

District I
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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

NMOCD Rec'd: 9/24/2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-45452	² Pool Code 92880	³ Pool Name PURPLE SAGE;WOLFCAMP
⁴ Property Code 325573	⁵ Property Name POKER LAKE UNIT 15 TWR	
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	
		⁶ Well Number 108H
		⁹ Elevation 3,567'

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
P	15	24 S	31 E		330	SOUTH	1,200	EAST	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
P	27	24 S	31 E		200	SOUTH	332	EAST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY

16

GEODETIC COORDINATES
NAD 27 NME SURFACE LOCATION
Y = 440,914.4
X = 677,155.7
LAT. = 32.210893°N
LONG. = 103.760543°W

GEODETIC COORDINATES
NAD 83 NME SURFACE LOCATION
Y = 440,973.1
X = 718,339.8
LAT. = 32.211017°N
LONG. = 103.761026°W

FIRST TAKE POINT
NAD 27 NME
Y = 440,157.9
X = 678,000.3
LAT. = 32.208801°N
LONG. = 103.757825°W

FIRST TAKE POINT
NAD 83 NME
Y = 440,216.6
X = 719,184.5
LAT. = 32.208925°N
LONG. = 103.758308°W

CORNER COORDINATES TABLE
NAD 27 NME

A - Y = 440,591.7 N, X = 678,357.7 E
B - Y = 440,583.7 N, X = 677,034.9 E
C - Y = 437,951.4 N, X = 678,374.1 E
D - Y = 437,942.8 N, X = 677,052.2 E
E - Y = 435,311.6 N, X = 678,390.4 E
F - Y = 435,302.7 N, X = 677,069.3 E
G - Y = 432,666.2 N, X = 678,407.4 E
H - Y = 432,658.6 N, X = 677,086.5 E
I - Y = 430,027.6 N, X = 678,423.2 E
J - Y = 430,019.8 N, X = 677,103.0 E

CORNER COORDINATES TABLE
NAD 83 NME

A - Y = 440,650.4 N, X = 719,541.9 E
B - Y = 440,642.4 N, X = 718,219.0 E
C - Y = 438,010.1 N, X = 719,558.4 E
D - Y = 438,001.5 N, X = 718,236.4 E
E - Y = 435,370.2 N, X = 719,574.8 E
F - Y = 435,361.3 N, X = 718,253.7 E
G - Y = 432,724.7 N, X = 719,591.9 E
H - Y = 432,717.2 N, X = 718,271.0 E
I - Y = 430,086.1 N, X = 719,607.8 E
J - Y = 430,078.3 N, X = 718,287.6 E

LAST TAKE POINT
NAD 27 NME
Y = 430,415.8
X = 678,082.0
LAT. = 32.182020°N
LONG. = 103.757729°W

LAST TAKE POINT
NAD 83 NME
Y = 430,474.3
X = 719,266.6
LAT. = 32.182144°N
LONG. = 103.758211°W

BOTTOM HOLE LOCATION
NAD 27 NME
Y = 430,225.9
X = 678,089.7
LAT. = 32.181498°N
LONG. = 103.757708°W

BOTTOM HOLE LOCATION
NAD 83 NME
Y = 430,284.4
X = 719,274.3
LAT. = 32.181622°N
LONG. = 103.758189°W

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.

Cheryl Rowell 5/14/20
Signature Date

Cheryl Rowell
Printed Name

cheryl_rowell@xtoenergy.com
E-mail Address

18 SURVEYOR CERTIFICATION

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

5-14-2020
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
Certificate Number

23786
Professional Surveyor

JC 2017070978

Intent As Drilled

API # 30-015-45052			
Operator Name: XTO PERMIAN OPERATING, LLC		Property Name: POKER LAKE UNIT 15 TWR	Well Number 108H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	15	24S	31E		83	S	442	W	EDDY
Latitude 32.210338					Longitude 103.758575				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	22	24S	31E		432	N	360	E	EDDY
Latitude 32.208925					Longitude 103.758308				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
P	27	24S	31E		355	S	338	W	EDDY
Latitude 32.182144					Longitude 103.758211				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? No

Is this well an infill well? Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-45202			
Operator Name: XTO Permian Operating LLC		Property Name: Poker Lake Unit 15 TWR	Well Number 127H



MWD SURVEY CERTIFICATION
Gordon Technologies, LLC

State Of New Mexico

County Of Eddy

I, Marcus Mitcham certify that; I am employed by Gordon Technologies, LLC.;

that I did on the day(s) of August 8, 2019 through October 4, 2019 conduct

or supervise the taking of a MWD survey from a depth of 177 feet to a depth of

 22,022 feet; that the data is true, correct, complete and within the limitations of the

tool set forth by Gordon Technologies, LLC.; that I am authorized and qualified to make this report;

that this survey was conducted at the request of XTO Permian Operating LLC for the

 PLU 15 TWR 108H Well, A.P.I. No. 30-015-45452 in

 Delaware Basin / Purple Sage WO Field and that I have reviewed this report and find that

it conforms to the principles and procedures set forth by Gordon Technologies, LLC.

