

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 50H	Property Code: 333341
Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal	API Number: 30-0 15-50024
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
E	11	19S	25E		1820' FNL	965' FWL	32.6777468	-104.460872	EDDY

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
P	08/21/2024	3983'-9108'	3425'-3303'

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: 342807	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: 364785	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 30-015-50024	Pool Code 97565	Pool Name N. SEVEN RIVERS; GLORIETA-YESO
Property Code 333341	Property Name PATRICK 10 FEDERAL COM	Well Number 50H
OGRID No. 328947	Operator Name SPUR ENERGY SERVICES LLC.	Ground Level Elevation 3477'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☒ Fee ☐ Tribal ☒ Federal

Surface Location

UL E	Section 11	Township 19S	Range 25E	Lot	Ft. from N/S 1820 FNL	Ft. from E/W 965 FWL	Latitude 32.6777468°N	Longitude 104.4608723°W	County EDDY
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Bottom Hole Location

UL E	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 1843 FNL	Ft. from E/W 52 FWL	Latitude 32.6780104°N	Longitude 104.4813755°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 E	Section 11	Township 19S	Range 25E	Lot	Ft. from N/S 1820 FNL	Ft. from E/W 851 FWL	Latitude 32.6777525°N	Longitude 104.4612417°W	County EDDY
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First Take Point (FTP)

UL H	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 1830 FNL	Ft. from E/W 155 FEL	Latitude 32.6778046°N	Longitude 104.4645130°W	County EDDY
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Last Take Point (LTP)

UL E	Section 10	Township 19S	Range 25E	Lot	Ft. from N/S 1842 FNL	Ft. from E/W 118 FWL	Latitude 32.6780098°N	Longitude 104.4811611°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3477' GF
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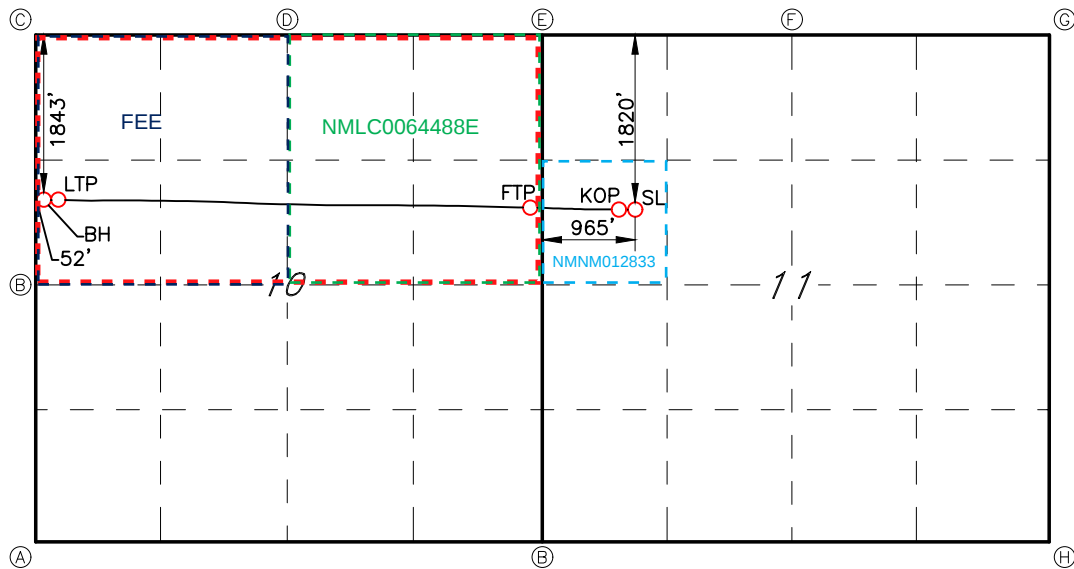
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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> <i>Sarah Chapman</i> 08/21/2024 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 08/05/2024	
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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	
<u>SURFACE LOCATION (SL)</u>	<u>LAST TAKE POINT (LTP)</u>
N: 610319.0 - E: 502095.5	N: 610422.8 - E: 495853.1
LAT: 32.6777468° N	LAT: 32.6780098° N
LONG: 104.4608723° W	LONG: 104.4811611° W
	MD=9108.0'
	TVD=3302.5'
<u>KICK OFF POINT (KOP)</u>	<u>BOTTOM HOLE (BH)</u>
N: 610321.2 - E: 501981.9	N: 610423.1 - E: 495787.1
LAT: 32.6777525° N	LAT: 32.6780104° N
LONG: 104.4612417° W	LONG: 104.4813755° W
MD=2484.0'	MD=9174.0'
TVD=2478.0'	TVD=3301.0'
<u>FIRST TAKE POINT (FTP)</u>	
N: 610341.4 - E: 500975.3	
LAT: 32.6778046° N	
LONG: 104.4645130° W	
MD=3983.0'	
TVD=3424.6'	

