

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
--	--	---

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**Section 1 - Operator and Well Information**

Submittal Type: ☒ Test Allowable (C-104RT) ☐ New Well (C-104NW) ☐ Recomplete (C-104RC) ☐ Pay Add (C-104RC) ☐ Amended	
Operator Name: SPUR ENERGY PARTNERS LLC	OGRID: 328947
Property Name and Well Number: PATRICK 10 FEDERAL COM 51H	Property Code: 333341
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal	API Number: 30-0 15-53465
Pool Name: N. SEVEN RIVERS; GLORIETA-YESO	Pool Code: 97565

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
D	11	19S	25E		681' FNL	1174' FWL	32.6808604	-104.460182	EDDY

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
P	08/21/2024	3961'-9114'	3374'-3150'

Section 4 – Action IDs for Submissions and Order Numbers

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW):	Communitization Agreement ☒ Yes ☐ No, Order No. PENDING
Surface Casing Action ID: 342393	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID:	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 368534	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID:	Non-standard Proration: ☐ Yes ☒ No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N):	Simultaneous Dedication: ☐ Yes ☒ No, Order No.

Section 5 - Operator Signature and Certification

☒ I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
☒ I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
☒ 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.	
Name <i>Sarah Chapman</i> SARAH CHAPMAN	
Title REGULATORY DIRECTOR	Date 08/21/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☐ Amended Report
		☒ As Drilled	

WELL LOCATION INFORMATION

API Number 30-015-53465	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 333341	Property Name PATRICK 10 FEDERAL COM	Well Number 51H
OGRID No. 328947	Operator Name SPUR ENERGY SERVICES LLC.	Ground Level Elevation 3445'
Surface Owner: ☐ State ☒ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal

Surface Location

UL D	Section 11	Township 19S	Range 25E	Lot	Ft. from N/S 681 FNL	Ft. from E/W 1174 FWL	Latitude 32.6808604°N	Longitude 104.4601822°W	County EDDY
---------	---------------	-----------------	--------------	-----	-------------------------	--------------------------	--------------------------	----------------------------	----------------

Bottom Hole Location

UL D	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 588 FNL	Ft. from E/W 41 FWL	Latitude 32.6814580°N	Longitude 104.4814142°W	County EDDY
---------	---------------	-----------------	--------------	-----	-------------------------	------------------------	--------------------------	----------------------------	----------------

Dedicated Acres 320	Infill or Defining Well INFILL	Defining Well API 30-015-50023	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL D	Section 11	Township 19S	Range 25E	Lot	Ft. from N/S 582 FNL	Ft. from E/W 750 FWL	Latitude 32.6811666°N	Longitude 104.4615555°W	County EDDY
---------	---------------	-----------------	--------------	-----	-------------------------	-------------------------	--------------------------	----------------------------	----------------

First Take Point (FTP)

UL A	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 586 FNL	Ft. from E/W 148 FEL	Latitude 32.6812233°N	Longitude 104.4644729°W	County EDDY
---------	---------------	-----------------	--------------	-----	-------------------------	-------------------------	--------------------------	----------------------------	----------------

Last Take Point (LTP)

UL D	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 587 FNL	Ft. from E/W 107 FWL	Latitude 32.6814581°N	Longitude 104.4811998°W	County EDDY
---------	---------------	-----------------	--------------	-----	-------------------------	-------------------------	--------------------------	----------------------------	----------------

Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3445' GR
--	--	-------------------------------------

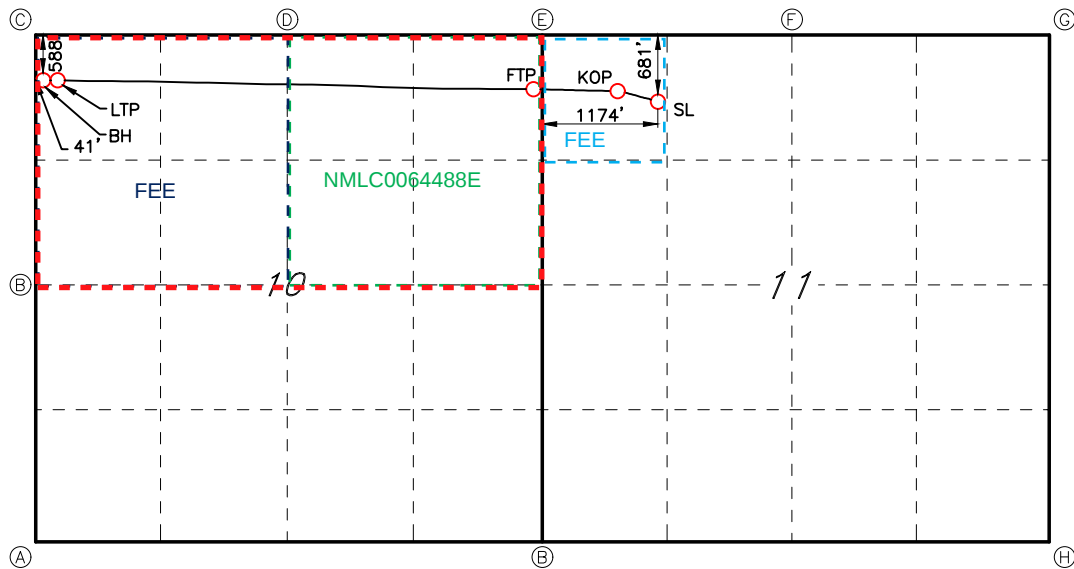
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Sarah Chapman</i> 08/26/2024 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPURENERGY.COM Email Address		SURVEYOR CERTIFICATIONS <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me under my supervision, and that the same is true and correct to the best of my belief.</i>  Signature and Seal of Professional Surveyor <i>Robert M. Howell</i> Certificate Number 19680 Date of Survey 08/11/2024	
--	--	---	--

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 611451.5 - E: 502309.2
LAT: 32.6808604° N
LONG: 104.4601822° W

KICK OFF POINT (KOP)
N: 611563.4 - E: 501886.8
LAT: 32.6811666° N
LONG: 104.4615555° W
MD=2852.0'
TVD=2804.2'

