

Santa Fe Main Office Phone: (505) 476-3441 Fax: (505) 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: WELCH CD 28 SA STATE COM 10H	Property Code: 334570
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-54024
Pool Name: RED LAKE; QUEEN-GRAYBURG -SA	Pool Code: 51300

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	27	17S	28E		2124' FSL	598' FWL	32.804273	-104.175199	EDDY

Section 3 – Completion Information

Producing Method	Ready Date	Perforations MD	Perforations TVD
PUMPING ON ESP	07/18/2024	3129'-6800'	3631'-2586'

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): 370335 (REJECTED)	Communitization Agreement ☒ Yes ☐ No, Order No. ATTACHED
Surface Casing Action ID: 360152	Unit: ☐ Yes ☒ No, Order No.
Intermediate 1 Casing Action ID:	Compulsory Pooling: ☒ Yes ☐ No, Order No. R-22761
Intermediate 2 Casing Action ID:	Down Hole Commingling: ☐ Yes ☒ No, Order No.
Production Casing Action ID: 360152	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: 370598 (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 <i>Sarah Chapman</i>	
Title REGULATORY DIRECTOR	Date 11/01/2024



November 1, 2024

RE: **Welch CD 28 SA State Com 10H (30-015-54024)**

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

If you need any additional information, you can contact myself at 832-930-8613 or at schapman@spurenergy.com.

Thank you,

Sarah Chapman

Regulatory Director

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 30-015-54024	Pool Code 51300	Pool Name RED LAKE; QUEEN-GRAYBURG-SA
Property Code 334570	Property Name WELCH CD 28 SA STATE COM	Well Number 10H
OGRID No. 328947	Operator Name SPUR ENERGY PARTNERS LLC.	Ground Level Elevation 3681'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL L	Section 27	Township 17S	Range 28E	Lot	Ft. from N/S 2124 FSL	Ft. from E/W 598 FWL	Latitude 32.8042733°N	Longitude 104.1705199°W	County EDDY
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Bottom Hole Location

UL K	Section 28	Township 17S	Range 28E	Lot	Ft. from N/S 1870 FSL	Ft. from E/W 1351 FWL	Latitude 32.8033081°N	Longitude 104.1849905°W	County EDDY
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Dedicated Acres 120	Infill or Defining Well INFILL	Defining Well API N/A	Overlapping Spacing Unit (Y/N) N	Consolidation Code F & C
Order Numbers. R-22761			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL L	Section 27	Township 17S	Range 28E	Lot	Ft. from N/S 1936 FSL	Ft. from E/W 765 FWL	Latitude 32.8037616°N	Longitude 104.1699851°W	County EDDY
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First Take Point (FTP)

UL I	Section 28	Township 17S	Range 28E	Lot	Ft. from N/S 1866 FSL	Ft. from E/W 106 FEL	Latitude 32.8035416°N	Longitude 104.1728216°W	County EDDY
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Last Take Point (LTP)

UL K	Section 28	Township 17S	Range 28E	Lot	Ft. from N/S 1870 FSL	Ft. from E/W 1421 FWL	Latitude 32.8033138°N	Longitude 104.1847628°W	County EDDY
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Unitized Area or Area of Uniform Interest Y	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3681' GF
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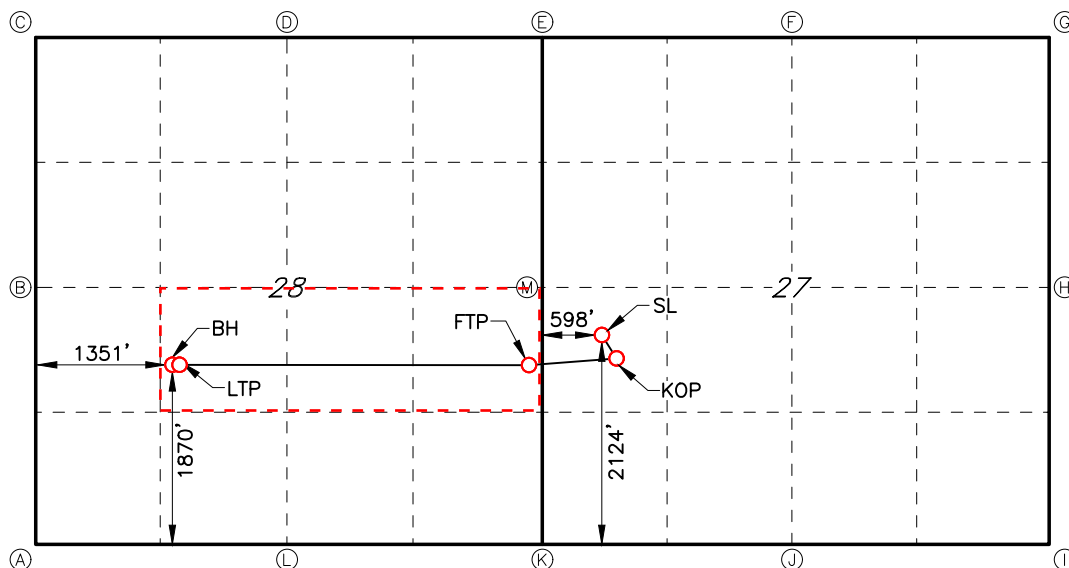
OPERATOR CERTIFICATIONS <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i> <i>Sarah Chapman</i> 11/01/2024 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 Certificate Number Date of Survey 14400 07/18/2024	
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is a directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