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 9th, 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 50H
POOLS:[97565] N. SEVEN RIVERS;GLORIETA-YESO
EDDY COUNTY, NM
API Number: 30-015-50024

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: 140' MD– 9093' MD projection to 9174' MD
Date Performed: 6/30/2024 – 07/6/2024
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 50H

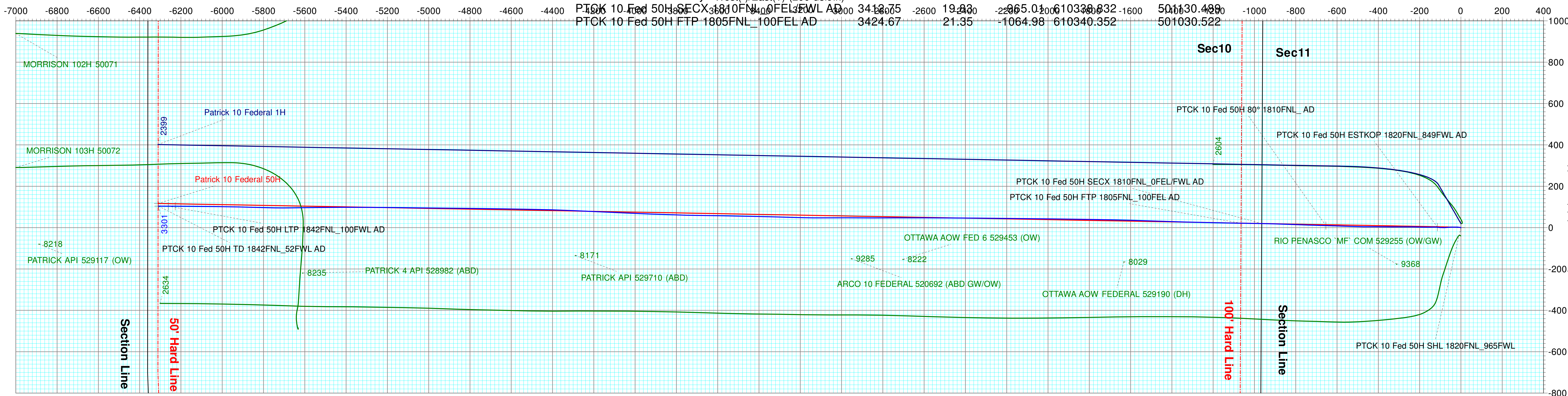
Wellbore: 50H OH

Design: 50H OH AsDrilled

