

Santa Fe Main Office Phone: (505) 476-3441 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: BIG N TASTY 2 STATE COM 21H	Property Code: 334578
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-54045
Pool Name: FREN; GLORIETA-YESO	Pool Code: 26770

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	2	17S	31E		2455' FSL	255' FWL	32.8631400	-103.84809	EDDY

Section 3 – Completion Information

Producing Method PUMPING ON ESP	Ready Date 09/24/2024	Perforations MD 6067'-11083'	Perforations TVD 5431'-5463'
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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): 386052	Communitization Agreement ☒ Yes ☐ No, Order No.
Surface Casing Action ID: 339683	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 342806	Compulsory Pooling: ☐ Yes ☒ No, Order No.
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 344755	Surface Commingling: ☒ Yes ☐ No, Order No. PENDING
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: TUBING PENDING BLM APPROVAL	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	
Title REGULATORY DIRECTOR	Date 12/30/2024

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 30-015-54045	Pool Code 26770	Pool Name FREN; GLORIETA-YESO
Property Code 334578	Property Name BIG N TASTY 2 STATE COM	Well Number 21H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS LLC.	Ground Level Elevation 3977'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL L	Section 2	Township 17S	Range 31E	Lot	Ft. from N/S 2455 FSL	Ft. from E/W 255 FWL	Latitude 32.8631400°N	Longitude 103.8480916°W	County EDDY
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Bottom Hole Location

UL H	Section 2	Township 17S	Range 31E	Lot	Ft. from N/S 2307 FNL	Ft. from E/W 50 FEL	Latitude 32.8645934°N	Longitude 103.8318921°W	County EDDY
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Dedicated Acres 319.60	Infill or Defining Well INFILL	Defining Well API 30-015-54046	Overlapping Spacing Unit (Y/N) N	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL H	Section 3	Township 17S	Range 31E	Lot	Ft. from N/S 2338 FNL	Ft. from E/W 711 FEL	Latitude 32.8644678°N	Longitude 103.8512402°W	County EDDY
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First Take Point (FTP)

UL E	Section 2	Township 17S	Range 31E	Lot	Ft. from N/S 2320 FNL	Ft. from E/W 149 FWL	Latitude 32.8645242°N	Longitude 103.8484402°W	County EDDY
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Last Take Point (LTP)

UL H	Section 2	Township 17S	Range 31E	Lot	Ft. from N/S 2309 FNL	Ft. from E/W 116 FEL	Latitude 32.8645870°N	Longitude 103.8321068°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3977' 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> Sarah Chapman 10/02/2024		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 SARAH CHAPMAN		Signature and Seal of Professional Surveyor	
Printed Name SCHAPMAN@SPURENERGY.COM		Certificate Number 14400	Date of Survey 09/13/2024
Email Address			

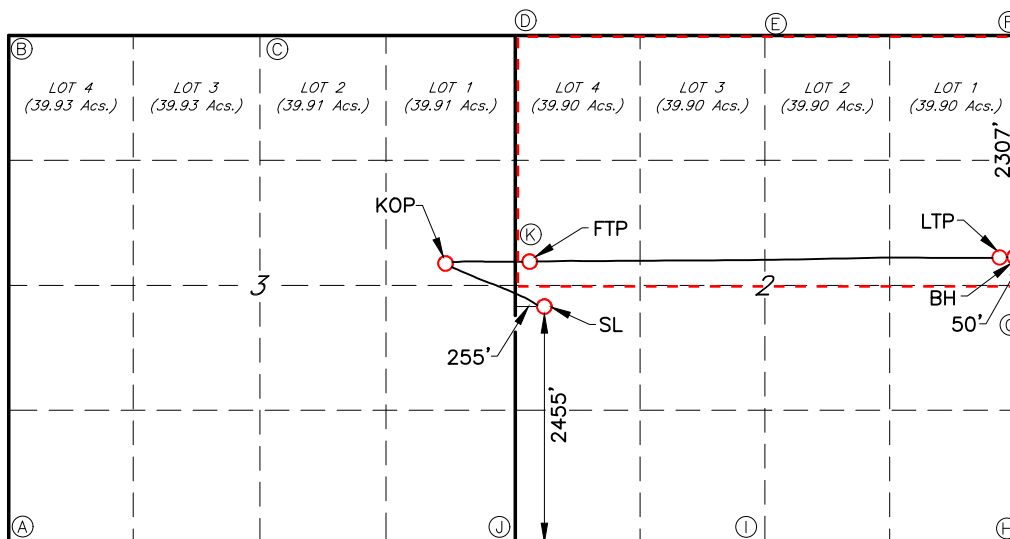
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

BIG N TASTY 2 STATE COM 21H



GEODETIC DATA

NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)

N: 678086.2 - E: 690331.2
 LAT: 32.8631400° N
 LONG: 103.8480916° W

KICK OFF POINT (KOP)

2338' FNL & 711' FEL - SEC.3
 N: 678564.8 - E: 689362.2
 LAT: 32.8644678° N
 LONG: 103.8512402° W
 MD: 4832.0' - TVD: 4687.8'

FIRST TAKE POINT (FTP)

2320' FNL & 149' FWL - SEC.2
 N: 678589.3 - E: 690221.9
 LAT: 32.8645242° N
 LONG: 103.8484402° W
 MD: 6067.0' - TVD: 5430.9'

LAST TAKE POINT (LTP)

2309' FNL & 116' FEL - SEC.2
 N: 678635.5 - E: 695236.9
 LAT: 32.8645870° N
 LONG: 103.8321068° W
 MD: 11083.0' - TVD: 5463.3'

BOTTOM HOLE (BH)

N: 678638.2 - E: 695302.8
 LAT: 32.8645934° N
 LONG: 103.8318921° W
 MD: 11149.0' - TVD: 5465.0'

CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND 1/2" REBAR
 N: 675594.5 - E: 684811.1

B: CALCULATED CORNER
 N: 680870.9 - E: 684780.1

C: FOUND BRASS CAP "1916"
 N: 680888.4 - E: 687419.6
 D: FOUND BRASS CAP "1916"
 N: 680907.6 - E: 690060.3

E: FOUND BRASS CAP "1916"
 N: 680926.1 - E: 692700.3

F: FOUND BRASS CAP "1916"
 N: 680945.0 - E: 695340.9

G: FOUND BRASS CAP "1916"
 N: 678307.8 - E: 695355.0

H: FOUND BRASS CAP "1916"
 N: 675668.0 - E: 695369.9

I: FOUND BRASS CAP "1916"
 N: 675650.7 - E: 692730.3

J: FOUND BRASS CAP "1916"
 N: 675630.4 - E: 690091.1

K: FOUND BRASS CAP "1916"
 N: 678270.8 - E: 690075.1





May 28th , 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: BIG N TASTY 2 STATE COM 21H
POOLS:[26770]FREN; GLORIETA-YESO
EDDY COUNTY, NM
API Number: 30-015-54045

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: 219' MD– 11086' MD projection to 11149MD
Date Performed: 4/18/2024 – 05/4/2024
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

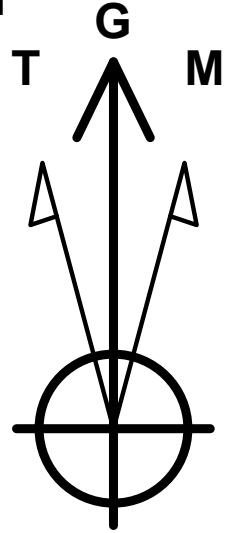
Matt Simpson
MWD Operations Manager

346-310-9626

msimpson@primesolutionsvcs.com

SPUR ENERGY PARTNERS LLC.

Project: Eddy County, NM (NAD83) NMEZ Grid
Site: BIG N TASTY 2 STATE COM
Well: BNT 2 STATE COM 21H
Wellbore: 21H OH
Design: 21H OH AsDrilled



Azimuths to Grid North
True North: -0.26°
Magnetic North: 6.46°

Magnetic Field
Strength: 47586.0nT
Dip Angle: 60.51°
Date: 04/04/2024
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