GEODETTIC DATA
NAD 83 GRID — NM EAST

SURFACE LOCATION (SL)
N: 656365.6 — E: 591362.2

LAT: 32.8042733° N
LONG: 104.1705199° W

KICK OFF POINT (KOP)
1936' FSL & 765' FWL SEC. 27
N: 656179.7 — E: 591526.8

LAT: 32.8037616° N
LONG: 104.1699851° W
MD: 1784.0 — TVD: 1757.6

FIRST TAKE POINT (FTP)
1866' FSL & 106' FWL SEC. 28
N: 656098.4 — E: 590655.4

LAT: 32.8035416° N
LONG: 104.1728216° W
MD: 3129.0 — TVD: 2630.9

LAST TAKE POINT (LTP)
1870' FSL & 1421' FWL SEC. 28
N: 656010.1 — E: 586986.6

LAT: 32.8033138° N
LONG: 104.1847628° W
MD: 6800.0 — TVD: 2586.3

BOTTOM HOLE (BH)
N: 656007.9 — E: 586916.6

LAT: 32.8033081° N
LONG: 104.1849905° W
MD: 6870.0 — TVD: 2586.0

CORNER DATA
NAD 83 GRID — NM EAST

A: FOUND BRASS CAP "1941"
N: 654104.0 — E: 585547.5

B: FOUND BRASS CAP "1941"
N: 656702.1 — E: 585573.1

C: FOUND BRASS CAP "1941"
N: 659297.8 — E: 585602.6

D: FOUND BRASS CAP "1941"
N: 659377.1 — E: 588198.9

E: FOUND BRASS CAP "1941"
N: 659457.7 — E: 590794.9

F: FOUND BRASS CAP "1941"
N: 659466.8 — E: 593406.4

G: FOUND BRASS CAP "1941"
N: 659475.1 — E: 596017.9

H: FOUND BRASS CAP "1941"
N: 656886.5 — E: 595997.7

I: FOUND BRASS CAP "1941"
N: 654298.0 — E: 595977.3

J: FOUND BRASS CAP "1941"
N: 654266.7 — E: 593360.1

K: FOUND BRASS CAP "1941"
N: 654235.0 — E: 590741.9

L: FOUND BRASS CAP "1941"
N: 654169.8 — E: 588139.7

M: FOUND BRASS CAP "1941"
N: 656846.0 — E: 590769.0





March 25th, 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: WELCH CD 28 STATE COM SA 10H

POOLS:96830: ARTESIA;GLORIETA-YESO(O)
EDDY COUNTY, NM
API Number: 30-015-54024

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: 187' MD– 6806' MD projection to 6870MD
Date Performed: 2/16/2024 – 3/21/2024
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,

A handwritten signature in blue ink, appearing to read 'Joe Vocioni', is written over a blue horizontal line.

Joe Vocioni
MWD Operations Manager

713-517-3120

jvocioni@primesolutionsvcs.com

SPUR ENERGY PARTNERS LLC.

