

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
---	--	---

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: WAUKEE 36 STATE COM 2H	Property Code: 331679
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-49020
Pool Name: RED LAKE; GLORIETA-YESO, NORTHEAST	Pool Code: 96836

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	31	17S	28E	4	775' FSL	745' FWL	32.7854290	-104.2210961	EDDY

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
PUMPING ON ESP	02/08/2022	4152'-9248'	3314'-3308'

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: 304577	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID:	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-21816
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 304577	Surface Commingling: ☐ Yes ☒ No, Order No.
All casing was pressure tested in accordance with NMAC ☒ Yes ☐ No	Non-standard Location: ☐ Yes ☒ No ☐ Common ownership Order No.
Liner 1 Action ID: 379028 TUBING	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	Date
REGULATORY DIRECTOR	12/09/2024

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 Completed		

WELL LOCATION INFORMATION

API Number 30-015-49020	Pool Code 96836	Pool Name RED LAKE; GLORIETA-YESO, NORTHEAST
Property Code 331679	Property Name WAUKEE 36 STATE COM	Well Number 2H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS LLC.	Ground Level Elevation 3664'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL M	Section 31	Township 17S	Range 28E	Lot 4	Ft. from N/S 775 FSL	Ft. from E/W 745 FWL	Latitude 32.7854290°N	Longitude 104.2210961°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----------------	--------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

Bottom Hole Location

UL M	Section 36	Township 17S	Range 27E	Lot	Ft. from N/S 1256 FSL	Ft. from E/W 38 FWL	Latitude 32.7868764°N	Longitude 104.2406834°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	-------------------------------	---------------------------------	-----------------------------------	-----------------------

Dedicated Acres 320	Infill or Defining Well DEFINING	Defining Well API 30-015-49020	Overlapping Spacing Unit (Y/N) N	Consolidation Code C & F COM
Order Numbers. R-21816			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL M	Section 31	Township 17S	Range 28E	Lot 4	Ft. from N/S 1230 FSL	Ft. from E/W 864 FWL	Latitude 32.7866871°N	Longitude 104.2207146°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----------------	---------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

First Take Point (FTP)

UL P	Section 36	Township 17S	Range 27E	Lot	Ft. from N/S 1275 FSL	Ft. from E/W 112 FEL	Latitude 32.7867687°N	Longitude 104.2238901°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

Last Take Point (LTP)

UL M	Section 36	Township 17S	Range 27E	Lot	Ft. from N/S 1258 FSL	Ft. from E/W 110 FWL	Latitude 32.7868798°N	Longitude 104.2404498°W	County EDDY
----------------	----------------------	------------------------	---------------------	-----	---------------------------------	--------------------------------	---------------------------------	-----------------------------------	-----------------------

Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3664' GF
---	--	--

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 Savino 12/29/2029		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 SAVINO		Signature and Seal of Professional Surveyor Robert M. Howell	
Printed Name SSAVINO@SPURENERGY.COM		Certificate Number 19680	Date of Survey 12/08/2021
Email Address			

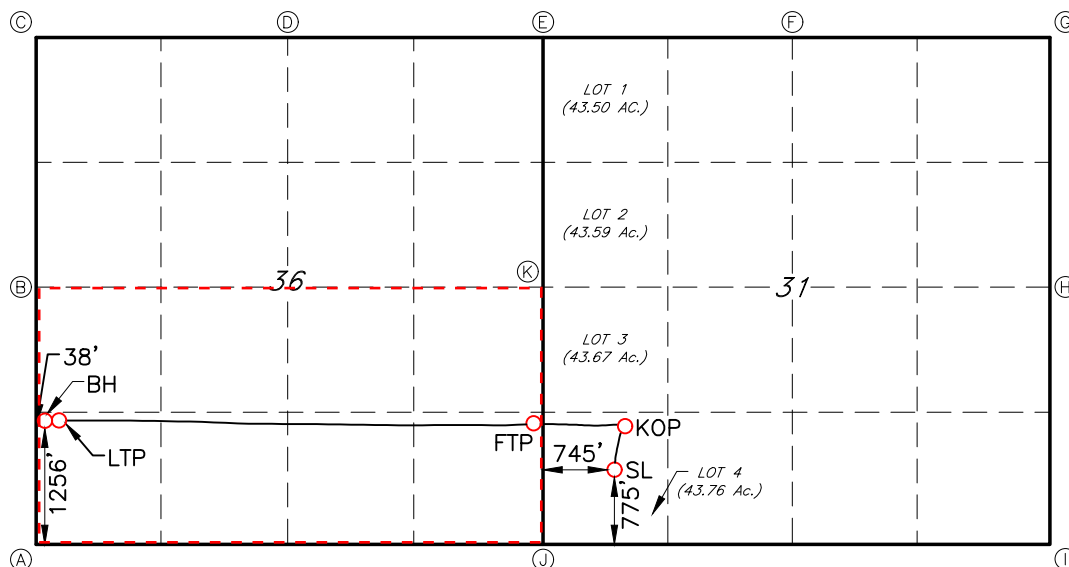
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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.