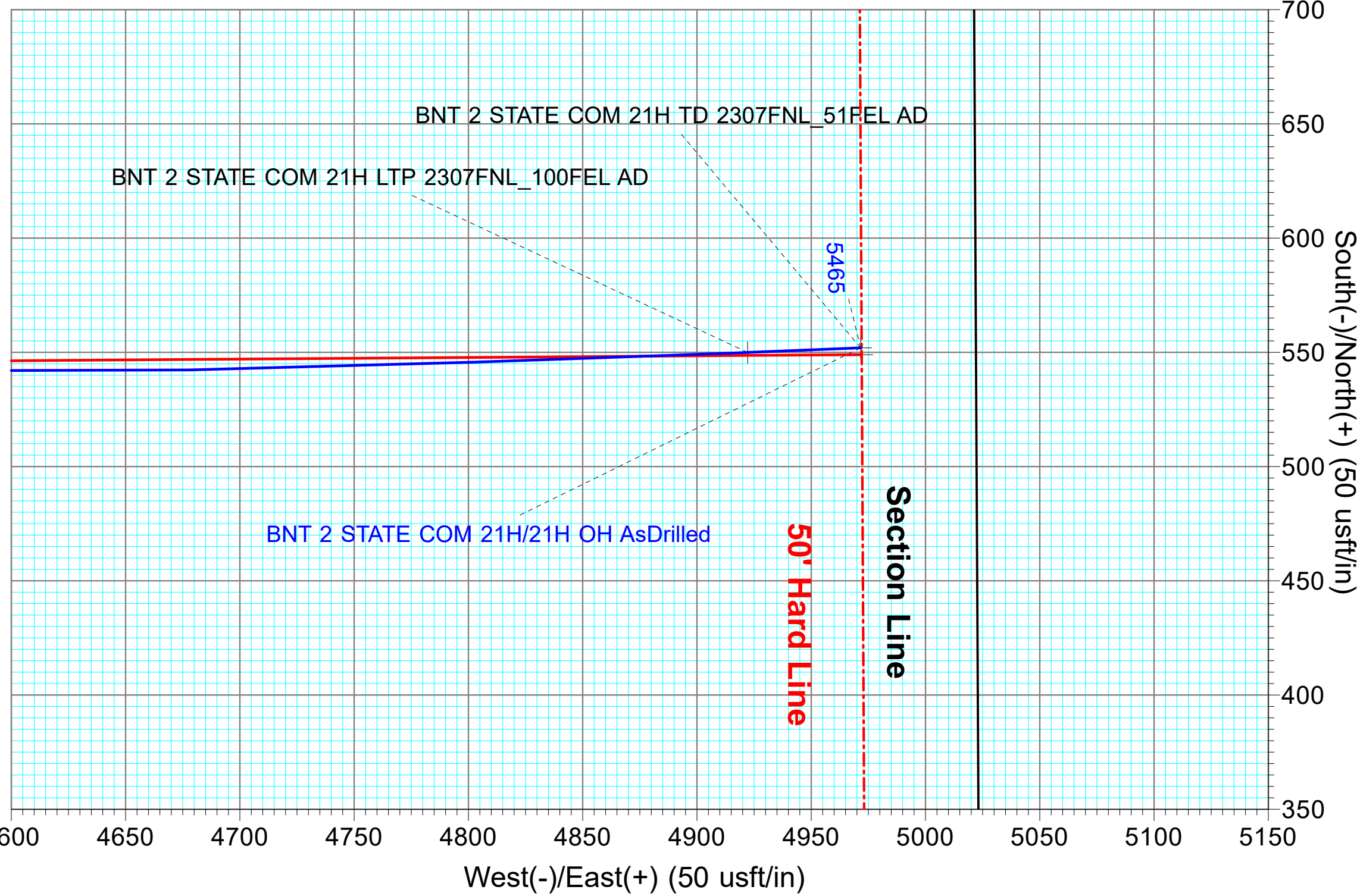
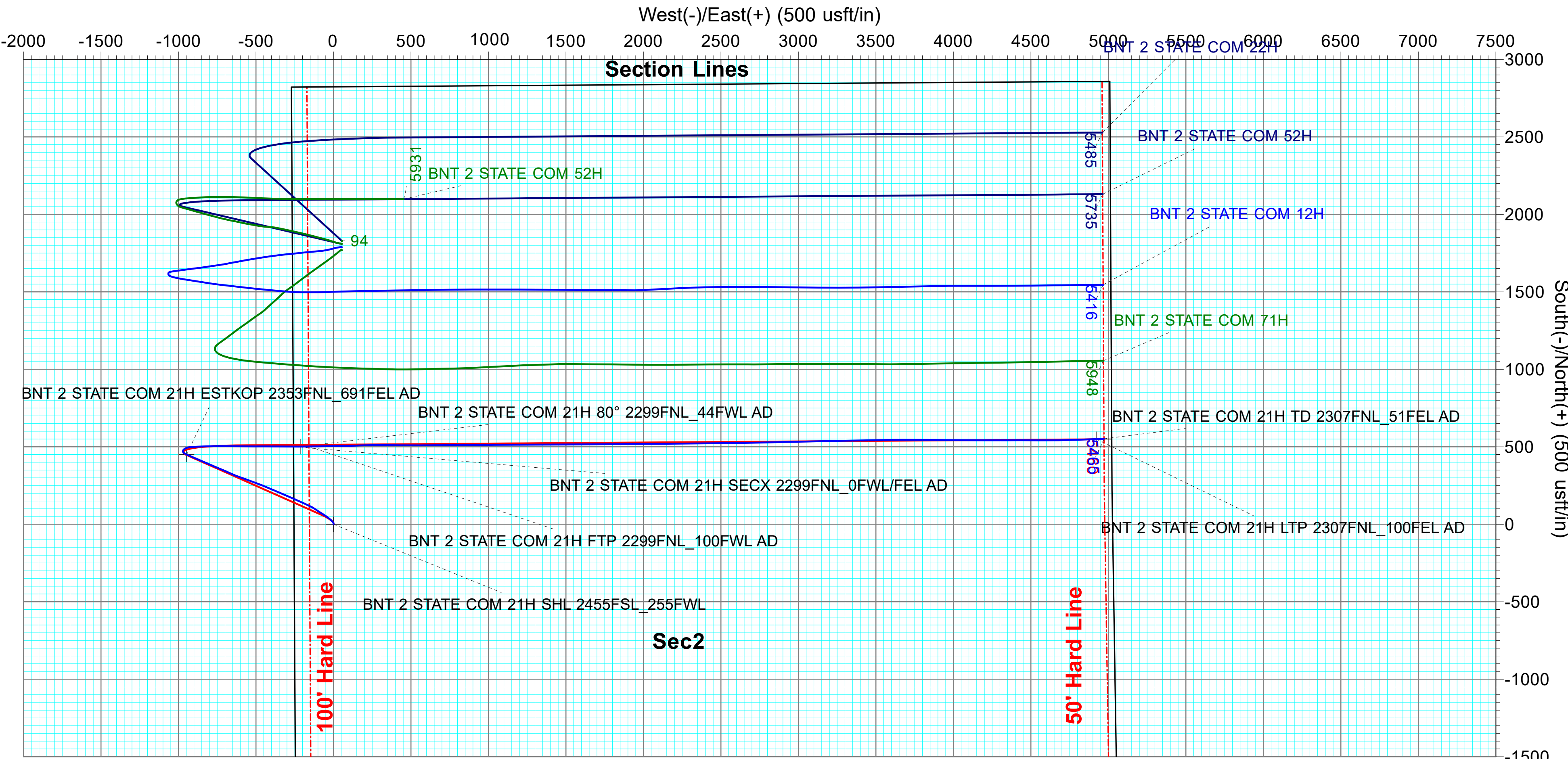
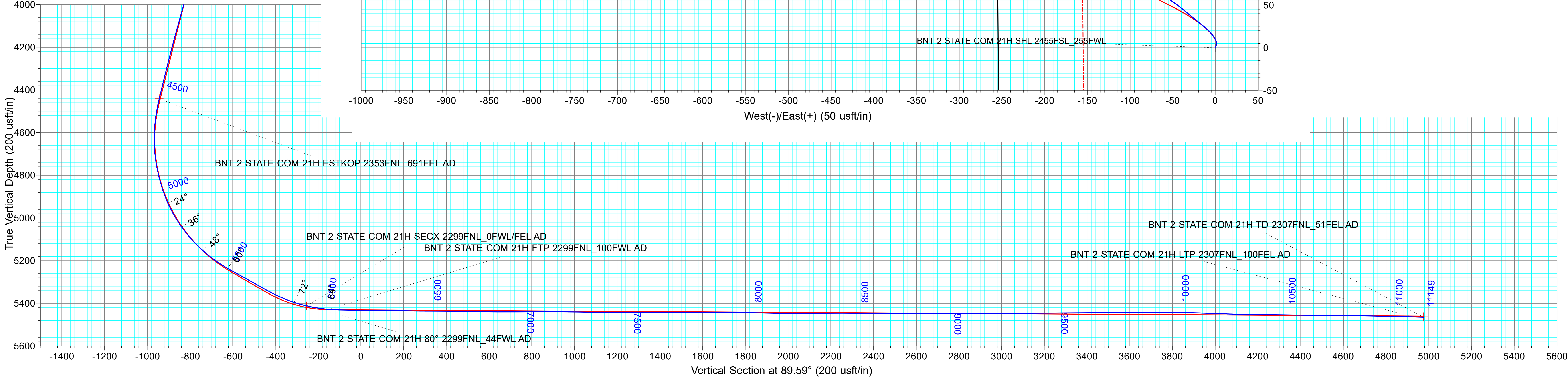
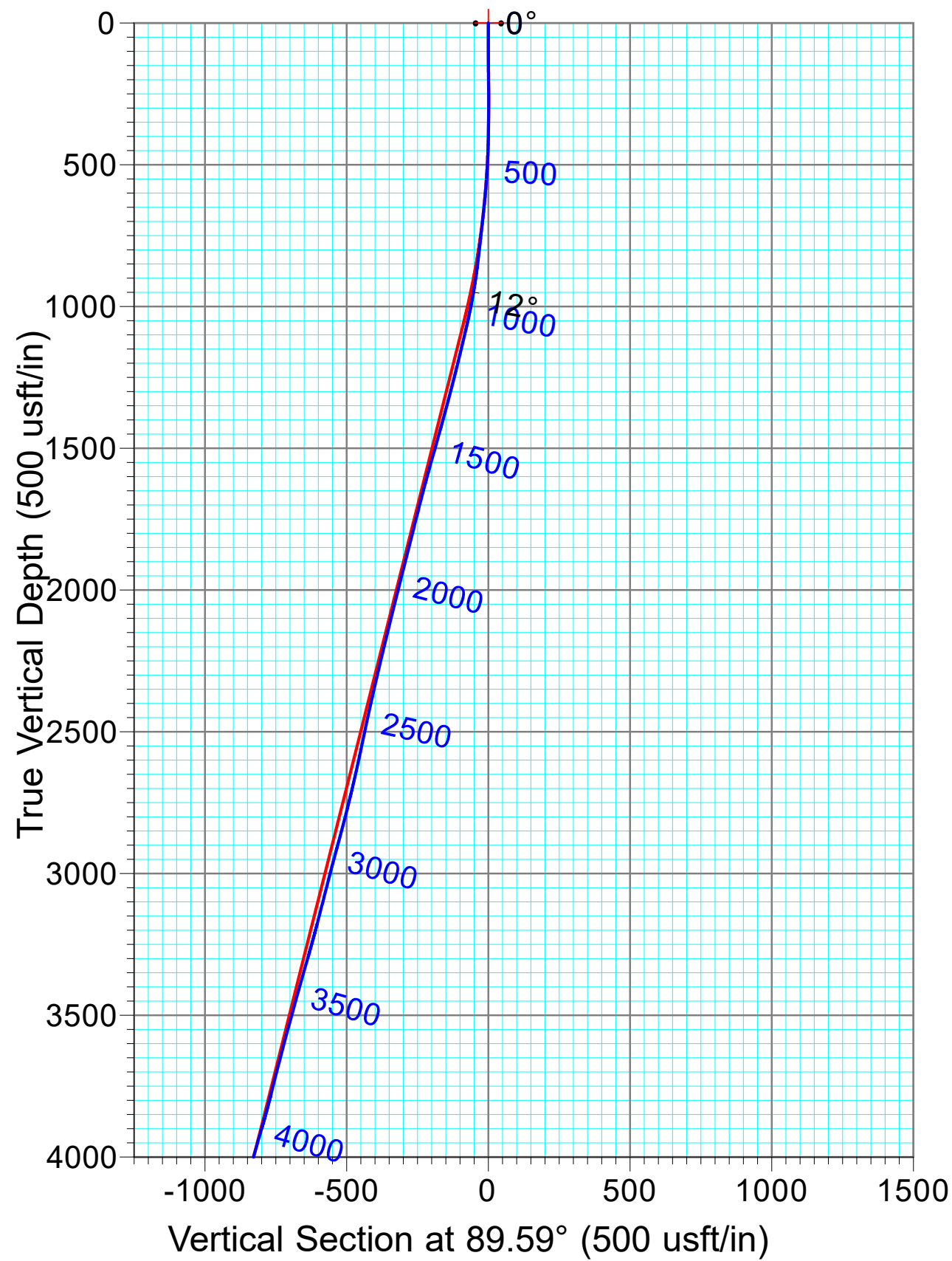
Magnetic North is 6.46° East of Grid North (Magnetic Convergence)
Magnetic North is 6.72° East of True North (Magnetic Declination)
To convert a Magnetic Direction to a Grid Direction, Add 6.46°