Project: Eddy County, NM (NAD83) NMEZ Grid

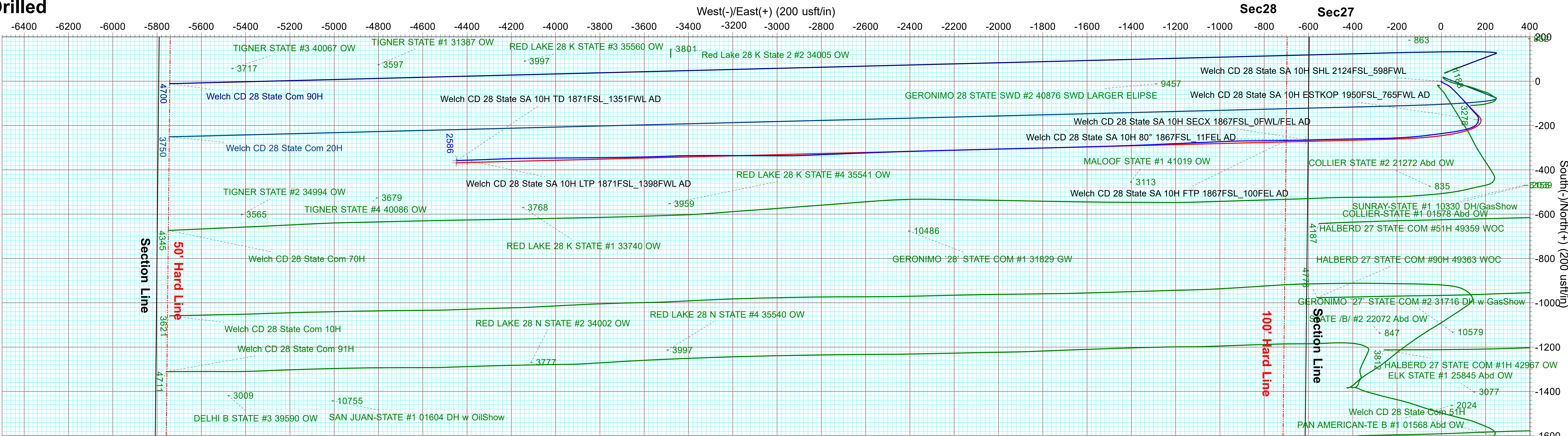
Site: Welch C Pad

Well: Welch CD 28 State Com SA 10H

Wellbore: 10H OH

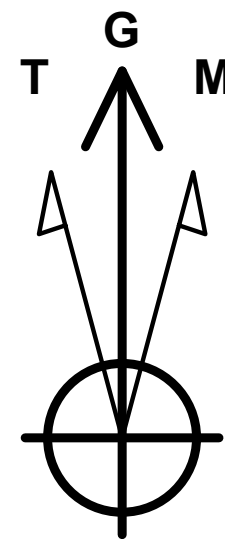
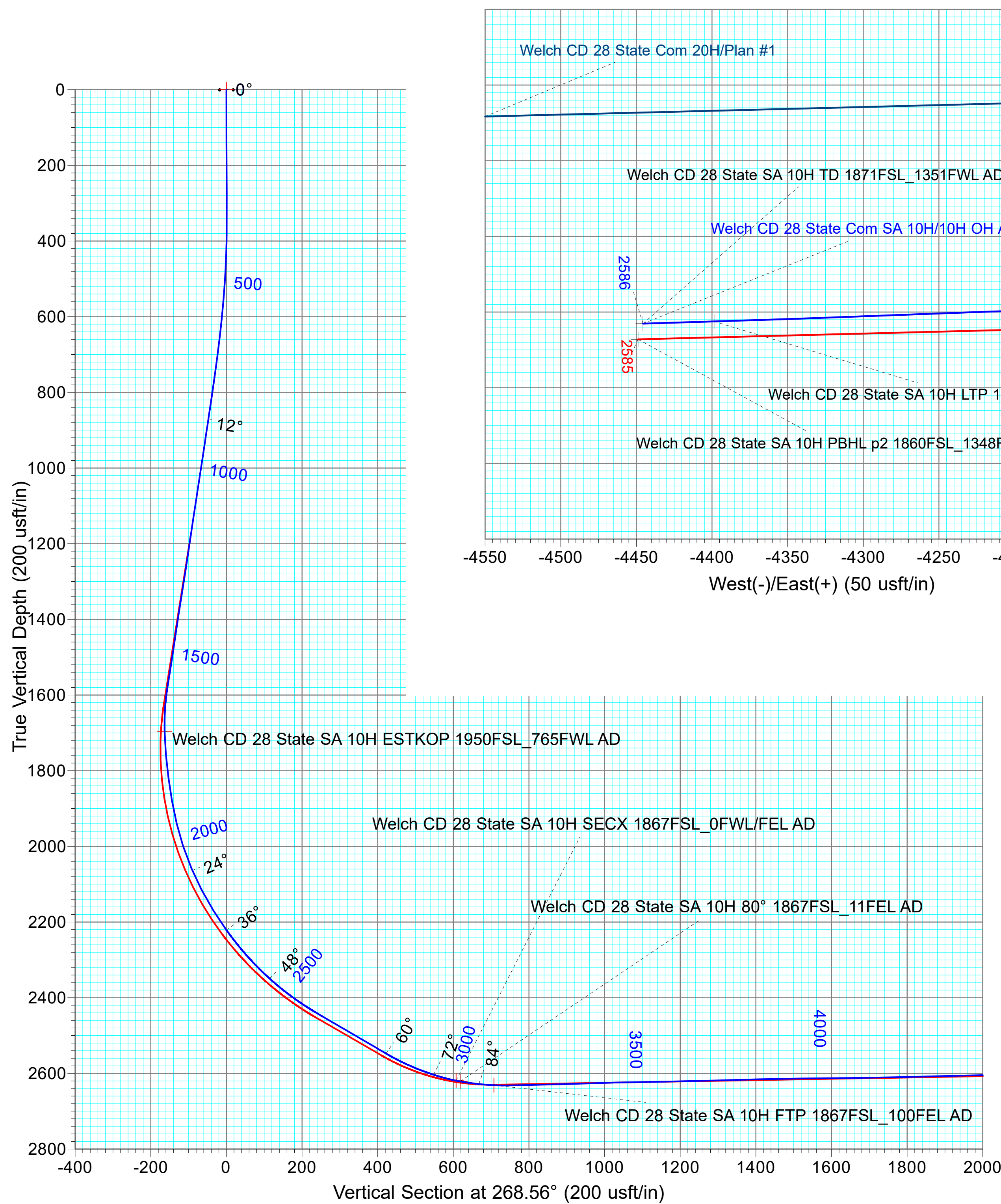
Design: 10H OH AsDrilled

3681+20 @ 3701.00usft (Akita)
North American Datum 1983



ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Annotation
1721.00	11.17	185.47	1695.80	-173.99	167.89	ESTKOP 1950FSL_765FWL
3022.20	78.73	268.70	2619.25	-265.23	-600.73	SECX 1867FSL_0FWL/FEL
3033.37	80.00	268.83	2621.31	-265.47	-611.71	80° 1867FSL_11FEL
3123.20	87.22	269.13	2631.30	-267.25	-700.90	FTP 1867FSL_100FEL
6823.00	90.31	268.24	2586.26	-356.22	-4398.64	LTP 1871FSL_1398FWL
6870.00	90.31	268.24	2586.00	-357.66	-4445.62	TD 1871FSL_1351FWL



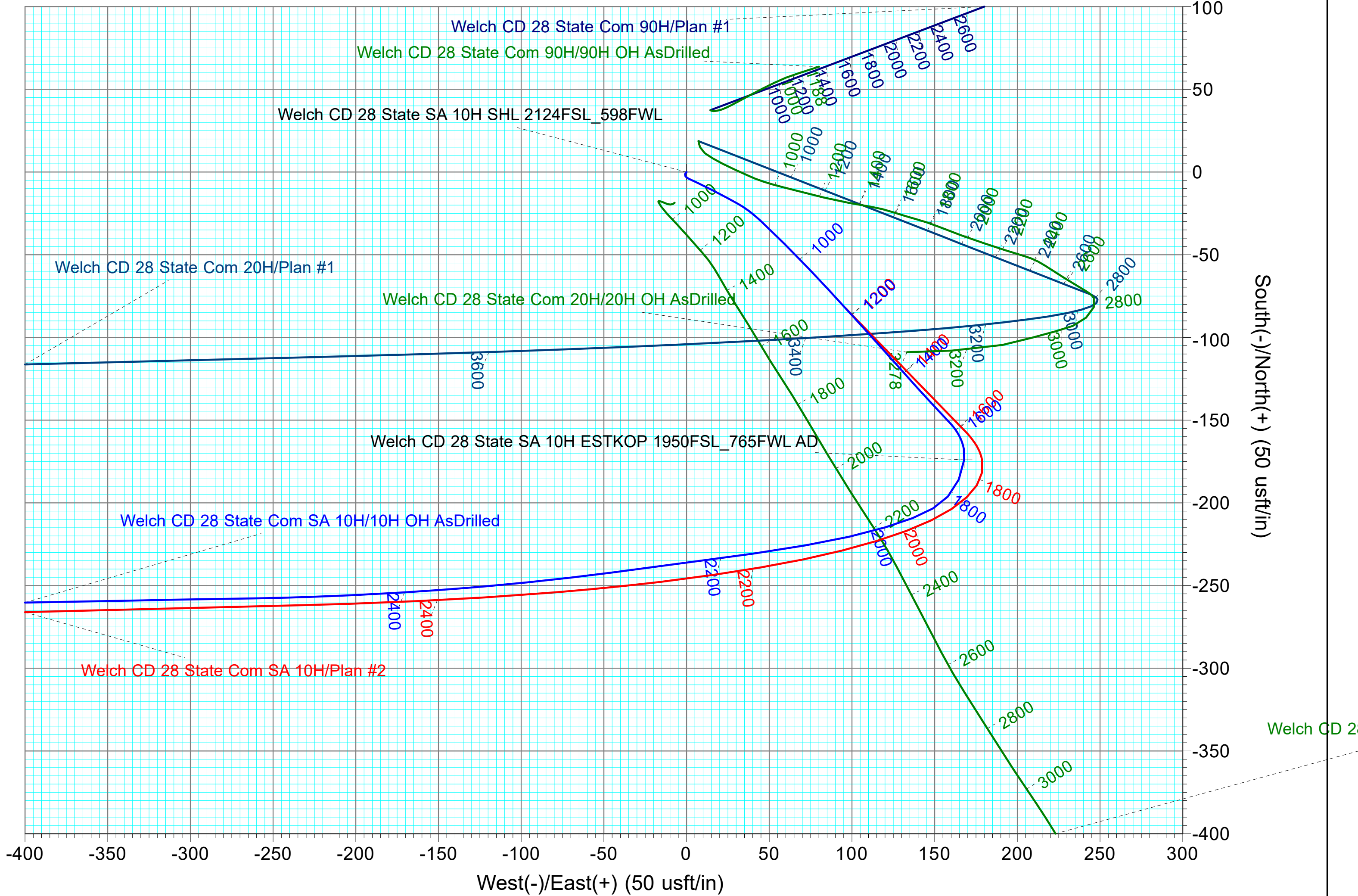
Azimuths to Grid North
True North: -0.09°
Magnetic North: 6.74°