WAUKEE 36 STATE COM #2H



GEODETTIC DATA

NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)

775' FSL & 745' FWL SEC.31

N: 649489.6 - E: 575829.9

LAT: 32.7854290° N

LONG: 104.2210961° W

KICK OFF POINT (KOP)

1230' FSL & 864' FWL SEC.31

N: 649947.4 - E: 575946.6

LAT: 32.7866871° N

LONG: 104.2207146° W

MD = 2,590.0'

TVD = 2,528.5'

FIRST TAKE POINT (FTP)

1275' FSL & 112' FWL SEC.36

N: 649976.1 - E: 574970.7

LAT: 32.7867687° N

LONG: 104.2238901° W

MD = 4,152.0'

TVD = 3,554.0'

LAST TAKE POINT (LTP)

1258' FSL & 110' FWL SEC.36

N: 650011.7 - E: 569881.7

LAT: 32.7868798° N

LONG: 104.240498° W

MD = 9,248.0'

TVD = 3,313.9'

BOTTOM HOLE (BH)

1256' FSL & 38' FWL SEC.36

N: 650010.4 - E: 569809.9

LAT: 32.7868764° N

LONG: 104.2406834° W

MD = 9,320.0'

TVD = 3,308.4'

CORNER DATA

NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1941"

N: 648755.1 - E: 569774.2

B: FOUND BRASS CAP "1941"

N: 651389.1 - E: 569768.8

C: FOUND BRASS CAP "1941"

N: 654022.0 - E: 569763.3

D: FOUND BRASS CAP "1941"

N: 654002.1 - E: 572411.1

E: FOUND BRASS CAP "1941"

N: 653983.5 - E: 575058.5

F: FOUND BRASS CAP "1941"

N: 653999.6 - E: 577752.7

G: FOUND BRASS CAP "1941"

N: 654017.3 - E: 580331.9

H: FOUND BRASS CAP "1941"

N: 651411.9 - E: 580372.5

I: CALCULATED CORNER

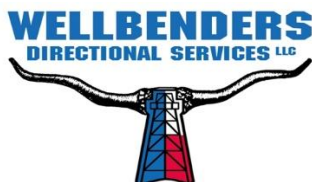
N: 648805.9 - E: 580413.8

J: FOUND BRASS CAP "1941"

N: 648700.0 - E: 575089.7

K: FOUND BRASS CAP "1941"

N: 651341.8 - E: 575074.4



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **12/03/21** thru **12/06/21** conduct or supervise the taking of a **MWD Survey** from a depth of **1800'** to a depth of **9320'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Spur Energy Partners** for the **Waukee C 36 State Com 2H** API No. **30-015-49020** in **Eddy County, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2021.12.29
12:50:10 -06'00'



Company: Spur Energy Partners, LLC
Project: Eddy County, NM (NAD 83 - NME)
Site: WAUKEE 36 STATE COM_
Well: 2H
Wellbore: Wellbore #1
Rig: AKITA 57
Design: PLAN #3 / 9:07, December 08 2021



WELL DETAILS: 2H

RKB = 20' @ 3684.00usft (AKITA 57)

3664.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	649489.60	575829.90	32.7854290	-104.2210960

DESIGN TARGET DETAILS

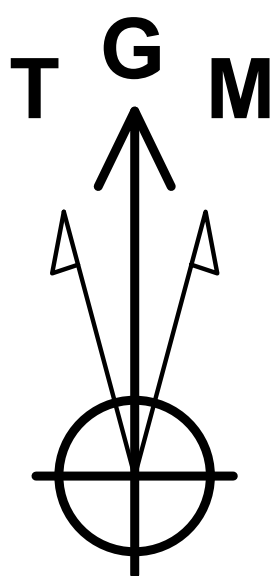
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PLAT SHL 2H: 775' FSL, 745' FWL	0.00	0.00	0.00	649489.60	575829.90	32.7854290	-104.2210960
FINAL BIT PROJECTION 2H: 1256' FSL, 38' FWL	3308.43	520.75	-6020.00	650010.35	569809.90	32.7868764	-104.2406834
FINAL LTP 2H: 1257' FSL, 100' FWL	3313.23	521.88	-5958.30	650011.48	569871.60	32.7868793	-104.2404826
PLAT BHL 2H: 1260' FSL, 50' FWL	3320.00	524.70	-6008.30	650014.30	569821.60	32.7868872	-104.2406453
PLAT LTP 2H: 1260' FSL, 100' FWL	3322.28	524.20	-5958.30	650013.80	569871.60	32.7868857	-104.2404826
FINAL FTP 2H: 1275' FSL, 100' FEL	3554.47	486.87	-847.40	649976.47	574982.50	32.7867697	-104.2238517
PLAT FTP 2H: 1260' FSL, 100' FEL	3555.00	471.10	-847.40	649960.70	574982.50	32.7867263	-104.2238518

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	1800.00	22.11	10.61	1760.62	313.74	49.23	0.00	0.000	-45.94
2	2510.30	5.84	82.01	2450.66	451.69	110.33	2.95	164.345	-105.59
3	2515.37	5.84	82.01	2455.71	451.77	110.84	0.00	0.000	-106.10
4	3611.73	60.00	270.60	3378.83	466.06	-361.68	6.00	-171.854	366.54
5	3811.73	60.00	270.60	3478.83	467.85	-534.88	0.00	0.000	539.75
6	4137.80	92.61	270.60	3555.00	471.10	-847.40	10.00	0.000	852.29
7	9254.27	92.61	270.60	3322.28	524.18	-5958.30	0.00	0.000	5963.46
8	9304.33	92.61	270.60	3320.00	524.70	-6008.30	0.00	0.000	6013.47

