

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
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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 11H	Property Code: 333341
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal	API Number: 30-0 15-53463
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		653' FNL	1203' FWL	32.6809356	-104.460087	EDDY

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
P	08/21/2024	3241'-8384'	2634'-2470'

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: 341899	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: 369214	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): 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 SARAH CHAPMAN <i>Sarah Chapman</i>	
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 30-015-53463	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 333341	Property Name PATRICK 10 FEDERAL COM	Well Number 11H
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 653 FNL	Ft. from E/W 1203 FWL	Latitude 32.6809356°N	Longitude 104.4600873°W	County EDDY
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Bottom Hole Location

UL D	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 334 FNL	Ft. from E/W 57 FWL	Latitude 32.6821551°N	Longitude 104.4813640°W	County EDDY
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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 401 FNL	Ft. from E/W 692 FWL	Latitude 32.6816684°N	Longitude 104.4617428°W	County EDDY
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First Take Point (FTP)

UL A	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 322 FNL	Ft. from E/W 143 FEL	Latitude 32.6819495°N	Longitude 104.4644546°W	County EDDY
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Last Take Point (LTP)

UL D	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 333 FNL	Ft. from E/W 121 FWL	Latitude 32.6821555°N	Longitude 104.4811560°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3445' GR
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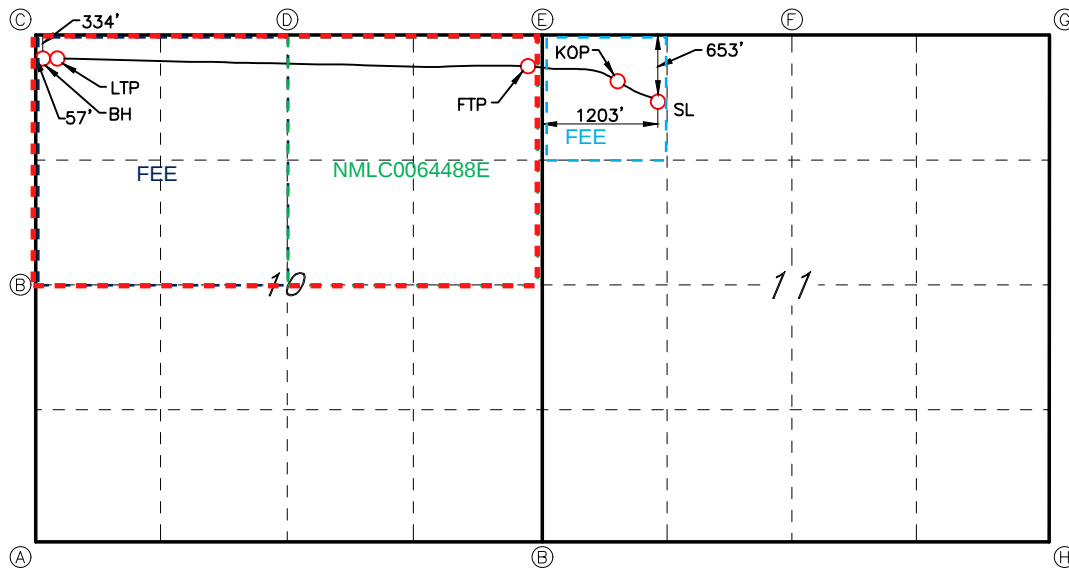
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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> Sarah Chapman 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 Robert M. Howell Certificate Number 19680 Date of Survey 08/11/2024	
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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: 611478.8 - E: 502338.4
LAT: 32.6809356° N
LONG: 1104.4600873° W

KICK OFF POINT (KOP)
N: 611746.0 - E: 501829.4
LAT: 32.6816684° N
LONG: 104.4617428° W
MD=2164.0'
TVD=2055.8'

FIRST TAKE POINT (FTP)
N: 611849.3 - E: 500995.2
LAT: 32.6819495° N
LONG: 104.4644546° W
MD=3241.0'
TVD=2635.2'

LAST TAKE POINT (LTP)
N: 611931.0 - E: 495856.7
LAT: 32.6821555° N
LONG: 104.4811560° W
MD=8384.0'
TVD=2469.8'

BOTTOM HOLE (BH)
N: 611931.0 - E: 495792.7
LAT: 32.6821551° N
LONG: 104.4813640° W
MD=8440.0'
TVD=2468.7'

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 25rd , 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 11H
POOLS:[97565] N. SEVEN RIVERS;GLORIETA-YESO
EDDY COUNTY, NM
API Number: 30-015-53463

