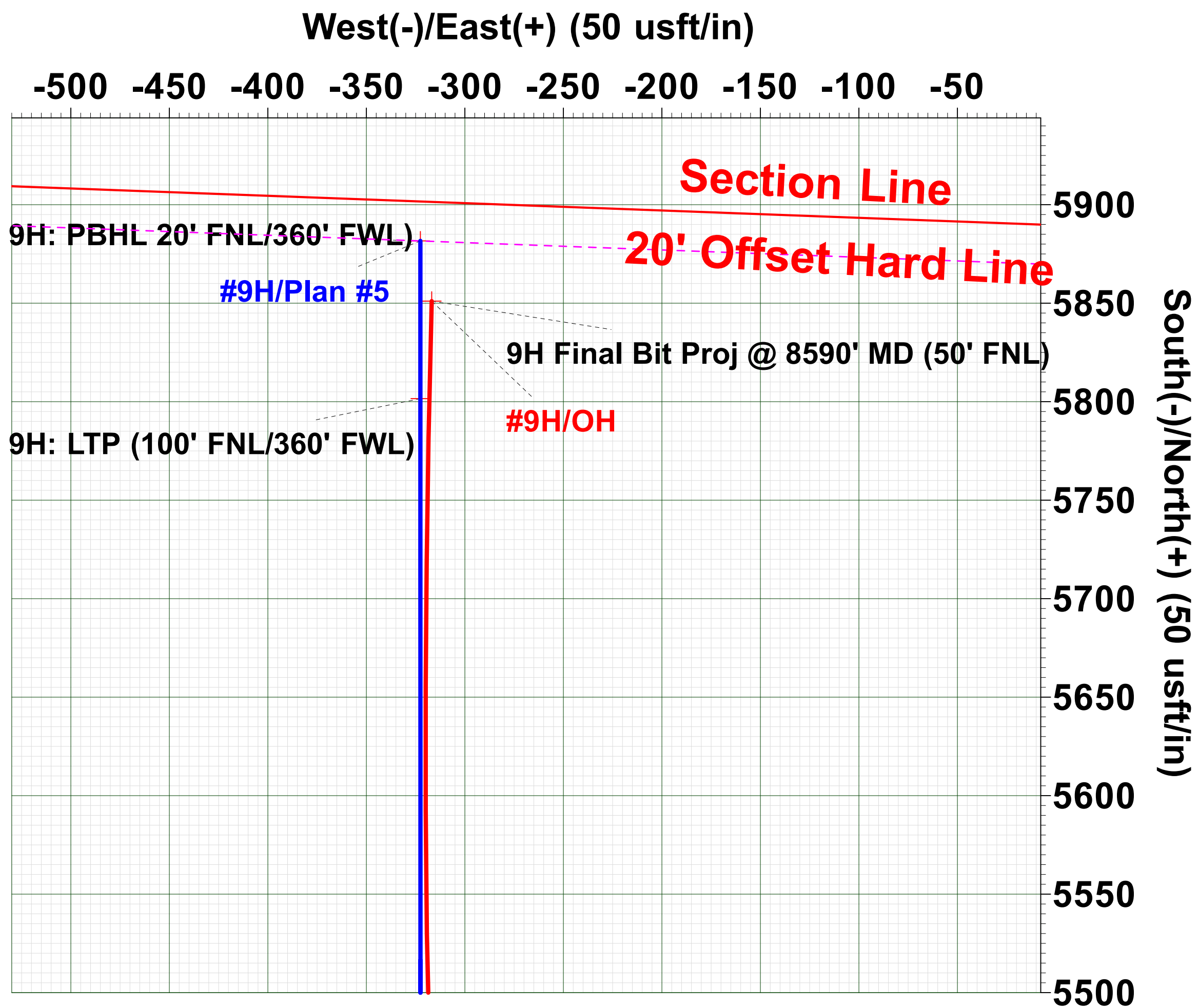
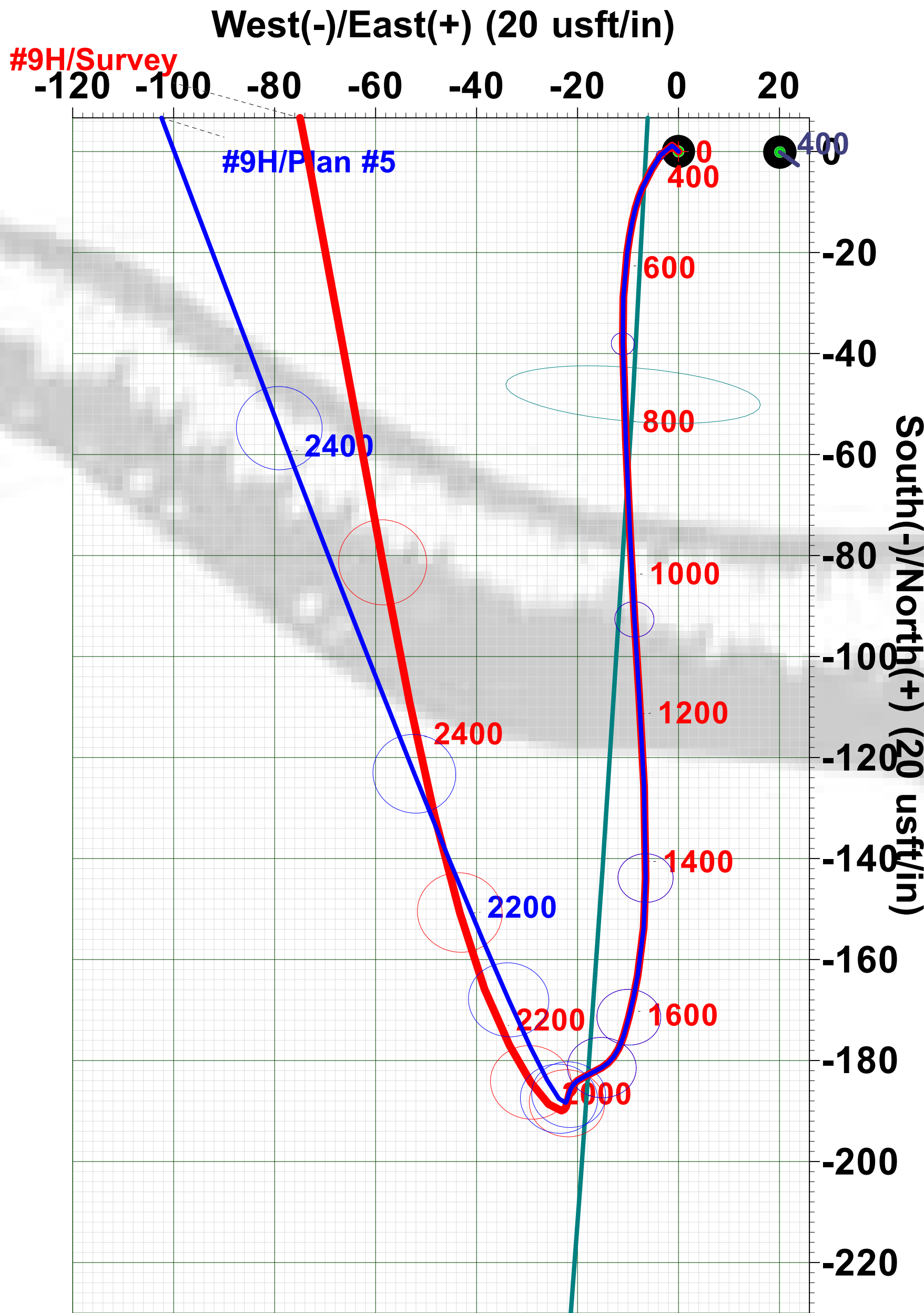
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
1	1876.00	2.73	200.84	1862.97	-185.73	-21.39	0.00	-185.73
2	1932.00	2.00	195.00	1918.93	-187.92	-22.12	1.37	-187.92
3	2812.64	60.00	340.00	2651.17	193.04	-171.18	7.00	193.07
4	3012.64	60.00	340.00	2751.17	355.80	-230.42	0.00	355.84
5	3367.86	93.00	353.75	2833.33	687.35	-304.73	10.00	687.40
6	3679.43	93.00	359.99	2817.01	997.87	-321.71	2.00	997.93
7	4889.43	93.00	359.99	2753.68	2206.21	-321.93	0.00	2206.27
8	5056.93	89.65	359.99	2749.81	2373.64	-321.95	2.00	2373.70
9	6683.26	89.65	359.99	2759.74	3999.94	-322.24	0.00	4000.00
10	6747.13	90.93	359.99	2759.42	4063.80	-322.25	2.00	4063.86
11	8565.26	90.93	359.99	2730.00	5881.70	-322.60	0.00	5881.76