Target

PLAT FTP 2H: 1260' FSL, 100' FEL
PLAT LTP 2H: 1260' FSL, 100' FWL
PLAT BHL 2H: 1260' FSL, 50' FWL



Azimuths to Grid North
True North: -0.06°
Magnetic North: 6.80°

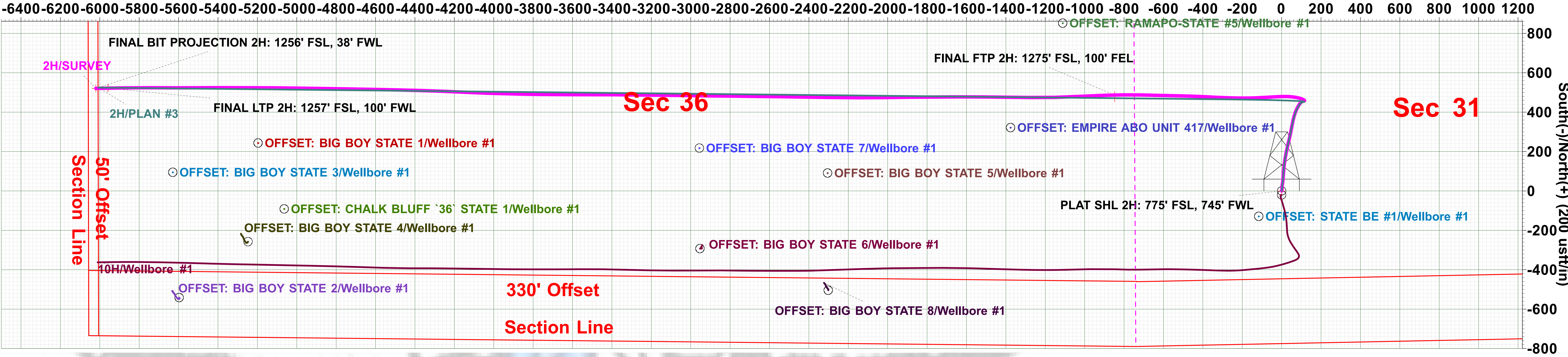
Magnetic Field
Strength: 47725.5snT
Dip Angle: 60.30°
Date: 09/30/2021
Model: IGRF2020

PROJECT DETAILS: Eddy County, NM (NAD 83 - NME)

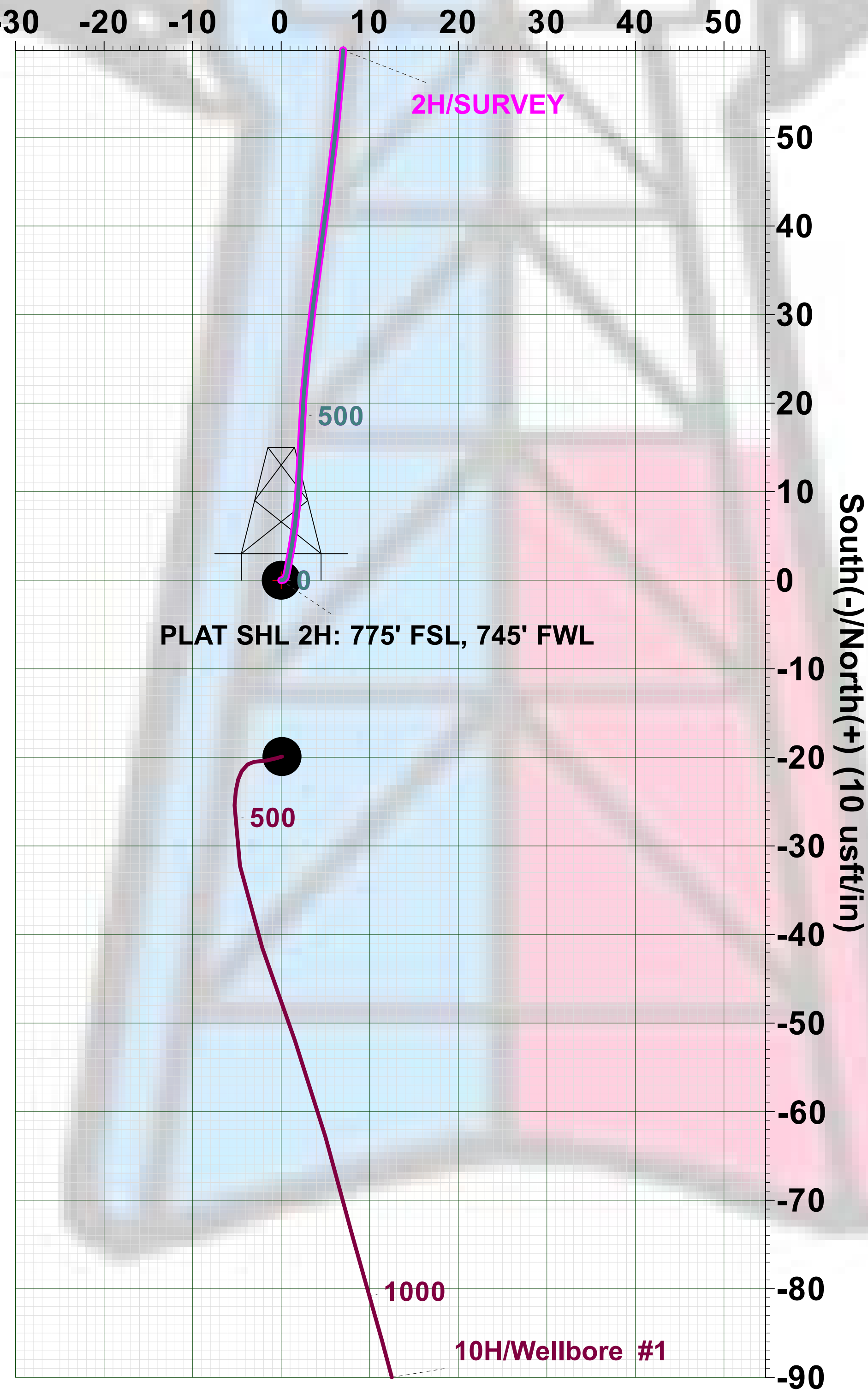
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Disclaimer:
All Plan Details, boundary
lines and offset well
location/ survey data is
provided by customer and
subject to customer
approval.