FIRST TAKE POINT (FTP)
N: 611585.1 - E: 500989.2
LAT: 32.6812233° N
LONG: 104.4644729° W
MD=3961.0'
TVD=3373.7'

LAST TAKE POINT (LTP)
N: 611677.3 - E: 495842.9
LAT: 32.6814581° N
LONG: 104.4811998° W
MD=9114.0'
TVD=3150.1'

BOTTOM HOLE (BH)
N: 611677.4 - E: 495776.9
LAT: 32.6814580° N
LONG: 104.4814142° W
MD=9180.0'
TVD=3148.3'

CORNER DATA
NAD 83 GRID - NM EAST
A: FOUND 3/8" REBAR
N: 606875.7 - E: 495832.6

B: FOUND 1/2" REBAR
N: 609617.4 - E: 495734.0

C: FOUND MOUND OF STONES
N: 612266.3 - E: 495736.5

D: FOUND MOUND OF STONES
N: 612218.7 - E: 498438.8

E: FOUND 1-1/2" PIPE
N: 612168.4 - E: 501140.0

F: FOUND 1" BOLT
N: 612088.5 - E: 503739.5

G: FOUND 1/2" REBAR
N: 612008.3 - E: 506339.4

H: FOUND BOLT
N: 606691.2 - E: 506353.0

I: FOUND 1/2" REBAR
N: 606784.8 - E: 501112.4



July 23rd , 2024

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

RE: SPUR ENERGY PARTNERS LLC 328947
Well: PATRICK 10 FEDERAL COM 51H
POOLS:[97565] N. SEVEN RIVERS;GLORIETA-YESO
EDDY COUNTY, NM
API Number: 30-015-53465

Please find the attached surveys performed on the above referenced well by Prime Solution Services.

Other information required by your office is as follows:

Original Hole:

Surveyed Depths: 130' MD– 9085' MD projection to 9180' MD
Date Performed: 4/25/2024 – 07/20/2024
Type of Survey: Directional Survey – MWD/IFR

A certified plat on which the bottom hole location is oriented both to the surface location and the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Matt Simpson

Matt Simpson
MWD Operations Manager

346-310-9626

msimpson@primesolutionsvcs.com

SPUR ENERGY PARTNERS LLC.