9H: PBHL 20' FNL/360' FWL)

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
9H: SHL (649' FNL/681' FWL)	0.00	0.00	0.00	600962.30	496514.50	32.652008	-104.478969
9H Final Bit Proj @ 8590' MD (50' FNL)	2717.20	5851.06	-316.81	606813.36	496197.69	32.668090	-104.480025
9H: PBHL 20' FNL/360' FWL)	2730.00	5881.70	-322.60	606844.00	496191.90	32.668174	-104.480044
9H: LTP (100' FNL/360' FWL)	2731.30	5801.60	-322.60	606763.90	496191.90	32.667954	-104.480043
9H: FTP/LP (100' FSL/360' FWL)	2740.00	750.40	-321.90	601712.70	496192.60	32.654070	-104.480018
9H: LP (Plan #5)	2833.33	687.35	-304.73	601649.65	496209.77	32.653896	-104.479962



Final Station Closure Distance= 5859.64 /Direction= 356.90

Projection to Bit: 8590.00' MD/ 2717.20' TVD

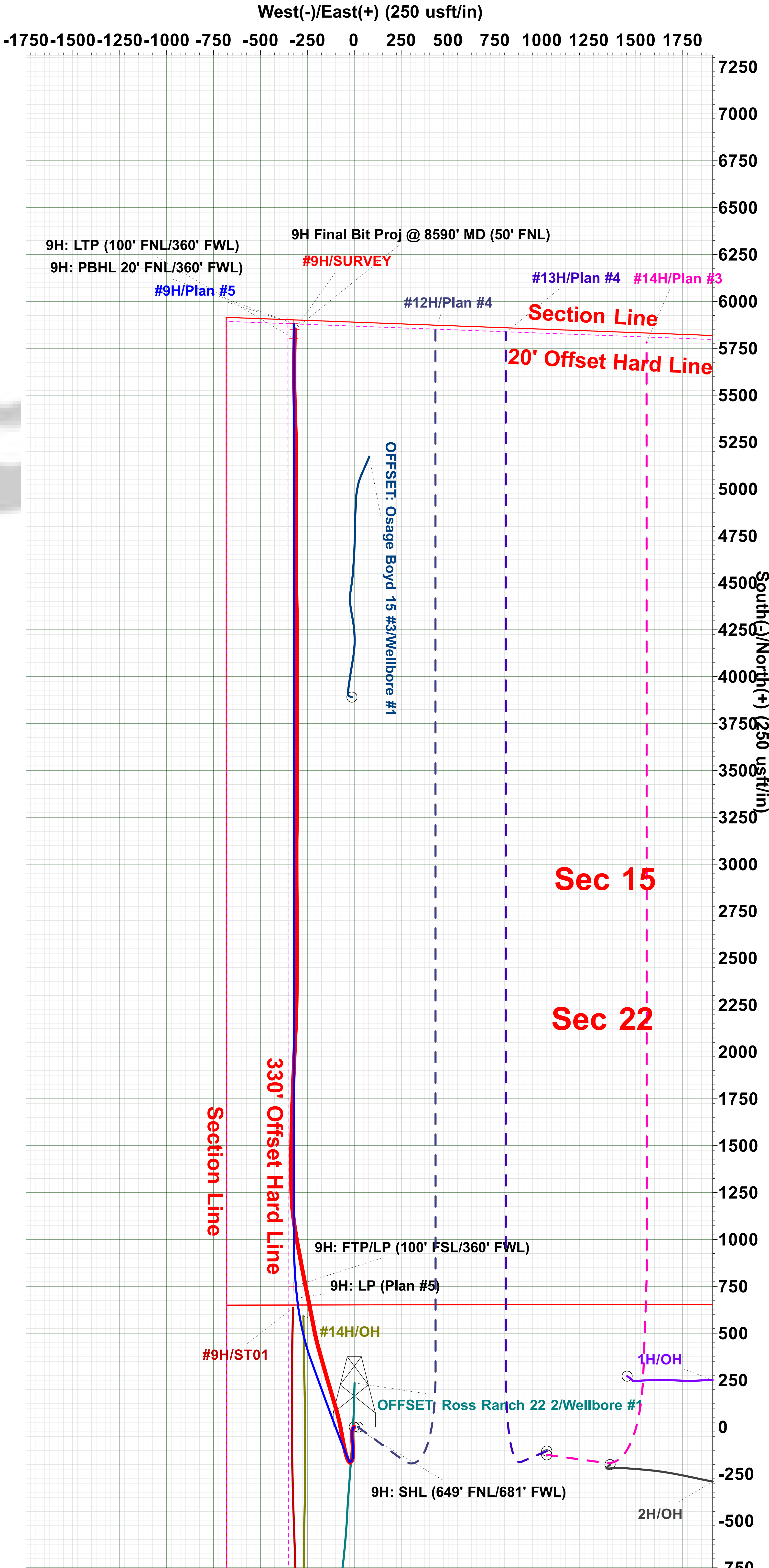
TD: Y= 606813.36 / X= 496197.69

TD: Latitude= 32.668090 / Longitude= -104.480025

#9H/Survey

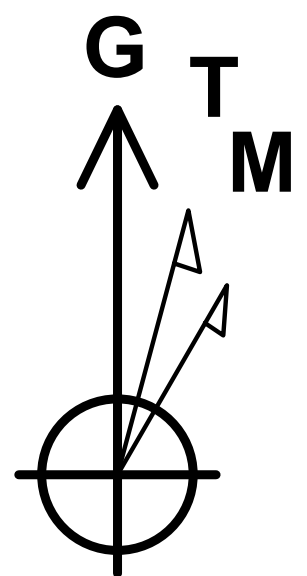
9H: LTP (100' FNL/360' FWL)

9H: PBHL 20' FNL/360' FWL)