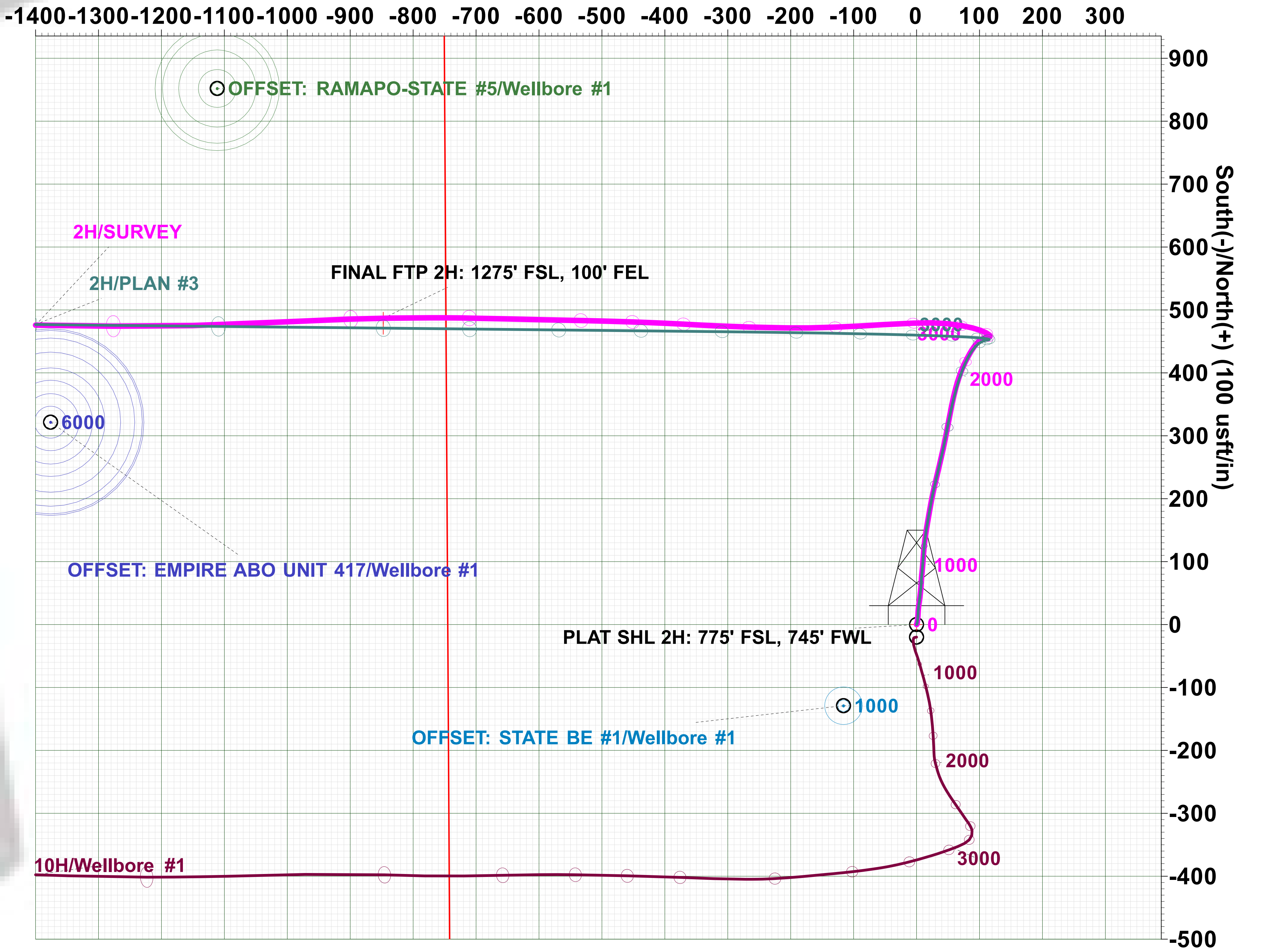
West(-)/East(+) (200 usft/in)



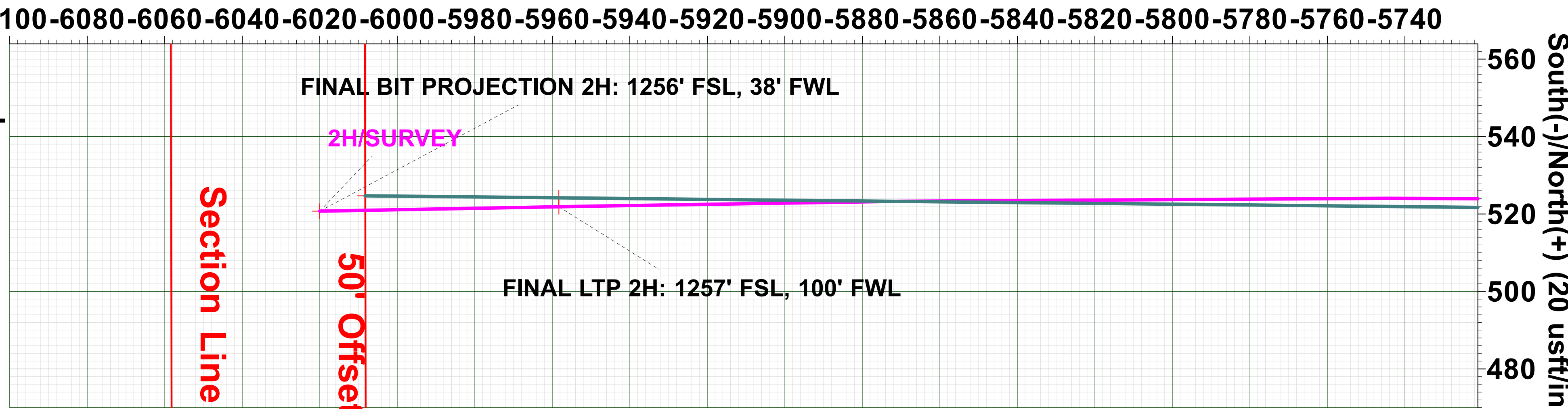
West(-)/East(+) (10 usft/in)