Project: Eddy County, NM (NAD83) NMEZ Grid

Site: Patrick 10 Federal

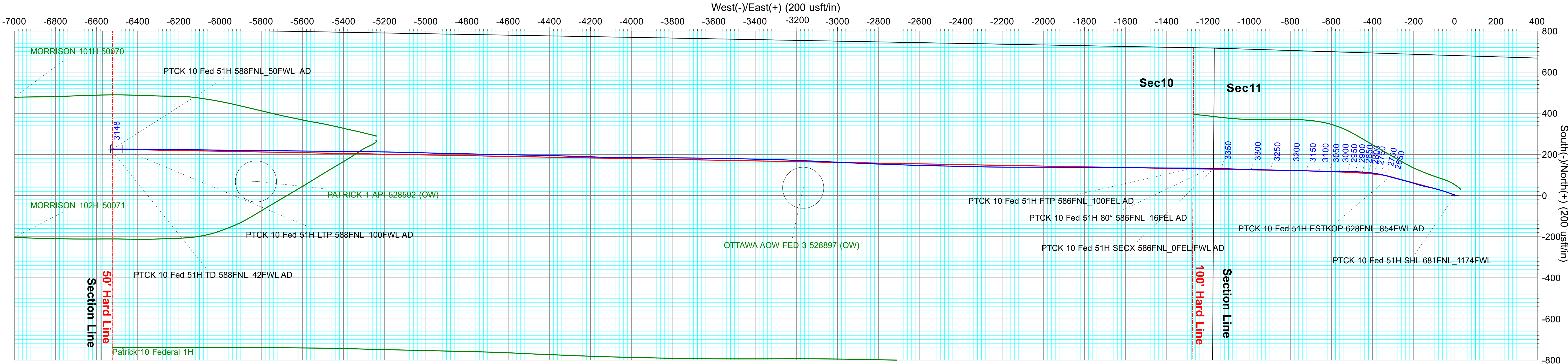
Well: Patrick 10 Federal 51H

Wellbore: 51H OH

Design: 51H OH AsDrilled

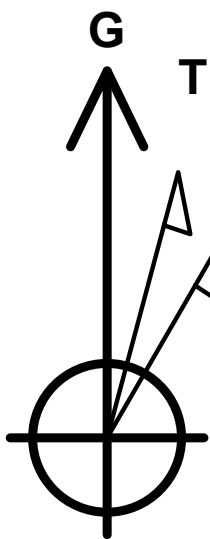
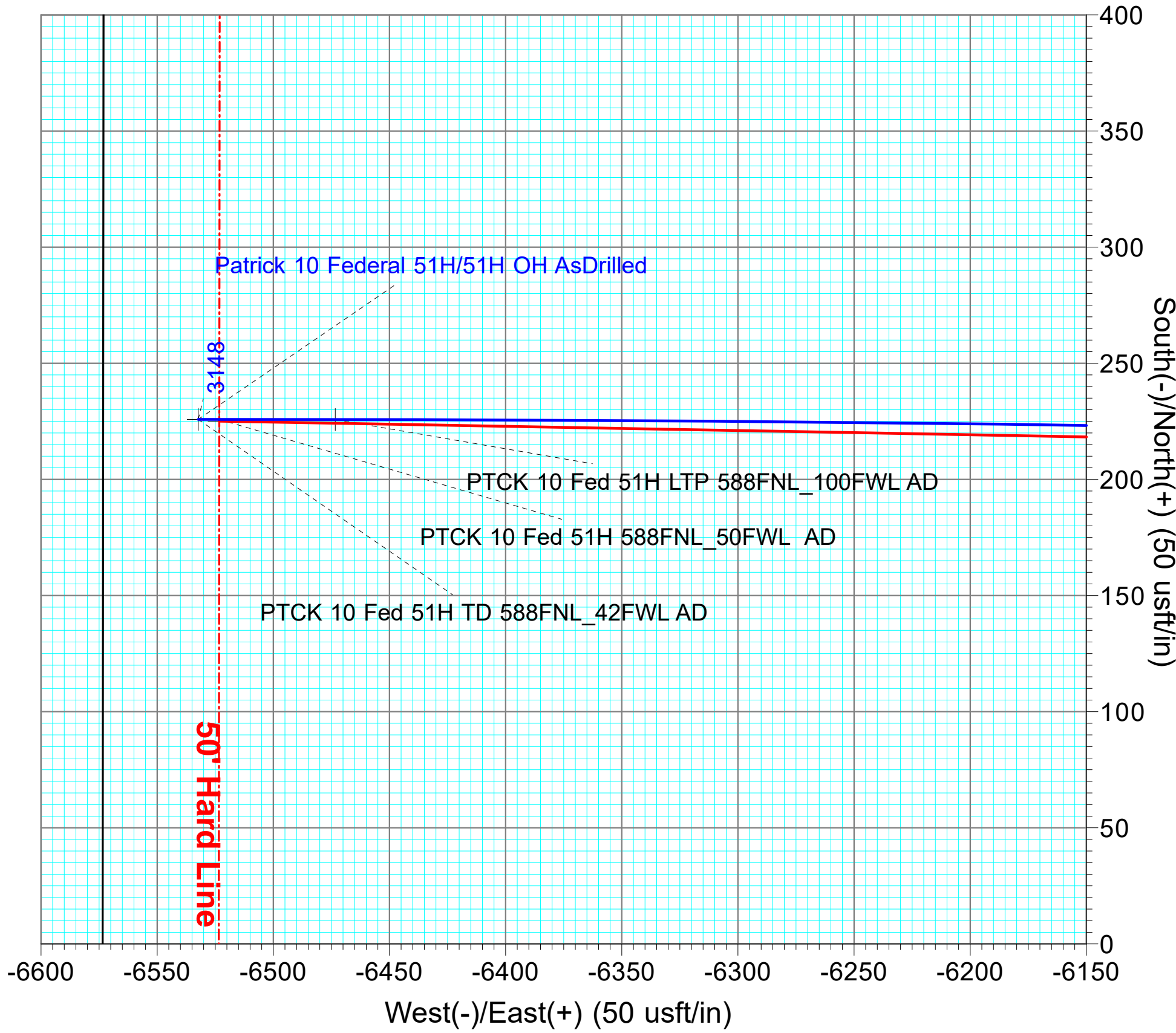
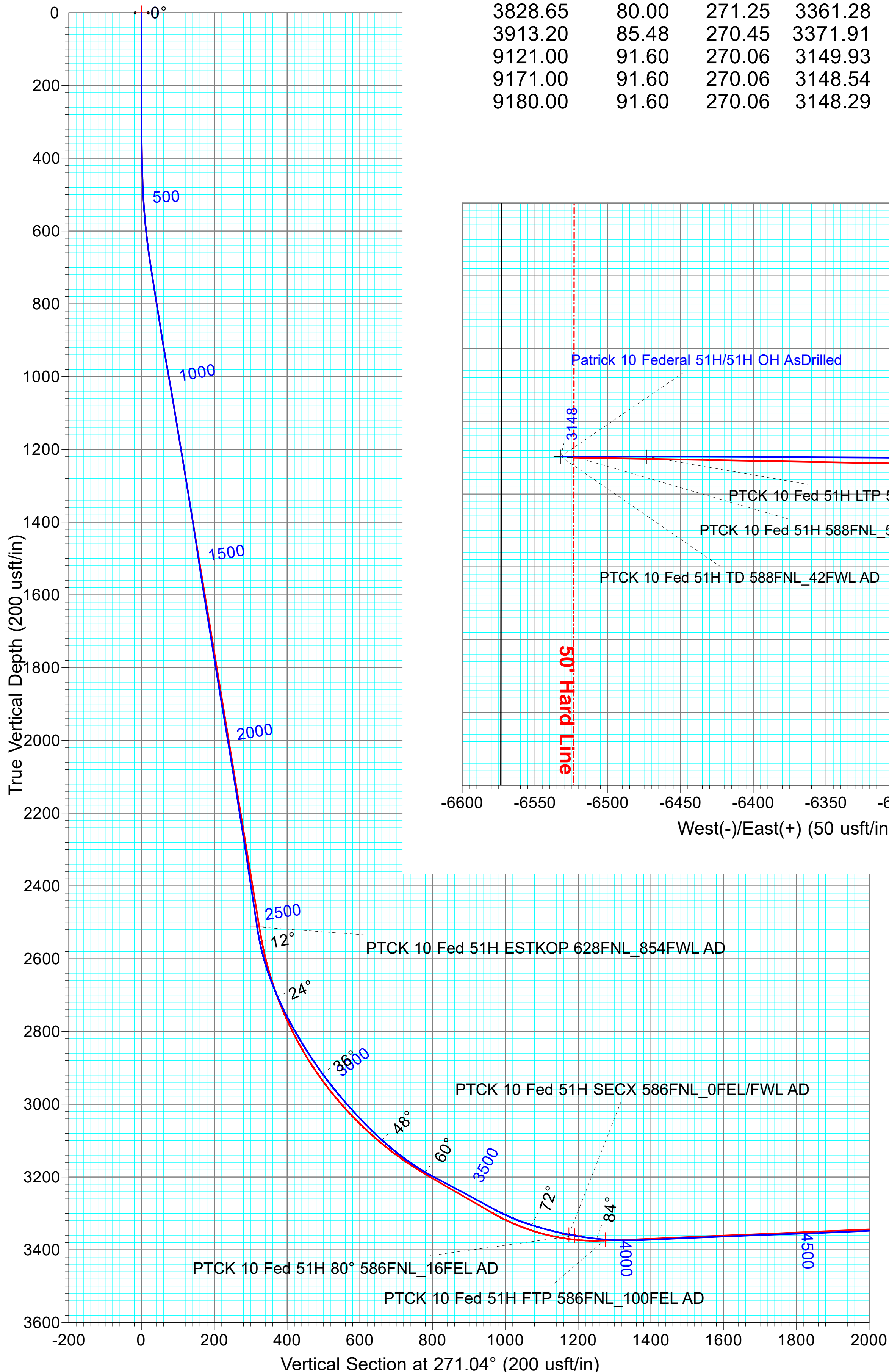
3445+20 @ 3465.00usft (akita)
North American Datum 1983