Signature

MWD Coordinator

Title

Survey Report

Company: XTO Energy	Local Co-ordinate Reference: Well PLU 15 TWIN WELLS RANCH 108H
Project: Eddy County, NM (NAD27) NMEZ Grid	TVD Reference: 3567+32 @ 3599.00usft (Pat793ad)
Site: PLU 15 TWIN WELLS RANCH	MD Reference: 3567+32 @ 3599.00usft (Pat793ad)
Well: PLU 15 TWIN WELLS RANCH 108H	North Reference: Grid
Wellbore: 15-108H Lateral	Survey Calculation Method: Minimum Curvature
Design: 15-108H Lateral AsDrilled	Database: PREDATOR_EDM

Project Eddy County, NM (NAD27) NMEZ Grid		
Map System: US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum: NAD 1927 (NADCON CONUS)		
Map Zone: New Mexico East 3001		

Site PLU 15 TWIN WELLS RANCH					
Site Position:		Northing:	440,894.90 usft	Latitude:	32.21088250
From: Map		Easting:	674,201.00 usft	Longitude:	-103.77009603
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.30 °

Well PLU 15 TWIN WELLS RANCH 108H						
Well Position	+N/-S	0.00 usft	Northing:	440,914.40 usft	Latitude:	32.21089318
	+E/-W	0.00 usft	Easting:	677,155.70 usft	Longitude:	-103.76054279
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,567.00 usft

Wellbore 15-108H Lateral					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IFR	07/16/19	6.85	59.90	47,871.00000000

Design 15-108H Lateral 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	174.99	

Survey Program		Date 10/07/19
From (usft)	To (usft)	Survey (Wellbore)
177.00	11,140.00	Survey #1 (15-108H Lateral)
11,186.00	21,968.00	Survey #2 (15-108H Lateral)
22,022.00	22,022.00	Survey #3 (15-108H Lateral)
		Tool Name
		MWD
		MWD+IFR1+MS
		Projection
		Description
		OWSG MWD - Standard
		OWSG MWD + IFR1 + Multi-Station Correction
		Projection

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
PLU 15 TWR 108H SHL									
177.00	0.83	134.55	176.99	-0.90	0.91	0.98	0.47	0.47	0.00
208.00	0.94	136.98	207.99	-1.24	1.25	1.35	0.37	0.35	7.84
300.00	0.65	134.82	299.98	-2.16	2.13	2.34	0.32	-0.32	-2.35
390.00	0.58	156.12	389.98	-2.94	2.68	3.16	0.26	-0.08	23.67
480.00	0.84	164.97	479.97	-3.99	3.03	4.24	0.31	0.29	9.83
510.00	1.11	155.23	509.96	-4.47	3.21	4.73	1.05	0.90	-32.47
574.00	1.08	187.24	573.95	-5.63	3.40	5.90	0.94	-0.05	50.02