3477+20 @ 3497.00usft (akita)
North American Datum 1983

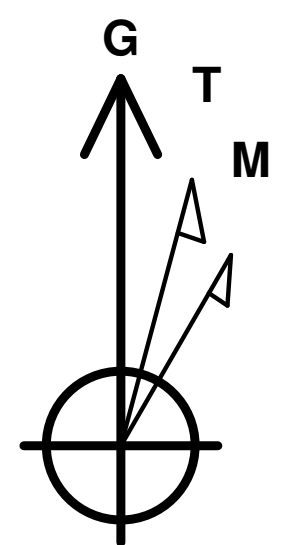
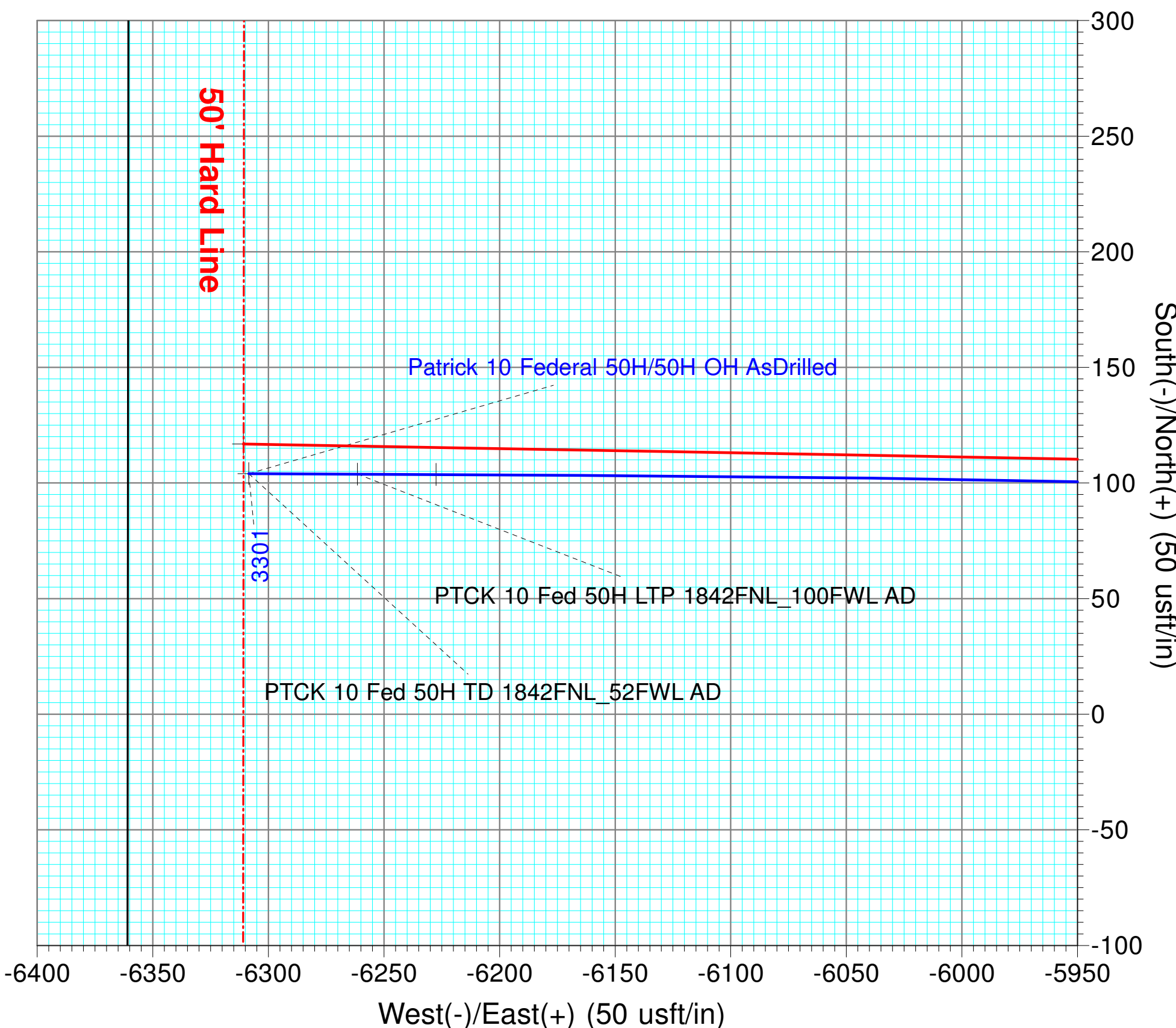
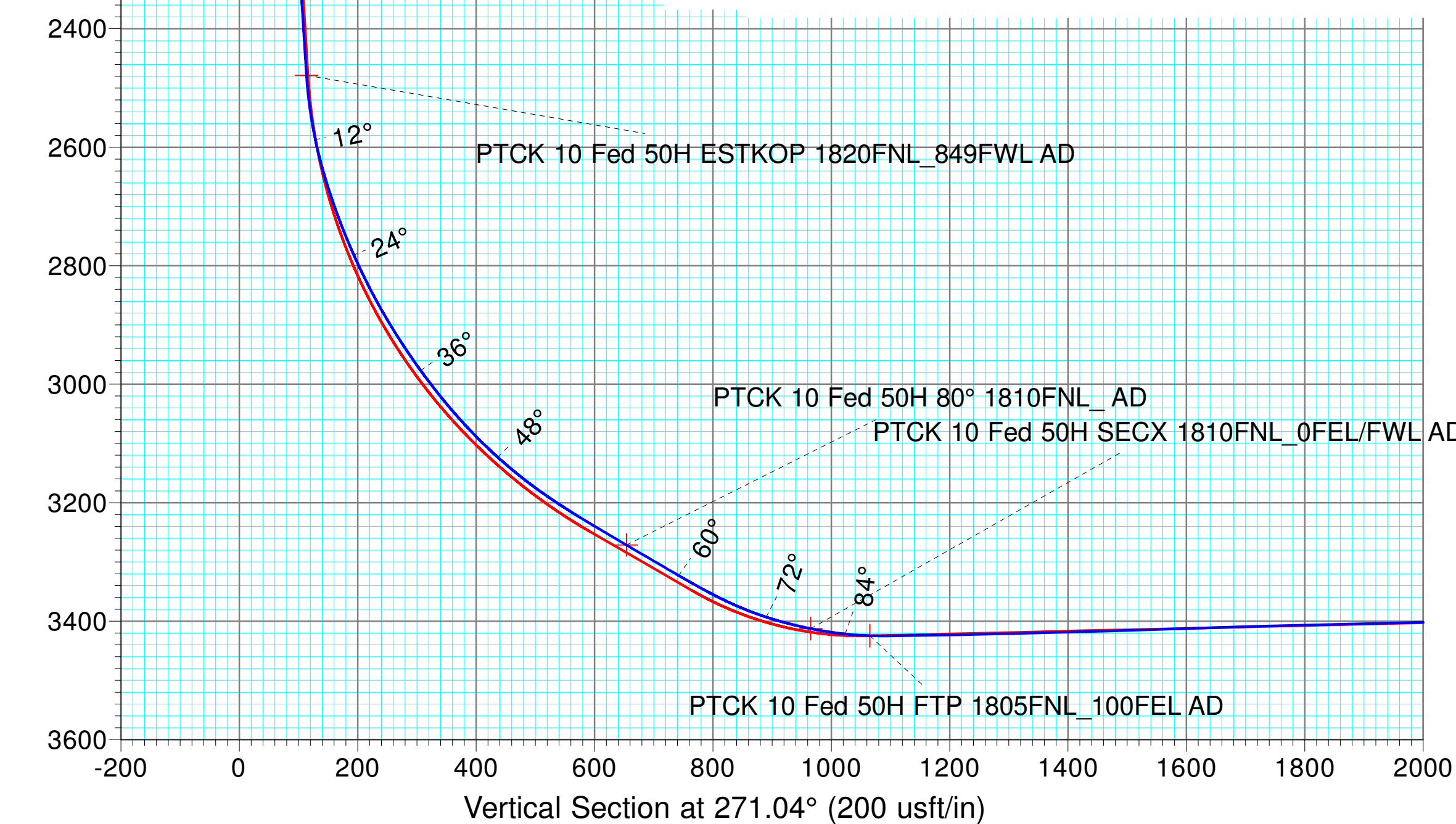
TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
PTCK 10 Fed 50H SHL 1820FNL_965FWL	0.00	0.00	0.00	610319.000	502095.500
PTCK 10 Fed 50H ESTKOP 1820FNL_849FWL AD	2478.59	2.17	-113.44	610321.174	501982.062
PTCK 10 Fed 50H 80° 1810FNL_ AD	3271.55	9.93	-653.97	610328.930	501441.526
PTCK 10 Fed 50H PBHL p3 1830FNL_50FWL	3300.00	116.90	-6310.80	610435.900	495784.700
PTCK 10 Fed 50H TD 1842FNL_52FWL AD	3300.99	104.07	-6308.41	610423.066	495787.086
PTCK 10 Fed 50H LTP 1842FNL_100FWL AD	3302.07	103.85	-6261.43	610422.853	495834.073
PTCK 10 Fed 50H ltsvly West(-)/East(+) (200 usft/in)	3302.86	103.70	-6227.44	610422.700	495868.060
PTCK 10 Fed 50H SECX 1810FNL_0FEL/FWL AD	3412.75	19.83	-965.01	610338.632	501130.489
PTCK 10 Fed 50H FTP 1805FNL_100FEL AD	3424.67	21.35	-1064.98	610340.352	501030.522