Magnetic Field
Strength: 47362.0nT
Dip Angle: 60.27°
Date: 02/05/2024
Model: USER DEFINED

PROJECT DETAILS: Eddy County, NM (NAD83) NMEZ Grid
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

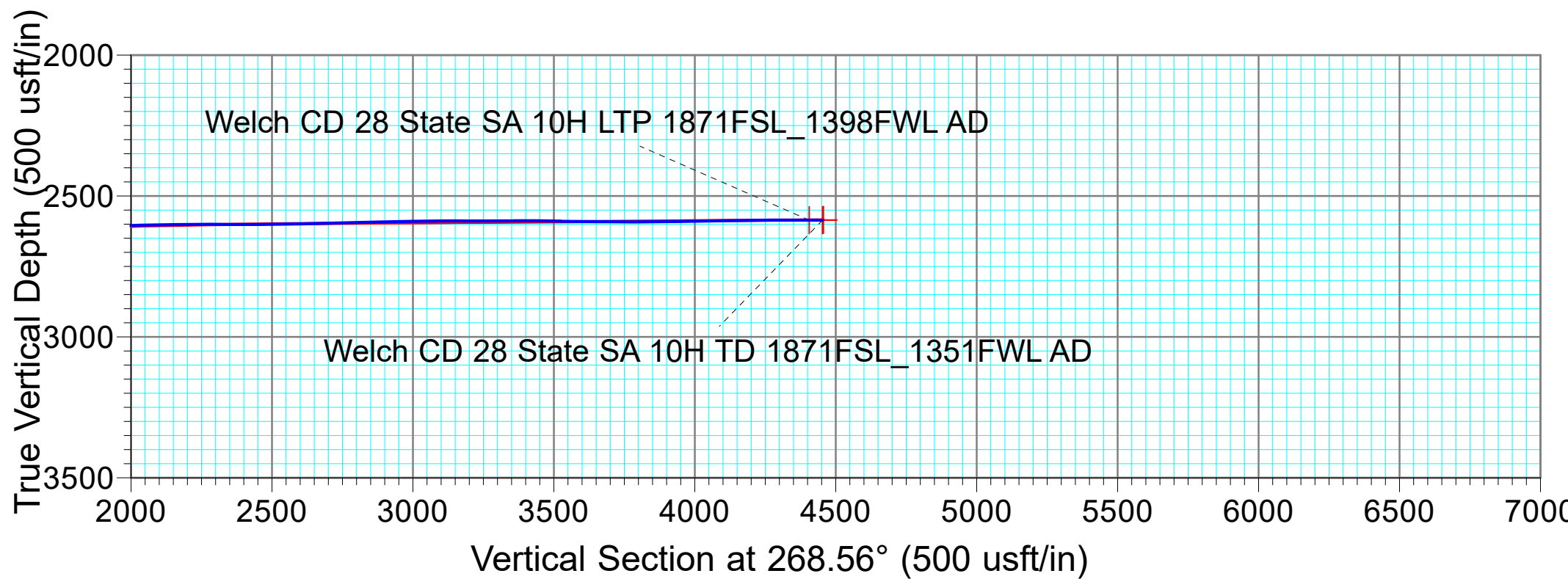
To convert a Magnetic Direction to a Grid Direction, Add 6.74°

Magnetic North is 6.74° East of Grid North (Magnetic Convergence)
Magnetic North is 6.83° East of True North (Magnetic Declination)



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
Welch CD 28 State SA 10H SHL 2124FSL_598FWL	0.00	0.00	0.00	656365.600	591362.200
Welch CD 28 State SA 10H ESTKOP 1950FSL_765FWL AD	1695.80	-173.99	167.88	656191.612	591530.085
Welch CD 28 State SA 10H PBHL p2 1860FSL_1348FWL	2585.00	-368.00	-4448.90	655997.600	586913.300
Welch CD 28 State SA 10H TD 1871FSL_1351FWL AD	2586.00	-357.66	-4445.62	656007.939	586916.584
Welch CD 28 State SA 10H LTP 1871FSL_1398FWL AD	2586.26	-356.22	-4398.64	656009.382	586963.561
Welch CD 28 State SA 10H SECX 1867FSL_0FWL/FEL AD	2619.25	-265.23	-600.73	656100.367	590761.469
Welch CD 28 State SA 10H 80° 1867FSL_11FEL AD	2621.31	-265.47	-611.71	656100.131	590750.494
Welch CD 28 State SA 10H FTP 1867FSL_100FEL AD	2631.30	-267.25	-700.90	656098.349	590661.299



SPUR ENERGY PARTNERS LLC.
Eddy County, NM (NAD83) NMEZ Grid
Welch C Pad
Welch CD 28 State Com SA 10H
10H OH
10H OH AsDrilled
Created By: Mekka Williams
eSomnia Well Design
mekka@esominawell.com

SPUR ENERGY PARTNERS LLC.