Plan: Plan #5 (#9H/OH) Akita 57

Created By: Matthew May Date: 8:08, October 08 2020

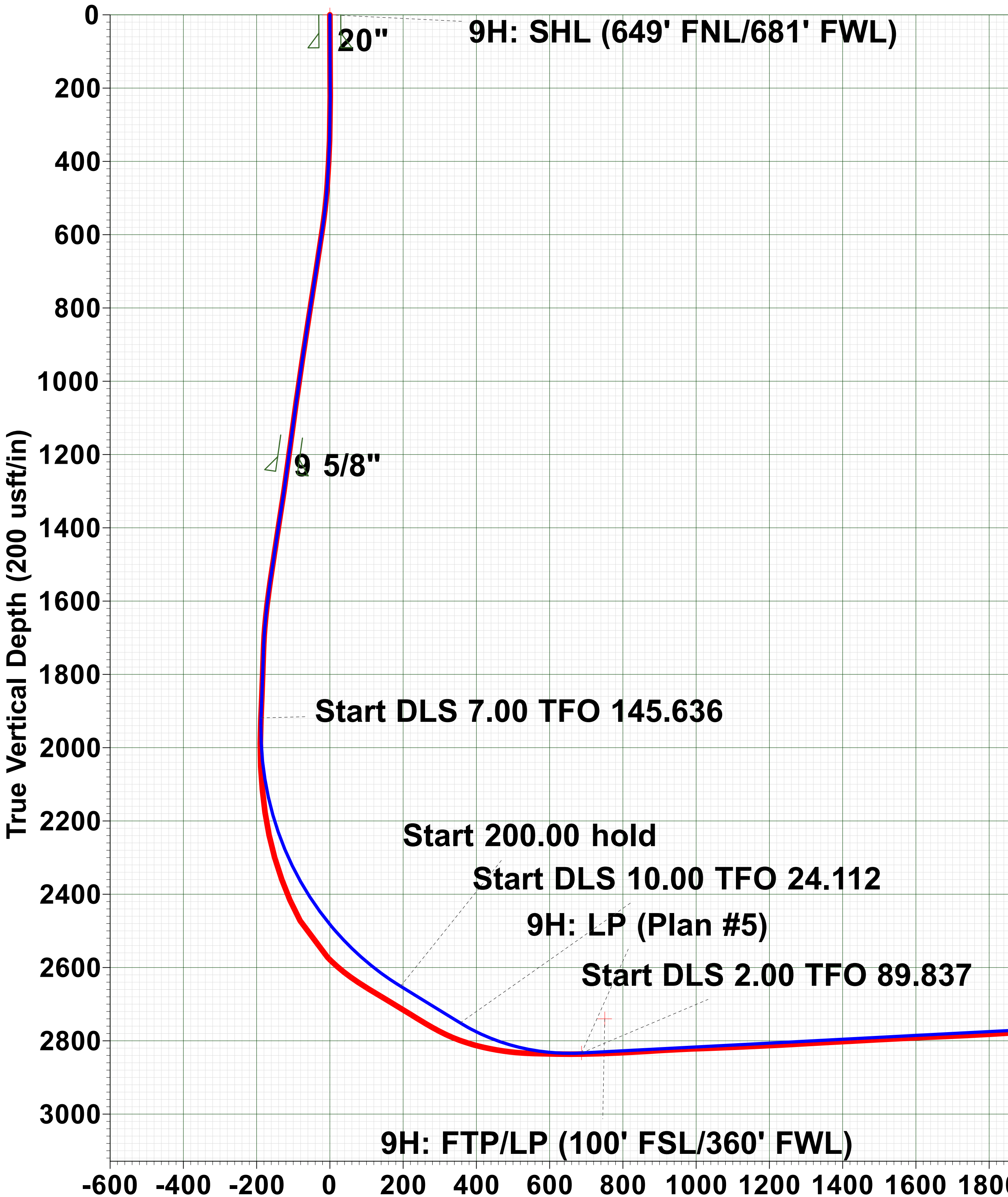


Azimuths to Grid North
True North: 0.08°
Magnetic North: 7.13°

Magnetic Field
Strength: 47754.5snT
Dip Angle: 60.27°
Date: 10/02/2020
Model: IGRF2015

Disclaimer:

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



Vertical Section at 359.99° (200 usft/in)



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

Osage Boyd 15 Federal Com

#9H

OH

Survey: Survey #1

Standard Survey Report

08 October, 2020





Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #9H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Site:	Osage Boyd 15 Federal Com	MD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Well:	#9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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	Osage Boyd 15 Federal Com		
Site Position:		Northing:	600,962.30 usft
From:	Map	Easting:	496,514.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.652008
		Longitude:	-104.478969
		Grid Convergence:	-0.079 °

Well	#9H		
Well Position	+N/-S	0.00 usft	Northing: 600,962.30 usft
	+E/-W	0.00 usft	Easting: 496,514.50 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.652008
		Longitude:	-104.478969
		Ground Level:	3,475.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	10/02/20	7.052
			Dip Angle (°) 60.268
			Field Strength (nT) 47,754.51728875

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)
	0.00	0.00	0.00
			Direction (°) 359.99