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
669.00	1.11	174.94	668.94	-7.43	3.36	7.70	0.25	0.03	-12.95	
764.00	1.38	180.78	763.91	-9.50	3.43	9.76	0.31	0.28	6.15	
853.00	1.51	186.40	852.89	-11.73	3.29	11.97	0.22	0.15	6.31	
960.00	1.88	182.45	959.84	-14.89	3.05	15.10	0.36	0.35	-3.69	
1,054.00	1.58	164.70	1,053.80	-17.68	3.33	17.90	0.65	-0.32	-18.88	
1,148.00	2.16	142.90	1,147.75	-20.34	4.74	20.68	0.97	0.62	-23.19	
1,242.00	1.58	140.05	1,241.70	-22.75	6.64	23.24	0.62	-0.62	-3.03	
1,336.00	1.18	136.36	1,335.67	-24.44	8.14	25.06	0.44	-0.43	-3.93	
1,431.00	0.59	84.74	1,430.66	-25.10	9.30	25.82	0.99	-0.62	-54.34	
1,525.00	1.50	28.29	1,524.64	-23.98	10.37	24.79	1.35	0.97	-60.05	
1,620.00	2.87	22.16	1,619.57	-20.68	11.85	21.63	1.46	1.44	-6.45	
1,713.00	2.96	25.90	1,712.45	-16.36	13.78	17.50	0.23	0.10	4.02	
1,808.00	2.94	30.23	1,807.33	-12.05	16.08	13.41	0.24	-0.02	4.56	
1,902.00	2.44	18.52	1,901.22	-8.07	17.93	9.60	0.79	-0.53	-12.46	
1,996.00	1.07	351.68	1,995.18	-5.30	18.44	6.89	1.66	-1.46	-28.55	
2,091.00	0.99	290.53	2,090.17	-4.14	17.54	5.65	1.11	-0.08	-64.37	
2,185.00	2.05	285.51	2,184.13	-3.40	15.16	4.71	1.14	1.13	-5.34	
2,280.00	1.23	272.17	2,279.09	-2.91	12.50	3.99	0.95	-0.86	-14.04	
2,374.00	0.95	232.05	2,373.08	-3.35	10.88	4.29	0.84	-0.30	-42.68	
2,468.00	1.67	230.45	2,467.05	-4.70	9.21	5.49	0.77	0.77	-1.70	
2,563.00	1.57	223.46	2,562.01	-6.53	7.25	7.14	0.23	-0.11	-7.36	
2,657.00	1.23	224.76	2,655.99	-8.18	5.65	8.64	0.36	-0.36	1.38	
2,752.00	2.10	218.99	2,750.94	-10.26	3.84	10.55	0.93	0.92	-6.07	
2,846.00	2.88	204.57	2,844.86	-13.74	1.77	13.85	1.06	0.83	-15.34	
2,941.00	3.62	168.76	2,939.71	-18.86	1.36	18.90	2.23	0.78	-37.69	
3,035.00	4.71	142.09	3,033.47	-24.81	4.31	25.09	2.33	1.16	-28.37	
3,129.00	5.04	113.44	3,127.14	-29.50	10.48	30.30	2.59	0.35	-30.48	
3,224.00	6.23	107.44	3,221.68	-32.71	19.22	34.26	1.40	1.25	-6.32	
3,318.00	4.55	109.44	3,315.27	-35.48	27.60	37.75	1.80	-1.79	2.13	
3,413.00	4.21	112.07	3,409.99	-38.04	34.39	40.90	0.42	-0.36	2.77	
3,507.00	3.47	113.99	3,503.78	-40.49	40.19	43.85	0.80	-0.79	2.04	
3,602.00	2.62	116.46	3,598.64	-42.63	44.76	46.38	0.91	-0.89	2.60	
3,696.00	2.59	117.32	3,692.54	-44.56	48.57	48.63	0.05	-0.03	0.91	
3,790.00	4.76	117.95	3,786.35	-47.36	53.90	51.89	2.31	2.31	0.67	
3,885.00	6.68	117.54	3,880.87	-51.77	62.28	57.01	2.02	2.02	-0.43	
3,977.00	6.00	118.12	3,972.30	-56.51	71.27	62.52	0.74	-0.74	0.63	
4,072.00	5.20	122.40	4,066.85	-61.15	79.28	67.84	0.95	-0.84	4.51	
4,167.00	4.97	129.10	4,161.48	-66.06	86.11	73.32	0.67	-0.24	7.05	
4,261.00	4.83	133.46	4,255.13	-71.35	92.14	79.12	0.42	-0.15	4.64	
4,356.00	4.49	120.16	4,349.82	-75.97	98.26	84.26	1.19	-0.36	-14.00	
4,543.00	4.10	109.64	4,536.30	-81.89	110.89	91.26	0.47	-0.21	-5.63	
4,638.00	4.17	108.10	4,631.05	-84.11	117.37	94.03	0.14	0.07	-1.62	
4,732.00	4.03	107.51	4,724.81	-86.16	123.77	96.64	0.16	-0.15	-0.63	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
4,826.00	5.11	116.15	4,818.51	-89.00	130.67	100.07	1.36	1.15	9.19	
4,920.00	6.06	121.70	4,912.07	-93.45	138.65	105.20	1.16	1.01	5.90	
5,014.00	5.95	122.51	5,005.55	-98.68	146.98	111.14	0.15	-0.12	0.86	