Eddy County, NM (NAD83) NMEZ Grid

Welch C Pad

Welch CD 28 State Com SA 10H

10H OH

Design: 10H OH AsDrilled

Standard Survey Report

25 March, 2024

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Welch CD 28 State Com SA 10H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3681+20 @ 3701.00usft (Akita)
Site:	Welch C Pad	MD Reference:	3681+20 @ 3701.00usft (Akita)
Well:	Welch CD 28 State Com SA 10H	North Reference:	Grid
Wellbore:	10H OH	Survey Calculation Method:	Minimum Curvature
Design:	10H 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	Welch C Pad			
Site Position:		Northing:	657,726.200 usft	Latitude: 32.8080121
From:	Map	Easting:	591,586.600 usft	Longitude: -104.1697828
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.09 °

Well	Welch CD 28 State Com SA 10H			
Well Position	+N/-S	0.00 usft	Northing:	656,365.600 usft
	+E/-W	0.00 usft	Easting:	591,362.200 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft
			Ground Level:	3,681.00 usft

Wellbore	10H OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	02/05/24	6.83	60.27	47,362.00000000

Design	10H 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	268.56

Survey Program	Date	03/25/24		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
187.00	1,116.00	Survey #1 Transcend (10H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction
1,221.00	6,806.00	Survey #2 (10H OH)	MWD+IFR1+SAG+FDIR	OWSG MWD + IFR1 + Sag + FDIR Correction
6,870.00	6,870.00	Survey #3 (10H 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
Welch CD 28 State SA 10H SHL 2124FSL_598FWL									
187.00	0.50	212.40	187.00	-0.69	-0.44	0.45	0.27	0.27	0.00
286.00	0.40	233.15	285.99	-1.26	-0.95	0.98	0.19	-0.10	20.96
380.00	1.40	151.23	379.98	-2.46	-0.66	0.72	1.49	1.06	-87.15
474.00	3.30	113.44	473.91	-4.55	2.38	-2.27	2.51	2.02	-40.20
569.00	5.70	116.08	568.61	-7.71	9.13	-8.93	2.54	2.53	2.78
663.00	7.80	117.31	661.95	-12.69	18.99	-18.66	2.24	2.23	1.31

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Welch CD 28 State Com SA 10H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3681+20 @ 3701.00usft (Akita)
Site:	Welch C Pad	MD Reference:	3681+20 @ 3701.00usft (Akita)
Well:	Welch CD 28 State Com SA 10H	North Reference:	Grid
Wellbore:	10H OH	Survey Calculation Method:	Minimum Curvature
Design:	10H 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)	
757.00	9.20	119.06	754.91	-19.27	31.23	-30.73	1.51	1.49	1.86	
851.00	11.90	132.95	847.33	-29.52	44.89	-44.14	3.93	2.87	14.78	
946.00	12.30	135.24	940.22	-43.38	59.19	-58.08	0.66	0.42	2.41	
1,040.00	12.80	135.94	1,031.98	-57.97	73.48	-72.00	0.56	0.53	0.74	
1,116.00	13.10	137.35	1,106.04	-70.36	85.17	-83.37	0.57	0.39	1.86	
1,221.00	12.60	137.76	1,208.41	-87.59	100.93	-98.70	0.48	-0.48	0.39	
1,346.00	13.91	137.98	1,330.08	-108.85	120.15	-117.38	1.05	1.05	0.18	
1,471.00	12.67	138.04	1,451.73	-130.20	139.38	-136.06	0.99	-0.99	0.05	
1,596.00	13.73	136.37	1,573.43	-151.13	158.78	-154.93	0.90	0.85	-1.34	
1,721.00	11.17	185.47	1,695.80	-173.99	167.89	-163.46	8.43	-2.05	39.28	
ESTKOP 1950FSL_765FWL										
1,784.00	11.73	204.63	1,757.57	-185.89	164.63	-159.91	6.07	0.89	30.41	
1,847.00	10.80	221.63	1,819.37	-196.12	158.04	-153.06	5.45	-1.48	26.98	
1,908.00	11.22	240.25	1,879.27	-203.34	149.09	-143.93	5.84	0.69	30.52	
1,970.00	14.28	248.41	1,939.74	-209.15	136.74	-131.44	5.72	4.94	13.16	
2,032.00	18.74	253.20	1,999.17	-214.85	120.09	-114.65	7.52	7.19	7.73	
2,095.00	23.57	257.44	2,057.91	-220.52	98.09	-92.52	8.04	7.67	6.73	
2,157.00	27.63	260.10	2,113.81	-225.69	71.81	-66.12	6.80	6.55	4.29	
2,221.00	31.87	261.85	2,169.37	-230.63	40.46	-34.65	6.76	6.63	2.73	
2,283.00	35.98	262.65	2,220.80	-235.29	6.17	-0.26	6.67	6.63	1.29	
2,346.00	39.92	262.23	2,270.47	-240.39	-32.22	38.25	6.27	6.25	-0.67	
2,408.00	44.57	263.43	2,316.36	-245.57	-73.57	79.72	7.61	7.50	1.94	
2,470.00	49.04	264.87	2,358.78	-250.16	-118.52	124.77	7.41	7.21	2.32	
2,533.00	53.98	266.42	2,397.98	-253.88	-167.67	174.00	8.07	7.84	2.46	
2,597.00	58.54	267.68	2,433.52	-256.60	-220.81	227.19	7.31	7.13	1.97	
2,628.00	59.65	268.79	2,449.44	-257.42	-247.39	253.79	4.72	3.58	3.58	
2,659.00	59.90	269.16	2,465.05	-257.90	-274.18	280.57	1.31	0.81	1.19	
2,690.00	59.85	268.77	2,480.61	-258.38	-300.98	307.38	1.10	-0.16	-1.26	
2,722.00	59.84	268.93	2,496.68	-258.93	-328.65	335.05	0.43	-0.03	0.50	
2,753.00	59.68	269.01	2,512.29	-259.42	-355.43	361.83	0.56	-0.52	0.26	
2,785.00	59.58	268.96	2,528.47	-259.91	-383.03	389.44	0.34	-0.31	-0.16	
2,816.00	59.48	268.89	2,544.19	-260.41	-409.74	416.16	0.38	-0.32	-0.23	
2,847.00	61.87	268.95	2,559.37	-260.92	-436.76	443.18	7.71	7.71	0.19	
2,909.00	67.69	268.58	2,585.78	-262.13	-492.82	499.25	9.40	9.39	-0.60	
2,971.00	72.87	268.07	2,606.69	-263.84	-551.14	557.59	8.39	8.35	-0.82	
3,022.20	78.73	268.70	2,619.25	-265.23	-600.73	607.21	11.51	11.45	1.23	
SECX 1867FSL_0FWL/FEL										
3,033.00	79.97	268.83	2,621.24	-265.46	-611.34	617.82	11.51	11.45	1.20	
3,033.37	80.00	268.83	2,621.31	-265.47	-611.71	618.18	8.03	8.03	-0.06	
80° 1867FSL_11FEL										
3,096.00	85.03	268.79	2,629.46	-266.76	-673.77	680.26	8.03	8.03	-0.06	
3,123.20	87.22	269.13	2,631.30	-267.25	-700.90	707.40	8.16	8.06	1.24	
FTP 1867FSL_100FEL										
3,123.24	87.22	269.13	2,631.30	-267.25	-700.94	707.44	0.00	0.00	0.00	