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
4582.00	14.56	293.89	4441.41	450.00	-947.00	ESTKOP 2353FNL_691FEL
5917.00	76.60	90.28	5412.02	501.46	-257.83	SECX 2299FNL_0FWL/FEL
5962.03	80.00	89.70	5421.30	501.46	-213.77	80° 2299FNL_44FWL
6019.00	85.79	88.97	5428.11	502.17	-157.24	FTP 2299FNL_100FWL
11099.50	88.43	87.70	5463.66	549.99	4922.20	LTP 2307FNL_100FEL
11149.00	88.43	87.70	5465.02	551.98	4971.64	TD 2307FNL_51FEL

DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
BNT 2 STATE COM 21H SHL 2455FSL_255FWL	0.00	0.00	0.00	678086.200	690331.200
BNT 2 STATE COM 21H ESTKOP 2353FNL_691FEL AD	4441.41	450.00	-947.00	678536.200	689384.200
BNT 2 STATE COM 21H SECX 2299FNL_0FWL/FEL AD	5412.02	501.46	-257.83	678587.660	690073.371
BNT 2 STATE COM 21H 80° 2299FNL_44FWL AD	5421.30	501.46	-213.77	678587.663	690117.427
BNT 2 STATE COM 21H FTP 2299FNL_100FWL AD	5428.11	502.17	-157.24	678588.368	690173.957
BNT 2 STATE COM 21H PBHL p2 2310FNL_50FEL	5460.00	549.00	4972.10	678635.200	695303.300
BNT 2 STATE COM 21H LTP 2307FNL_100FEL AD	5463.66	549.99	4922.20	678636.189	695253.398
BNT 2 STATE COM 21H TD 2307FNL_51FEL AD	5465.02	551.98	4971.64	678638.175	695302.840



SPUR ENERGY PARTNERS LLC.
Eddy County, NM (NAD83) NMEZ Grid
BIG N TASTY 2 STATE COM
BNT 2 STATE COM 21H
21H OH
21H OH AsDrilled
Created By: Mekka Williams
eSomnia Well Design
mekka@esominawell.com

SPUR ENERGY PARTNERS LLC.

Eddy County, NM (NAD83) NMEZ Grid

BIG N TASTY 2 STATE COM

BNT 2 STATE COM 21H

21H OH

Design: 21H OH AsDrilled

Standard Survey Report

31 May, 2024

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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		BIG N TASTY 2 STATE COM			
Site Position:		Northing:	679,933.700 usft	Latitude:	32.8682199
From:	Map	Easting:	690,185.800 usft	Longitude:	-103.8485376
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.26 °

Well	BNT 2 STATE COM 21H					
Well Position	+N/-S	0.00 usft	Northing:	678,086.200 usft	Latitude:	32.8631401
	+E/-W	0.00 usft	Easting:	690,331.200 usft	Longitude:	-103.8480917
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,978.00 usft

Wellbore	21H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	04/04/24	6.72	60.51	47,586.00000000