5,109.00	6.07	122.29	5,100.03	-104.01	155.38	117.18	0.13	0.13	-0.23	
5,203.00	6.08	121.56	5,193.50	-109.27	163.82	123.16	0.08	0.01	-0.78	
5,297.00	6.29	120.06	5,286.95	-114.45	172.52	129.08	0.28	0.22	-1.60	
5,391.00	6.07	120.46	5,380.41	-119.55	181.26	134.92	0.24	-0.23	0.43	
5,485.00	6.04	118.64	5,473.88	-124.44	189.89	140.55	0.21	-0.03	-1.94	
5,580.00	5.93	118.48	5,568.37	-129.18	198.59	146.03	0.12	-0.12	-0.17	
5,673.00	5.99	119.57	5,660.86	-133.86	207.03	151.43	0.14	0.06	1.17	
5,768.00	5.99	117.66	5,755.34	-138.61	215.73	156.92	0.21	0.00	-2.01	
5,862.00	6.33	109.12	5,848.80	-142.58	224.97	161.69	1.04	0.36	-9.09	
5,956.00	6.53	105.12	5,942.21	-145.68	235.03	165.64	0.52	0.21	-4.26	
6,050.00	6.43	105.52	6,035.61	-148.48	245.26	169.33	0.12	-0.11	0.43	
6,144.00	6.63	104.81	6,129.00	-151.27	255.58	173.02	0.23	0.21	-0.76	
6,239.00	6.38	104.55	6,223.39	-154.00	265.99	176.64	0.26	-0.26	-0.27	
6,333.00	6.66	103.88	6,316.78	-156.62	276.34	180.16	0.31	0.30	-0.71	
6,428.00	6.98	102.19	6,411.11	-159.16	287.33	183.65	0.40	0.34	-1.78	
6,523.00	7.13	102.74	6,505.39	-161.68	298.72	187.15	0.17	0.16	0.58	
6,618.00	7.14	101.78	6,599.66	-164.19	310.25	190.65	0.13	0.01	-1.01	
6,712.00	6.99	100.45	6,692.94	-166.42	321.59	193.87	0.24	-0.16	-1.41	
6,806.00	7.27	100.19	6,786.21	-168.51	333.07	196.95	0.30	0.30	-0.28	
6,900.00	7.19	100.31	6,879.47	-170.61	344.71	200.06	0.09	-0.09	0.13	
6,994.00	7.25	101.06	6,972.72	-172.80	356.32	203.26	0.12	0.06	0.80	
7,088.00	7.14	102.29	7,065.98	-175.18	367.85	206.64	0.20	-0.12	1.31	
7,183.00	6.99	101.89	7,160.26	-177.63	379.28	210.07	0.17	-0.16	-0.42	
7,277.00	6.85	102.28	7,253.58	-180.00	390.35	213.40	0.16	-0.15	0.41	
7,371.00	6.68	103.93	7,346.92	-182.51	401.14	216.84	0.27	-0.18	1.76	
7,465.00	6.58	104.05	7,440.29	-185.13	411.67	220.38	0.11	-0.11	0.13	
7,557.00	6.56	105.43	7,531.69	-187.81	421.85	223.93	0.17	-0.02	1.50	
7,651.00	6.63	105.34	7,625.07	-190.68	432.26	227.70	0.08	0.07	-0.10	
7,745.00	6.46	104.89	7,718.45	-193.47	442.60	231.38	0.19	-0.18	-0.48	
7,840.00	6.65	104.58	7,812.83	-196.23	453.09	235.05	0.20	0.20	-0.33	
7,934.00	6.58	104.88	7,906.21	-198.98	463.56	238.70	0.08	-0.07	0.32	
8,029.00	6.13	99.39	8,000.62	-201.21	473.83	241.82	0.80	-0.47	-5.78	
8,123.00	5.78	95.87	8,094.12	-202.51	483.49	243.96	0.54	-0.37	-3.74	
8,217.00	5.69	97.45	8,187.65	-203.60	492.81	245.86	0.19	-0.10	1.68	
8,311.00	5.26	99.69	8,281.22	-204.93	501.68	247.96	0.51	-0.46	2.38	
8,405.00	5.18	102.37	8,374.83	-206.56	510.07	250.32	0.27	-0.09	2.85	
8,500.00	4.82	103.56	8,469.47	-208.42	518.14	252.87	0.39	-0.38	1.25	
8,594.00	4.34	107.68	8,563.17	-210.42	525.37	255.50	0.62	-0.51	4.38	
8,690.00	4.12	106.91	8,658.90	-212.53	532.13	258.19	0.24	-0.23	-0.80	
8,785.00	3.78	100.40	8,753.68	-214.09	538.48	260.29	0.59	-0.36	-6.85	
8,879.00	3.96	88.88	8,847.47	-214.58	544.77	261.34	0.85	0.19	-12.26	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
8,974.00	4.89	78.81	8,942.18	-213.73	552.02	261.12	1.27	0.98	-10.60	
9,068.00	5.73	77.56	9,035.78	-211.94	560.53	260.09	0.90	0.89	-1.33	
9,162.00	7.02	77.85	9,129.20	-209.72	570.73	258.76	1.37	1.37	0.31	