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
2482.00	3.93	279.12	2478.59	2.17	-113.44	ESTKOP 1820FNL_849FWL
3483.19	59.63	271.82	3271.55	9.93	-653.97	80° 1810FNL_ 311FWL
3827.00	78.54	271.05	3412.75	19.83	-965.01	SECX 1810FNL_0FEL/FWL
3927.80	87.97	270.94	3424.67	21.35	-1064.98	FTP 1805FNL_100FEL
9127.00	91.32	270.26	3302.07	103.85	-6261.43	LTP 1842FNL_100FWL
9174.00	91.32	270.26	3300.99	104.07	-6308.41	TD 1842FNL_52FWL

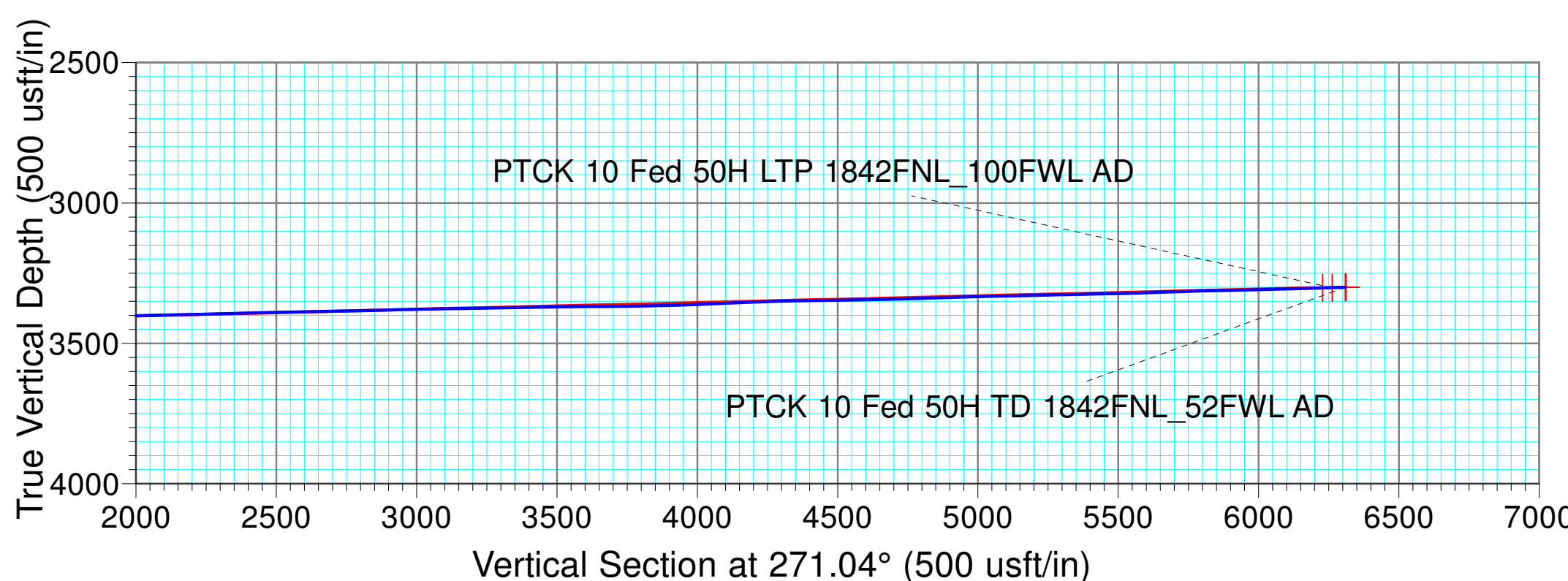


Azimuths to Grid North
True North: 0.07°
Magnetic North: 6.79°

Magnetic Field
Strength: 47469.0nT
Dip Angle: 60.23°
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.
Eddy County, NM (NAD83) NMEZ Grid
Patrick 10 Federal
Patrick 10 Federal 50H
50H OH
50H 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 50H

50H OH

Design: 50H OH AsDrilled

Standard Survey Report

09 July, 2024

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 50H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3477+20 @ 3497.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3477+20 @ 3497.00usft (akita)
Well:	Patrick 10 Federal 50H	North Reference:	Grid
Wellbore:	50H OH	Survey Calculation Method:	Minimum Curvature
Design:	50H 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 50H					
Well Position	+N/-S	0.00 usft	Northing:	610,319.000 usft	Latitude:	32.6777468
	+E/-W	0.00 usft	Easting:	502,095.500 usft	Longitude:	-104.4608723
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,477.00 usft

Wellbore	50H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	03/31/24	6.72	60.23	47,469.00000000