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– 8385' MD projection to 8448'MD
Date Performed: 4/24/2024 – 07/25/2024
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

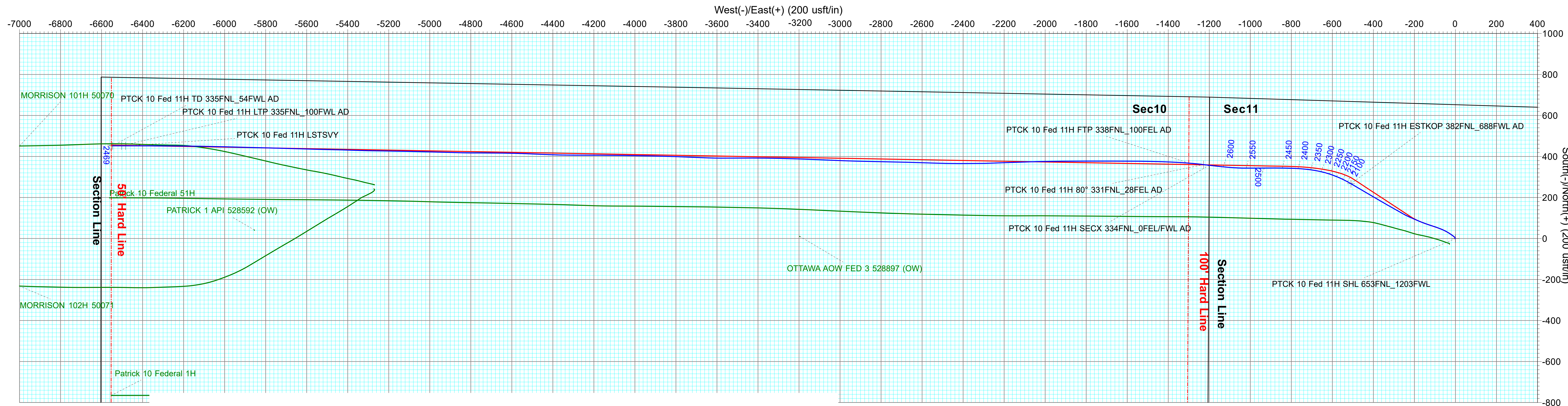
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3445+20 @ 3465.00usft (akita)
North American Datum 1983