9,254.00	7.20	79.61	9,220.49	-207.50	581.90	257.53	0.31	0.20	1.91	
9,348.00	8.25	82.24	9,313.63	-205.53	594.38	256.65	1.18	1.12	2.80	
9,443.00	9.03	93.52	9,407.56	-205.07	608.57	257.43	1.96	0.82	11.87	
9,537.00	8.79	97.76	9,500.43	-206.49	623.05	260.11	0.74	-0.26	4.51	
9,632.00	7.98	98.31	9,594.41	-208.42	636.77	263.23	0.86	-0.85	0.58	
9,726.00	7.14	99.78	9,687.59	-210.36	648.98	266.23	0.92	-0.89	1.56	
9,822.00	6.58	101.06	9,782.91	-212.43	660.26	269.27	0.60	-0.58	1.33	
9,916.00	6.29	104.37	9,876.32	-214.74	670.53	272.47	0.50	-0.31	3.52	
10,011.00	5.67	105.30	9,970.80	-217.27	680.10	275.83	0.66	-0.65	0.98	
10,106.00	5.36	99.27	10,065.36	-219.22	689.01	278.55	0.69	-0.33	-6.35	
10,200.00	4.98	104.42	10,158.98	-220.94	697.29	280.99	0.64	-0.40	5.48	
10,295.00	4.95	103.61	10,253.62	-222.93	705.27	283.67	0.08	-0.03	-0.85	
10,389.00	4.78	103.04	10,347.28	-224.77	713.03	286.18	0.19	-0.18	-0.61	
10,484.00	4.59	108.36	10,441.96	-226.86	720.49	288.92	0.50	-0.20	5.60	
10,553.00	4.65	111.92	10,510.74	-228.78	725.71	291.28	0.42	0.09	5.16	
10,714.00	3.81	114.94	10,671.30	-233.47	736.61	296.90	0.54	-0.52	1.88	
10,808.00	4.19	98.34	10,765.07	-235.28	742.84	299.26	1.29	0.40	-17.66	
10,903.00	3.09	103.41	10,859.88	-236.38	748.76	300.87	1.21	-1.16	5.34	
10,997.00	2.58	128.16	10,953.77	-238.28	752.89	303.11	1.40	-0.54	26.33	
11,091.00	3.10	127.61	11,047.65	-241.13	756.57	306.28	0.55	0.55	-0.59	
11,140.00	3.39	118.01	11,096.58	-242.62	758.90	307.97	1.25	0.59	-19.59	
11,186.00	4.41	117.21	11,142.47	-244.07	761.67	309.65	2.22	2.22	-1.74	
11,230.00	5.55	115.39	11,186.30	-245.76	765.10	311.63	2.62	2.59	-4.14	
11,281.00	7.48	120.21	11,236.97	-248.48	770.20	314.80	3.93	3.78	9.45	
11,318.00	10.94	125.89	11,273.49	-251.75	775.12	318.48	9.66	9.35	15.35	
11,343.00	13.43	133.15	11,297.93	-255.13	779.16	322.20	11.68	9.96	29.04	
11,375.00	15.84	139.05	11,328.89	-260.97	784.74	328.51	8.85	7.53	18.44	
11,406.00	19.30	145.78	11,358.44	-268.41	790.40	336.41	12.93	11.16	21.71	
11,438.00	23.71	151.61	11,388.21	-278.45	796.43	346.93	15.30	13.78	18.22	
11,469.00	26.98	152.89	11,416.22	-290.19	802.60	359.17	10.69	10.55	4.13	
11,501.00	29.66	154.95	11,444.39	-303.83	809.26	373.34	8.91	8.37	6.44	
11,532.00	32.24	156.51	11,470.97	-318.36	815.81	388.39	8.72	8.32	5.03	
11,546.00	33.09	158.03	11,482.76	-325.33	818.73	395.59	8.45	6.08	10.88	
Wellpath Crosses Unit Line @ Heel										
11,564.00	34.21	159.89	11,497.74	-334.64	822.30	405.18	8.45	6.22	10.32	
11,595.00	36.23	163.76	11,523.07	-351.63	827.86	422.58	9.71	6.52	12.48	
11,627.00	38.34	167.08	11,548.53	-370.38	832.73	441.69	9.11	6.59	10.37	
11,659.00	40.68	170.32	11,573.22	-390.34	836.70	461.92	9.74	7.31	10.12	
11,690.00	43.35	172.49	11,596.25	-410.86	839.79	482.62	9.80	8.61	7.00	
11,722.00	46.18	174.84	11,618.97	-433.25	842.27	505.15	10.24	8.84	7.34	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
11,753.00	48.90	176.04	11,639.90	-456.04	844.08	528.01	9.23	8.77	3.87	
11,784.00	51.74	177.18	11,659.69	-479.86	845.49	551.86	9.59	9.16	3.68	
11,815.00	54.60	178.04	11,678.27	-504.65	846.52	576.64	9.49	9.23	2.77	
11,847.00	59.30	178.21	11,695.72	-531.45	847.39	603.42	14.69	14.69	0.53	