Name	TVD	+N/-S	+E/-W	Northing	Easting
patrick api 528592	-56.00	68.89	-5825.55	611520.390	496483.650
OTTAWA AOW 528897	-29.00	37.81	-3166.63	611489.308	499142.571
PTCK 10 Fed 51H SHL 681FNL_1174FWL	0.00	0.00	0.00	611451.500	502309.200
PTCK 10 Fed 51H ESTKOP 628FNL_854FWL AD	2512.63	91.38	-315.78	611542.884	501993.425
PTCK 10 Fed 51H TD 588FNL_42FWL AD	3148.29	225.87	-6532.26	611677.369	495776.940
PTCK 10 Fed 51H 588FNL_50FWL AD	3148.54	225.86	-6523.26	611677.360	495785.936
PTCK 10 Fed 51H LTP 588FNL_100FWL AD	3149.93	225.81	-6473.28	611677.307	495835.917
PTCK 10 Fed 51H PBHLp3 adj 589FNL_50FWL	3150.00	225.10	-6523.30	611676.600	495785.900
PTCK 10 Fed 51H SECX 586FNL_0FEL/FWL AD	3358.27	131.84	-1172.24	611583.340	501136.964
PTCK 10 Fed 51H 80° 586FNL_16FEL AD	3361.28	132.22	-1188.40	611583.722	501120.796
PTCK 10 Fed 51H FTP 586FNL_100FEL AD	3371.91	133.34	-1272.24	611584.837	501036.958



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
2539.00	8.78	285.90	2512.63	91.38	-315.77	ESTKOP 628FNL_854FWL
3812.20	78.92	271.45	3358.27	131.84	-1172.24	SECX 586FNL_0FEL/FWL
3828.65	80.00	271.25	3361.28	132.22	-1188.40	80° 586FNL_16FEL
3913.20	85.48	270.45	3371.91	133.34	-1272.24	FTP 586FNL_100FEL
9121.00	91.60	270.06	3149.93	225.81	-6473.28	LTP 588FNL_100FWL
9171.00	91.60	270.06	3148.54	225.86	-6523.26	588FNL_50FWL
9180.00	91.60	270.06	3148.29	225.87	-6532.26	TD 588FNL_42FWL