Well: Patrick 10 Federal 11H

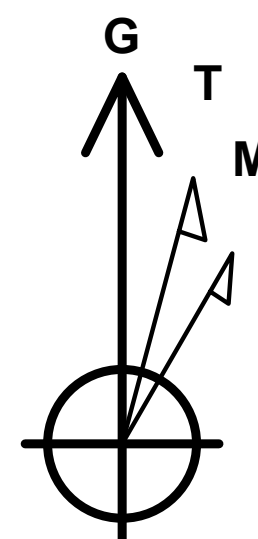
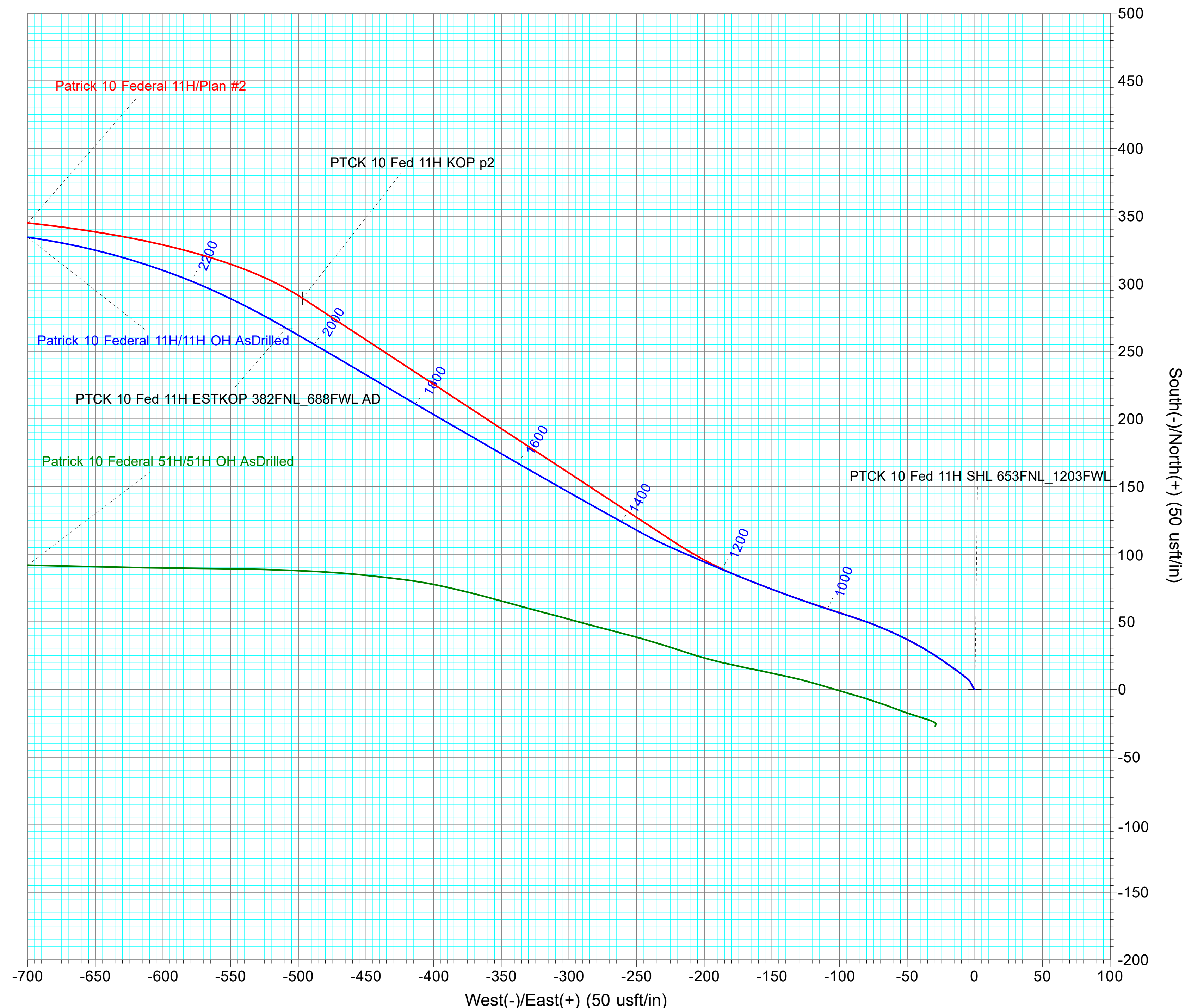