11,893.00	66.79	179.80	11,716.55	-572.41	848.09	644.29	16.57	16.28	3.46	
11,924.00	69.86	180.05	11,728.00	-601.22	848.12	672.99	9.93	9.90	0.81	
11,955.00	72.99	180.35	11,737.88	-630.60	848.02	702.25	10.14	10.10	0.97	
11,979.00	74.68	180.95	11,744.56	-653.65	847.76	725.19	7.43	7.03	2.51	
PLU 15 TWR 108H FTP_330FNL_330FEL										
11,981.00	74.82	181.00	11,745.08	-655.58	847.72	727.10	7.43	7.03	2.48	
Wellpath Crosses FTP										
11,987.00	75.24	181.15	11,746.63	-661.37	847.62	732.87	7.43	7.03	2.48	
12,018.00	76.89	181.61	11,754.10	-691.45	846.89	762.77	5.51	5.32	1.48	
12,050.00	80.91	181.65	11,760.26	-722.83	846.00	793.95	12.56	12.56	0.12	
12,082.00	85.03	182.88	11,764.17	-754.56	844.74	825.45	13.43	12.87	3.84	
12,113.00	86.80	183.00	11,766.38	-785.44	843.15	856.07	5.72	5.71	0.39	
12,143.90	88.47	182.01	11,767.66	-816.28	841.81	886.67	6.28	5.40	-3.19	
PLU 15 TWR 108H LP p1 (~163'PastFTP)										
12,207.00	91.88	180.00	11,767.47	-879.36	840.70	949.42	6.28	5.40	-3.19	
12,302.00	89.94	177.87	11,765.96	-974.32	842.46	1,044.17	3.03	-2.04	-2.24	
12,396.00	88.99	176.48	11,766.83	-1,068.20	847.09	1,138.09	1.79	-1.01	-1.48	
12,490.00	89.08	179.68	11,768.42	-1,162.12	850.24	1,231.93	3.41	0.10	3.40	
12,585.00	90.17	179.20	11,769.04	-1,257.11	851.17	1,326.64	1.25	1.15	-0.51	
12,679.00	90.00	177.29	11,768.90	-1,351.06	854.05	1,420.48	2.04	-0.18	-2.03	
12,774.00	90.45	176.83	11,768.53	-1,445.94	858.92	1,515.42	0.68	0.47	-0.48	
12,868.00	90.28	175.83	11,767.93	-1,539.74	864.94	1,609.39	1.08	-0.18	-1.06	
12,962.00	89.83	175.46	11,767.84	-1,633.47	872.08	1,703.39	0.62	-0.48	-0.39	
13,057.00	88.51	178.35	11,769.21	-1,728.31	877.21	1,798.31	3.34	-1.39	3.04	
13,150.00	88.57	178.45	11,771.58	-1,821.24	879.80	1,891.12	0.13	0.06	0.11	
13,243.00	88.49	177.64	11,773.97	-1,914.15	882.97	1,983.95	0.87	-0.09	-0.87	
13,338.00	88.74	177.38	11,776.27	-2,009.04	887.10	2,078.83	0.38	0.26	-0.27	
13,432.00	88.99	176.35	11,778.13	-2,102.88	892.24	2,172.76	1.13	0.27	-1.10	
13,526.00	87.84	178.89	11,780.73	-2,196.75	896.14	2,266.62	2.97	-1.22	2.70	
13,620.00	89.13	181.78	11,783.21	-2,290.70	895.59	2,360.16	3.37	1.37	3.07	
13,714.00	90.98	182.79	11,783.12	-2,384.62	891.84	2,453.40	2.24	1.97	1.07	
13,808.00	92.21	181.78	11,780.51	-2,478.51	888.10	2,546.60	1.69	1.31	-1.07	
13,902.00	90.76	180.17	11,778.07	-2,572.46	886.50	2,640.05	2.30	-1.54	-1.71	
13,997.00	90.39	179.48	11,777.12	-2,667.45	886.79	2,734.71	0.82	-0.39	-0.73	
14,091.00	90.25	179.81	11,776.59	-2,761.45	887.37	2,828.39	0.38	-0.15	0.35	
14,186.00	90.22	179.66	11,776.20	-2,856.45	887.81	2,923.07	0.16	-0.03	-0.16	
14,280.00	89.78	180.19	11,776.20	-2,950.45	887.93	3,016.72	0.73	-0.47	0.56	
14,374.00	88.88	180.34	11,777.30	-3,044.44	887.50	3,110.31	0.97	-0.96	0.16	
14,468.00	91.01	180.52	11,777.39	-3,138.43	886.79	3,203.88	2.27	2.27	0.19	
14,562.00	89.94	179.93	11,776.61	-3,232.43	886.42	3,297.49	1.30	-1.14	-0.63	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
14,657.00	87.95	179.30	11,778.36	-3,327.40	887.06	3,392.16	2.20	-2.09	-0.66	
14,751.00	89.47	179.40	11,780.48	-3,421.37	888.13	3,485.86	1.62	1.62	0.11	