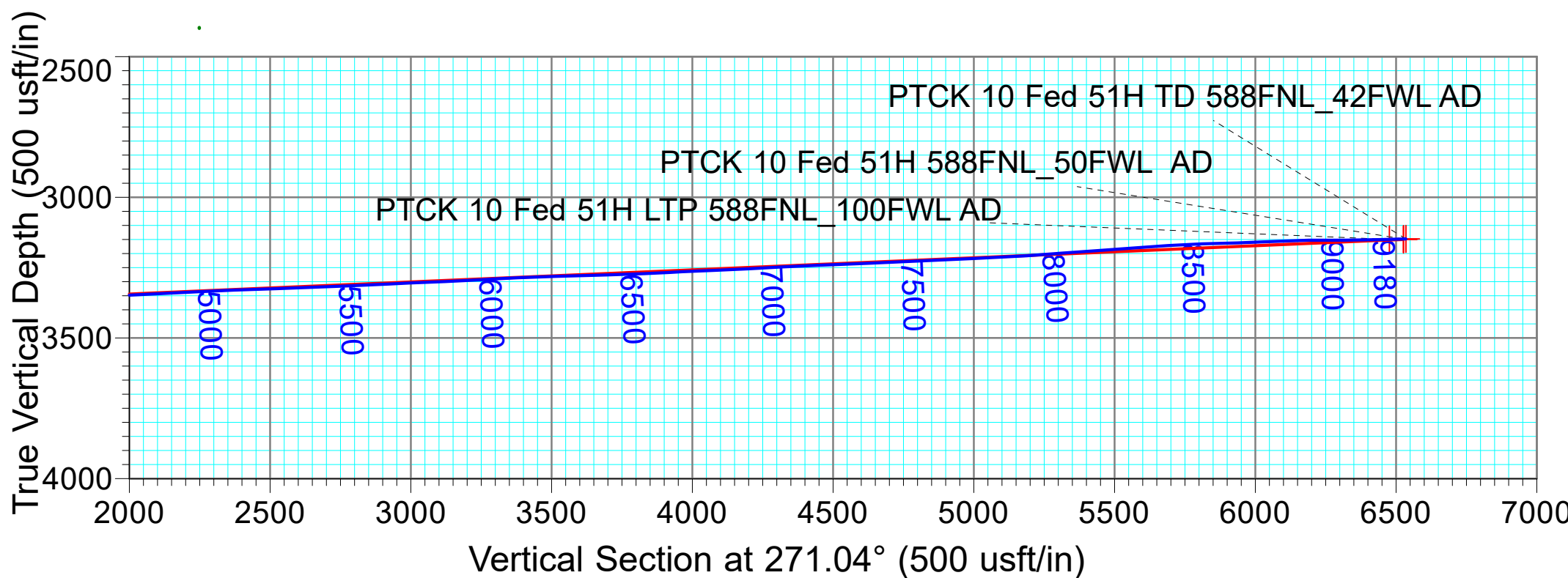
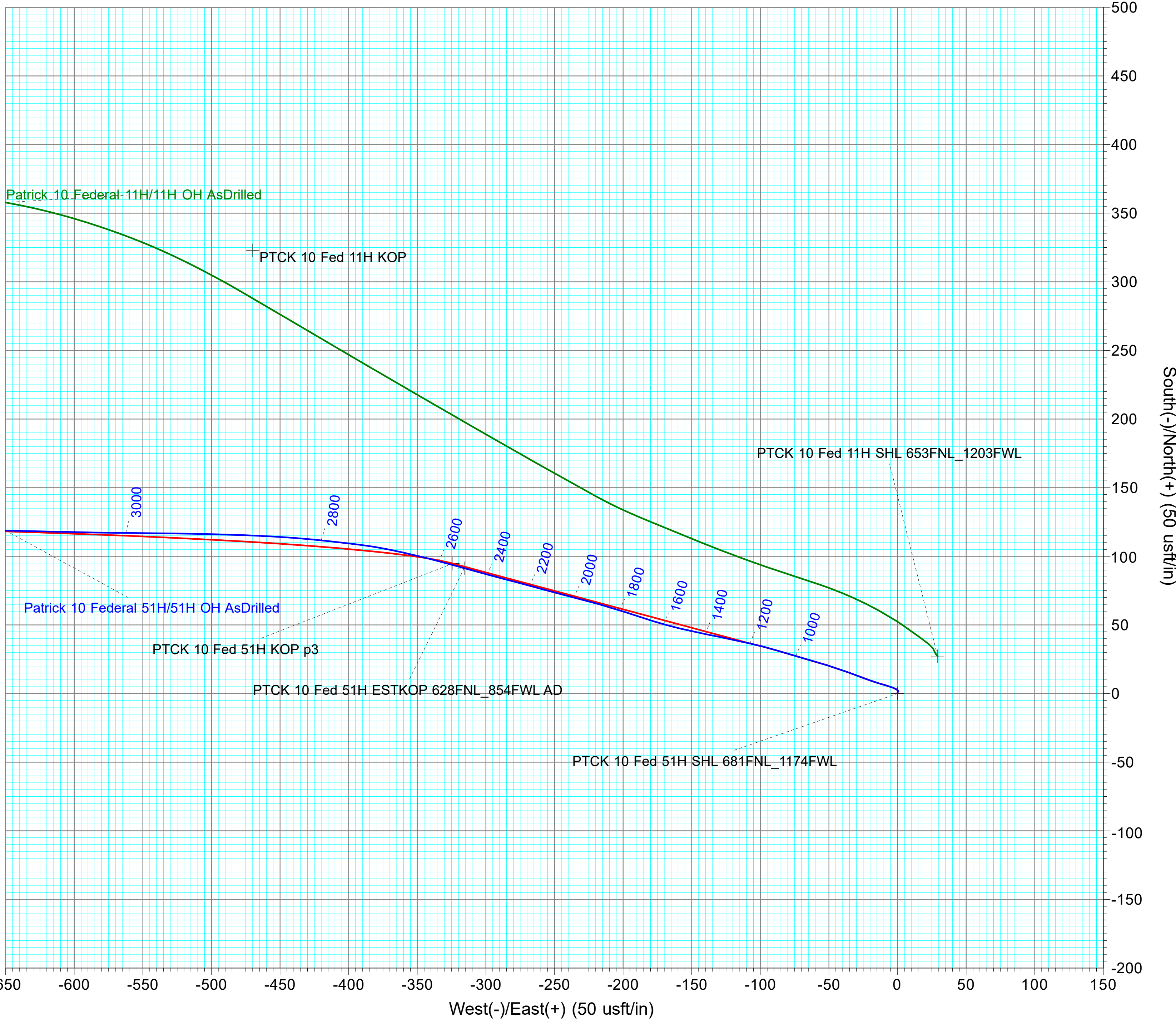
Azimuths to Grid North
True North: 0.07°
Magnetic North: 6.79°

Magnetic Field
Strength: 47646.0nT
Dip Angle: 60.24°
Date: 03/31/2024
Model: USER DEFINED

PROJECT DETAILS: Eddy County, NM (NAD83) NMEZ Grid
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 6.79°

Magnetic North is 6.79° East of Grid North (Magnetic Convergence)
Magnetic North is 6.72° East of True North (Magnetic Declination)



SPUR ENERGY PARTNERS LLC.
ddy County, NM (NAD83) NMEZ Grid
Patrick 10 Federal
Patrick 10 Federal 51H
51H OH
51H OH AsDrilled
Created By: Mekka Williams
eSomnia Well Design
mekka@esominawell.com

SPUR ENERGY PARTNERS LLC.

Eddy County, NM (NAD83) NMEZ Grid

Patrick 10 Federal

Patrick 10 Federal 51H

51H OH

Design: 51H OH AsDrilled

Standard Survey Report

23 July, 2024

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 51H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3445+20 @ 3465.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 51H	North Reference:	Grid
Wellbore:	51H OH	Survey Calculation Method:	Minimum Curvature
Design:	51H OH AsDrilled	Database:	PRIME_EDM

Project	Eddy County, NM (NAD83) NMEZ Grid		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Patrick 10 Federal			
Site Position:		Northing:	610,338.900 usft	Latitude:	32.6778015
From:	Map	Easting:	502,095.700 usft	Longitude:	-104.4608717
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.07 °

Well	Patrick 10 Federal 51H					
Well Position	+N/-S	0.00 usft	Northing:	611,451.500 usft	Latitude:	32.6808604
	+E/-W	0.00 usft	Easting:	502,309.200 usft	Longitude:	-104.4601822
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,445.00 usft

Wellbore	51H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	03/31/24	6.72	60.24	47,646.00000000

Design	51H OH AsDrilled				
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	271.04	