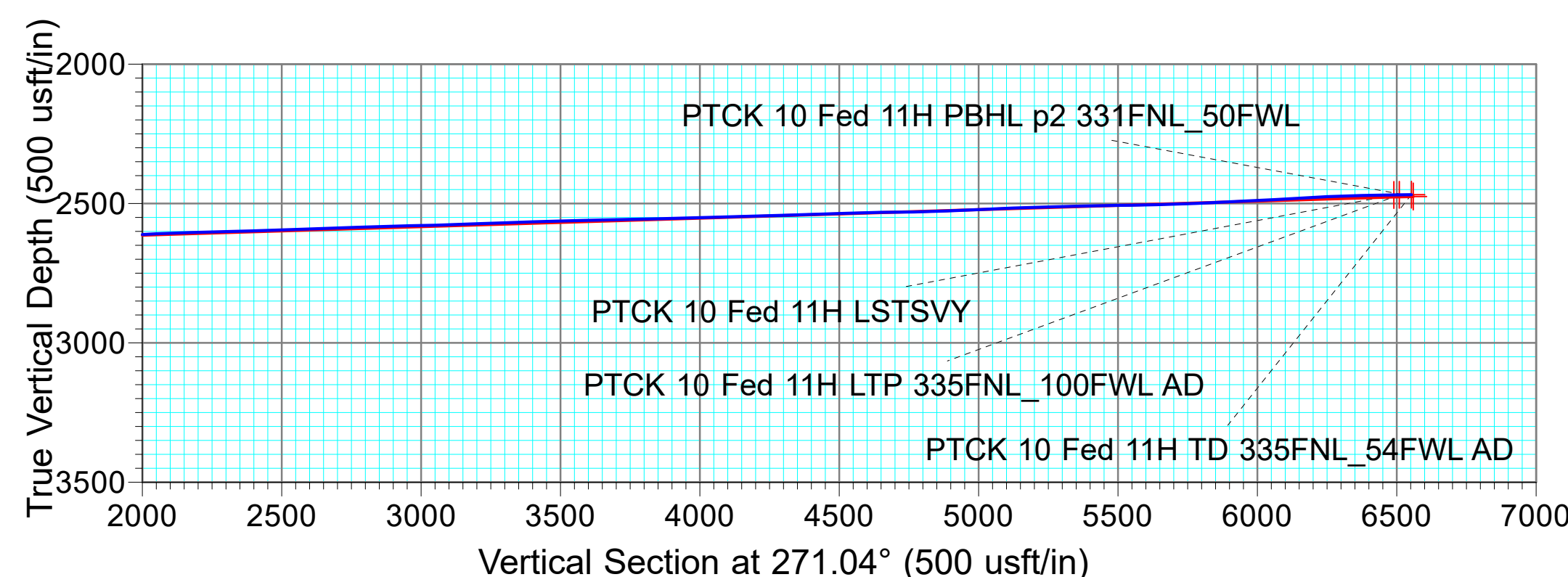
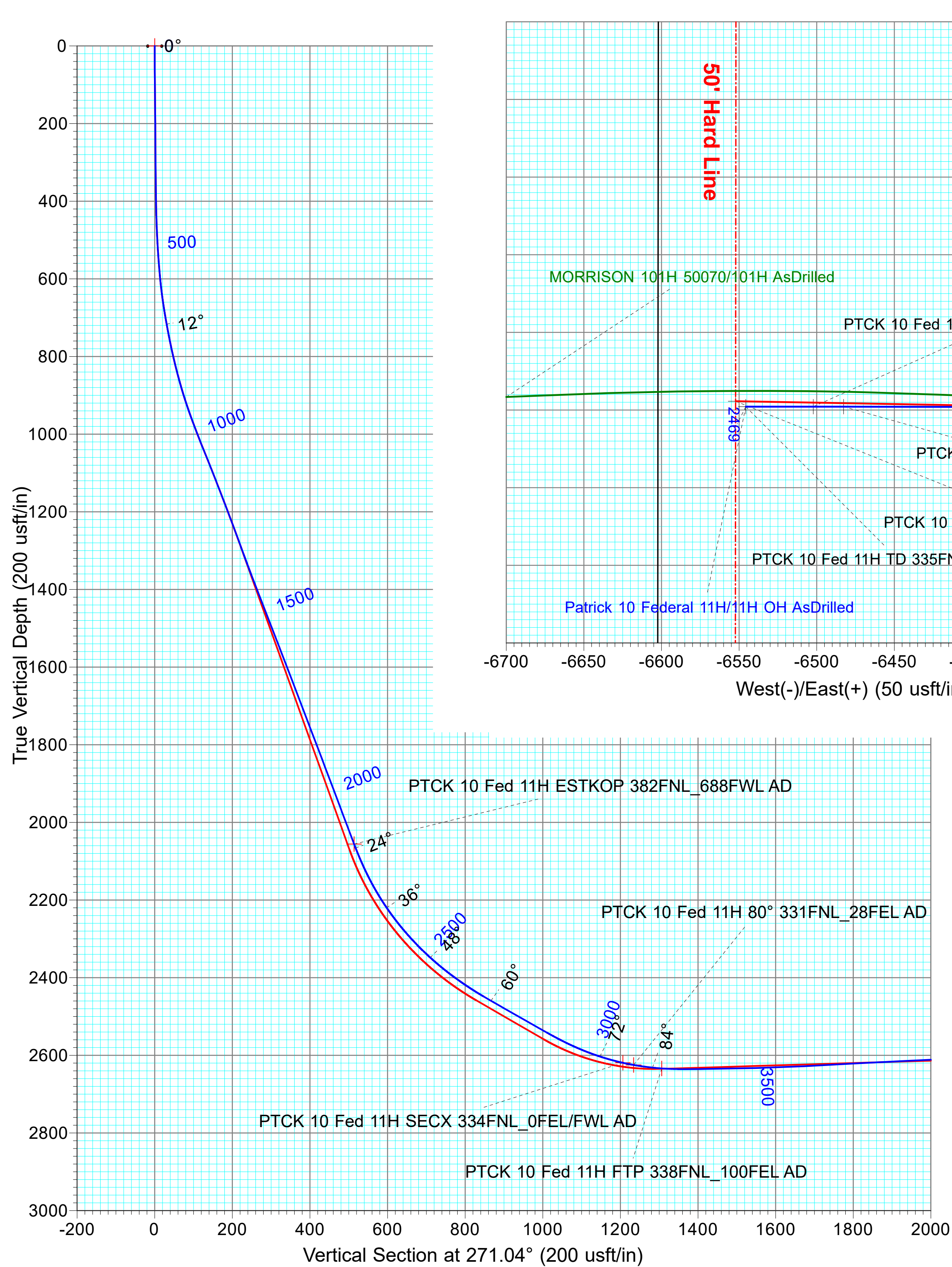
Design: 11H OH AsDrilled