Survey Program	Date	10/08/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
164.00	8,590.00	Survey #1 (OH)	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
164.00	0.70	315.10	164.00	0.71	-0.71	0.71	0.43	0.43	0.00
223.00	0.70	303.50	222.99	1.16	-1.26	1.16	0.24	0.00	-19.66
343.00	2.68	216.13	342.94	-0.70	-3.53	-0.70	2.28	1.65	-72.81
464.00	4.31	204.88	463.72	-7.11	-7.11	-7.11	1.46	1.35	-9.30
584.00	8.53	187.31	582.95	-20.03	-10.14	-20.03	3.84	3.52	-14.64
704.00	8.84	178.43	701.58	-38.08	-11.02	-38.08	1.15	0.26	-7.40
826.00	8.97	177.99	822.11	-56.95	-10.43	-56.95	0.12	0.11	-0.36
948.00	8.40	176.85	942.71	-75.36	-9.61	-75.36	0.49	-0.47	-0.93
1,070.00	7.91	177.29	1,063.47	-92.64	-8.72	-92.64	0.40	-0.40	0.36



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #9H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Site:	Osage Boyd 15 Federal Com	MD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Well:	#9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
1,181.00	7.69	175.62	1,173.45	-107.67	-7.79	-107.67	0.28	-0.20	-1.50
1,310.00	8.31	178.17	1,301.19	-125.60	-6.83	-125.60	0.55	0.48	1.98
1,431.00	9.05	179.75	1,420.80	-143.85	-6.51	-143.85	0.64	0.61	1.31
1,560.00	8.26	189.94	1,548.34	-163.13	-8.07	-163.13	1.33	-0.61	7.90
1,592.00	7.91	192.23	1,580.02	-167.54	-8.93	-167.54	1.49	-1.09	7.16
1,623.00	6.81	194.25	1,610.77	-171.41	-9.84	-171.41	3.64	-3.55	6.52
1,655.00	6.11	196.62	1,642.56	-174.88	-10.79	-174.88	2.34	-2.19	7.41
1,686.00	5.19	206.73	1,673.41	-177.71	-11.89	-177.71	4.36	-2.97	32.61
1,749.00	4.18	240.48	1,736.21	-181.39	-15.17	-181.39	4.58	-1.60	53.57
1,812.00	3.69	244.08	1,799.07	-183.41	-19.00	-183.41	0.87	-0.78	5.71
1,876.00	2.73	200.84	1,862.97	-185.73	-21.39	-185.73	3.95	-1.50	-67.56
1,939.00	2.42	187.57	1,925.91	-188.45	-22.10	-188.45	1.06	-0.49	-21.06
2,002.00	1.67	262.01	1,988.88	-189.90	-23.18	-189.90	4.04	-1.19	118.16
2,065.00	3.87	310.71	2,051.81	-188.64	-25.70	-188.64	4.82	3.49	77.30
2,128.00	6.37	326.96	2,114.56	-184.32	-29.22	-184.32	4.55	3.97	25.79
2,191.00	9.27	331.89	2,176.96	-176.92	-33.52	-176.91	4.72	4.60	7.83
2,254.00	12.88	339.09	2,238.78	-165.88	-38.42	-165.87	6.13	5.73	11.43
2,317.00	16.53	344.46	2,299.71	-150.68	-43.33	-150.67	6.18	5.79	8.52
2,380.00	20.09	346.21	2,359.51	-131.53	-48.31	-131.52	5.72	5.65	2.78
2,441.00	24.22	348.76	2,416.00	-109.07	-53.25	-109.06	6.95	6.77	4.18
2,504.00	29.05	349.38	2,472.30	-81.35	-58.59	-81.34	7.68	7.67	0.98
2,630.00	45.54	349.64	2,572.19	-6.53	-72.41	-6.52	13.09	13.09	0.21
2,755.00	59.08	344.10	2,648.47	89.41	-95.24	89.43	11.38	10.83	-4.43
2,786.00	60.00	343.93	2,664.18	115.10	-102.60	115.12	3.01	2.97	-0.55
2,818.00	59.96	343.49	2,680.19	141.69	-110.37	141.71	1.20	-0.12	-1.37
2,850.00	59.87	343.84	2,696.24	168.27	-118.16	168.29	0.99	-0.28	1.09
2,881.00	59.65	343.49	2,711.85	193.97	-125.69	193.99	1.21	-0.71	-1.13
2,913.00	59.30	343.31	2,728.10	220.38	-133.56	220.41	1.20	-1.09	-0.56
2,944.00	59.69	343.58	2,743.84	245.98	-141.17	246.01	1.46	1.26	0.87
3,007.00	62.86	344.19	2,774.11	299.05	-156.50	299.08	5.10	5.03	0.97
3,070.00	70.77	344.54	2,798.90	354.78	-172.09	354.81	12.57	12.56	0.56
3,133.00	77.05	344.02	2,816.35	413.02	-188.49	413.05	10.00	9.97	-0.83
3,196.00	81.85	347.18	2,827.88	472.98	-203.87	473.02	9.07	7.62	5.02
3,259.00	87.21	349.20	2,833.89	534.35	-216.70	534.38	9.09	8.51	3.21
3,323.00	89.54	349.03	2,835.70	597.16	-228.78	597.20	3.65	3.64	-0.27
3,386.00	89.10	348.67	2,836.45	658.97	-240.96	659.01	0.90	-0.70	-0.57
3,449.00	92.35	348.50	2,835.65	720.71	-253.42	720.76	5.17	5.16	-0.27
3,512.00	91.96	348.94	2,833.28	782.45	-265.74	782.50	0.93	-0.62	0.70
3,576.00	93.80	349.38	2,830.07	845.23	-277.76	845.27	2.96	2.87	0.69
3,638.00	93.23	349.29	2,826.27	906.04	-289.21	906.09	0.93	-0.92	-0.15
3,701.00	92.66	349.20	2,823.03	967.85	-300.95	967.90	0.92	-0.90	-0.14
3,723.00	92.44	349.99	2,822.05	989.47	-304.92	989.52	3.72	-1.00	3.59
3,786.00	92.00	351.05	2,819.61	1,051.56	-315.29	1,051.62	1.82	-0.70	1.68
3,849.00	92.18	352.89	2,817.31	1,113.90	-324.08	1,113.95	2.93	0.29	2.92