Survey Program	Date	07/23/24			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
130.00	1,196.00	Survey #1 Transcend (51H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
1,348.00	9,085.00	Survey #2 Akita (51H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
9,180.00	9,180.00	Survey #3 (51H OH)	Projection	Projection	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
130.00	0.51	1.40	130.00	0.58	0.01	0.00	0.39	0.39	0.00	
219.00	0.59	32.86	218.99	1.36	0.27	-0.25	0.35	0.09	35.35	
305.00	0.59	333.79	304.99	2.13	0.32	-0.28	0.68	0.00	-68.69	
400.00	1.24	300.78	399.98	3.09	-0.78	0.84	0.85	0.68	-34.75	
494.00	2.92	291.05	493.91	4.47	-3.89	3.97	1.82	1.79	-10.35	
588.00	5.96	285.65	587.62	6.65	-10.83	10.94	3.26	3.23	-5.74	
683.00	9.02	290.13	681.80	10.55	-22.57	22.76	3.28	3.22	4.72	
777.00	9.74	290.35	774.54	15.85	-36.94	37.23	0.77	0.77	0.23	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 51H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3445+20 @ 3465.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 51H	North Reference:	Grid
Wellbore:	51H OH	Survey Calculation Method:	Minimum Curvature
Design:	51H OH AsDrilled	Database:	PRIME_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
871.00	9.23	286.27	867.26	20.72	-51.64	52.00	0.90	-0.54	-4.34
966.00	10.55	286.41	960.84	25.32	-67.29	67.74	1.39	1.39	0.15
1,060.00	10.03	286.62	1,053.33	30.09	-83.39	83.92	0.55	-0.55	0.22
1,091.00	9.66	286.29	1,083.88	31.59	-88.48	89.03	1.21	-1.19	-1.06
1,154.00	9.48	284.39	1,146.00	34.36	-98.57	99.18	0.58	-0.29	-3.02
1,196.00	9.80	283.20	1,187.41	36.04	-105.40	106.04	0.90	0.76	-2.83
1,348.00	9.34	281.03	1,337.29	41.35	-130.11	130.83	0.38	-0.30	-1.43
1,409.00	9.05	281.86	1,397.51	43.28	-139.66	140.42	0.52	-0.48	1.36
1,534.00	8.69	283.06	1,521.01	47.44	-158.48	159.31	0.32	-0.29	0.96
1,659.00	9.69	287.25	1,644.41	52.69	-177.72	178.65	0.96	0.80	3.35
1,784.00	9.48	288.51	1,767.66	59.08	-197.53	198.57	0.24	-0.17	1.01
1,911.00	9.84	285.12	1,892.86	65.23	-217.93	219.08	0.53	0.28	-2.67
2,037.00	9.66	284.53	2,017.04	70.69	-238.55	239.80	0.16	-0.14	-0.47
2,164.00	9.35	285.06	2,142.30	76.05	-258.83	260.17	0.25	-0.24	0.42
2,289.00	9.25	285.10	2,265.66	81.30	-278.34	279.77	0.08	-0.08	0.03
2,414.00	8.83	284.65	2,389.10	86.34	-297.32	298.84	0.34	-0.34	-0.36
2,539.00	8.78	285.90	2,512.63	91.38	-315.77	317.38	0.16	-0.04	1.00
ESTKOP 628FNL_854FWL									
2,601.00	13.57	285.13	2,573.44	94.58	-327.35	329.02	7.73	7.73	-1.24
2,664.00	19.21	284.02	2,633.85	99.02	-344.56	346.30	8.97	8.95	-1.76
2,727.00	23.29	282.17	2,692.56	104.16	-366.80	368.63	6.56	6.48	-2.94
2,790.00	26.82	277.17	2,749.63	108.56	-393.09	394.99	6.53	5.60	-7.94
2,852.00	30.01	275.85	2,804.15	111.89	-422.40	424.36	5.24	5.15	-2.13
2,914.00	32.90	273.16	2,857.04	114.40	-454.64	456.64	5.18	4.66	-4.34
2,977.00	35.57	271.67	2,909.12	115.88	-490.05	492.07	4.44	4.24	-2.37
3,064.00	40.12	270.38	2,977.80	116.80	-543.40	545.43	5.31	5.23	-1.48
3,126.00	42.58	271.02	3,024.34	117.31	-584.35	586.39	4.03	3.97	1.03
3,189.00	45.32	271.48	3,069.69	118.27	-628.06	630.11	4.38	4.35	0.73
3,251.00	49.28	271.08	3,111.73	119.28	-673.61	675.66	6.40	6.39	-0.65
3,314.00	53.58	271.16	3,151.00	120.24	-722.84	724.91	6.83	6.83	0.13
3,376.00	59.69	270.83	3,185.08	121.14	-774.59	776.66	9.86	9.85	-0.53
3,407.00	62.04	271.44	3,200.17	121.67	-801.66	803.74	7.77	7.58	1.97
3,438.00	62.22	271.63	3,214.67	122.41	-829.06	831.14	0.79	0.58	0.61
3,470.00	61.97	271.67	3,229.64	123.22	-857.32	859.42	0.79	-0.78	0.13
3,502.00	61.81	271.42	3,244.72	123.98	-885.54	887.64	0.85	-0.50	-0.78
3,533.00	61.65	271.73	3,259.40	124.73	-912.83	914.94	1.02	-0.52	1.00
3,564.00	61.40	271.90	3,274.18	125.60	-940.07	942.19	0.94	-0.81	0.55
3,595.00	61.88	271.47	3,288.91	126.40	-967.33	969.47	1.97	1.55	-1.39
3,626.00	65.01	271.24	3,302.76	127.05	-995.05	997.19	10.12	10.10	-0.74
3,689.00	70.67	271.48	3,326.52	128.44	-1,053.36	1,055.52	8.99	8.98	0.38
3,751.00	75.33	271.81	3,344.64	130.14	-1,112.61	1,114.79	7.53	7.52	0.53
3,812.20	78.92	271.45	3,358.27	131.84	-1,172.24	1,174.44	5.90	5.87	-0.59
SECX 586FNL_0FEL/FWL									