Design	50H 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	07/09/24			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
140.00	1,151.00	Survey #1 Transcend (50H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
1,288.00	9,093.00	Survey #2 Akita (50H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
9,174.00	9,174.00	Survey #3 (50H 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	
PTCK 10 Fed 50H SHL 1820FNL_965FWL										
140.00	0.24	338.70	140.00	0.27	-0.11	0.11	0.17	0.17	0.00	
225.00	0.31	322.14	225.00	0.62	-0.31	0.32	0.12	0.08	-19.48	
311.00	0.25	293.98	311.00	0.88	-0.63	0.64	0.17	-0.07	-32.74	
405.00	0.35	274.69	405.00	0.99	-1.10	1.12	0.15	0.11	-20.52	
500.00	0.28	251.88	499.99	0.94	-1.61	1.63	0.15	-0.07	-24.01	
594.00	0.17	267.84	593.99	0.86	-1.97	1.98	0.13	-0.12	16.98	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 50H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3477+20 @ 3497.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3477+20 @ 3497.00usft (akita)
Well:	Patrick 10 Federal 50H	North Reference:	Grid
Wellbore:	50H OH	Survey Calculation Method:	Minimum Curvature
Design:	50H 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)
688.00	2.27	278.61	687.97	1.14	-3.95	3.97	2.24	2.23	11.46
782.00	4.28	277.94	781.81	1.90	-9.26	9.30	2.14	2.14	-0.71
877.00	3.63	270.39	876.58	2.41	-15.78	15.82	0.88	-0.68	-7.95
971.00	3.55	270.41	970.40	2.45	-21.67	21.71	0.09	-0.09	0.02
1,065.00	3.44	270.62	1,064.22	2.50	-27.40	27.44	0.12	-0.12	0.22
1,151.00	3.53	268.28	1,150.06	2.45	-32.62	32.66	0.20	0.10	-2.72
1,288.00	3.34	270.48	1,286.82	2.36	-40.83	40.87	0.17	-0.14	1.61
1,414.00	3.29	268.38	1,412.61	2.29	-48.11	48.15	0.10	-0.04	-1.67
1,541.00	3.45	265.22	1,539.39	1.86	-55.57	55.59	0.19	0.13	-2.49
1,666.00	3.29	266.06	1,664.17	1.30	-62.89	62.90	0.13	-0.13	0.67
1,791.00	3.59	265.73	1,788.95	0.77	-70.37	70.38	0.24	0.24	-0.26
1,916.00	3.43	265.69	1,913.71	0.19	-78.00	77.99	0.13	-0.13	-0.03
2,042.00	3.39	273.21	2,039.49	0.12	-85.48	85.47	0.36	-0.03	5.97
2,168.00	3.55	268.23	2,165.26	0.21	-93.10	93.09	0.27	0.13	-3.95
2,293.00	3.87	275.12	2,290.00	0.46	-101.17	101.16	0.44	0.26	5.51
2,419.00	3.63	279.51	2,415.73	1.50	-109.34	109.35	0.30	-0.19	3.48
2,482.00	3.93	279.12	2,478.59	2.17	-113.44	113.46	0.48	0.48	-0.62
2,545.00	8.33	271.40	2,541.22	2.63	-120.14	120.16	7.09	6.98	-12.25
2,607.00	13.18	269.09	2,602.11	2.63	-131.70	131.73	7.85	7.82	-3.73
2,670.00	17.41	269.68	2,662.86	2.46	-148.31	148.33	6.72	6.71	0.94
2,733.00	20.75	270.55	2,722.39	2.51	-168.90	168.92	5.32	5.30	1.38
2,795.00	23.86	271.21	2,779.75	2.88	-192.43	192.45	5.03	5.02	1.06
2,858.00	27.26	271.68	2,836.57	3.58	-219.60	219.63	5.41	5.40	0.75
2,921.00	30.79	269.90	2,891.66	3.97	-250.15	250.19	5.77	5.60	-2.83
2,984.00	33.99	269.70	2,944.85	3.85	-283.90	283.92	5.08	5.08	-0.32
3,078.00	38.81	270.27	3,020.48	3.85	-339.66	339.68	5.14	5.13	0.61
3,140.00	42.66	270.41	3,067.46	4.09	-380.11	380.12	6.21	6.21	0.23
3,202.00	46.77	270.04	3,111.50	4.26	-423.72	423.73	6.64	6.63	-0.60
3,265.00	51.20	270.70	3,152.84	4.58	-471.25	471.25	7.08	7.03	1.05
3,328.00	55.70	271.64	3,190.35	5.62	-521.83	521.85	7.24	7.14	1.49
3,391.00	58.67	272.05	3,224.48	7.33	-574.75	574.78	4.75	4.71	0.65
3,422.00	59.32	271.93	3,240.45	8.25	-601.30	601.35	2.12	2.10	-0.39
3,454.00	59.45	271.77	3,256.75	9.14	-628.83	628.89	0.59	0.41	-0.50
3,486.00	59.65	271.83	3,272.97	10.01	-656.40	656.47	0.65	0.63	0.19
3,517.00	59.67	271.85	3,288.63	10.87	-683.14	683.22	0.09	0.06	0.06
3,548.00	59.72	271.76	3,304.27	11.71	-709.89	709.98	0.30	0.16	-0.29
3,579.00	59.81	271.73	3,319.88	12.52	-736.66	736.77	0.30	0.29	-0.10
3,642.00	61.68	272.01	3,350.67	14.32	-791.59	791.72	2.99	2.97	0.44
3,705.00	67.27	272.00	3,377.80	16.31	-848.39	848.54	8.87	8.87	-0.02
3,767.00	73.84	271.94	3,398.43	18.32	-906.78	906.97	10.60	10.60	-0.10
3,830.00	78.77	271.01	3,413.34	19.89	-967.95	968.15	7.96	7.83	-1.48
3,892.00	84.55	270.75	3,422.33	20.83	-1,029.26	1,029.47	9.33	9.32	-0.42
3,927.65	87.95	270.94	3,424.66	21.35	-1,064.82	1,065.04	9.55	9.54	0.52
PTCK 10 Fed 50H FTP p3 1830FNL_100FEL									