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Welch CD 28 State Com SA 10H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3681+20 @ 3701.00usft (Akita)
Site:	Welch C Pad	MD Reference:	3681+20 @ 3701.00usft (Akita)
Well:	Welch CD 28 State Com SA 10H	North Reference:	Grid
Wellbore:	10H OH	Survey Calculation Method:	Minimum Curvature
Design:	10H 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)
Welch CD 28 State SA 10H FTP p2 1860FSL_100FEL									
3,158.00	90.03	269.56	2,632.13	-267.65	-735.69	742.18	8.17	8.07	1.24
3,315.00	92.64	269.25	2,628.48	-269.28	-892.62	899.11	1.67	1.66	-0.20
3,441.00	91.01	267.09	2,624.46	-273.30	-1,018.48	1,025.03	2.15	-1.29	-1.71
3,568.00	91.07	267.44	2,622.16	-279.36	-1,145.31	1,151.97	0.28	0.05	0.28
3,693.00	91.46	267.52	2,619.40	-284.85	-1,270.16	1,276.92	0.32	0.31	0.06
3,820.00	91.88	268.15	2,615.70	-289.65	-1,397.02	1,403.86	0.60	0.33	0.50
3,944.00	90.20	268.18	2,613.45	-293.62	-1,520.93	1,527.83	1.36	-1.35	0.02
4,068.00	90.78	268.38	2,612.39	-297.34	-1,644.87	1,651.82	0.49	0.47	0.16
4,195.00	91.26	268.62	2,610.13	-300.67	-1,771.80	1,778.80	0.42	0.38	0.19
4,320.00	91.77	268.78	2,606.82	-303.50	-1,896.73	1,903.76	0.43	0.41	0.13
4,446.00	90.70	268.49	2,604.11	-306.50	-2,022.66	2,029.72	0.88	-0.85	-0.23
4,568.00	91.23	268.58	2,602.05	-309.62	-2,144.60	2,151.71	0.44	0.43	0.07
4,696.00	89.75	268.49	2,600.96	-312.89	-2,272.55	2,279.70	1.16	-1.16	-0.07
4,816.00	90.14	268.21	2,601.07	-316.35	-2,392.50	2,399.70	0.40	0.33	-0.23
4,936.00	90.53	267.94	2,600.37	-320.38	-2,512.43	2,519.69	0.40	0.33	-0.23
5,055.00	91.12	267.78	2,598.66	-324.82	-2,631.34	2,638.67	0.51	0.50	-0.13
5,174.00	91.85	267.74	2,595.57	-329.47	-2,750.21	2,757.62	0.61	0.61	-0.03
5,294.00	90.95	267.72	2,592.64	-334.22	-2,870.07	2,877.57	0.75	-0.75	-0.02
5,412.00	91.32	270.28	2,590.30	-336.28	-2,988.02	2,995.53	2.19	0.31	2.17
5,531.00	90.00	270.24	2,588.93	-335.74	-3,107.01	3,114.47	1.11	-1.11	-0.03
5,651.00	89.75	270.03	2,589.19	-335.46	-3,227.01	3,234.42	0.27	-0.21	-0.18
5,771.00	90.87	270.09	2,588.55	-335.33	-3,347.01	3,354.38	0.93	0.93	0.05
5,896.00	88.68	267.89	2,589.04	-337.54	-3,471.97	3,479.36	2.48	-1.75	-1.76
6,021.00	89.38	268.41	2,591.15	-341.57	-3,596.89	3,604.33	0.70	0.56	0.42
6,146.00	89.83	269.20	2,592.01	-344.18	-3,721.86	3,729.33	0.73	0.36	0.63
6,271.00	90.34	269.72	2,591.83	-345.36	-3,846.85	3,854.31	0.58	0.41	0.42
6,396.00	90.87	269.23	2,590.51	-346.50	-3,971.84	3,979.29	0.58	0.42	-0.39
6,521.00	91.63	269.96	2,587.78	-347.38	-4,096.80	4,104.24	0.84	0.61	0.58
6,646.00	89.80	267.70	2,586.22	-349.94	-4,221.75	4,229.21	2.33	-1.46	-1.81
6,772.00	90.00	268.06	2,586.44	-354.60	-4,347.67	4,355.20	0.33	0.16	0.29
6,806.00	90.31	268.24	2,586.35	-355.70	-4,381.65	4,389.20	1.05	0.91	0.53
6,823.00	90.31	268.24	2,586.26	-356.22	-4,398.64	4,406.20	0.00	0.00	0.00
LTP 1871FSL_1398FWL - Welch CD 28 State SA 10H LTP p2 1860FSL_1398FWL									
6,870.00	90.31	268.24	2,586.00	-357.66	-4,445.62	4,453.20	0.00	0.00	0.00
TD 1871FSL_1351FWL - Welch CD 28 State SA 10H PBHL p2 1860FSL_1348FWL									

Survey Report

Company:	SPUR ENERGY PARTNERS LLC.	Local Co-ordinate Reference:	Well Welch CD 28 State Com SA 10H
Project:	Eddy County, NM (NAD83) NMEZ Grid	TVD Reference:	3681+20 @ 3701.00usft (Akita)
Site:	Welch C Pad	MD Reference:	3681+20 @ 3701.00usft (Akita)
Well:	Welch CD 28 State Com SA 10H	North Reference:	Grid
Wellbore:	10H OH	Survey Calculation Method:	Minimum Curvature
Design:	10H OH AsDrilled	Database:	PRIME_EDM

