

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: 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	Ready Date	Perforations MD	Perforations TVD
PUMPING ON ESP	09/24/2024	~6019'-11099'	~5428'-5464

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.
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 WILL TEST PROD CASING WHEN FRAC MOVES IN	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	Date
REGULATORY DIRECTOR	09/24/2024

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 320	Infill or Defining Well INFILL	Defining Well API 30-015-54046	Overlapping Spacing Unit (Y/N) N	Consolidation Code COMMUNITIZATION
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 2321 FNL	Ft. from E/W 101 FWL	Latitude 32.8645223°N	Longitude 103.8485962°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 100 FEL	Latitude 32.8645885°N	Longitude 103.8320547°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3977' GR
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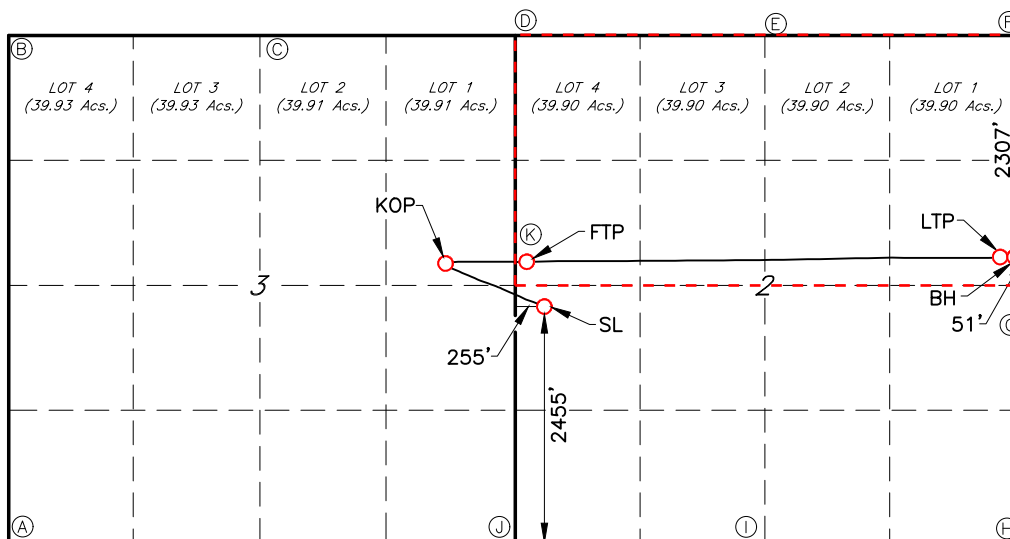
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the 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> <i>Sarah Chapman</i> 09/09/2024 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>Dale E. Bell</i> Certificate Number 14400 Date of Survey 05/31/2024	
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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.



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)
2321' FNL & 101' FWL - SEC.2
N: 678588.4 - E: 690174.0
LAT: 32.8645223° N
LONG: 103.8485962° W
MD: 6019.0' - TVD: 5428.0'

LAST TAKE POINT (LTP)
2309' FNL & 100' FEL - SEC.2
N: 678636.2 - E: 695252.9
LAT: 32.8645885° N
LONG: 103.8320547° W
MD: 11099.0' - TVD: 5463.7'

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

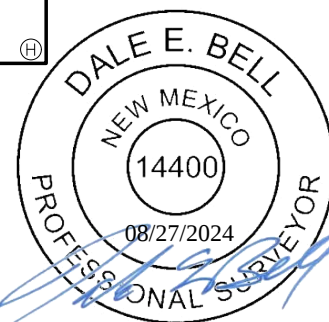
G: FOUND BRASS CAP "1916"
N: 678307.8 - E: 695355.0