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 50H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3477+20 @ 3497.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3477+20 @ 3497.00usft (akita)
Well:	Patrick 10 Federal 50H	North Reference:	Grid
Wellbore:	50H OH	Survey Calculation Method:	Minimum Curvature
Design:	50H 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)
3,955.00	90.56	271.08	3,425.02	21.83	-1,092.17	1,092.39	9.55	9.54	0.52
4,080.00	91.18	271.21	3,423.12	24.33	-1,217.13	1,217.37	0.51	0.50	0.10
4,206.00	91.37	271.68	3,420.32	27.51	-1,343.06	1,343.34	0.40	0.15	0.37
4,330.00	91.77	271.90	3,416.92	31.38	-1,466.95	1,467.28	0.37	0.32	0.18
4,455.00	92.02	271.86	3,412.78	35.48	-1,591.81	1,592.20	0.20	0.20	-0.03
4,581.00	91.43	270.97	3,408.99	38.59	-1,717.72	1,718.13	0.85	-0.47	-0.71
4,705.00	91.46	270.73	3,405.86	40.42	-1,841.66	1,842.09	0.19	0.02	-0.19
4,831.00	91.46	270.61	3,402.65	41.90	-1,967.61	1,968.05	0.10	0.00	-0.10
4,957.00	91.21	270.64	3,399.72	43.27	-2,093.57	2,094.01	0.20	-0.20	0.02
5,082.00	91.35	270.65	3,396.93	44.68	-2,218.53	2,218.98	0.11	0.11	0.01
5,208.00	91.49	270.42	3,393.80	45.85	-2,344.49	2,344.94	0.21	0.11	-0.18
5,333.00	91.32	270.36	3,390.74	46.70	-2,469.45	2,469.89	0.14	-0.14	-0.05
5,459.00	91.32	270.25	3,387.84	47.38	-2,595.41	2,595.85	0.09	0.00	-0.09
5,585.00	91.23	269.62	3,385.03	47.23	-2,721.38	2,721.79	0.50	-0.07	-0.50
5,710.00	91.09	270.33	3,382.50	47.18	-2,846.35	2,846.74	0.58	-0.11	0.57
5,835.00	91.23	270.11	3,379.97	47.66	-2,971.33	2,971.70	0.21	0.11	-0.18
5,960.00	91.18	269.66	3,377.34	47.41	-3,096.30	3,096.65	0.36	-0.04	-0.36
6,080.00	91.04	271.78	3,375.02	48.91	-3,216.26	3,216.62	1.77	-0.12	1.77
6,200.00	90.90	271.54	3,372.99	52.39	-3,336.19	3,336.59	0.23	-0.12	-0.20
6,319.00	90.67	271.03	3,371.36	55.06	-3,455.15	3,455.58	0.47	-0.19	-0.43
6,438.00	90.81	271.04	3,369.82	57.21	-3,574.12	3,574.57	0.12	0.12	0.01
6,556.00	90.39	270.78	3,368.58	59.08	-3,692.10	3,692.56	0.42	-0.36	-0.22
6,675.00	90.78	271.94	3,367.37	61.91	-3,811.06	3,811.55	1.03	0.33	0.97
6,794.00	92.27	272.16	3,364.20	66.16	-3,929.94	3,930.49	1.27	1.25	0.18
6,913.00	92.49	272.56	3,359.26	71.06	-4,048.73	4,049.36	0.38	0.18	0.34
7,031.00	92.21	272.67	3,354.42	76.44	-4,166.51	4,167.21	0.25	-0.24	0.09
7,151.00	91.51	272.39	3,350.53	81.73	-4,286.33	4,287.11	0.63	-0.58	-0.23
7,273.00	90.84	271.81	3,348.02	86.20	-4,408.22	4,409.06	0.73	-0.55	-0.48
7,399.00	90.87	270.90	3,346.14	89.18	-4,534.17	4,535.04	0.72	0.02	-0.72
7,525.00	91.12	270.87	3,343.96	91.13	-4,660.14	4,661.02	0.20	0.20	-0.02
7,649.00	92.10	270.57	3,340.47	92.68	-4,784.08	4,784.97	0.83	0.79	-0.24
7,775.00	91.91	270.46	3,336.06	93.81	-4,909.99	4,910.89	0.17	-0.15	-0.09
7,901.00	91.09	270.82	3,332.77	95.22	-5,035.94	5,036.84	0.71	-0.65	0.29
8,026.00	91.26	270.64	3,330.20	96.81	-5,160.91	5,161.81	0.20	0.14	-0.14
8,153.00	91.18	270.49	3,327.50	98.07	-5,287.87	5,288.78	0.13	-0.06	-0.12
8,278.00	91.12	269.79	3,324.99	98.37	-5,412.84	5,413.74	0.56	-0.05	-0.56
8,404.00	91.46	269.41	3,322.15	97.49	-5,538.81	5,539.67	0.40	0.27	-0.30
8,530.00	92.13	269.05	3,318.21	95.80	-5,664.73	5,665.54	0.60	0.53	-0.29
8,656.00	91.51	271.80	3,314.20	96.73	-5,790.65	5,791.46	2.24	-0.49	2.18
8,781.00	91.18	271.20	3,311.27	100.01	-5,915.58	5,916.42	0.55	-0.26	-0.48
8,905.00	91.60	270.75	3,308.26	102.11	-6,039.52	6,040.38	0.50	0.34	-0.36
9,030.00	91.79	270.38	3,304.56	103.35	-6,164.46	6,165.32	0.33	0.15	-0.30
9,093.00	91.32	270.26	3,302.86	103.70	-6,227.44	6,228.29	0.77	-0.75	-0.19