Design	21H 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	89.59	

Survey Program	Date	05/31/24			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
158.00	636.00	Survey #1 Trascend (21H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
738.00	11,086.00	Survey #2 Akita (21H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	
11,149.00	11,149.00	Survey #3 (21H 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	
BNT 2 STATE COM SHL 2455FSL_255FWL										
41.50	0.32	14.55	41.50	0.11	0.03	0.03	0.78	0.78	0.00	
83.00	0.65	14.55	83.00	0.45	0.12	0.12	0.78	0.78	0.00	
124.50	0.97	14.55	124.49	1.02	0.26	0.27	0.78	0.78	0.00	
166.00	1.24	15.50	165.99	1.81	0.47	0.48	0.66	0.65	2.30	
207.50	1.30	20.18	207.48	2.68	0.75	0.77	0.29	0.15	11.27	
249.00	1.37	15.19	248.96	3.60	1.07	1.09	0.32	0.15	-12.03	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)	
290.50	1.45	7.38	290.45	4.60	1.26	1.30	0.51	0.21	-18.83	
332.00	1.93	351.17	331.94	5.76	1.26	1.30	1.62	1.15	-39.05	
373.50	2.73	339.69	373.40	7.38	0.81	0.87	2.22	1.92	-27.66	
415.00	3.54	332.83	414.84	9.46	-0.11	-0.04	2.15	1.95	-16.54	
456.50	4.31	327.55	456.24	11.92	-1.53	-1.45	2.05	1.86	-12.72	
498.00	5.08	323.47	497.60	14.72	-3.46	-3.35	2.03	1.86	-9.82	
539.50	5.71	317.64	538.92	17.73	-5.94	-5.82	2.01	1.52	-14.05	
581.00	6.39	313.01	580.19	20.83	-9.02	-8.88	2.01	1.63	-11.17	
622.50	7.08	310.36	621.40	24.05	-12.67	-12.50	1.81	1.65	-6.37	
664.00	7.54	309.25	662.56	27.44	-16.75	-16.56	1.16	1.11	-2.68	
705.50	7.89	308.66	703.68	30.94	-21.09	-20.86	0.87	0.85	-1.42	
747.00	8.24	308.40	744.77	34.56	-25.65	-25.40	0.84	0.84	-0.64	
788.50	8.56	309.09	785.83	38.35	-30.38	-30.10	0.82	0.78	1.66	
830.00	8.89	309.73	826.85	42.35	-35.24	-34.94	0.82	0.78	1.54	
871.50	9.52	309.03	867.82	46.56	-40.29	-39.95	1.55	1.53	-1.68	
913.00	10.74	306.39	908.67	51.01	-46.07	-45.70	3.15	2.94	-6.37	
954.50	11.98	304.28	949.36	55.73	-52.74	-52.34	3.15	2.99	-5.08	
996.00	13.13	303.23	989.86	60.73	-60.28	-59.84	2.82	2.77	-2.53	
1,037.50	14.16	303.08	1,030.19	66.08	-68.48	-68.00	2.48	2.48	-0.37	
1,079.00	15.19	302.94	1,070.34	71.81	-77.29	-76.78	2.48	2.48	-0.32	
1,120.50	15.82	302.99	1,110.31	77.88	-86.66	-86.10	1.52	1.52	0.11	
1,162.00	16.14	303.16	1,150.20	84.11	-96.23	-95.63	0.78	0.77	0.41	
1,203.50	16.46	303.32	1,190.04	90.50	-105.98	-105.33	0.78	0.77	0.39	
1,245.00	16.65	302.48	1,229.81	96.97	-115.90	-115.20	0.73	0.45	-2.03	
1,286.50	16.75	300.92	1,269.56	103.23	-126.04	-125.30	1.10	0.23	-3.76	
1,328.00	16.85	299.38	1,309.29	109.26	-136.41	-135.63	1.10	0.26	-3.72	
1,369.50	16.93	297.84	1,349.00	115.03	-147.00	-146.18	1.09	0.18	-3.70	
1,411.00	16.99	296.30	1,388.69	120.54	-157.78	-156.92	1.09	0.14	-3.70	
1,452.50	17.06	294.78	1,428.37	125.78	-168.74	-167.84	1.09	0.17	-3.67	
1,494.00	17.12	294.05	1,468.04	130.79	-179.86	-178.92	0.53	0.15	-1.75	
1,535.50	17.17	293.91	1,507.70	135.76	-191.04	-190.06	0.16	0.12	-0.36	
1,577.00	17.22	293.76	1,547.34	140.72	-202.26	-201.25	0.16	0.12	-0.35	
1,618.50	16.95	293.66	1,587.00	145.64	-213.47	-212.42	0.65	-0.65	-0.24	
1,660.00	16.38	293.61	1,626.75	150.41	-224.37	-223.29	1.36	-1.36	-0.14	
1,701.50	15.82	293.55	1,666.62	155.01	-234.92	-233.81	1.36	-1.36	-0.14	
1,743.00	15.50	293.62	1,706.60	159.47	-245.15	-244.00	0.76	-0.76	0.17	
1,784.50	15.51	293.86	1,746.59	163.93	-255.31	-254.13	0.16	0.02	0.59	
1,826.00	15.52	294.10	1,786.57	168.45	-265.45	-264.24	0.16	0.02	0.59	
1,867.50	15.52	294.09	1,826.56	173.00	-275.59	-274.34	0.02	-0.01	-0.04	
1,909.00	15.49	293.67	1,866.55	177.49	-285.73	-284.45	0.27	-0.07	-1.00	
1,950.50	15.47	293.26	1,906.54	181.90	-295.89	-294.58	0.27	-0.06	-1.00	
1,992.00	15.43	292.99	1,946.54	186.23	-306.06	-304.72	0.20	-0.09	-0.65	
2,033.50	15.37	292.95	1,986.55	190.53	-316.21	-314.83	0.14	-0.14	-0.09	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)	
2,075.00	15.31	292.91	2,026.58	194.81	-326.32	-324.91	0.14	-0.14	-0.09	
2,116.50	15.23	292.91	2,066.61	199.06	-336.39	-334.96	0.20	-0.20	-0.01	
2,158.00	15.09	292.97	2,106.67	203.29	-346.38	-344.92	0.33	-0.33	0.14	
2,199.50	14.96	293.03	2,146.75	207.49	-356.29	-354.79	0.33	-0.33	0.14	
2,241.00	14.82	293.11	2,186.85	211.67	-366.10	-364.57	0.33	-0.32	0.21	
2,282.50	14.69	293.27	2,226.98	215.83	-375.81	-374.26	0.32	-0.31	0.38	
2,324.00	14.57	293.43	2,267.14	219.99	-385.44	-383.85	0.32	-0.31	0.38	
2,365.50	14.39	293.50	2,307.32	224.13	-394.96	-393.35	0.42	-0.42	0.18	
2,407.00	14.09	293.31	2,347.54	228.19	-404.33	-402.69	0.74	-0.73	-0.47	
2,448.50	13.82	293.37	2,387.82	232.15	-413.52	-411.85	0.66	-0.66	0.14	
2,490.00	13.55	293.45	2,428.14	236.05	-422.53	-420.83	0.65	-0.65	0.21	
2,531.50	13.28	293.54	2,468.51	239.89	-431.36	-429.63	0.65	-0.65	0.22	
2,573.00	12.99	292.99	2,508.92	243.63	-440.01	-438.26	0.76	-0.70	-1.32	
2,614.50	12.74	292.00	2,549.39	247.16	-448.53	-446.75	0.80	-0.60	-2.39	
2,656.00	13.09	291.20	2,589.84	250.57	-457.15	-455.35	0.95	0.84	-1.93	
2,697.50	13.44	290.44	2,630.23	253.96	-466.06	-464.23	0.95	0.85	-1.84	
2,739.00	13.81	289.81	2,670.56	257.31	-475.23	-473.38	0.96	0.89	-1.51	
2,780.50	14.32	290.09	2,710.82	260.75	-484.71	-482.83	1.23	1.22	0.67	
2,822.00	14.82	290.35	2,750.98	264.36	-494.51	-492.60	1.23	1.22	0.63	
2,863.50	15.32	290.56	2,791.05	268.13	-504.62	-502.69	1.21	1.20	0.53	
2,905.00	15.70	290.51	2,831.04	272.03	-515.01	-513.05	0.90	0.90	-0.14	
2,946.50	16.07	290.45	2,870.96	276.00	-525.65	-523.67	0.90	0.90	-0.14	
2,988.00	16.39	290.38	2,910.80	280.05	-536.54	-534.52	0.76	0.76	-0.17	
3,029.50	15.95	290.08	2,950.66	284.05	-547.38	-545.34	1.08	-1.07	-0.72	
3,071.00	15.50	289.76	2,990.60	287.88	-557.96	-555.88	1.08	-1.06	-0.76	
3,112.50	15.11	289.45	3,030.64	291.55	-568.27	-566.16	0.98	-0.95	-0.75	
3,154.00	15.20	289.35	3,070.69	295.16	-578.50	-576.37	0.23	0.23	-0.24	
3,195.50	15.30	289.26	3,110.73	298.76	-588.80	-586.65	0.23	0.23	-0.23	
3,237.00	15.39	289.16	3,150.75	302.38	-599.17	-596.99	0.23	0.23	-0.23	
3,278.50	15.69	289.72	3,190.75	306.02	-609.62	-607.42	0.80	0.72	1.35	
3,320.00	16.37	291.40	3,230.64	310.05	-620.35	-618.11	2.00	1.65	4.05	
3,361.50	17.07	292.95	3,270.38	314.56	-631.40	-629.14	2.00	1.68	3.73	
3,403.00	17.49	293.86	3,309.99	319.52	-642.76	-640.46	1.20	1.01	2.19	
3,444.50	17.34	293.70	3,349.58	324.53	-654.13	-651.79	0.38	-0.37	-0.38	
3,486.00	17.19	293.54	3,389.22	329.46	-665.41	-663.03	0.38	-0.36	-0.38	
3,527.50	17.02	293.43	3,428.88	334.32	-676.61	-674.20	0.42	-0.41	-0.28	
3,569.00	16.80	293.42	3,468.59	339.12	-687.68	-685.24	0.52	-0.52	-0.02	
3,610.50	16.58	293.41	3,508.34	343.86	-698.62	-696.14	0.52	-0.52	-0.02	
3,652.00	16.38	293.35	3,548.13	348.53	-709.42	-706.91	0.50	-0.50	-0.14	
3,693.50	16.19	293.17	3,587.97	353.13	-720.11	-717.57	0.46	-0.44	-0.44	
3,735.00	16.01	292.98	3,627.84	357.64	-730.70	-728.12	0.46	-0.44	-0.45	
3,776.50	15.81	292.85	3,667.75	362.06	-741.18	-738.57	0.48	-0.48	-0.31	
3,818.00	15.57	292.91	3,707.70	366.43	-751.52	-748.88	0.58	-0.58	0.13	
3,859.50	15.33	292.97	3,747.70	370.74	-761.70	-759.03	0.58	-0.58	0.14	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)	
3,901.00	15.35	293.00	3,787.74	375.00	-771.75	-769.05	0.06	0.05	0.08	
3,942.50	16.20	292.95	3,827.68	379.40	-782.14	-779.40	2.04	2.04	-0.11	
3,984.00	17.05	292.91	3,867.44	384.03	-793.07	-790.30	2.04	2.04	-0.10	
4,025.50	17.69	292.91	3,907.03	388.87	-804.54	-801.73	1.55	1.55	0.00	
4,067.00	17.54	293.07	3,946.59	393.77	-816.10	-813.26	0.38	-0.36	0.38	
4,108.50	17.39	293.23	3,986.17	398.67	-827.55	-824.68	0.38	-0.36	0.38	
4,150.00	17.24	293.38	4,025.79	403.56	-838.90	-835.99	0.39	-0.38	0.37	
4,191.50	17.04	293.51	4,065.45	408.42	-850.12	-847.17	0.48	-0.47	0.31	
4,233.00	16.85	293.64	4,105.15	413.26	-861.20	-858.22	0.48	-0.47	0.31	
4,274.50	16.61	293.70	4,144.89	418.07	-872.15	-869.14	0.57	-0.57	0.14	
4,316.00	16.16	293.34	4,184.70	422.74	-882.88	-879.84	1.11	-1.08	-0.86	
4,357.50	15.71	292.96	4,224.61	427.22	-893.36	-890.28	1.11	-1.08	-0.91	
4,399.00	15.31	292.64	4,264.60	431.51	-903.58	-900.47	1.00	-0.98	-0.77	
4,440.50	15.15	292.79	4,304.64	435.72	-913.64	-910.49	0.40	-0.39	0.36	
4,482.00	14.98	292.94	4,344.72	439.91	-923.57	-920.40	0.40	-0.39	0.37	
4,523.50	14.82	293.14	4,384.82	444.08	-933.40	-930.20	0.41	-0.39	0.47	