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 51H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3445+20 @ 3465.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 51H	North Reference:	Grid
Wellbore:	51H OH	Survey Calculation Method:	Minimum Curvature
Design:	51H OH AsDrilled	Database:	PRIME_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,814.00	79.03	271.44	3,358.62	131.88	-1,174.00	1,176.20	5.90	5.87	-0.58	
3,828.65	80.00	271.25	3,361.28	132.22	-1,188.40	1,190.61	6.74	6.62	-1.31	
80° 586FNL_16FEL										
3,877.00	83.20	270.62	3,368.34	133.00	-1,236.22	1,238.43	6.74	6.62	-1.30	
3,913.20	85.48	270.45	3,371.91	133.34	-1,272.24	1,274.45	6.32	6.30	-0.46	
FTP 586FNL_100FEL										
3,940.00	87.17	270.33	3,373.63	133.52	-1,298.99	1,301.19	6.32	6.30	-0.46	
4,003.00	92.49	270.15	3,373.82	133.78	-1,361.96	1,364.17	8.45	8.44	-0.29	
4,129.00	92.52	270.46	3,368.31	134.45	-1,487.84	1,490.03	0.25	0.02	0.25	
4,254.00	92.24	270.56	3,363.12	135.57	-1,612.73	1,614.92	0.24	-0.22	0.08	
4,381.00	92.21	270.38	3,358.19	136.61	-1,739.63	1,741.82	0.14	-0.02	-0.14	
4,506.00	91.91	270.34	3,353.70	137.39	-1,864.54	1,866.73	0.24	-0.24	-0.03	
4,632.00	93.06	270.31	3,348.23	138.11	-1,990.42	1,992.60	0.91	0.91	-0.02	
4,758.00	92.44	269.67	3,342.19	138.08	-2,116.27	2,118.43	0.71	-0.49	-0.51	
4,883.00	93.11	271.10	3,336.14	138.92	-2,241.12	2,243.27	1.26	0.54	1.14	
5,010.00	92.38	271.14	3,330.05	141.40	-2,367.95	2,370.13	0.58	-0.57	0.03	
5,135.00	91.82	271.35	3,325.47	144.12	-2,492.84	2,495.04	0.48	-0.45	0.17	
5,261.00	91.35	271.46	3,321.99	147.20	-2,618.75	2,620.99	0.38	-0.37	0.09	
5,387.00	93.28	272.11	3,316.90	151.12	-2,744.58	2,746.87	1.62	1.53	0.52	
5,512.00	92.75	272.49	3,310.32	156.13	-2,869.30	2,871.67	0.52	-0.42	0.30	
5,637.00	92.41	272.73	3,304.70	161.82	-2,994.05	2,996.49	0.33	-0.27	0.19	
5,763.00	91.99	272.60	3,299.86	167.67	-3,119.82	3,122.35	0.35	-0.33	-0.10	
5,888.00	93.50	272.15	3,293.87	172.85	-3,244.56	3,247.17	1.26	1.21	-0.36	
6,013.00	92.72	271.25	3,287.09	176.55	-3,369.32	3,371.97	0.95	-0.62	-0.72	
6,132.00	92.19	271.15	3,282.00	179.04	-3,488.19	3,490.86	0.45	-0.45	-0.08	
6,250.00	91.46	270.95	3,278.24	181.20	-3,606.11	3,608.80	0.64	-0.62	-0.17	
6,369.00	90.98	270.48	3,275.70	182.69	-3,725.07	3,727.77	0.56	-0.40	-0.39	
6,486.00	93.31	270.85	3,271.33	184.04	-3,841.97	3,844.68	2.02	1.99	0.32	
6,605.00	92.80	270.33	3,264.98	185.27	-3,960.80	3,963.51	0.61	-0.43	-0.44	
6,724.00	92.33	270.21	3,259.66	185.83	-4,079.67	4,082.38	0.41	-0.39	-0.10	
6,843.00	93.08	272.14	3,254.04	188.26	-4,198.51	4,201.24	1.74	0.63	1.62	
6,962.00	92.83	271.69	3,247.91	192.24	-4,317.29	4,320.06	0.43	-0.21	-0.38	
7,081.00	92.38	271.26	3,242.50	195.30	-4,436.12	4,438.94	0.52	-0.38	-0.36	
7,203.00	92.19	271.28	3,237.63	198.00	-4,558.00	4,560.84	0.16	-0.16	0.02	
7,328.00	92.89	271.08	3,232.09	200.57	-4,682.85	4,685.71	0.58	0.56	-0.16	
7,454.00	92.24	271.02	3,226.46	202.88	-4,808.70	4,811.59	0.52	-0.52	-0.05	
7,579.00	92.94	271.54	3,220.81	205.66	-4,933.54	4,936.46	0.70	0.56	0.42	
7,705.00	92.13	271.66	3,215.23	209.18	-5,059.36	5,062.33	0.65	-0.64	0.10	
7,831.00	94.26	270.74	3,208.21	211.81	-5,185.13	5,188.12	1.84	1.69	-0.73	
7,958.00	94.26	270.97	3,198.78	213.70	-5,311.77	5,314.77	0.18	0.00	0.18	
8,083.00	93.81	270.49	3,189.98	215.29	-5,436.45	5,439.46	0.53	-0.36	-0.38	
8,209.00	94.74	270.44	3,180.59	216.31	-5,562.09	5,565.10	0.74	0.74	-0.04	
8,333.00	93.42	270.40	3,171.77	217.22	-5,685.77	5,688.78	1.07	-1.06	-0.03	
8,456.00	92.07	270.80	3,165.88	218.51	-5,808.62	5,811.63	1.14	-1.10	0.33	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 51H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3445+20 @ 3465.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 51H	North Reference:	Grid
Wellbore:	51H OH	Survey Calculation Method:	Minimum Curvature
Design:	51H OH AsDrilled	Database:	PRIME_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,582.00	91.09	270.51	3,162.40	219.95	-5,934.56	5,937.58	0.81	-0.78	-0.23	
8,708.00	93.59	271.16	3,157.26	221.78	-6,060.43	6,063.46	2.05	1.98	0.52	
8,834.00	90.39	270.69	3,152.88	223.81	-6,186.32	6,189.37	2.57	-2.54	-0.37	
8,959.00	89.89	270.52	3,152.58	225.13	-6,311.31	6,314.36	0.42	-0.40	-0.14	
9,085.00	91.60	270.06	3,150.94	225.77	-6,437.30	6,440.34	1.41	1.36	-0.37	
9,121.00	91.60	270.06	3,149.93	225.81	-6,473.28	6,476.32	0.00	0.00	0.00	
LTP 588FNL_100FWL										
9,171.00	91.60	270.06	3,148.54	225.86	-6,523.26	6,526.29	0.00	0.00	0.00	
588FNL_50FWL										
9,180.00	91.60	270.06	3,148.29	225.87	-6,532.26	6,535.28	0.00	0.00	0.00	
TD 588FNL_42FWL										