Name	TVD	+N/-S	+E/-W	Northing	Easting
PTCK 10 Fed 11H SHL 653FNL_1203FWL	0.00	0.00	0.00	611478.800	502338.400
PTCK 10 Fed 11H ESTKOP 382FNL_688FWL AD	2055.80	267.22	-509.01	611746.016	501829.392
PTCK 10 Fed 11H TD 335FNL_54FWL AD	2468.73	452.16	-6545.67	611930.965	495792.733
PTCK 10 Fed 11H LTP 335FNL_100FWL AD	2469.47	452.19	-6502.17	611930.988	495836.226
PTCK 10 Fed 11H LSTSVY	2469.81	452.20	-6482.68	611931.000	495855.720
PTCK 10 Fed 11H PBHL p2 331FNL_50FWL	2475.00	455.70	-6552.20	611934.500	495786.200
PTCK 10 Fed 11H SECX 334FNL_0FEL/FWL AD	2619.35	357.28	-1200.06	611836.080	501138.341
PTCK 10 Fed 11H 80° 331FNL_28FEL AD	2624.90	360.59	-1227.72	611839.394	501110.678
PTCK 10 Fed 11H FTP 338FNL_100FEL AD	2633.86	367.81	-1300.06	611846.613	501038.336



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
2164.00	23.34	300.07	2055.80	267.22	-509.01	ESTKOP 382FNL 688FWL
3096.00	77.47	276.80	2619.35	357.28	-1200.06	SECX 334FNL 0FEL/FWL
3124.41	80.00	276.86	2624.90	360.59	-1227.72	80° 331FNL 28FEL
3197.70	85.93	274.47	2633.86	367.81	-1300.06	FTP 338FNL 100FEL
8404.50	90.98	269.97	2469.47	452.19	-6502.17	LTP 335FNL 100FWL
8448.00	90.98	269.97	2468.73	452.17	-6545.67	TD 335FNL 54FWL



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

Magnetic Field
Strength: 47467.0nT
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 11H
11H OH
11H OH AsDrilled
Created By: Mekka Williams
eSomina Well Design
mekka@esominawelldesign.com

SPUR ENERGY PARTNERS LLC.

Eddy County, NM (NAD83) NMEZ Grid

Patrick 10 Federal

Patrick 10 Federal 11H

11H OH

Design: 11H OH AsDrilled

Standard Survey Report

25 July, 2024

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 11H
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 11H	North Reference:	Grid
Wellbore:	11H OH	Survey Calculation Method:	Minimum Curvature
Design:	11H 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 11H					
Well Position	+N/-S	0.00 usft	Northing:	611,478.800 usft	Latitude:	32.6809356
	+E/-W	0.00 usft	Easting:	502,338.400 usft	Longitude:	-104.4600874
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,445.00 usft

Wellbore	11H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	03/31/24	6.72	60.24	47,467.00000000