West(-)/East(+) (100 usft/in)

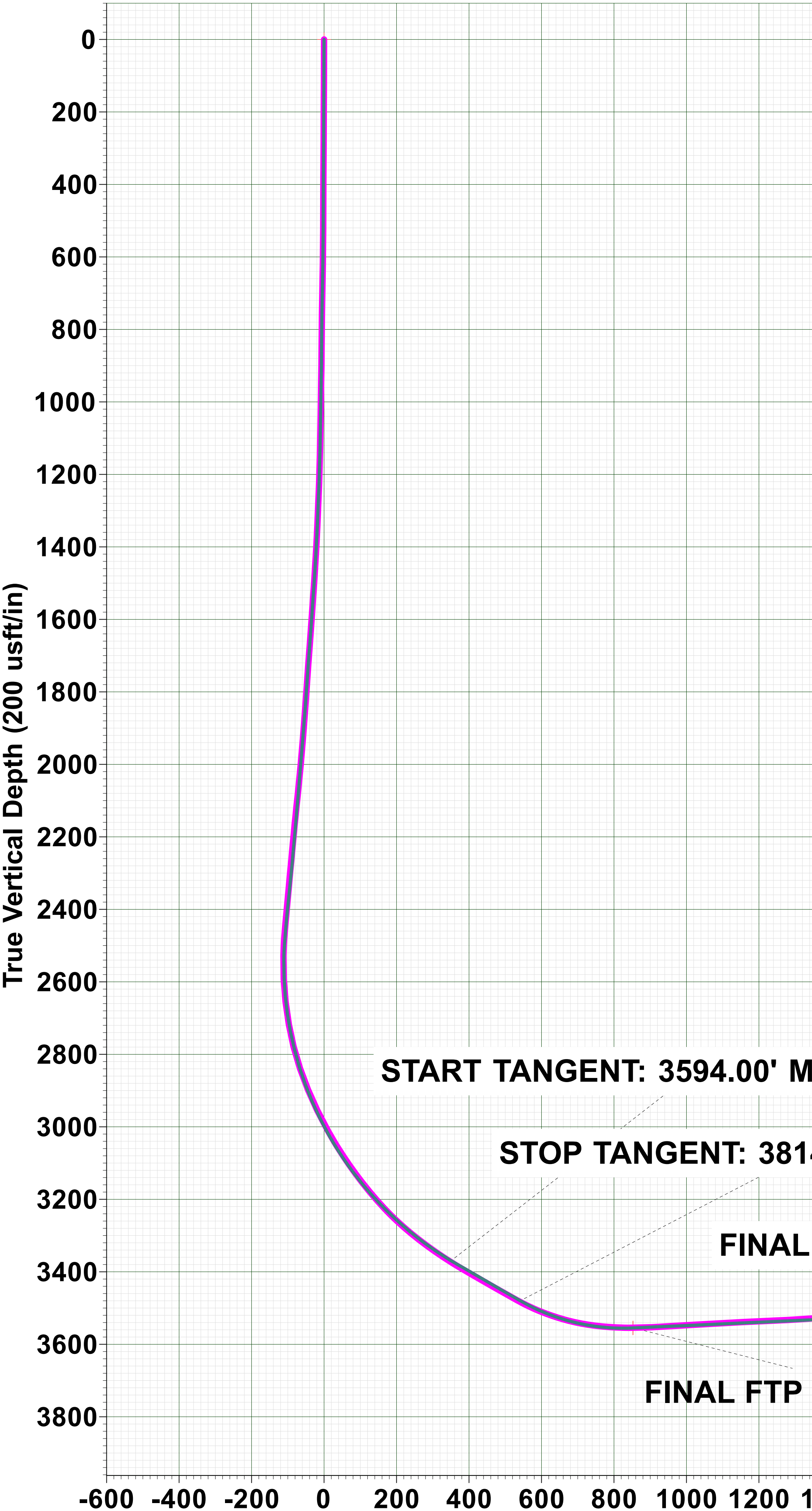


West(-)/East(+) (20 usft/in)



Plan: PLAN #3 (2H/Wellbore #1) AKITA 57

Created By: Derek Stephens Date: 9:07, December 08 2021



Vertical Section at 270.60° (200 usft/in)



Spur Energy Partners, LLC

Eddy County, NM (NAD 83 - NME)

WAUKEE 36 STATE COM_

2H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

08 December, 2021



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well 2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Site:	WAUKEE 36 STATE COM_	MD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Well:	2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Project	Eddy County, NM (NAD 83 - NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		WAUKEE 36 STATE COM_			
Site Position:		Northing:	649,489.60 usft	Latitude:	32.7854290
From:	Map	Easting:	575,829.90 usft	Longitude:	-104.2210960
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.061 °

Well	2H					
Well Position	+N/-S	0.00 usft	Northing:	649,489.60 usft	Latitude:	32.7854290
	+E/-W	0.00 usft	Easting:	575,829.90 usft	Longitude:	-104.2210960
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,664.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	09/30/21	6.857	60.303	47,725.49140021

Design	Wellbore #1				
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	270.60	