4,565.00	14.64	293.67	4,424.96	448.27	-943.08	-939.85	0.55	-0.44	1.28	
4,606.50	13.35	297.20	4,465.19	452.54	-952.33	-949.07	3.72	-3.10	8.51	
4,648.00	11.40	304.37	4,505.72	457.05	-959.99	-956.69	5.98	-4.70	17.28	
4,689.50	9.36	315.25	4,546.54	461.76	-965.75	-962.42	6.80	-4.92	26.21	
4,731.00	7.69	331.38	4,587.59	466.61	-969.47	-966.11	6.99	-4.02	38.86	
4,772.50	6.81	354.35	4,628.76	471.50	-971.06	-967.66	7.25	-2.12	55.37	
4,814.00	7.56	24.05	4,669.95	476.44	-970.19	-966.75	9.03	1.81	71.57	
4,855.50	9.50	42.89	4,710.99	481.45	-966.68	-963.21	8.13	4.67	45.38	
4,897.00	11.82	54.17	4,751.78	486.47	-960.91	-957.41	7.49	5.58	27.20	
4,938.50	14.34	65.35	4,792.20	491.10	-952.79	-949.25	8.58	6.07	26.94	
4,980.00	16.47	75.05	4,832.18	494.89	-942.34	-938.78	8.04	5.14	23.37	
5,021.50	18.42	84.14	4,871.78	497.05	-930.15	-926.57	8.06	4.70	21.90	
5,063.00	22.11	86.53	4,910.71	498.19	-915.83	-912.24	9.11	8.89	5.76	
5,104.50	25.87	86.99	4,948.62	499.05	-898.98	-895.39	9.07	9.06	1.11	
5,146.00	29.68	86.40	4,985.33	500.17	-879.68	-876.08	9.20	9.17	-1.43	
5,187.50	33.57	86.85	5,020.66	501.45	-857.96	-854.35	9.38	9.36	1.09	
5,229.00	37.20	87.43	5,054.46	502.67	-833.93	-830.31	8.80	8.77	1.39	
5,270.50	40.58	88.13	5,086.76	503.67	-807.90	-804.27	8.20	8.13	1.69	
5,312.00	43.74	88.95	5,117.52	504.38	-780.05	-776.42	7.74	7.62	1.99	
5,353.50	47.18	89.67	5,146.66	504.72	-750.51	-746.88	8.39	8.30	1.74	
5,395.00	50.92	90.30	5,173.85	504.72	-719.18	-715.55	9.07	9.00	1.50	
5,436.50	54.67	90.63	5,198.94	504.45	-686.13	-682.50	9.07	9.05	0.80	
5,478.00	58.04	90.70	5,221.86	504.02	-651.54	-647.92	8.12	8.12	0.17	
5,519.50	60.95	90.51	5,242.92	503.64	-615.79	-612.17	7.03	7.02	-0.46	
5,561.00	61.01	90.44	5,263.02	503.33	-579.48	-575.87	0.20	0.14	-0.15	
5,602.50	60.90	90.25	5,283.17	503.12	-543.20	-539.59	0.49	-0.27	-0.47	
5,644.00	60.81	89.99	5,303.37	503.03	-506.95	-503.34	0.60	-0.22	-0.64	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)	
5,685.50	60.77	90.00	5,323.62	503.04	-470.73	-467.12	0.11	-0.11	0.03	
5,727.00	61.65	90.07	5,343.77	503.03	-434.45	-430.84	2.14	2.13	0.18	
5,768.50	63.70	90.25	5,362.82	502.93	-397.58	-393.98	4.94	4.92	0.43	
5,810.00	67.75	90.64	5,379.92	502.64	-359.78	-356.18	9.81	9.77	0.95	
5,851.50	71.62	90.78	5,394.27	502.11	-320.85	-317.25	9.34	9.33	0.32	
5,893.00	75.07	90.57	5,406.14	501.63	-281.10	-277.50	8.31	8.30	-0.48	
5,934.50	77.72	90.06	5,415.91	501.41	-240.77	-237.17	6.50	6.38	-1.24	
5,976.00	81.56	89.49	5,423.54	501.56	-199.98	-196.39	9.35	9.25	-1.38	
6,017.50	85.73	88.97	5,428.00	502.14	-158.74	-155.14	10.12	10.04	-1.24	
6,018.55	85.77	88.97	5,428.07	502.16	-157.69	-154.09	4.09	4.08	-0.10	
BNT 2 STATE COM FTP p2 2310FNL_100FWL										
6,059.00	87.42	88.93	5,430.48	502.90	-117.32	-113.72	4.09	4.08	-0.10	
6,100.50	89.06	89.10	5,431.74	503.63	-75.85	-72.24	3.98	3.96	0.41	
6,142.00	90.15	89.24	5,431.89	504.20	-34.35	-30.74	2.63	2.61	0.33	
6,183.50	89.90	89.11	5,431.87	504.80	7.14	10.75	0.68	-0.61	-0.32	
6,225.00	89.65	88.98	5,432.04	505.49	48.64	52.25	0.68	-0.61	-0.32	
6,266.50	89.32	88.75	5,432.40	506.30	90.13	93.75	0.96	-0.79	-0.56	
6,308.00	88.89	88.38	5,433.05	507.34	131.61	135.24	1.36	-1.03	-0.88	
6,349.50	88.46	88.01	5,434.01	508.64	173.08	176.71	1.36	-1.03	-0.88	
6,391.00	88.57	88.37	5,435.17	510.08	214.54	218.18	0.89	0.25	0.85	
6,432.50	89.15	89.36	5,436.00	510.90	256.02	259.67	2.76	1.39	2.39	
6,474.00	89.72	90.35	5,436.41	511.01	297.52	301.16	2.76	1.40	2.39	
6,515.50	89.82	90.63	5,436.52	510.57	339.01	342.66	0.72	0.23	0.68	
6,557.00	89.67	90.55	5,436.70	510.14	380.51	384.15	0.40	-0.36	-0.19	
6,598.50	89.53	90.47	5,436.99	509.77	422.01	425.64	0.40	-0.36	-0.19	
6,640.00	89.23	90.26	5,437.43	509.50	463.50	467.14	0.89	-0.72	-0.52	
6,681.50	88.90	90.01	5,438.11	509.40	505.00	508.63	0.99	-0.80	-0.59	
6,723.00	88.56	89.77	5,439.03	509.48	546.49	550.12	0.99	-0.80	-0.59	
6,764.50	89.12	89.73	5,439.89	509.67	587.98	591.61	1.34	1.33	-0.10	
6,806.00	89.74	89.70	5,440.30	509.87	629.48	633.11	1.50	1.50	-0.06	
6,847.50	90.34	89.68	5,440.27	510.10	670.97	674.61	1.45	1.45	-0.06	
6,889.00	90.28	89.74	5,440.04	510.30	712.47	716.11	0.21	-0.14	0.15	
6,930.50	90.22	89.80	5,439.86	510.47	753.97	757.61	0.20	-0.14	0.15	
6,972.00	90.16	89.84	5,439.72	510.59	795.47	799.11	0.19	-0.16	0.09	
7,013.50	90.01	89.67	5,439.66	510.77	836.97	840.61	0.56	-0.36	-0.42	
7,055.00	89.86	89.49	5,439.71	511.07	878.47	882.11	0.56	-0.36	-0.42	
7,096.50	89.71	89.33	5,439.87	511.50	919.97	923.60	0.53	-0.37	-0.38	
7,138.00	89.53	89.37	5,440.15	511.97	961.46	965.10	0.44	-0.43	0.09	
7,179.50	89.35	89.41	5,440.56	512.41	1,002.96	1,006.60	0.44	-0.43	0.09	
7,221.00	89.20	89.45	5,441.09	512.83	1,044.45	1,048.10	0.39	-0.37	0.11	
7,262.50	89.27	89.60	5,441.65	513.18	1,085.95	1,089.59	0.38	0.17	0.34	
7,304.00	89.34	89.74	5,442.15	513.42	1,127.45	1,131.09	0.38	0.17	0.34	
7,345.50	89.43	89.86	5,442.60	513.56	1,168.94	1,172.59	0.37	0.21	0.31	
7,387.00	89.74	89.78	5,442.90	513.69	1,210.44	1,214.09	0.79	0.76	-0.21	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)
7,428.50	90.06	89.69	5,442.97	513.88	1,251.94	1,255.59	0.79	0.76	-0.21
7,470.00	90.36	89.61	5,442.81	514.13	1,293.44	1,297.09	0.75	0.72	-0.20
7,511.50	90.36	89.65	5,442.55	514.40	1,334.94	1,338.59	0.10	0.00	0.10
7,553.00	90.36	89.69	5,442.29	514.64	1,376.44	1,380.08	0.10	0.00	0.10
7,594.50	90.36	89.73	5,442.03	514.85	1,417.94	1,421.58	0.09	0.00	0.09
7,636.00	90.34	89.81	5,441.77	515.01	1,459.43	1,463.08	0.19	-0.04	0.18
7,677.50	90.33	89.88	5,441.53	515.13	1,500.93	1,504.58	0.18	-0.04	0.18
7,719.00	90.30	89.95	5,441.30	515.19	1,542.43	1,546.08	0.17	-0.07	0.16
7,760.50	89.99	89.85	5,441.20	515.26	1,583.93	1,587.58	0.77	-0.74	-0.22
7,802.00	89.68	89.76	5,441.32	515.40	1,625.43	1,629.08	0.77	-0.74	-0.22
7,843.50	89.38	89.67	5,441.66	515.61	1,666.93	1,670.58	0.76	-0.73	-0.22
7,885.00	89.22	89.59	5,442.17	515.87	1,708.43	1,712.07	0.42	-0.38	-0.19
7,926.50	89.07	89.52	5,442.79	516.20	1,749.92	1,753.57	0.42	-0.38	-0.18
7,968.00	88.91	89.44	5,443.52	516.57	1,791.41	1,795.06	0.42	-0.38	-0.18
8,009.50	88.88	89.53	5,444.32	516.95	1,832.90	1,836.55	0.23	-0.07	0.21
8,051.00	88.85	89.62	5,445.14	517.26	1,874.39	1,878.05	0.23	-0.07	0.21
8,092.50	88.82	89.71	5,445.98	517.50	1,915.88	1,919.54	0.23	-0.07	0.21
8,134.00	89.32	89.59	5,446.66	517.75	1,957.38	1,961.03	1.24	1.21	-0.29
8,175.50	89.84	89.46	5,446.97	518.10	1,998.87	2,002.53	1.29	1.26	-0.31
8,217.00	90.36	89.33	5,446.89	518.54	2,040.37	2,044.03	1.29	1.26	-0.31
8,258.50	90.29	89.32	5,446.64	519.04	2,081.87	2,085.53	0.19	-0.19	-0.02
8,300.00	90.18	89.31	5,446.48	519.53	2,123.37	2,127.03	0.26	-0.26	-0.01
8,341.50	90.07	89.31	5,446.39	520.03	2,164.86	2,168.53	0.26	-0.26	-0.01
8,383.00	90.07	89.40	5,446.34	520.50	2,206.36	2,210.03	0.23	0.00	0.23
8,424.50	90.07	89.50	5,446.29	520.89	2,247.86	2,251.53	0.24	0.02	0.24
8,466.00	90.08	89.60	5,446.24	521.22	2,289.36	2,293.03	0.24	0.02	0.24
8,507.50	89.87	89.58	5,446.25	521.51	2,330.86	2,334.53	0.50	-0.50	-0.06
8,549.00	89.65	89.54	5,446.42	521.83	2,372.35	2,376.03	0.54	-0.54	-0.09
8,590.50	89.43	89.50	5,446.75	522.18	2,413.85	2,417.53	0.54	-0.54	-0.09
8,632.00	89.25	89.38	5,447.23	522.58	2,455.35	2,459.02	0.52	-0.43	-0.29
8,673.50	89.08	89.25	5,447.84	523.07	2,496.84	2,500.52	0.52	-0.42	-0.31
8,715.00	88.90	89.13	5,448.57	523.66	2,538.33	2,542.01	0.52	-0.42	-0.31
8,756.50	89.47	89.05	5,449.20	524.32	2,579.82	2,583.50	1.38	1.37	-0.19
8,798.00	90.14	88.97	5,449.34	525.04	2,621.31	2,625.00	1.63	1.62	-0.18
8,839.50	90.81	88.90	5,448.99	525.81	2,662.80	2,666.50	1.63	1.62	-0.18
8,881.00	90.75	88.87	5,448.39	526.62	2,704.29	2,707.99	0.15	-0.14	-0.07
8,922.50	90.59	88.85	5,447.90	527.45	2,745.78	2,749.48	0.41	-0.40	-0.06
8,964.00	90.42	88.82	5,447.54	528.29	2,787.27	2,790.98	0.41	-0.40	-0.06
9,005.50	90.32	88.78	5,447.28	529.16	2,828.76	2,832.47	0.26	-0.24	-0.12
9,047.00	90.24	88.72	5,447.08	530.07	2,870.25	2,873.97	0.24	-0.20	-0.13
9,088.50	90.15	88.67	5,446.93	531.01	2,911.74	2,915.46	0.24	-0.20	-0.13
9,130.00	90.12	88.69	5,446.84	531.97	2,953.23	2,956.96	0.09	-0.07	0.05
9,171.50	90.10	88.72	5,446.76	532.91	2,994.72	2,998.45	0.09	-0.05	0.08