Design	11H 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	07/25/24			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
130.00	1,194.00	Survey #1 Transced (11H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
1,300.00	8,385.00	Survey #2 Akita (11H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
8,448.00	8,448.00	Survey #3 (11H 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	0.92	316.13	129.99	0.75	-0.72	0.74	0.71	0.71	0.00	
219.00	0.80	333.55	218.98	1.82	-1.50	1.53	0.32	-0.13	19.57	
305.00	1.27	334.32	304.97	3.22	-2.18	2.23	0.55	0.55	0.90	
400.00	1.75	332.59	399.94	5.46	-3.30	3.40	0.51	0.51	-1.82	
494.00	3.60	309.21	493.83	8.60	-6.25	6.40	2.25	1.97	-24.87	
588.00	6.21	306.08	587.48	13.46	-12.64	12.89	2.79	2.78	-3.33	
683.00	11.08	305.03	681.37	21.73	-24.28	24.67	5.13	5.13	-1.11	
777.00	13.48	299.36	773.22	32.29	-41.23	41.81	2.85	2.55	-6.03	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 11H
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 11H	North Reference:	Grid
Wellbore:	11H OH	Survey Calculation Method:	Minimum Curvature
Design:	11H 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	16.80	294.14	863.95	43.22	-63.18	63.95	3.81	3.53	-5.55
966.00	20.78	287.91	953.88	54.02	-91.76	92.72	4.69	4.19	-6.56
1,060.00	23.17	288.91	1,041.04	65.14	-125.12	126.29	2.57	2.54	1.06
1,154.00	22.53	291.23	1,127.67	77.66	-159.41	160.79	1.18	-0.68	2.47
1,194.00	22.40	292.29	1,164.63	83.32	-173.60	175.08	1.06	-0.33	2.65
1,348.00	21.55	294.08	1,307.44	105.99	-226.57	228.46	0.70	-0.55	1.16
1,410.00	23.50	298.78	1,364.71	116.59	-247.81	249.88	4.28	3.15	7.58
1,535.00	23.85	299.46	1,479.19	141.02	-291.66	294.17	0.36	0.28	0.54
1,659.00	23.66	299.87	1,592.69	165.74	-335.06	338.01	0.20	-0.15	0.33
1,784.00	23.53	300.15	1,707.24	190.76	-378.39	381.79	0.14	-0.10	0.22
1,911.00	23.56	300.34	1,823.66	216.32	-422.21	426.07	0.06	0.02	0.15
2,037.00	23.42	300.57	1,939.22	241.77	-465.51	469.82	0.13	-0.11	0.18
2,164.00	23.34	300.07	2,055.80	267.22	-509.01	513.77	0.17	-0.06	-0.39
ESTKOP 382FNL_688FWL									
2,226.00	26.96	297.78	2,111.91	279.93	-532.08	537.07	6.05	5.84	-3.69
2,289.00	31.38	294.91	2,166.91	293.50	-559.61	564.84	7.36	7.02	-4.56
2,352.00	35.96	290.54	2,219.33	306.91	-591.83	597.30	8.22	7.27	-6.94
2,414.00	40.26	286.49	2,268.11	318.99	-628.11	633.79	8.02	6.94	-6.53
2,476.00	44.52	281.36	2,313.91	328.96	-668.66	674.52	8.85	6.87	-8.27
2,539.00	48.91	277.17	2,357.10	336.28	-713.90	719.88	8.48	6.97	-6.65
2,602.00	53.58	273.81	2,396.54	340.93	-762.78	768.84	8.50	7.41	-5.33
2,664.00	57.38	271.38	2,431.67	343.22	-813.80	819.89	6.93	6.13	-3.92
2,696.00	59.72	270.56	2,448.36	343.68	-841.09	847.19	7.63	7.31	-2.56
2,727.00	60.11	270.34	2,463.90	343.89	-867.91	874.01	1.40	1.26	-0.71
2,758.00	60.24	270.02	2,479.32	343.97	-894.81	900.90	0.99	0.42	-1.03
2,790.00	60.40	269.86	2,495.17	343.94	-922.61	928.70	0.66	0.50	-0.50
2,821.00	60.40	269.91	2,510.48	343.89	-949.56	955.65	0.14	0.00	0.16
2,852.00	60.41	269.46	2,525.79	343.74	-976.52	982.60	1.26	0.03	-1.45
2,883.00	60.70	269.58	2,541.03	343.52	-1,003.51	1,009.58	0.99	0.94	0.39
2,915.00	62.13	270.75	2,556.34	343.60	-1,031.61	1,037.68	5.50	4.47	3.66
2,978.00	67.00	274.01	2,583.39	345.99	-1,088.43	1,094.53	9.03	7.73	5.17
3,064.00	74.63	276.72	2,611.64	353.63	-1,169.22	1,175.45	9.36	8.87	3.15
3,096.00	77.47	276.80	2,619.35	357.28	-1,200.06	1,206.35	8.89	8.89	0.24
SECX 334FNL_0FEL/FWL									
3,124.41	80.00	276.86	2,624.90	360.59	-1,227.72	1,234.06	8.89	8.89	0.24
80° 331FNL_28FEL									
3,127.00	80.23	276.87	2,625.34	360.90	-1,230.26	1,236.60	8.89	8.89	0.23
3,189.00	85.23	274.75	2,633.19	367.12	-1,291.42	1,297.87	8.75	8.06	-3.42
3,197.70	85.93	274.47	2,633.86	367.81	-1,300.06	1,306.53	8.68	8.06	-3.22
FTP 338FNL_100FEL									
3,252.00	90.31	272.73	2,635.64	371.22	-1,354.21	1,360.73	8.68	8.06	-3.20
3,314.00	90.84	272.35	2,635.02	373.97	-1,416.15	1,422.70	1.05	0.85	-0.61
3,438.00	91.12	270.32	2,632.90	376.85	-1,540.09	1,546.68	1.65	0.23	-1.64
3,564.00	93.06	270.39	2,628.30	377.63	-1,666.00	1,672.58	1.54	1.54	0.06