Survey Program	Date	12/08/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
113.00	1,800.00	Survey #1 (SPUDDER) (Wellbore #1)	GYRO-NS	OWSG Gyrocompass Gyro	
1,800.00	9,320.00	Survey #2 (Wellbore #1)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PLAT SHL 2H: 775' FSL, 745' FWL										
113.00	0.31	76.79	113.00	0.07	0.30	-0.30	0.27	0.27	0.00	
200.00	1.10	9.82	199.99	0.95	0.67	-0.66	1.17	0.91	-76.98	
288.00	2.59	10.61	287.94	3.73	1.18	-1.14	1.69	1.69	0.90	
382.00	4.09	5.25	381.78	9.16	1.88	-1.78	1.63	1.60	-5.70	
477.00	4.88	1.73	476.49	16.57	2.31	-2.14	0.88	0.83	-3.71	
571.00	6.11	6.13	570.06	25.54	2.96	-2.70	1.38	1.31	4.68	
666.00	7.91	8.06	664.34	37.04	4.42	-4.03	1.91	1.89	2.03	
760.00	9.10	6.48	757.31	50.83	6.17	-5.63	1.29	1.27	-1.68	



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well 2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Site:	WAUKEE 36 STATE COM_	MD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Well:	2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
855.00	10.11	2.79	850.98	66.63	7.42	-6.72	1.24	1.06	-3.88
949.00	11.52	6.22	943.31	84.20	8.84	-7.96	1.65	1.50	3.65
1,044.00	12.40	3.49	1,036.24	103.81	10.49	-9.40	1.10	0.93	-2.87
1,138.00	13.49	5.69	1,127.85	124.80	12.19	-10.88	1.27	1.16	2.34
1,233.00	14.20	8.94	1,220.09	147.33	15.10	-13.55	1.11	0.75	3.42
1,422.00	16.31	10.61	1,402.43	196.32	23.59	-21.53	1.14	1.12	0.88
1,517.00	16.88	13.51	1,493.47	222.85	29.27	-26.93	1.06	0.60	3.05
1,611.00	18.11	13.16	1,583.12	250.34	35.78	-33.16	1.31	1.31	-0.37
1,705.00	20.00	12.19	1,671.97	280.28	42.50	-39.57	2.04	2.01	-1.03
1,800.00	22.11	10.61	1,760.62	313.74	49.23	-45.94	2.30	2.22	-1.66
1,897.00	20.47	11.47	1,851.00	348.31	55.96	-52.31	1.72	-1.69	0.89
2,023.00	16.81	17.16	1,970.38	387.33	65.72	-61.66	3.24	-2.90	4.52
2,149.00	13.62	26.91	2,091.96	417.98	77.82	-73.43	3.24	-2.53	7.74
2,275.00	9.49	33.85	2,215.39	439.84	90.32	-85.71	3.45	-3.28	5.51
2,401.00	6.55	56.85	2,340.17	452.40	102.13	-97.39	3.41	-2.33	18.25
2,527.00	4.82	84.27	2,465.57	456.86	113.42	-108.63	2.52	-1.37	21.76
2,590.00	1.75	43.46	2,528.47	457.83	116.71	-111.91	5.84	-4.87	-64.78
2,654.00	3.59	315.53	2,592.42	459.97	115.98	-111.16	6.15	2.87	-137.39
2,716.00	7.45	300.16	2,654.12	463.37	111.14	-106.29	6.61	6.23	-24.79
2,780.00	10.53	290.04	2,717.33	467.46	102.06	-97.16	5.39	4.81	-15.81
2,843.00	14.43	284.21	2,778.83	471.36	89.04	-84.10	6.50	6.19	-9.25
2,906.00	19.17	280.33	2,839.13	475.15	71.24	-66.26	7.73	7.52	-6.16
2,969.00	22.43	275.50	2,898.02	478.16	49.09	-44.08	5.84	5.17	-7.67
3,031.00	26.03	270.89	2,954.55	479.50	23.71	-18.68	6.56	5.81	-7.44
3,093.00	29.06	267.47	3,009.52	479.05	-4.95	9.96	5.51	4.89	-5.52
3,185.00	33.85	266.74	3,087.98	476.60	-52.88	57.87	5.22	5.21	-0.79
3,248.00	37.27	266.87	3,139.22	474.56	-89.45	94.42	5.43	5.43	0.21
3,311.00	40.07	267.49	3,188.41	472.63	-128.77	133.71	4.49	4.44	0.98
3,374.00	44.21	269.36	3,235.11	471.50	-171.01	175.94	6.87	6.57	2.97
3,437.00	49.10	270.88	3,278.34	471.62	-216.81	221.73	7.96	7.76	2.41
3,500.00	52.69	271.72	3,318.07	472.74	-265.67	270.61	5.79	5.70	1.33
3,563.00	56.25	272.55	3,354.68	474.66	-316.90	321.85	5.75	5.65	1.32
3,594.00	57.66	273.28	3,371.58	475.98	-342.85	347.81	4.96	4.55	2.35
START TANGENT: 3594.00' MD/ 3371.69' TVD									
3,626.00	59.51	272.95	3,388.26	477.46	-370.12	375.10	5.85	5.78	-1.03
3,658.00	59.79	272.52	3,404.43	478.78	-397.70	402.69	1.45	0.87	-1.34
3,688.00	60.09	272.28	3,419.46	479.87	-423.64	428.64	1.22	1.00	-0.80
3,720.00	60.25	272.01	3,435.38	480.91	-451.38	456.39	0.89	0.50	-0.84
3,751.00	60.43	271.72	3,450.72	481.78	-478.31	483.33	1.00	0.58	-0.94
3,782.00	60.75	271.46	3,465.94	482.53	-505.30	510.33	1.26	1.03	-0.84
3,814.00	61.21	271.13	3,481.46	483.16	-533.28	538.31	1.70	1.44	-1.03
STOP TANGENT: 3814.00' MD/ 3481.61' TVD									
3,877.00	67.82	271.31	3,508.55	484.38	-590.10	595.14	10.50	10.49	0.29