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)
9,213.00	90.08	88.75	5,446.69	533.83	3,036.21	3,039.95	0.09	-0.05	0.08
9,254.50	90.21	88.82	5,446.59	534.71	3,077.70	3,081.44	0.34	0.30	0.16
9,296.00	90.37	88.90	5,446.38	535.53	3,119.19	3,122.94	0.43	0.38	0.18
9,337.50	90.53	88.97	5,446.06	536.30	3,160.68	3,164.44	0.43	0.38	0.18
9,379.00	90.49	88.93	5,445.68	537.05	3,202.17	3,205.93	0.14	-0.10	-0.10
9,420.50	90.39	88.86	5,445.36	537.85	3,243.66	3,247.43	0.28	-0.22	-0.17
9,462.00	90.30	88.80	5,445.11	538.70	3,285.15	3,288.92	0.28	-0.22	-0.17
9,503.50	90.30	88.81	5,444.90	539.57	3,326.64	3,330.42	0.04	-0.01	0.04
9,545.00	90.32	88.85	5,444.68	540.42	3,368.13	3,371.91	0.11	0.05	0.10
9,586.50	90.34	88.89	5,444.44	541.23	3,409.62	3,413.41	0.11	0.05	0.10
9,628.00	90.34	88.90	5,444.20	542.03	3,451.12	3,454.91	0.03	0.01	0.02
9,669.50	90.34	88.90	5,443.95	542.83	3,492.61	3,496.40	0.00	0.00	0.00
9,711.00	90.34	88.90	5,443.70	543.62	3,534.10	3,537.90	0.00	0.00	0.00
9,752.50	90.34	89.16	5,443.46	544.35	3,575.59	3,579.40	0.63	0.00	0.63
9,794.00	90.34	89.52	5,443.21	544.83	3,617.09	3,620.89	0.88	0.00	0.88
9,835.50	90.34	89.89	5,442.96	545.04	3,658.59	3,662.39	0.88	0.00	0.88
9,877.00	90.18	90.06	5,442.76	545.04	3,700.09	3,703.89	0.57	-0.39	0.41
9,918.50	89.95	90.15	5,442.71	544.96	3,741.59	3,745.39	0.59	-0.55	0.21
9,960.00	89.72	90.24	5,442.83	544.82	3,783.09	3,786.89	0.59	-0.55	0.21
10,001.50	89.35	90.31	5,443.15	544.62	3,824.58	3,828.38	0.91	-0.89	0.16
10,043.00	88.90	90.36	5,443.78	544.38	3,866.08	3,869.88	1.09	-1.09	0.13
10,084.50	88.45	90.42	5,444.74	544.10	3,907.57	3,911.36	1.09	-1.09	0.13
10,126.00	88.17	90.51	5,445.99	543.77	3,949.05	3,952.84	0.71	-0.68	0.22
10,167.50	88.01	90.62	5,447.37	543.36	3,990.52	3,994.31	0.47	-0.38	0.28
10,209.00	87.85	90.74	5,448.87	542.87	4,031.99	4,035.77	0.47	-0.38	0.28
10,250.50	88.10	90.62	5,450.39	542.34	4,073.46	4,077.24	0.65	0.58	-0.29
10,292.00	88.61	90.33	5,451.59	541.99	4,114.94	4,118.71	1.42	1.25	-0.69
10,333.50	89.13	90.05	5,452.40	541.85	4,156.43	4,160.20	1.42	1.25	-0.69
10,375.00	89.36	89.89	5,452.90	541.90	4,197.93	4,201.70	0.68	0.56	-0.38
10,416.50	89.37	89.83	5,453.36	542.00	4,239.43	4,243.20	0.14	0.02	-0.14
10,458.00	89.38	89.78	5,453.81	542.14	4,280.92	4,284.69	0.14	0.02	-0.14
10,499.50	89.32	89.74	5,454.28	542.32	4,322.42	4,326.19	0.15	-0.13	-0.08
10,541.00	89.22	89.72	5,454.80	542.51	4,363.92	4,367.69	0.25	-0.25	-0.04
10,582.50	89.12	89.71	5,455.40	542.72	4,405.41	4,409.18	0.25	-0.25	-0.04
10,624.00	89.17	89.92	5,456.05	542.89	4,446.91	4,450.68	0.53	0.11	0.52
10,665.50	89.36	90.36	5,456.58	542.79	4,488.40	4,492.17	1.16	0.46	1.06
10,707.00	89.55	90.81	5,456.97	542.36	4,529.90	4,533.66	1.16	0.46	1.06
10,748.50	89.58	90.69	5,457.26	541.71	4,571.39	4,575.15	0.28	0.07	-0.27
10,790.00	89.41	89.89	5,457.62	541.50	4,612.89	4,616.65	1.98	-0.42	-1.94
10,831.50	89.23	89.09	5,458.12	541.87	4,654.39	4,658.14	1.98	-0.42	-1.94
10,873.00	89.08	88.58	5,458.73	542.78	4,695.87	4,699.63	1.27	-0.36	-1.22
10,914.50	88.97	88.46	5,459.44	543.85	4,737.35	4,741.12	0.40	-0.27	-0.29
10,956.00	88.86	88.34	5,460.23	545.01	4,778.83	4,782.60	0.40	-0.27	-0.29