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #9H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Site:	Osage Boyd 15 Federal Com	MD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Well:	#9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
3,912.00	93.10	355.27	2,814.41	1,176.49	-330.57	1,176.55	4.05	1.46	3.78
3,975.00	93.01	358.34	2,811.05	1,239.30	-334.08	1,239.35	4.87	-0.14	4.87
4,037.00	93.14	359.57	2,807.72	1,301.19	-335.21	1,301.25	1.99	0.21	1.98
4,100.00	93.10	0.01	2,804.30	1,364.10	-335.44	1,364.16	0.70	-0.06	0.70
4,163.00	93.14	0.01	2,800.87	1,427.01	-335.43	1,427.07	0.06	0.06	0.00
4,226.00	93.01	0.71	2,797.49	1,489.92	-335.03	1,489.97	1.13	-0.21	1.11
4,289.00	92.92	0.63	2,794.23	1,552.83	-334.30	1,552.88	0.19	-0.14	-0.13
4,352.00	92.70	1.24	2,791.14	1,615.74	-333.27	1,615.80	1.03	-0.35	0.97
4,416.00	92.40	2.21	2,788.29	1,679.65	-331.35	1,679.71	1.59	-0.47	1.52
4,477.00	92.88	2.21	2,785.48	1,740.54	-329.00	1,740.60	0.79	0.79	0.00
4,536.00	93.41	2.12	2,782.25	1,799.41	-326.77	1,799.46	0.91	0.90	-0.15
4,605.00	93.36	2.30	2,778.17	1,868.24	-324.12	1,868.29	0.27	-0.07	0.26
4,668.00	93.67	2.74	2,774.31	1,931.06	-321.35	1,931.11	0.85	0.49	0.70
4,731.00	93.54	2.82	2,770.35	1,993.86	-318.30	1,993.91	0.24	-0.21	0.13
4,793.00	92.26	2.12	2,767.21	2,055.72	-315.63	2,055.77	2.35	-2.06	-1.13
4,856.00	92.00	2.91	2,764.87	2,118.61	-312.87	2,118.67	1.32	-0.41	1.25
4,918.00	91.38	2.12	2,763.04	2,180.53	-310.15	2,180.58	1.62	-1.00	-1.27
4,981.00	90.90	0.80	2,761.79	2,243.49	-308.55	2,243.55	2.23	-0.76	-2.10
5,044.00	91.03	0.54	2,760.73	2,306.48	-307.81	2,306.53	0.46	0.21	-0.41
5,107.00	90.86	0.10	2,759.69	2,369.47	-307.46	2,369.52	0.75	-0.27	-0.70
5,170.00	90.73	0.71	2,758.81	2,432.46	-307.01	2,432.51	0.99	-0.21	0.97
5,233.00	90.64	0.63	2,758.06	2,495.45	-306.28	2,495.51	0.19	-0.14	-0.13
5,296.00	90.24	359.48	2,757.58	2,558.45	-306.22	2,558.50	1.93	-0.63	-1.83
5,359.00	90.33	359.48	2,757.26	2,621.45	-306.79	2,621.50	0.14	0.14	0.00
5,422.00	90.15	359.84	2,757.00	2,684.44	-307.16	2,684.50	0.64	-0.29	0.57
5,485.00	90.37	0.19	2,756.71	2,747.44	-307.14	2,747.50	0.66	0.35	0.56
5,546.00	89.98	359.13	2,756.53	2,808.44	-307.51	2,808.49	1.85	-0.64	-1.74
5,609.00	89.85	359.75	2,756.62	2,871.44	-308.12	2,871.49	1.01	-0.21	0.98
5,672.00	89.76	0.19	2,756.83	2,934.44	-308.15	2,934.49	0.71	-0.14	0.70
5,735.00	89.93	359.66	2,757.01	2,997.44	-308.24	2,997.49	0.88	0.27	-0.84
5,799.00	89.93	359.84	2,757.08	3,061.44	-308.52	3,061.49	0.28	0.00	0.28
5,862.00	90.11	0.54	2,757.06	3,124.44	-308.31	3,124.49	1.15	0.29	1.11
5,925.00	90.02	0.71	2,756.99	3,187.43	-307.62	3,187.48	0.31	-0.14	0.27
5,988.00	89.67	0.80	2,757.16	3,250.43	-306.79	3,250.48	0.57	-0.56	0.14
6,051.00	89.05	0.19	2,757.86	3,313.42	-306.25	3,313.47	1.38	-0.98	-0.97
6,113.00	89.05	0.36	2,758.89	3,375.41	-305.95	3,375.46	0.27	0.00	0.27
6,172.00	88.92	0.45	2,759.94	3,434.40	-305.53	3,434.45	0.27	-0.22	0.15
6,231.00	89.27	0.80	2,760.87	3,493.39	-304.89	3,493.44	0.84	0.59	0.59
6,291.00	89.27	1.15	2,761.63	3,553.37	-303.87	3,553.43	0.58	0.00	0.58
6,351.00	88.97	359.40	2,762.56	3,613.36	-303.58	3,613.42	2.96	-0.50	-2.92
6,412.00	90.07	359.31	2,763.07	3,674.36	-304.27	3,674.41	1.81	1.80	-0.15
6,472.00	90.64	359.40	2,762.69	3,734.35	-304.94	3,734.40	0.96	0.95	0.15
6,532.00	90.59	359.40	2,762.05	3,794.34	-305.57	3,794.40	0.08	-0.08	0.00