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well 2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Site:	WAUKEE 36 STATE COM_	MD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Well:	2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
3,940.00	73.55	271.41	3,529.38	485.79	-649.51	654.57	9.10	9.10	0.16	
4,003.00	79.97	271.03	3,543.81	487.09	-710.79	715.86	10.21	10.19	-0.60	
4,066.00	85.53	269.82	3,551.75	487.55	-773.26	778.33	9.03	8.83	-1.92	
4,129.00	89.57	269.25	3,554.45	487.04	-836.19	841.24	6.48	6.41	-0.90	
4,140.21	90.16	269.03	3,554.47	486.87	-847.40	852.45	5.60	5.25	-1.93	
FINAL FTP: 4140.21' MD/ 3554.47' TVD - FINAL FTP 2H: 1275' FSL, 100' FEL										
4,140.60	90.18	269.03	3,554.47	486.86	-847.79	852.84	5.63	5.28	-1.94	
PLAT FTP 2H: 1260' FSL, 100' FEL										
4,192.00	92.88	268.03	3,553.10	485.54	-899.15	904.18	5.60	5.25	-1.94	
4,318.00	93.80	267.04	3,545.76	480.13	-1,024.81	1,029.79	1.07	0.73	-0.79	
4,444.00	92.65	268.43	3,538.67	475.16	-1,150.51	1,155.42	1.43	-0.91	1.10	
4,570.00	92.62	270.70	3,532.88	474.21	-1,276.37	1,281.26	1.80	-0.02	1.80	
4,696.00	94.45	270.83	3,525.11	475.89	-1,402.11	1,407.02	1.46	1.45	0.10	
4,821.00	92.85	270.44	3,517.15	477.27	-1,526.84	1,531.76	1.32	-1.28	-0.31	
4,946.00	91.87	269.75	3,512.00	477.48	-1,651.74	1,656.65	0.96	-0.78	-0.55	
5,071.00	93.27	269.46	3,506.40	476.62	-1,776.60	1,781.50	1.14	1.12	-0.23	
5,197.00	91.36	269.66	3,501.31	475.65	-1,902.49	1,907.37	1.52	-1.52	0.16	
5,323.00	92.79	268.77	3,496.75	473.92	-2,028.39	2,033.24	1.34	1.13	-0.71	
5,449.00	91.67	270.59	3,491.84	473.22	-2,154.29	2,159.13	1.70	-0.89	1.44	
5,574.00	93.30	270.56	3,486.42	474.47	-2,279.16	2,284.00	1.30	1.30	-0.02	
5,700.00	91.64	271.19	3,480.99	476.40	-2,405.02	2,409.88	1.41	-1.32	0.50	
5,825.00	93.35	270.51	3,475.55	478.25	-2,529.89	2,534.75	1.47	1.37	-0.54	
5,951.00	91.81	271.04	3,469.88	479.95	-2,655.74	2,660.62	1.29	-1.22	0.42	
6,077.00	93.16	270.40	3,464.42	481.54	-2,781.61	2,786.50	1.19	1.07	-0.51	
6,198.00	92.85	270.73	3,458.07	482.73	-2,902.44	2,907.33	0.37	-0.26	0.27	
6,320.00	93.60	270.92	3,451.21	484.48	-3,024.23	3,029.14	0.63	0.61	0.16	
6,440.00	92.57	270.42	3,444.75	485.88	-3,144.05	3,148.96	0.95	-0.86	-0.42	
6,560.00	90.55	270.82	3,441.49	487.18	-3,263.99	3,268.91	1.72	-1.68	0.33	
6,682.00	91.89	270.42	3,438.89	488.50	-3,385.95	3,390.88	1.15	1.10	-0.33	
6,801.00	93.21	269.72	3,433.59	488.65	-3,504.83	3,509.75	1.26	1.11	-0.59	
6,920.00	91.67	270.64	3,428.53	489.02	-3,623.72	3,628.64	1.51	-1.29	0.77	
7,042.00	93.21	270.30	3,423.33	490.02	-3,745.60	3,750.52	1.29	1.26	-0.28	
7,161.00	91.75	271.46	3,418.19	491.85	-3,864.47	3,869.41	1.57	-1.23	0.97	
7,279.00	93.04	271.52	3,413.25	494.91	-3,982.32	3,987.29	1.09	1.09	0.05	
7,406.00	91.56	272.71	3,408.16	499.60	-4,109.13	4,114.13	1.49	-1.17	0.94	
7,532.00	93.19	272.24	3,402.94	505.03	-4,234.90	4,239.95	1.35	1.29	-0.37	
7,658.00	92.18	271.91	3,397.03	509.59	-4,360.67	4,365.77	0.84	-0.80	-0.26	
7,784.00	93.16	271.11	3,391.16	512.91	-4,486.49	4,491.62	1.00	0.78	-0.63	
7,910.00	91.81	271.21	3,385.70	515.45	-4,612.34	4,617.49	1.07	-1.07	0.08	
8,036.00	93.35	270.99	3,380.03	517.87	-4,738.19	4,743.35	1.23	1.22	-0.17	
8,163.00	91.87	270.97	3,374.25	520.04	-4,865.03	4,870.21	1.17	-1.17	-0.02	
8,288.00	93.27	270.81	3,368.64	521.98	-4,989.89	4,995.08	1.13	1.12	-0.13	
8,414.00	91.73	270.55	3,363.15	523.47	-5,115.76	5,120.96	1.24	-1.22	-0.21	
8,540.00	93.07	270.03	3,357.87	524.11	-5,241.64	5,246.84	1.14	1.06	-0.41	



Survey Report

Company:	Spur Energy Partners, LLC	Local Co-ordinate Reference:	Well 2H
Project:	Eddy County, NM (NAD 83 - NME)	TVD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Site:	WAUKEE 36 STATE COM_	MD Reference:	RKB = 20' @ 3684.00usft (AKITA 57)
Well:	2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	WBDS_SQL_2