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Patrick 10 Federal 50H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3477+20 @ 3497.00usft (akita)
Site:	Patrick 10 Federal	MD Reference:	3477+20 @ 3497.00usft (akita)
Well:	Patrick 10 Federal 50H	North Reference:	Grid
Wellbore:	50H OH	Survey Calculation Method:	Minimum Curvature
Design:	50H 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)	
PTCK 10 Fed 50H LTP p3 1830FNL_100FWL										
9,174.00	91.32	270.26	3,300.99	104.07	-6,308.41	6,309.26	0.00	0.00	0.00	
PTCK 10 Fed 50H PBHL p3 1830FNL_50FWL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- hit/miss target										
- Shape										
PTCK 10 Fed 50H SHL	0.00	0.00	0.00	0.00	0.00	610,319.000	502,095.500	32.6777468		-104.4608723
- actual wellpath hits target center										
- Point										
PTCK 10 Fed 50H ESTK	0.00	0.00	2,478.59	2.17	-113.44	610,321.174	501,982.062	32.6777524		-104.4612410
- actual wellpath hits target center										
- Point										
PTCK 10 Fed 50H 80° 1	0.00	360.00	3,271.55	9.93	-653.97	610,328.930	501,441.526	32.6777720		-104.4629978
- actual wellpath hits target center										
- Point										
PTCK 10 Fed 50H PBHL	0.00	360.00	3,300.00	116.90	-6,310.80	610,435.900	495,784.700	32.6780456		-104.4813833
- actual wellpath misses target center by 13.09usft at 9174.00usft MD (3300.99 TVD, 104.07 N, -6308.41 E)										
- Point										
PTCK 10 Fed 50H TD 1	0.00	0.00	3,300.99	104.07	-6,308.41	610,423.066	495,787.086	32.6780104		-104.4813755
- actual wellpath hits target center										
- Point										
PTCK 10 Fed 50H LTP 1	0.00	360.00	3,302.07	103.85	-6,261.43	610,422.853	495,834.073	32.6780100		-104.4812228
- actual wellpath misses target center by 34.00usft at 9093.00usft MD (3302.86 TVD, 103.70 N, -6227.44 E)										
- Point										
PTCK 10 Fed 50H SEC	0.00	0.00	3,412.75	19.83	-965.01	610,338.832	501,130.489	32.6777981		-104.4640087
- actual wellpath hits target center										
- Point										
PTCK 10 Fed 50H FTP	0.00	0.00	3,424.67	21.35	-1,064.98	610,340.352	501,030.522	32.6778020		-104.4643336
- actual wellpath hits target center										
- Point										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
2,482.00	2,478.59	2.17	-113.44	ESTKOP 1820FNL_849FWL	
3,483.19	3,271.55	9.93	-653.97	80° 1810FNL_311FWL	
3,827.00	3,412.75	19.83	-965.01	SECX 1810FNL_0FEL/FWL	
3,927.80	3,424.67	21.35	-1,064.98	FTP 1805FNL_100FEL	
9,127.00	3,302.07	103.85	-6,261.43	LTP 1842FNL_100FWL	
9,174.00	3,300.99	104.07	-6,308.41	TD 1842FNL_52FWL	

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 50H
7 OGRID NO.		8 Operator Name SPUR ENERGY PARTNERS LLC.			9 Elevation 3477'

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
E	11	19S	25E		1820	NORTH	965	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
E	10	19S	25E		1830	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: 610319.0 - E: 502095.5 LAT: 32.6777468° N LONG: 104.4608723° W <u>FIRST TAKE POINT (FTP)</u> 1830' FNL & 100' FEL - SEC 10 N: 610340.8 - E: 501030.7 LAT: 32.6778031° N LONG: 104.4643331° W <u>LAST TAKE POINT (LTP)</u> 1830' FNL & 100' FWL - SEC 10 N: 610435.0 - E: 495834.7 LAT: 32.6780433° N LONG: 104.4812207° W <u>BOTTOM HOLE (BH)</u> N: 610435.9 - E: 495784.7 LAT: 32.6780456° N LONG: 104.4813832° 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. 10/27/2021 Date of Survey Signature and Seal of Professional Surveyor _____ 19680 Certificate Number
--	---

OH BHL: Prime Solution Services MWD Original hole: Final Station 9093
MD Displacement = 6228.3' at a 270.95° azm API # 30-015-50024

LS21101116

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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 376839

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 376839
	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 376839

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 376839
	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