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #9H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Site:	Osage Boyd 15 Federal Com	MD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Well:	#9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	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)
6,592.00	90.86	0.10	2,761.29	3,854.34	-305.83	3,854.39	1.25	0.45	1.17
6,652.00	91.08	359.92	2,760.28	3,914.33	-305.82	3,914.38	0.47	0.37	-0.30
6,712.00	90.64	359.13	2,759.37	3,974.32	-306.32	3,974.37	1.51	-0.73	-1.32
6,773.00	90.81	0.10	2,758.60	4,035.31	-306.73	4,035.37	1.61	0.28	1.59
6,834.00	90.95	0.54	2,757.67	4,096.31	-306.39	4,096.36	0.76	0.23	0.72
6,895.00	91.12	0.63	2,756.56	4,157.29	-305.76	4,157.35	0.32	0.28	0.15
6,956.00	90.11	359.40	2,755.91	4,218.29	-305.75	4,218.34	2.61	-1.66	-2.02
7,017.00	89.80	359.13	2,755.96	4,279.28	-306.53	4,279.34	0.67	-0.51	-0.44
7,078.00	89.93	359.57	2,756.10	4,340.28	-307.22	4,340.33	0.75	0.21	0.72
7,140.00	88.97	358.69	2,756.70	4,402.27	-308.16	4,402.32	2.10	-1.55	-1.42
7,201.00	89.19	359.22	2,757.68	4,463.25	-309.28	4,463.30	0.94	0.36	0.87
7,262.00	89.36	359.75	2,758.45	4,524.24	-309.83	4,524.29	0.91	0.28	0.87
7,323.00	89.98	359.13	2,758.80	4,585.24	-310.42	4,585.29	1.44	1.02	-1.02
7,386.00	90.15	359.92	2,758.73	4,648.23	-310.94	4,648.29	1.28	0.27	1.25
7,449.00	90.95	359.31	2,758.12	4,711.23	-311.37	4,711.28	1.60	1.27	-0.97
7,512.00	91.03	0.45	2,757.03	4,774.22	-311.50	4,774.27	1.81	0.13	1.81
7,576.00	91.34	0.45	2,755.71	4,838.20	-311.00	4,838.26	0.48	0.48	0.00
7,639.00	92.70	359.66	2,753.49	4,901.16	-310.94	4,901.21	2.50	2.16	-1.25
7,701.00	92.84	0.36	2,750.49	4,963.09	-310.93	4,963.14	1.15	0.23	1.13
7,764.00	91.38	0.19	2,748.17	5,026.04	-310.62	5,026.10	2.33	-2.32	-0.27
7,828.00	91.25	0.45	2,746.71	5,090.02	-310.27	5,090.08	0.45	-0.20	0.41
7,891.00	91.60	0.01	2,745.14	5,153.00	-310.01	5,153.06	0.89	0.56	-0.70
7,954.00	91.91	358.08	2,743.21	5,215.96	-311.06	5,216.02	3.10	0.49	-3.06
8,017.00	92.62	358.87	2,740.72	5,278.89	-312.74	5,278.95	1.69	1.13	1.25
8,080.00	92.04	358.52	2,738.16	5,341.82	-314.17	5,341.88	1.08	-0.92	-0.56
8,143.00	89.80	358.25	2,737.15	5,404.78	-315.95	5,404.84	3.58	-3.56	-0.43
8,205.00	90.51	358.25	2,736.98	5,466.76	-317.84	5,466.81	1.15	1.15	0.00
8,268.00	91.21	359.13	2,736.03	5,529.73	-319.28	5,529.79	1.78	1.11	1.40
8,331.00	91.96	359.75	2,734.29	5,592.70	-319.90	5,592.76	1.54	1.19	0.98
8,394.00	92.79	0.28	2,731.68	5,655.65	-319.88	5,655.70	1.56	1.32	0.84
8,457.00	93.71	0.63	2,728.11	5,718.54	-319.38	5,718.60	1.56	1.46	0.56
8,520.00	94.77	1.15	2,723.45	5,781.36	-318.40	5,781.42	1.87	1.68	0.83
8,534.00	95.16	1.33	2,722.24	5,795.31	-318.10	5,795.36	3.07	2.79	1.29
8,590.00	95.16	1.33	2,717.20	5,851.06	-316.81	5,851.12	0.00	0.00	0.00
Final Station Closure Distance= 5859.64 /Direction= 356.90 - Projection to Bit: 8590.00' MD/ 2717.20' TVD - TD: Y= 60681									