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,666.00	92.46	270.15	3,351.79	524.31	-5,367.50	5,372.69	0.49	-0.48	0.10	
8,793.00	94.03	269.40	3,344.60	523.81	-5,494.29	5,499.47	1.37	1.24	-0.59	
8,918.00	93.02	270.40	3,336.92	523.59	-5,619.05	5,624.22	1.14	-0.81	0.80	
9,044.00	94.67	270.04	3,328.47	524.08	-5,744.76	5,749.93	1.34	1.31	-0.29	
9,170.00	93.55	269.24	3,319.44	523.29	-5,870.43	5,875.59	1.09	-0.89	-0.63	
9,250.00	94.45	268.95	3,313.86	522.03	-5,950.22	5,955.36	1.18	1.12	-0.36	
9,257.36	94.45	268.95	3,313.29	521.89	-5,957.56	5,962.70	0.00	0.00	0.00	
PLAT LTP 2H: 1260' FSL, 100' FWL										
9,258.10	94.45	268.95	3,313.23	521.88	-5,958.30	5,963.43	0.00	0.00	0.00	
FINAL LTP: 9258.10' MD/ 3313.23' TVD - FINAL LTP 2H: 1257' FSL, 100' FWL										
9,307.37	94.45	268.95	3,309.41	520.98	-6,007.41	6,012.53	0.00	0.00	0.00	
PLAT BHL 2H: 1260' FSL, 50' FWL										
9,320.00	94.45	268.95	3,308.43	520.75	-6,020.00	6,025.12	0.00	0.00	0.00	
Projection to Bit: 9320.00' MD/ 3308.43' TVD - Final Station Closure Distance= 6042.48 /Direction= 274.94 - TD: Latitude= 32.7868764 / Lon										

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										
FINAL BIT PROJECTION	0.00	0.00	3,308.43	520.75	-6,020.00	650,010.35	569,809.90	32.7868764		
- actual wellpath hits target center										
- Point										
FINAL LTP 2H: 1257' FS	0.00	0.00	3,313.23	521.88	-5,958.30	650,011.48	569,871.60	32.7868793		
- actual wellpath hits target center										
- Point										
FINAL FTP 2H: 1275' FS	0.00	0.00	3,554.47	486.87	-847.40	649,976.47	574,982.50	32.7867697		
- actual wellpath hits target center										
- Point										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
3,594.00	3,371.58	475.98	-342.85	START TANGENT: 3594.00' MD/ 3371.69' TVD	
3,814.00	3,481.46	483.16	-533.28	STOP TANGENT: 3814.00' MD/ 3481.61' TVD	
4,140.21	3,554.47	486.87	-847.40	FINAL FTP: 4140.21' MD/ 3554.47' TVD	
9,258.10	3,313.23	521.88	-5,958.30	FINAL LTP: 9258.10' MD/ 3313.23' TVD	
9,320.00	3,308.43	520.75	-6,020.00	Projection to Bit: 9320.00' MD/ 3308.43' TVD	
9,320.00	3,308.43	520.75	-6,020.00	Final Station Closure Distance= 6042.48 /Direction= 274.94	
9,320.00	3,308.43	520.75	-6,020.00	TD: Latitude= 32.7868764 / Longitude= -104.2406834	
9,320.00	3,308.43	520.75	-6,020.00	TD: Y= 650010.35 / X= 569809.90	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

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: WAUKEE 36 STATE COM 2H	Property Code: 331679
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-49020
Pool Name: RED LAKE; GLORIETA-YESO, NORTHEAST	Pool Code: 96836

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:	4	31	17S	28E		775	SOUTH	745	WEST	EDDY
BHL	M	36	17S	28E		1256	SOUTH	38	WEST	EDDY

Section 3 – Completion Information

Date T.D. Reached 12/06/2021	Total Measured Depth of Well 9320'M/3308'V	Acid Volume (bbls) 1,041	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 12/08/2021	Plug-Back Measured Depth 9272'M/3308'V	Completion Fluid Used (bbls) 299,201	Were Logs Ran (Y/N) Y
Completion Date 01/22/2022	Perforations (MD and TVD) 4152'-9248'/3554'-3314'	Completion Proppant Used (lbs) 5,018,612	List Type of Logs Ran if applicable: GAMMA RAY

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 304577	UIC Permit/Order (UIC wells only) ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID:	NOI Recomplete Action ID (if applicable):
Intermediate 2 Casing Action ID:	NOI Plugback Action ID (if applicable):
Production Casing Action ID: 304577	Cement Squeeze Action ID (if applicable):
Tubing Action ID: 379024	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 02/25/2022	Production Method PUMPING ON ESP	Well Status PRODUCING	Gas – Oil Ratio
Date of Test 04/20/2022	Choke Size N/A	Flowing Tubing Pressure 231	Casing Pressure 153
24 hr Oil (bbls) 518	24 hr Gas (MCF) 1072	24 hr Water (bbls) 3533	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 12/09/2024

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				T. Nacimiento			
B. Salt				T. Ojo Alamo			
T. Yates	330	330	N/A	T. Kirtland			
T. 7 Rivers	575	575	O/G	T. Fruitland			
T. Queen	1130	1130	O/G	T. Pictured Cliffs			
T. Grayburg	1585	1496	O/G	T. Lewis Shale			
T. San Andres	1925	1896	O/G	T. Chacra			
T. Glorieta	3355	3325	O/G	T. Cliff House			
T. Yeso				T. Menefee			
T. Paddock				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							

TD	9,320'
----	--------

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 540555

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 540555
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

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.

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 540555

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 540555
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/6/2026