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Welch CD 28 State SA 1	0.00	0.00	0.00	0.00	0.00	656,365.600	591,362.200	32.8042732	-104.1705200
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	1,695.80	-173.99	167.89	656,191.612	591,530.085	32.8037943	-104.1699744
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,585.00	-368.00	-4,448.90	655,997.600	586,913.300	32.8032797	-104.1850013
- actual wellpath misses target center by 10.89usft at 6870.00usft MD (2586.00 TVD, -357.66 N, -4445.62 E)									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,586.00	-357.66	-4,445.62	656,007.939	586,916.584	32.8033081	-104.1849905
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,586.26	-356.22	-4,398.64	656,009.382	586,963.561	32.8033119	-104.1848376
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,586.35	-3,585.70	-4,381.65	652,779.900	586,980.550	32.7944351	-104.1847971
- actual wellpath misses target center by 3228.67usft at 6870.00usft MD (2586.00 TVD, -357.66 N, -4445.62 E)									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,619.25	-265.23	-600.73	656,100.367	590,761.469	32.8035467	-104.1724764
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,621.31	-265.47	-611.71	656,100.131	590,750.494	32.8035461	-104.1725122
- actual wellpath hits target center									
- Point									
Welch CD 28 State SA 1	0.00	0.00	2,631.30	-267.25	-700.90	656,098.349	590,661.299	32.8035416	-104.1728025
- actual wellpath hits target center									
- Point									

Design Annotations					
	Measured Depth	Vertical Depth	Local Coordinates		
	(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	Comment
	1,721.00	1,695.80	-173.99	167.89	ESTKOP 1950FSL_765FWL
	3,022.20	2,619.25	-265.23	-600.73	SECX 1867FSL_0FWL/FEL
	3,033.37	2,621.31	-265.47	-611.71	80° 1867FSL_11FEL
	3,123.20	2,631.30	-267.25	-700.90	FTP 1867FSL_100FEL
	6,823.00	2,586.26	-356.22	-4,398.64	LTP 1871FSL_1398FWL
	6,870.00	2,586.00	-357.66	-4,445.62	TD 1871FSL_1351FWL

Checked By: _____

Approved By: _____

Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code	3 Pool Name
4 Property Code	5 Property Name WELCH CD 28 STATE COM SA		6 Well Number 10H
7 OGRID NO.	8 Operator Name SPUR ENERGY PARTNERS LLC.		9 Elevation 3681'

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	27	17S	28E		2124	SOUTH	598	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
K	28	17S	28E		1860	SOUTH	1348	WEST	EDDY

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

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

<u>GEODETIC DATA</u> NAD 83 GRID - NM EAST		<u>CORNER DATA</u> NAD 83 GRID - NM EAST	
<u>SURFACE LOCATION (SL)</u> N: 656365.6 - E: 591362.2 LAT: 32.8042733° N LONG: 104.1705199° W		G: FOUND BRASS CAP "1941" N: 659475.1 - E: 596017.9	
<u>FIRST TAKE POINT (FTP)</u> 1860' FSL & 100' FFL - SEC 28 N: 656091.9 - E: 590661.3 LAT: 32.8035238° N LONG: 104.1728026° W		H: FOUND BRASS CAP "1941" N: 656886.5 - E: 595997.7	
<u>LAST TAKE POINT (LTP)</u> 1860' FSL & 1398' FWL - SEC 28 N: 655998.8 - E: 586963.3 LAT: 32.8032829° N LONG: 104.1848387° W		I: FOUND BRASS CAP "1941" N: 654298.0 - E: 595977.3	
<u>BOTTOM HOLE (BH)</u> N: 655997.6 - E: 586913.3 LAT: 32.8032796° N LONG: 104.1850013° W		J: FOUND BRASS CAP "1941" N: 654266.7 - E: 593360.1	
		K: FOUND BRASS CAP "1941" N: 654235.0 - E: 590741.9	
		L: FOUND BRASS CAP "1941" N: 654169.8 - E: 588139.7	
		M: FOUND BRASS CAP "1941" N: 656846.0 - E: 590769.0	

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature
Date

Printed Name _____

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

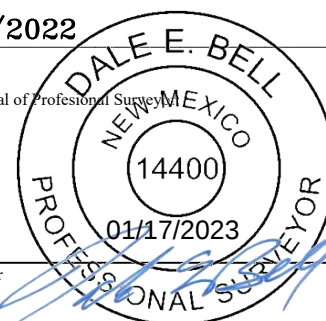
12/15/2022

Date of Survey _____

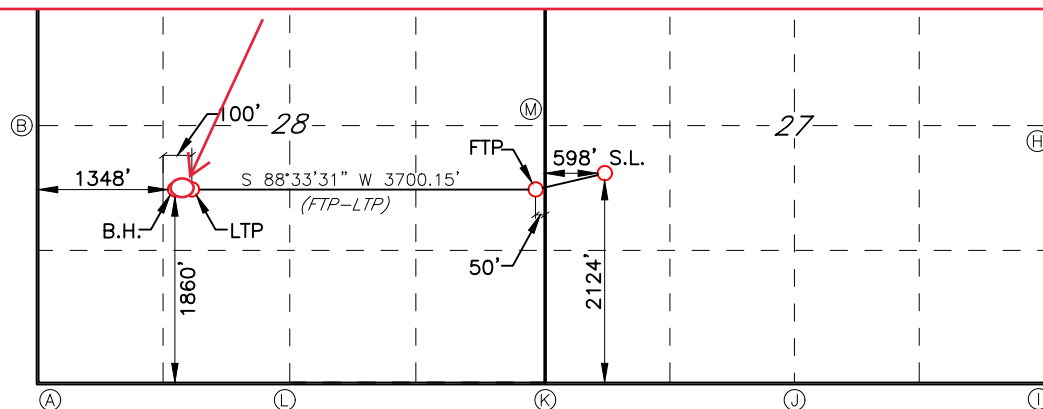
Signature and Seal of Professional Surveyor

14400

Certificate Number



LS22121338



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: WELCH CD 28 SA STATE COM 10H	Property Code: 334570
Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal	API Number: 30-0 15-54024
Pool Name: RED LAKE; QUEEN-GRAYBURG-SA	Pool Code: 51300