Survey Report



Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well #9H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Site:	Osage Boyd 15 Federal Com	MD Reference:	RKB=20' @ 3495.00usft (Akita 57)
Well:	#9H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	WBDS_SQL_2

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
9H Final Bit Proj @ 85	0.00	0.00	2,717.20	5,851.06	-316.81	606,813.37	496,197.69	32.668090	-104.480025
- survey hits target center									
- Point									

Survey Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
8,590.00	2,717.20	5,851.06	-316.81	Final Station Closure Distance= 5859.64 /Direction= 356.90
8,590.00	2,717.20	5,851.06	-316.81	Projection to Bit: 8590.00' MD/ 2717.20' TVD
8,590.00	2,717.20	5,851.06	-316.81	TD: Y= 606813.36 / X= 496197.69
8,590.00	2,717.20	5,851.06	-316.81	TD: Latitude= 32.668090 / Longitude= -104.480025

Checked By: _____ Approved By: _____ Date: _____

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)

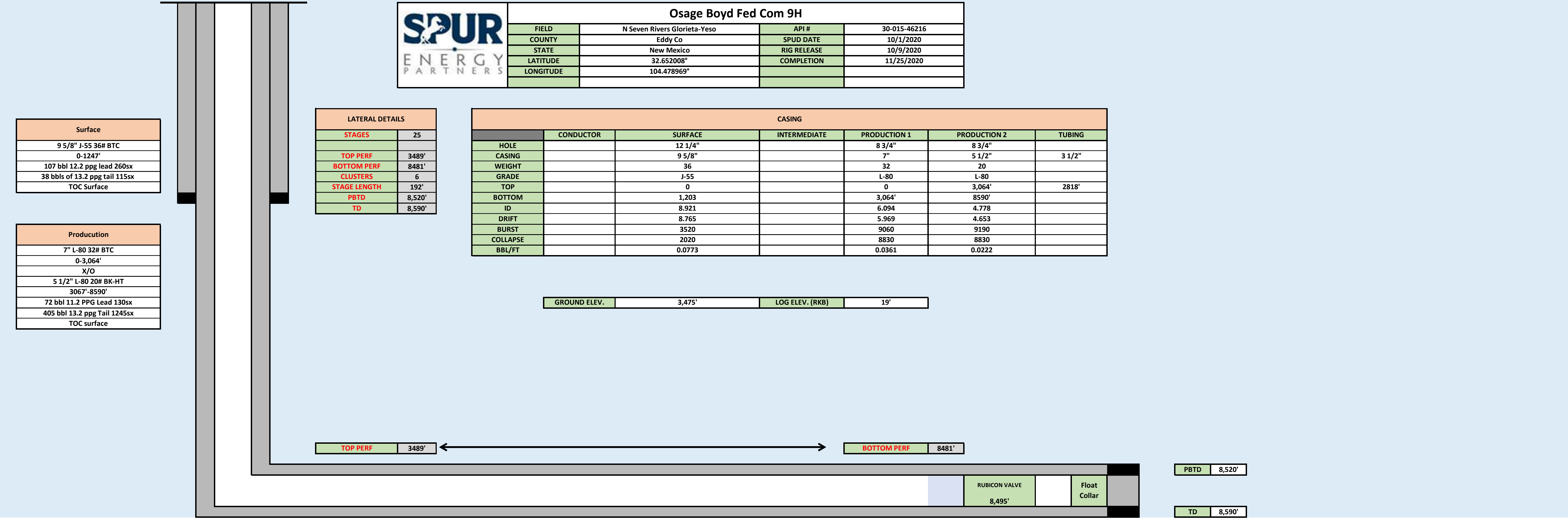
UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

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 27286

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 27286
	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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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 27286

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 27286
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	Submit BLM form 3160-4 completion report when available.	7/15/2021