14,846.00	90.76	180.40	11,780.29	-3,516.37	888.29	3,580.51	1.72	1.36	1.05	
14,940.00	91.12	180.23	11,778.75	-3,610.35	887.78	3,674.09	0.42	0.38	-0.18	
15,034.00	91.12	179.95	11,776.91	-3,704.33	887.63	3,767.70	0.30	0.00	-0.30	
15,128.00	90.87	179.01	11,775.28	-3,798.31	888.48	3,861.39	1.03	-0.27	-1.00	
15,222.00	90.11	178.37	11,774.47	-3,892.28	890.63	3,955.19	1.06	-0.81	-0.68	
15,316.00	89.86	178.18	11,774.50	-3,986.24	893.46	4,049.04	0.33	-0.27	-0.20	
15,410.00	89.50	177.30	11,775.02	-4,080.17	897.17	4,142.93	1.01	-0.38	-0.94	
15,505.00	88.80	177.96	11,776.43	-4,175.07	901.10	4,237.81	1.01	-0.74	0.69	
15,598.00	89.05	178.85	11,778.18	-4,268.02	903.68	4,330.63	0.99	0.27	0.96	
15,693.00	88.09	178.79	11,780.55	-4,362.97	905.64	4,425.39	1.01	-1.01	-0.06	
15,787.00	89.64	181.50	11,782.41	-4,456.94	905.40	4,518.98	3.32	1.65	2.88	
15,881.00	88.37	180.33	11,784.04	-4,550.91	903.90	4,612.46	1.84	-1.35	-1.24	
15,976.00	91.09	181.90	11,784.49	-4,645.88	902.05	4,706.90	3.31	2.86	1.65	
16,071.00	91.43	181.46	11,782.40	-4,740.81	899.27	4,801.23	0.59	0.36	-0.46	
16,165.00	92.10	181.16	11,779.50	-4,834.74	897.12	4,894.62	0.78	0.71	-0.32	
16,260.00	90.45	181.08	11,777.39	-4,929.70	895.26	4,989.05	1.74	-1.74	-0.08	
16,354.00	88.43	180.19	11,778.31	-5,023.68	894.22	5,082.58	2.35	-2.15	-0.95	
16,449.00	90.31	181.31	11,779.35	-5,118.66	892.98	5,177.09	2.30	1.98	1.18	
16,543.00	90.28	180.33	11,778.87	-5,212.65	891.63	5,270.60	1.04	-0.03	-1.04	
16,637.00	88.99	179.56	11,779.47	-5,306.65	891.72	5,364.25	1.60	-1.37	-0.82	
16,731.00	89.27	178.93	11,780.90	-5,400.63	892.96	5,457.98	0.73	0.30	-0.67	
16,824.00	89.44	178.24	11,781.94	-5,493.59	895.26	5,550.79	0.76	0.18	-0.74	
16,919.00	88.66	178.00	11,783.52	-5,588.53	898.37	5,645.63	0.86	-0.82	-0.25	
17,013.00	90.11	180.23	11,784.53	-5,682.50	899.83	5,739.37	2.83	1.54	2.37	
17,107.00	91.09	179.87	11,783.54	-5,776.50	899.74	5,833.00	1.11	1.04	-0.38	
17,201.00	90.59	179.10	11,782.16	-5,870.48	900.59	5,926.70	0.98	-0.53	-0.82	
17,295.00	90.87	178.71	11,780.97	-5,964.46	902.38	6,020.47	0.51	0.30	-0.41	
17,388.00	89.97	178.04	11,780.29	-6,057.41	905.02	6,113.31	1.21	-0.97	-0.72	
17,481.00	89.86	177.08	11,780.42	-6,150.33	908.98	6,206.21	1.04	-0.12	-1.03	
17,575.00	88.46	177.66	11,781.80	-6,244.22	913.29	6,300.12	1.61	-1.49	0.62	
17,670.00	88.40	177.76	11,784.40	-6,339.11	917.09	6,394.98	0.12	-0.06	0.11	
17,689.00	88.43	177.89	11,784.93	-6,358.08	917.81	6,413.95	0.70	0.16	0.68	
17,783.00	89.16	179.05	11,786.91	-6,452.03	920.32	6,507.75	1.46	0.78	1.23	
17,877.00	89.22	178.59	11,788.24	-6,546.00	922.25	6,601.53	0.49	0.06	-0.49	
17,971.00	88.12	179.15	11,790.42	-6,639.95	924.11	6,695.29	1.31	-1.17	0.60	
18,065.00	88.38	179.75	11,793.29	-6,733.90	925.01	6,788.96	0.70	0.28	0.64	
18,159.00	92.21	182.49	11,792.80	-6,827.86	923.17	6,882.39	5.01	4.07	2.91	
18,253.00	91.99	182.19	11,789.36	-6,921.72	919.34	6,975.56	0.40	-0.23	-0.32	
18,346.00	90.64	181.93	11,787.23	-7,014.63	916.00	7,067.82	1.48	-1.45	-0.28	
18,441.00	90.67	181.08	11,786.14	-7,109.59	913.50	7,162.20	0.90	0.03	-0.89	
18,535.00	93.78	180.87	11,782.49	-7,203.49	911.90	7,255.61	3.32	3.31	-0.22	