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 11H
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 11H	North Reference:	Grid
Wellbore:	11H OH	Survey Calculation Method:	Minimum Curvature
Design:	11H 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)	
3,689.00	93.17	269.72	2,621.51	377.75	-1,790.81	1,797.37	0.54	0.09	-0.54	
3,814.00	92.66	269.45	2,615.15	376.85	-1,915.65	1,922.17	0.46	-0.41	-0.22	
3,940.00	92.55	268.88	2,609.43	375.02	-2,041.50	2,047.97	0.46	-0.09	-0.45	
4,066.00	91.51	267.30	2,604.96	370.82	-2,167.35	2,173.72	1.50	-0.83	-1.25	
4,192.00	91.82	268.87	2,601.30	366.61	-2,293.22	2,299.50	1.27	0.25	1.25	
4,318.00	91.49	270.22	2,597.66	365.61	-2,419.16	2,425.40	1.10	-0.26	1.07	
4,443.00	92.10	271.97	2,593.75	368.00	-2,544.07	2,550.33	1.48	0.49	1.40	
4,570.00	92.19	271.52	2,588.99	371.86	-2,670.92	2,677.23	0.36	0.07	-0.35	
4,695.00	91.71	271.07	2,584.74	374.69	-2,795.82	2,802.16	0.53	-0.38	-0.36	
4,819.00	91.18	271.57	2,581.61	377.54	-2,919.74	2,926.12	0.59	-0.43	0.40	
4,946.00	92.05	272.59	2,578.03	382.15	-3,046.61	3,053.04	1.06	0.69	0.80	
5,073.00	91.82	272.02	2,573.74	387.25	-3,173.43	3,179.94	0.48	-0.18	-0.45	
5,197.00	92.05	271.35	2,569.56	390.90	-3,297.31	3,303.86	0.57	0.19	-0.54	
5,324.00	91.63	270.25	2,565.48	392.67	-3,424.23	3,430.79	0.93	-0.33	-0.87	
5,449.00	91.93	269.41	2,561.60	392.30	-3,549.16	3,555.70	0.71	0.24	-0.67	
5,575.00	90.59	272.58	2,558.82	394.49	-3,675.10	3,681.65	2.73	-1.06	2.52	
5,700.00	91.74	271.94	2,556.28	399.41	-3,799.97	3,806.59	1.05	0.92	-0.51	
5,826.00	91.29	271.29	2,552.95	402.96	-3,925.88	3,932.54	0.63	-0.36	-0.52	
5,950.00	91.46	270.63	2,549.98	405.04	-4,049.82	4,056.51	0.55	0.14	-0.53	
6,069.00	91.93	270.60	2,546.46	406.32	-4,168.76	4,175.45	0.40	0.39	-0.03	
6,187.00	91.77	269.78	2,542.65	406.71	-4,286.70	4,293.38	0.71	-0.14	-0.69	
6,306.00	91.74	272.22	2,539.00	408.79	-4,405.62	4,412.31	2.05	-0.03	2.05	
6,424.00	91.77	272.40	2,535.39	413.54	-4,523.47	4,530.23	0.15	0.03	0.15	
6,543.00	91.06	270.71	2,532.45	416.77	-4,642.38	4,649.18	1.54	-0.60	-1.42	
6,661.00	90.53	269.91	2,530.81	417.41	-4,760.37	4,767.16	0.81	-0.45	-0.68	
6,780.00	92.66	271.88	2,527.50	419.26	-4,879.29	4,886.10	2.44	1.79	1.66	
6,900.00	92.58	271.23	2,522.01	422.51	-4,999.12	5,005.97	0.55	-0.07	-0.54	
7,018.00	92.61	271.50	2,516.67	425.32	-5,116.97	5,123.84	0.23	0.03	0.23	
7,140.00	91.29	270.50	2,512.52	427.45	-5,238.87	5,245.77	1.36	-1.08	-0.82	
7,266.00	91.32	272.14	2,509.65	430.35	-5,364.80	5,371.73	1.30	0.02	1.30	
7,391.00	90.73	270.95	2,507.41	433.72	-5,489.74	5,496.70	1.06	-0.47	-0.95	
7,517.00	91.77	272.12	2,504.67	437.10	-5,615.66	5,622.66	1.24	0.83	0.93	
7,642.00	91.26	271.25	2,501.36	440.77	-5,740.56	5,747.61	0.81	-0.41	-0.70	
7,768.00	93.14	271.55	2,496.52	443.85	-5,866.42	5,873.51	1.51	1.49	0.24	
7,894.00	93.34	271.66	2,489.40	447.37	-5,992.17	5,999.30	0.18	0.16	0.09	
8,020.00	92.94	270.82	2,482.50	450.09	-6,117.95	6,125.11	0.74	-0.32	-0.67	
8,146.00	93.00	270.26	2,475.97	451.28	-6,243.77	6,250.94	0.45	0.05	-0.44	
8,271.00	90.92	270.32	2,471.70	451.91	-6,368.69	6,375.85	1.66	-1.66	0.05	
8,385.00	90.98	269.97	2,469.81	452.20	-6,482.68	6,489.82	0.31	0.05	-0.31	
8,404.50	90.98	269.97	2,469.47	452.19	-6,502.17	6,509.31	0.00	0.00	0.00	
LTP 335FNL_100FWL										
8,448.00	90.98	269.97	2,468.73	452.17	-6,545.67	6,552.80	0.00	0.00	0.00	
TD 335FNL_54FWL										