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H 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)	
10,997.50	88.73	88.18	5,461.10	546.26	4,820.30	4,824.08	0.49	-0.30	-0.39	
11,039.00	88.59	87.95	5,462.07	547.67	4,861.76	4,865.56	0.64	-0.34	-0.54	
11,080.50	88.45	87.73	5,463.14	549.23	4,903.22	4,907.03	0.64	-0.34	-0.54	
11,099.25	88.44	87.72	5,463.65	549.97	4,921.95	4,925.76	0.08	-0.05	-0.07	
BNT 2 STATE COM LTP p2 2310FNL_100FEL										
11,122.00	88.43	87.70	5,464.28	550.89	4,944.67	4,948.49	0.08	-0.05	-0.07	
11,149.00	88.43	87.70	5,465.02	551.98	4,971.64	4,975.46	0.00	0.00	0.00	
BNT 2 STATE COM 21H PBHL p2 2310FNL_50FEL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		
- hit/miss target										
- Shape								Longitude		
BNT 2 STATE COM 21H	0.00	0.00	0.00	0.00	0.00	678,086.200	690,331.200	32.8631401		
- actual wellpath hits target center										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	4,441.41	450.00	-947.00	678,536.200	689,384.200	32.8643889		
- actual wellpath misses target center by 0.08usft at 4582.00usft MD (4441.43 TVD, 450.01 N, -946.92 E)										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,412.02	501.46	-257.83	678,587.660	690,073.371	32.8645217		
- actual wellpath hits target center										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,421.30	501.46	-213.77	678,587.663	690,117.427	32.8645211		
- actual wellpath misses target center by 0.14usft at 5962.03usft MD (5421.16 TVD, 501.47 N, -213.75 E)										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,428.11	502.17	-157.24	678,588.368	690,173.957	32.8645223		
- actual wellpath hits target center										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,460.00	549.00	4,972.10	678,635.200	695,303.300	32.8645852		
- actual wellpath misses target center by 5.85usft at 11149.00usft MD (5465.02 TVD, 551.98 N, 4971.64 E)										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,463.66	549.99	4,922.20	678,636.189	695,253.398	32.8645886		
- actual wellpath misses target center by 0.01usft at 11099.50usft MD (5463.66 TVD, 549.98 N, 4922.20 E)										
- Point										
BNT 2 STATE COM 21H	0.00	0.00	5,465.02	551.98	4,971.64	678,638.175	695,302.840	32.8645934		
- actual wellpath hits target center										
- Point										

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well BNT 2 STATE COM 21H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3978+20 @ 3998.00usft (AKITA)
Site:	BIG N TASTY 2 STATE COM	MD Reference:	3978+20 @ 3998.00usft (AKITA)
Well:	BNT 2 STATE COM 21H	North Reference:	Grid
Wellbore:	21H OH	Survey Calculation Method:	Minimum Curvature
Design:	21H OH AsDrilled	Database:	PRIME_EDM

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,582.00	4,441.41	450.00	-947.00	ESTKOP 2353FNL_691FEL	
5,917.00	5,412.02	501.46	-257.83	SECX 2299FNL_0FWL/FEL	
5,962.03	5,421.30	501.46	-213.77	80° 2299FNL_44FWL	
6,019.00	5,428.11	502.17	-157.24	FTP 2299FNL_100FWL	
11,099.50	5,463.66	549.99	4,922.20	LTP 2307FNL_100FEL	
11,149.00	5,465.02	551.98	4,971.64	TD 2307FNL_51FEL	

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 30-015-		² Pool Code 26770	³ Pool Name FREN; GLORIETA-YESO
⁴ Property Code	⁵ Property Name BIG N TASTY 2 STATE COM		⁶ Well Number 21H
⁷ OGRID NO. 328947	⁸ Operator Name SPUR ENERGY PARTNERS LLC.		⁹ Elevation 3978'

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
L	2	17S	31E		2445	SOUTH	255	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
H	2	17S	31E		2310	NORTH	50	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
319.6			

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

GEODETIC DATA
NAD 83 GRID – NM EAST

SURFACE LOCATION (SL)
N: 678086.2 – E: 690331.2
LAT: 32.8631400° N
LONG: 103.8480917° W

KICK OFF POINT (KOP) – SEC 3
2372' FNL & 695' FEL
N: 678531.1 – E: 689378.6
LAT: 32.8643750° N
LONG: 103.8511874° W

FIRST TAKE POINT (FTP) – SEC 2
2310' FNL & 100' FWL
N: 678598.9 – E: 690173.2
LAT: 32.8645513° N
LONG: 103.8485984° W

LAST TAKE POINT (LTP) – SEC 2
2310' FNL & 100' FEL
N: 678634.9 – E: 695253.3
LAT: 32.8645850° N
LONG: 103.8320534° W

BOTTOM HOLE (BH) – SEC 2
N: 678635.2 – E: 695303.3
LAT: 32.8645853° N
LONG: 103.8318906° W

CORNER DATA
NAD 83 GRID – NM EAST

A: FOUND 1/2" REBAR
N: 675594.5 – E: 684811.1

B: CALCULATED CORNER
N: 680870.9 – E: 684780.1

C: FOUND BRASS CAP "1916"
N: 680888.4 – E: 687419.6

D: FOUND BRASS CAP "1916"
N: 680907.6 – E: 690060.3

E: FOUND BRASS CAP "1916"
N: 680926.1 – E: 692700.3

F: FOUND BRASS CAP "1916"
N: 680945.0 – E: 695340.9

G: FOUND BRASS CAP "1916"
N: 678307.8 – E: 695355.0

H: FOUND BRASS CAP "1916"
N: 675668.0 – E: 695369.9

I: FOUND BRASS CAP "1916"
N: 675650.7 – E: 692730.3

J: FOUND BRASS CAP "1916"
N: 675630.4 – E: 690091.1

K: FOUND BRASS CAP "1916"
N: 678270.8 – E: 690075.1

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.

Sarah Chapman

05/16/2023

Signature

Date

SARAH CHAPMAN

Printed Name

SCHAPMAN@SPURENERGY.COM

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.