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 51H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3445+20 @ 3465.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 51H	North Reference:	Grid
Wellbore:	51H OH	Survey Calculation Method:	Minimum Curvature
Design:	51H OH AsDrilled	Database:	PRIME_EDM

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)		
PTCK 10 Fed 51H SHL I - actual wellpath hits target center - Point	0.00	360.00	0.00	0.00	0.00	611,451.500	502,309.200	32.6808604	-104.4601822
OTTAWA AOW 528897 - actual wellpath misses target center by 3166.99usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Circle (radius 100.00)	0.00	0.00	-29.00	37.81	-3,166.63	611,489.308	499,142.571	32.6809535	-104.4704744
patrick api 528592 - actual wellpath misses target center by 3223.56usft at 8560.05usft MD (3162.85 TVD, 219.74 N, -5912.62 E) - Circle (radius 100.00)	0.00	360.00	-56.00	68.89	-5,825.55	611,520.390	496,483.650	32.6810292	-104.4791165
PTCK 10 Fed 51H ESTK - actual wellpath hits target center - Point	0.00	0.00	2,512.63	91.38	-315.78	611,542.884	501,993.425	32.6811106	-104.4612089
PTCK 10 Fed 51H TD 5I - actual wellpath hits target center - Point	0.00	360.00	3,148.29	225.87	-6,532.26	611,677.369	495,776.940	32.6814580	-104.4814141
PTCK 10 Fed 51H 588F - actual wellpath hits target center - Point	0.00	0.00	3,148.54	225.86	-6,523.26	611,677.360	495,785.936	32.6814580	-104.4813849
PTCK 10 Fed 51H LTP 5 - actual wellpath hits target center - Point	0.00	0.00	3,149.93	225.81	-6,473.28	611,677.307	495,835.917	32.6814581	-104.4812224
PTCK 10 Fed 51H PBHL - actual wellpath misses target center by 1.65usft at 9170.99usft MD (3148.54 TVD, 225.86 N, -6523.26 E) - Point	0.00	360.00	3,150.00	225.10	-6,523.30	611,676.600	495,785.900	32.6814560	-104.4813850
PTCK 10 Fed 51H SECJ - actual wellpath hits target center - Point	0.00	360.00	3,358.27	131.84	-1,172.24	611,583.340	501,136.964	32.6812189	-104.4639927
PTCK 10 Fed 51H 80° 5 - actual wellpath hits target center - Point	0.00	360.00	3,361.28	132.22	-1,188.40	611,583.722	501,120.796	32.6812199	-104.4640452
PTCK 10 Fed 51H FTP I - actual wellpath hits target center - Point	0.00	0.00	3,371.91	133.34	-1,272.24	611,584.837	501,036.958	32.6812227	-104.4643177

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,539.00	2,512.63	91.38	-315.77	ESTKOP 628FNL_854FWL
3,812.20	3,358.27	131.84	-1,172.24	SECX 586FNL_0FEL/FWL
3,828.65	3,361.28	132.22	-1,188.40	80° 586FNL_16FEL
3,913.20	3,371.91	133.34	-1,272.24	FTP 586FNL_100FEL
9,121.00	3,149.93	225.81	-6,473.28	LTP 588FNL_100FWL
9,171.00	3,148.54	225.86	-6,523.26	588FNL_50FWL
9,180.00	3,148.29	225.87	-6,532.26	TD 588FNL_42FWL

Checked By: _____

Approved By: _____

Date: _____

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name PATRICK 10 FEDERAL			6 Well Number 51H
7 OGRID NO.		8 Operator Name SPUR ENERGY PARTNERS LLC.			9 Elevation 3445'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
D	11	19S	25E		681	NORTH	1174	WEST	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
D	10	19S	25E		605	NORTH	50	WEST	EDDY
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.						

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

16 <u>GEODETIC DATA</u> NAD 83 GRID - NM EAST <u>SURFACE LOCATION (SL)</u> N: 611451.5 - E: 502309.2 LAT: 32.6808604° N LONG: 104.4601822° W <u>FIRST TAKE POINT (FTP)</u> 605' FNL & 100' FEL - SEC 10 N: 611565.5 - E: 501037.0 LAT: 32.6811694° N LONG: 104.4643176° W <u>LAST TAKE POINT (LTP)</u> 605' FNL & 100' FWL - SEC 10 N: 611659.7 - E: 495835.9 LAT: 32.6814096° N LONG: 104.4812225° W <u>BOTTOM HOLE (BH)</u> N: 611660.6 - E: 495785.9 LAT: 32.6814119° N LONG: 104.4813849° W <u>CORNER DATA</u> NAD 83 GRID - NM EAST A: FOUND 3/8" REBAR N: 606875.7 - E: 495832.6 B: FOUND 1/2" REBAR N: 609617.4 - E: 495734.0 C: FOUND MOUND OF STONES N: 612266.3 - E: 495736.5 D: FOUND MOUND OF STONES N: 612218.7 - E: 498438.8 E: FOUND 1-1/2" PIPE N: 612168.4 - E: 501140.0 F: FOUND 1" BOLT N: 612088.5 - E: 503739.5 G: FOUND 1/2" REBAR N: 612008.3 - E: 506339.4 H: FOUND BOLT N: 606691.2 - E: 506353.0 I: FOUND 1/2" REBAR N: 606784.8 - E: 501112.4	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____ 18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 03/01/2022 Date of Survey Signature and Seal of Professional Surveyor _____ 9680 Certificate Number PROF. ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR
--	--

LS22030184

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 377739

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 377739
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

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.
☒	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.

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 377739

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 377739
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 11/21/2024.	9/5/2024