Survey Report

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Site:	Patrick 10 Federal	MD Reference:	3445+20 @ 3465.00usft (akita)
Well:	Patrick 10 Federal 11H	North Reference:	Grid
Wellbore:	11H OH	Survey Calculation Method:	Minimum Curvature
Design:	11H 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 11H SHL 6 - actual wellpath hits target center - Point	0.00	360.00	0.00	0.00	0.00	611,478.800	502,338.400	32.6809356	-104.4600874
PTCK 10 Fed 11H ESTK - actual wellpath hits target center - Point	0.00	360.00	2,055.80	267.22	-509.01	611,746.016	501,829.392	32.6816684	-104.4617428
PTCK 10 Fed 11H TD 33 - actual wellpath hits target center - Point	0.00	360.00	2,468.73	452.17	-6,545.67	611,930.965	495,792.733	32.6821552	-104.4813640
PTCK 10 Fed 11H LTP 3 - actual wellpath hits target center - Point	0.00	0.00	2,469.47	452.19	-6,502.17	611,930.988	495,836.226	32.6821554	-104.4812226
PTCK 10 Fed 11H PBHL - actual wellpath misses target center by 9.72usft at 8448.00usft MD (2468.73 TVD, 452.17 N, -6545.67 E) - Point	0.00	0.00	2,475.00	455.70	-6,552.20	611,934.500	495,786.200	32.6821648	-104.4813852
PTCK 10 Fed 11H SECX - actual wellpath hits target center - Point	0.00	0.00	2,619.35	357.28	-1,200.06	611,836.080	501,138.341	32.6819136	-104.4639892
PTCK 10 Fed 11H 80° 3 - actual wellpath hits target center - Point	0.00	360.00	2,624.90	360.59	-1,227.72	611,839.394	501,110.678	32.6819227	-104.4640791
PTCK 10 Fed 11H FTP 1 - actual wellpath hits target center - Point	0.00	360.00	2,633.86	367.81	-1,300.06	611,846.613	501,038.336	32.6819422	-104.4643143

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,164.00	2,055.80	267.22	-509.01	ESTKOP 382FNL_688FWL	
3,096.00	2,619.35	357.28	-1,200.06	SECX 334FNL_0FEL/FWL	
3,124.41	2,624.90	360.59	-1,227.72	80° 331FNL_28FEL	
3,197.70	2,633.86	367.81	-1,300.06	FTP 338FNL_100FEL	
8,404.50	2,469.47	452.19	-6,502.17	LTP 335FNL_100FWL	
8,448.00	2,468.73	452.17	-6,545.67	TD 335FNL_54FWL	

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 11H
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		653	NORTH	1203	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		331	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: 611478.8 - E: 502338.4 LAT: 32.6809356° N LONG: 104.4600873° W <u>FIRST TAKE POINT (FTP)</u> 331' FNL & 100' FEL - SEC 10 N: 611839.4 - E: 501038.4 LAT: 32.6819224° N LONG: 104.4643141° W <u>LAST TAKE POINT (LTP)</u> 331' FNL & 100' FWL - SEC 10 N: 611933.6 - E: 495836.1 LAT: 32.6821626° N LONG: 104.4812229° W <u>BOTTOM HOLE (BH)</u> N: 611934.5 - E: 495786.2 LAT: 32.6821648° N LONG: 104.4813853° 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 OH BHL: Prime Solution Services MWD Original hole: Final Station 8385MD Displacement = 6498.43' at a 273.99° azm API # 30-015-53463	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 REV: NAME CHANGE 03/22/22 LS22030183R
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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

ACKNOWLEDGMENTS

Action 377736

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 377736
	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.

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CONDITIONS

Action 377736

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 377736
	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