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

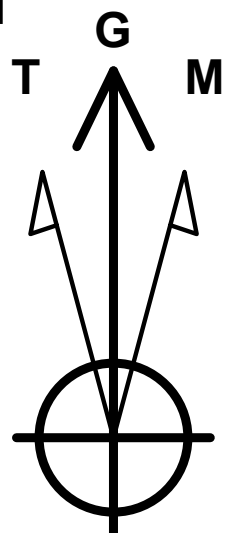
Matt Simpson
MWD Operations Manager

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

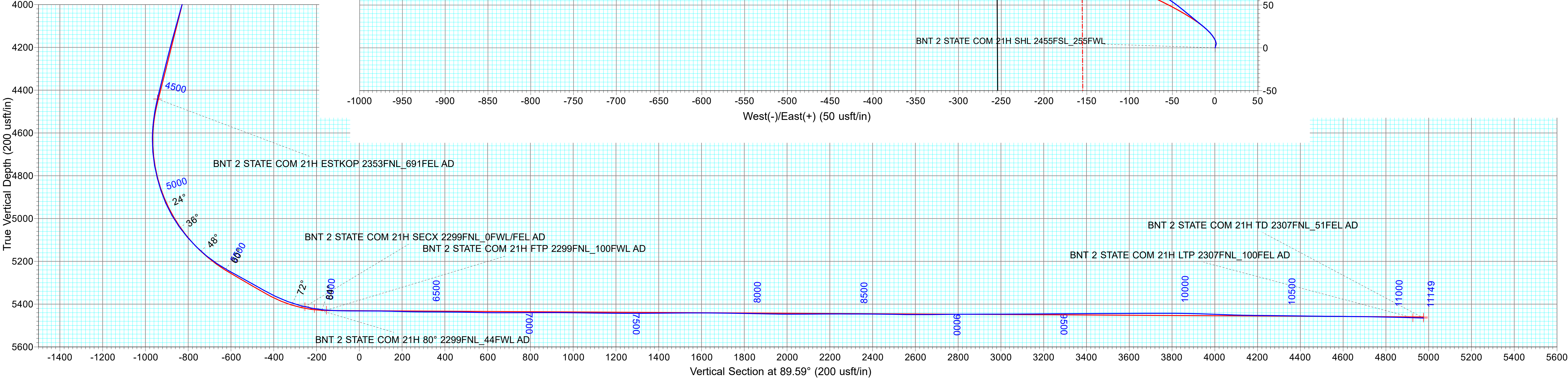
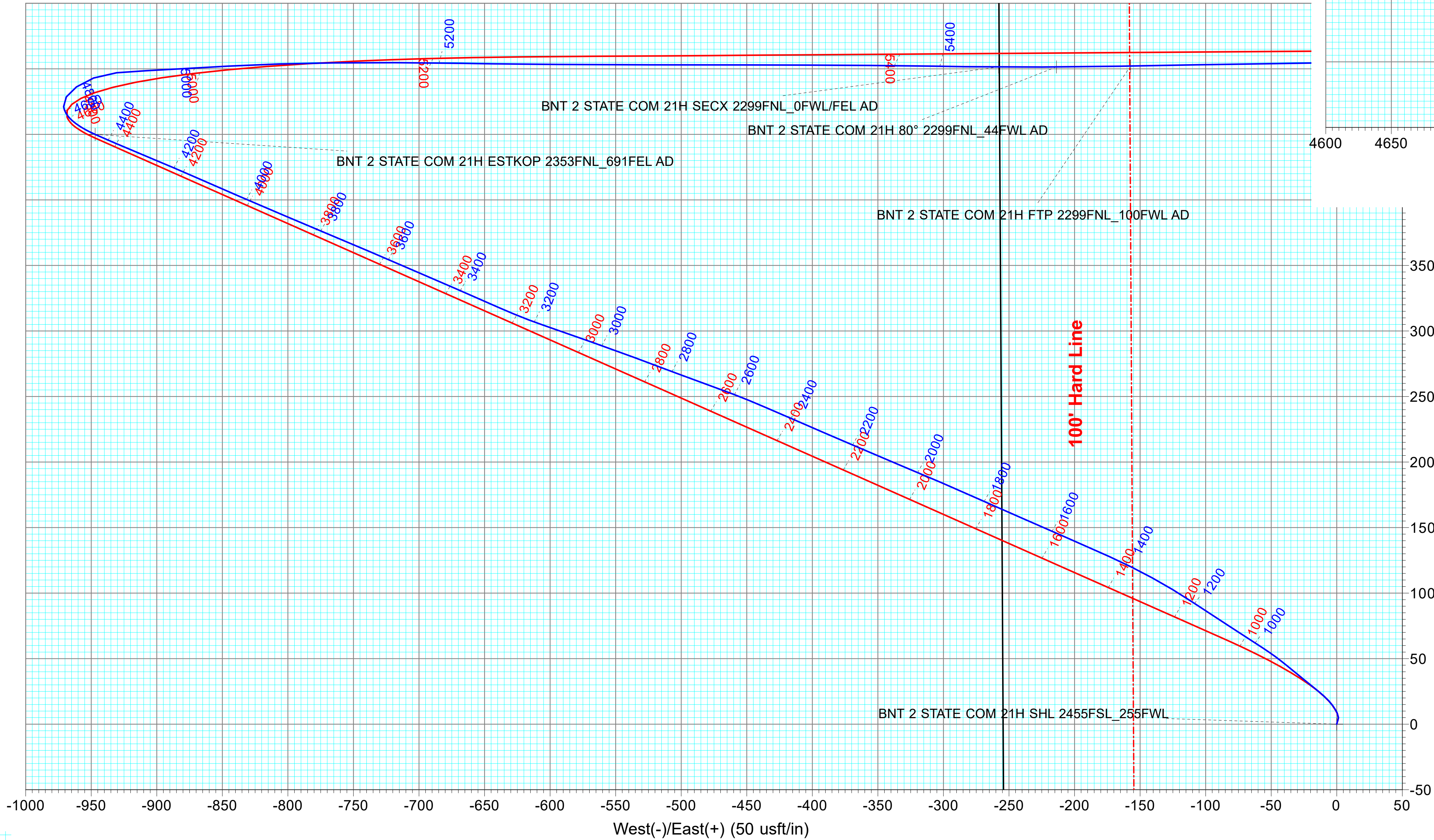
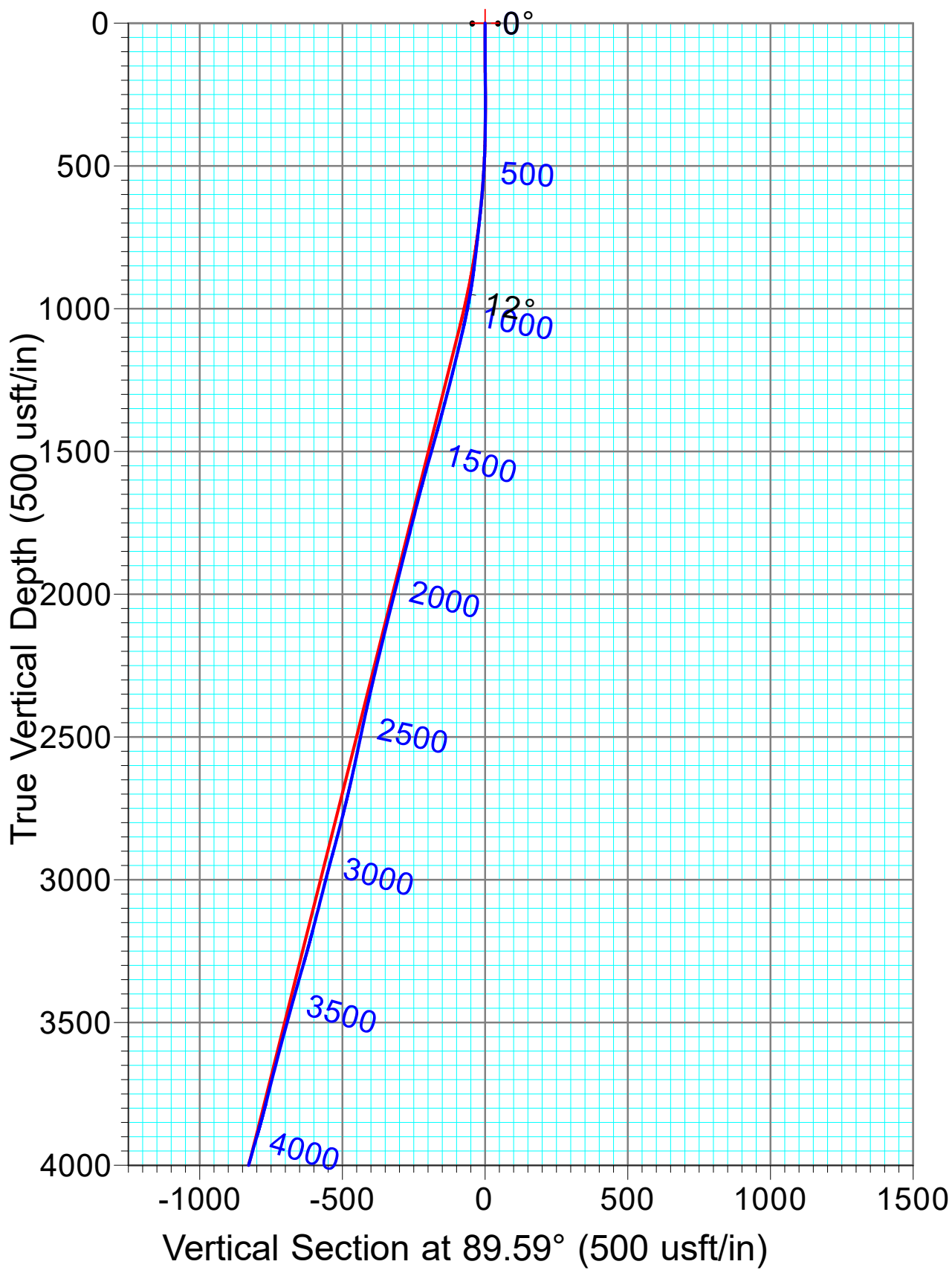
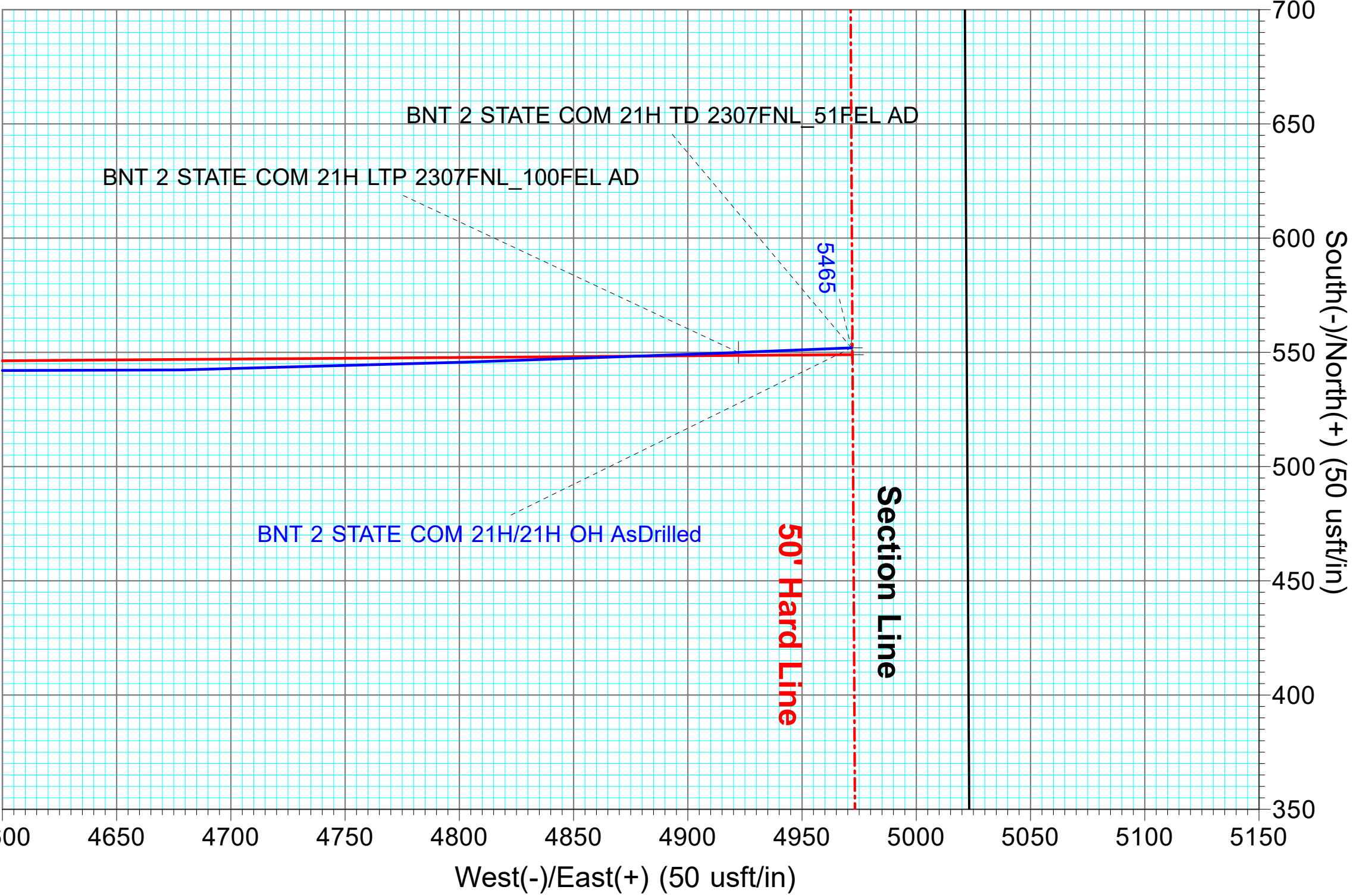
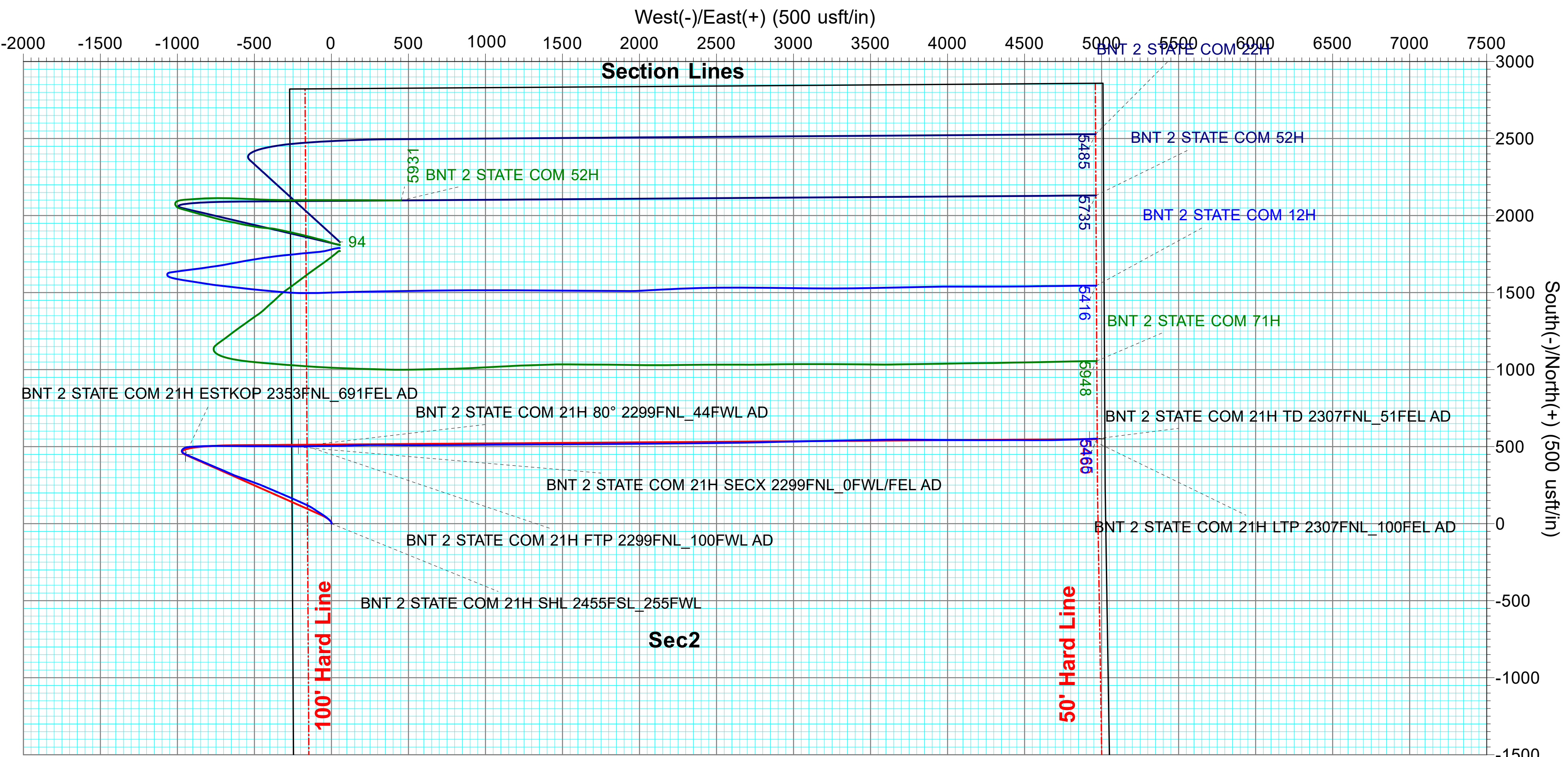
Magnetic North is 6.46° East of Grid North (Magnetic Convergence)
Magnetic North is 6.72° East of True North (Magnetic Declination)
To convert a Magnetic Direction to a Grid Direction, Add 6.46°

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										
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude		Longitude
- Shape										
BNT 2 STATE COM 21H	0.00	0.00	0.00	0.00	0.00	678,086.200	690,331.200	32.8631401		-103.8480917
- 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		-103.8511691
- 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		-103.8489238
- 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		-103.8487804
- 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		-103.8485962
- 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		-103.8318906
- 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		-103.8320531
- 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		-103.8318921
- 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 319.6	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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: 332.8643750° 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. <i>Sarah Chapman</i> 05/16/2023 Signature Date SARAH CHAPMAN Printed Name SCHAPMAN@SPURENERGY.COM E-mail Address
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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	9680 Certificate Number EV: ADD KOP - 05/09/2023
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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

Job No.: LS20100607R3

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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 386052

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 386052
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☒	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 386052

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 386052
	Action Type: [C-104] Completion Packet - Test Allowable (C-104RT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	RT EXPIRES 12/24/2024.	10/9/2024
plmartinez	C-102 -Future submittal needs to indicate Consolidation Code.	10/9/2024