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	27	17S	28E		2124'	SOUTH	598	WEST	EDDY
BHL	K	28	17S	28E		1870'	SOUTH	1351	WEST	EDDY

Section 3 – Completion Information

Date T.D. Reached 03/21/2024	Total Measured Depth of Well 6870'M/2583'V	Acid Volume (bbls) 512	☒ Directional Survey Submitted ☐ Deviation Survey Submitted
Date Rig Released 03/22/2024	Plug-Back Measured Depth 6824'M/2583'V	Completion Fluid Used (bbls) 208,346	Were Logs Ran (Y/N) Y
Completion Date 07/18/2024	Perforations (MD and TVD) 3129'-6800'MD/2631'-2586'TVD	Completion Proppant Used (lbs) 3,823,740	List Type of Logs Ran if applicable: GAMMA

Section 4 – Action IDs for Submissions and Order Numbers

Surface Casing Action ID: 360152	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: 360152	Cement Squeeze Action ID (if applicable):
Tubing Action ID: 370598	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):

Section 5 – Test Data

Date First Production 09/02/2024	Production Method PUMPING ON ESP	Well Status PRODUCING	Gas – Oil Ratio
Date of Test 09/13/2024	Choke Size N/A	Flowing Tubing Pressure 131	Casing Pressure 122
24 hr Oil (bbls) 430	24 hr Gas (MCF) 846	24 hr Water (bbls) 1668	Oil Gravity - API
Disposition of Gas: SOLD			

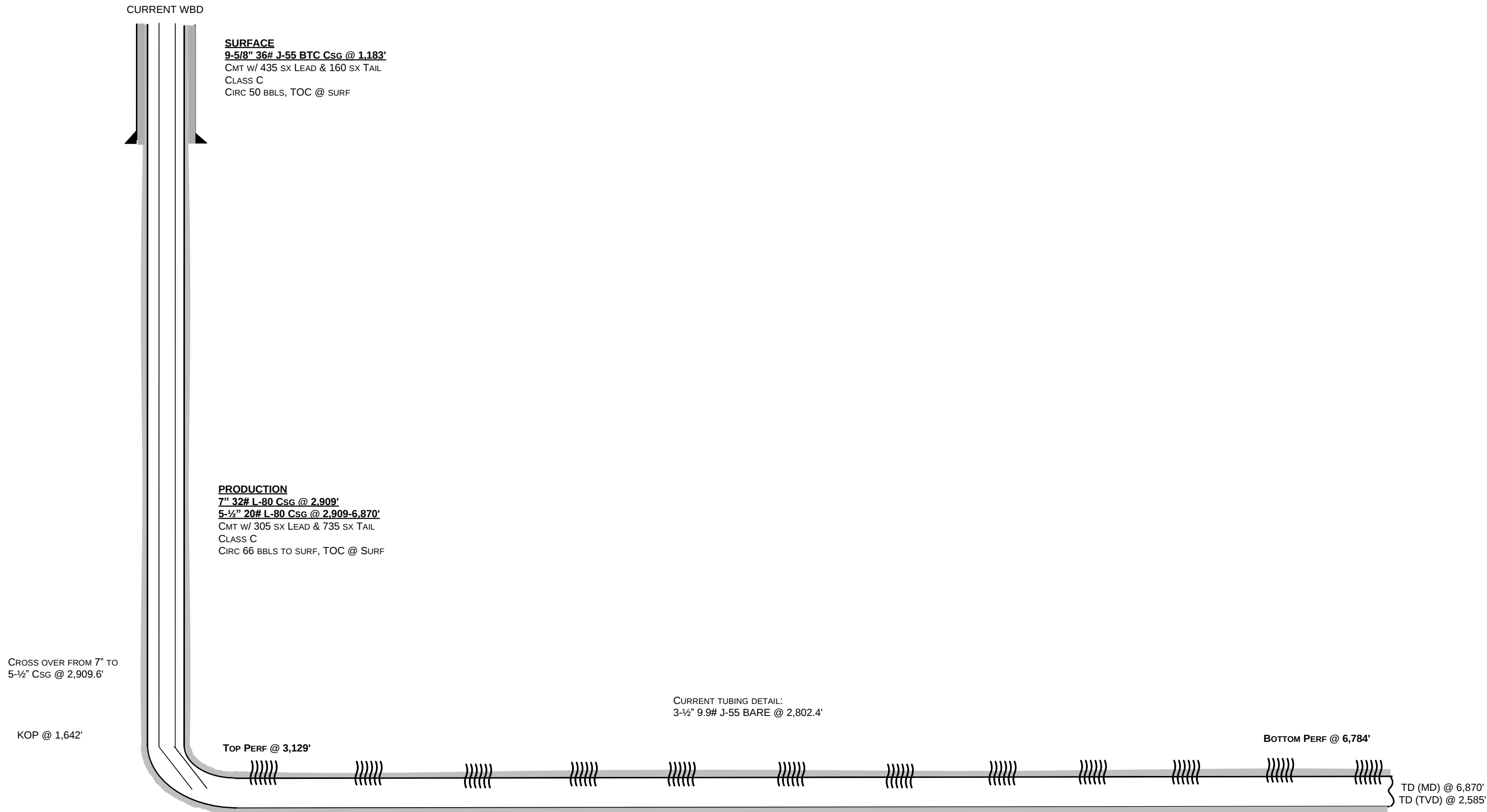
Section 6 – Pits

☐ 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 02/24/2025

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	495'	495'	N/A	T. Kirtland			
T. 7 Rivers	755'	755'	O/G	T. Fruitland			
T. Queen	1330'	1330'	O/G	T. Pictured Cliffs			
T. Grayburg	1745'	1690'	O/G	T. Lewis Shale			
T. San Andres	2020'	1999'	O/G	T. Chacra			
T. Glorieta	3475'	2624'	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							



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 434654

ACKNOWLEDGMENTS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 434654
	Action Type: [C-104] Completion Packet - Tight Hole/Confidential (C-104CT)

ACKNOWLEDGMENTS

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

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

CONDITIONS

Action 434654

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 434654
	Action Type: [C-104] Completion Packet - Tight Hole/Confidential (C-104CT)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	Future submittal of C-105 -if well is an infill well then indicate the defining well.	2/25/2025