11-04-2020

Date of Survey

Signature and Seal of Professional Surveyor

19680

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Bottom Hole Location: Prime Solution Services MWD Original hole: Final Station 11086MD Displacement = 4939.37' at a 83.61° azm
API # 30-015-54045

Bottom Hole Location: Prime Solution Services MWD Original
hole: Final Station 11086MD Displacement = 4939.37' at a 83.61° azm
API # 30-015-54045

Job No.: LS20100607R3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Section 1 - Operator and Well Information

Submittal Type: ☒ New Well ☐ Workover ☐ Deepening ☐ Plugback ☐ Different Reservoir ☐ C-144 Closure Attachment ☐ Other	
Operator Name: SPUR ENERGY PARTNERS LLC	OGRID: 328947
Property Name and Well Number: BIG N TASTY 2 STATE COM 21H	Property Code: 334578
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-54045
Pool Name: FREN; GLORIETA-YESO	Pool Code: 26770

Section 2 – Well Location										
	Ul or lot no.	Section	Township	Range	Lot Id	Feet from	N/S Line	Feet from	E/W Line	County
SHL:	L	2	17S	31E		2455	SOUTH	255	WEST	EDDY
BHL	H	2	17S	31E		2307	NORTH	50	EAST	EDDY

Section 3 – Completion Information

Date T.D. Reached 05/04/2024	Total Measured Depth of Well 11149'M/5465'V	Acid Volume (bbls) 856	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 05/06/2024	Plug-Back Measured Depth 11107'M/5465'V	Completion Fluid Used (bbls) 297,533	Were Logs Ran (Y/N) Y
Completion Date 09/06/2024	Perforations (MD and TVD) 6067'M-11083'M/5431'V-5463'V	Completion Proppant Used (lbs) 5,068,640	List Type of Logs Ran if applicable: GAMMA

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 339683	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID: 342806	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID:	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 344755	Cement Squeeze Action ID (if applicable):
Tubing Action ID: PENDING BLM APPROVAL	All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No
Liner 1 Action ID:	Casing was installed prior to Action ID system (Y/N): N

Section 5 – Test Data

Date First Production 10/10/2024	Production Method PUMPING ON ESP	Well Status PRODUCING	Gas – Oil Ratio
Date of Test 12/01/2024	Choke Size N/A	Flowing Tubing Pressure 167	Casing Pressure 51
24 hr Oil (bbls) 516	24 hr Gas (MCF) 436	24 hr Water (bbls) 2009	Oil Gravity - API
Disposition of Gas: SOLD			

Section 6 – Pits

☐ A temporary pit was used at the well. If so, attach a plat with the location of the temporary pit.
☒ A Closed Loop System was used.
☐ If an on-site burial was used at the well, report the exact location of the on-site burial:
LAT: _____ LONG: _____

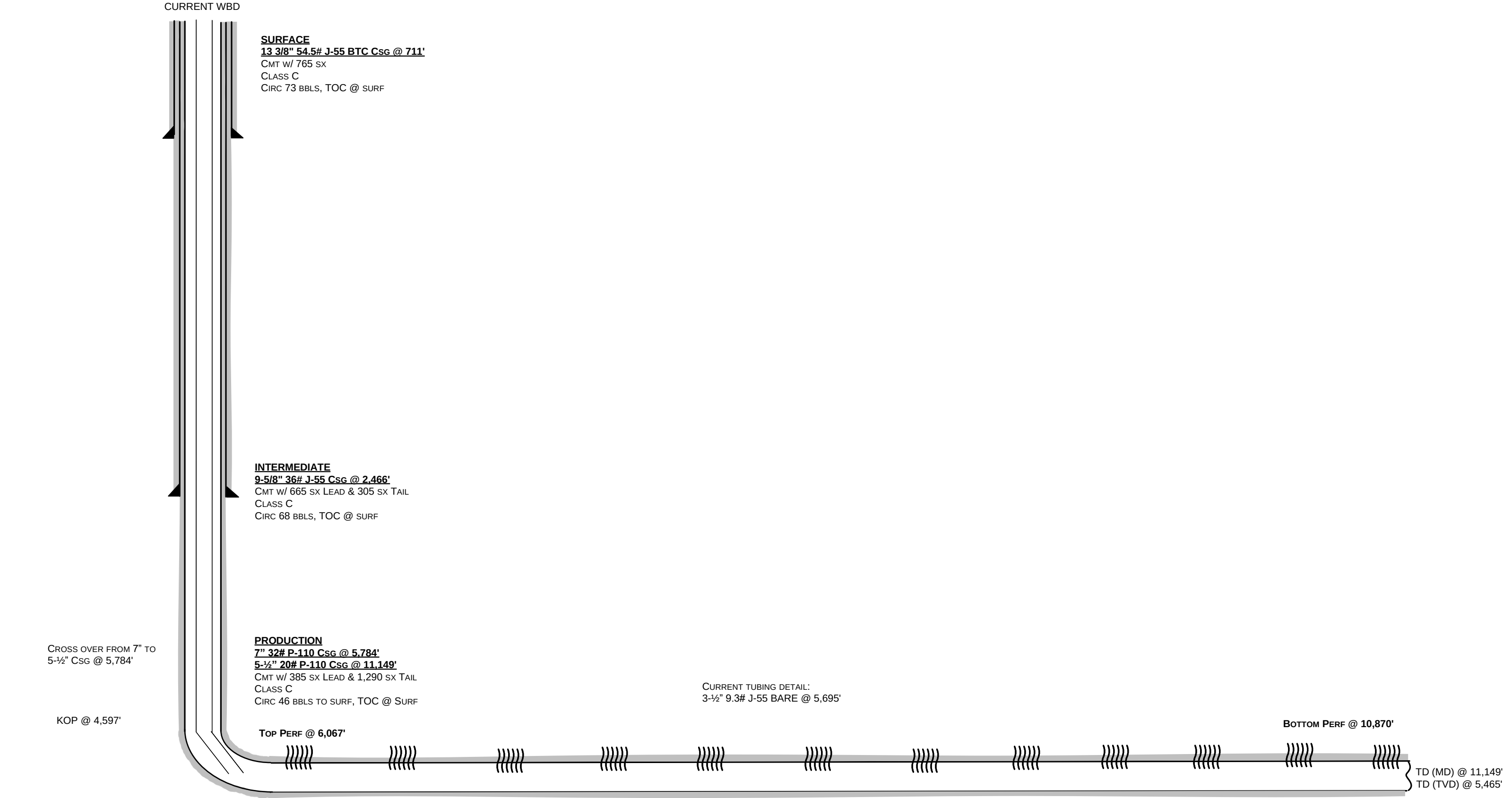
Section 7 - Operator Signature and Certification

☒ 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 Sarah Chapman	
Title REGULATORY DIRECTOR	Date 12/30/2024

South Formations				North Formations			
Formation/Zone	MD	TVD	W/O/G	Formation/Zone	MD	TVD	W/O/G
T. Anhy				T. San Jose			
T. Salt	855	855	SALT	T. Nacimiento			
B. Salt	1812	1812	SALT	T. Ojo Alamo			
T. Yates	1984	1984	NONE	T. Kirtland			
T. 7 Rivers	2288	2261	O/G	T. Fruitland			
T. Queen	2900	2850	O/G	T. Pictured Cliffs			
T. Grayburg	3315	3290	O/G	T. Lewis Shale			
T. San Andres	3612	3550	O/G	T. Chacra			
T. Glorieta	5108	4950	O/G	T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock	5205	5150	O/G	T. Point Lookout			
T. Blinebry				T. Mancos			
T.Tubb				T. Gallup			
T. Drinkard				T. Greenhorn			
T. Abo				T. Graneros			
T. Wolfcamp				T. Dakota			
T. Penn				T. Morrison			
T. Cisco				T. Bluff			
T. Canyon				T.Todilto			
T. Strawn				T. Entrada			
T. Atoka				T. Wingate			
T. Morrow				T. Chinle			
T. Barnett Shale				T. Permian			
T. Miss				T. Penn A"			
T. Woodford Shale				T. Penn. "B"			
T. Devonian				T. Penn. "C"			
T. Silurian				T. Penn. "D"			
T. Fusselman				T. Leadville			
T. Montoya				T. Madison			
T. Simpson				T. Elbert			
T. McKee				T. McCracken			
T. Waddell				T. Ignacio Otzte			
T. Connel				T. Granite			
T. Ellenburger				T. Hermosa			
T. Gr. Wash				T. De Chelly			
T. Delaware Sand				T. Pinkerton			
T. Lamar Lime							
T. Bell Canyon							
T. Cherry Canyon							
T. Brushy Canyon							
T. Bone Springs							
T. 1st BS Sand							
T. 2nd BS Carbonate							
T. 2nd BS Sand							
T. 3rd BS Carbonate							
T. 3rd BS Sand							

Eddy County, NM
API# 30-015-54045

SPUD DATE: 04/29/2024
ELEV: 3,978' GL, 20' KB



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 417179

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 417179
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

ACKNOWLEDGMENTS

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☒	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 417179

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	Action Number: 417179
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CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 within 10 days of BLM Approval.	2/12/2025