Survey Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 15 TWIN WELLS RANCH 108H
Project:	Eddy County, NM (NAD27) NMEZ Grid	TVD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Site:	PLU 15 TWIN WELLS RANCH	MD Reference:	3567+32 @ 3599.00usft (Pat793ad)
Well:	PLU 15 TWIN WELLS RANCH 108H	North Reference:	Grid
Wellbore:	15-108H Lateral	Survey Calculation Method:	Minimum Curvature
Design:	15-108H Lateral AsDrilled	Database:	PREDATOR_EDM

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)	
18,628.00	92.49	180.41	11,777.40	-7,296.35	910.87	7,348.02	1.47	-1.39	-0.49	
18,721.00	92.55	180.62	11,773.32	-7,389.25	910.03	7,440.50	0.23	0.06	0.23	
18,814.00	91.82	180.28	11,769.77	-7,482.18	909.30	7,533.01	0.87	-0.78	-0.37	
18,908.00	91.12	179.98	11,767.36	-7,576.15	909.09	7,626.60	0.81	-0.74	-0.32	
19,001.00	91.34	180.13	11,765.36	-7,669.13	909.00	7,719.21	0.29	0.24	0.16	
19,095.00	90.87	179.87	11,763.55	-7,763.11	909.00	7,812.83	0.57	-0.50	-0.28	
19,189.00	91.06	179.93	11,761.97	-7,857.10	909.16	7,906.48	0.21	0.20	0.06	
19,282.00	92.21	180.28	11,759.31	-7,950.06	908.99	7,999.07	1.29	1.24	0.38	
19,374.00	90.84	180.63	11,756.86	-8,042.02	908.26	8,090.61	1.54	-1.49	0.38	
19,468.00	90.67	180.96	11,755.63	-8,136.00	906.96	8,184.12	0.39	-0.18	0.35	
19,562.00	89.38	180.67	11,755.58	-8,229.99	905.62	8,277.64	1.41	-1.37	-0.31	
19,655.00	87.98	180.47	11,757.73	-8,322.96	904.70	8,370.17	1.52	-1.51	-0.22	
19,750.00	86.81	179.96	11,762.04	-8,417.86	904.34	8,464.67	1.34	-1.23	-0.54	
19,843.00	87.70	178.69	11,766.50	-8,510.74	905.43	8,557.30	1.67	0.96	-1.37	
19,936.00	89.19	177.35	11,769.02	-8,603.65	908.65	8,650.13	2.15	1.60	-1.44	
19,954.00	89.44	177.16	11,769.24	-8,621.63	909.51	8,668.11	1.74	1.39	-1.06	
20,048.00	89.78	176.65	11,769.88	-8,715.49	914.58	8,762.06	0.65	0.36	-0.54	
20,140.00	89.24	175.98	11,770.66	-8,807.29	920.50	8,854.03	0.94	-0.59	-0.73	
20,217.00	90.22	177.25	11,771.03	-8,884.15	925.04	8,931.00	2.08	1.27	1.65	
20,311.00	89.75	177.13	11,771.05	-8,978.04	929.65	9,024.93	0.52	-0.50	-0.13	
20,405.00	90.42	179.60	11,770.91	-9,071.99	932.33	9,118.76	2.72	0.71	2.63	
20,498.00	90.70	180.45	11,770.00	-9,164.99	932.29	9,211.39	0.96	0.30	0.91	
20,592.00	90.50	179.39	11,769.02	-9,258.98	932.42	9,305.04	1.15	-0.21	-1.13	
20,685.00	90.22	179.23	11,768.43	-9,351.97	933.54	9,397.77	0.35	-0.30	-0.17	
20,779.00	90.64	180.88	11,767.73	-9,445.97	933.45	9,491.40	1.81	0.45	1.76	
20,872.00	89.66	180.43	11,767.49	-9,538.96	932.39	9,583.94	1.16	-1.05	-0.48	
20,966.00	90.53	181.98	11,767.33	-9,632.94	930.41	9,677.39	1.89	0.93	1.65	
21,059.00	90.98	182.04	11,766.10	-9,725.87	927.15	9,769.68	0.49	0.48	0.06	
21,152.00	90.90	181.87	11,764.58	-9,818.80	923.98	9,861.98	0.20	-0.09	-0.18	
21,246.00	90.62	181.84	11,763.33	-9,912.75	920.94	9,955.30	0.30	-0.30	-0.03	
21,340.00	90.22	180.81	11,762.64	-10,006.72	918.76	10,048.72	1.18	-0.43	-1.10	
21,434.00	90.03	179.81	11,762.44	-10,100.71	918.25	10,142.31	1.08	-0.20	-1.06	
21,528.00	90.14	179.28	11,762.30	-10,194.71	919.00	10,236.02	0.58	0.12	-0.56	
21,622.00	90.22	178.55	11,762.00	-10,288.69	920.78	10,329.80	0.78	0.09	-0.78	
21,716.00	90.34	178.67	11,761.54	-10,382.66	923.06	10,423.61	0.18	0.13	0.13	
21,811.00	90.00	178.28	11,761.26	-10,477.63	925.59	10,518.43	0.54	-0.36	-0.41	
21,892.00	89.49	177.66	11,761.62	-10,558.58	928.46	10,599.32	0.99	-0.63	-0.77	
Wellpath Crosses LTP										
21,892.33	89.49	177.66	11,761.62	-10,558.91	928.47	10,599.65	0.00	0.00	0.00	
PLU 15 TWR 108H LTP_330FSL_330FEL										
21,905.00	89.41	177.56	11,761.75	-10,571.56	929.00	10,612.31	1.02	-0.64	-0.79	
21,968.00	89.47	177.50	11,762.36	-10,634.50	931.72	10,675.24	0.13	0.10	-0.10	
22,022.00	89.47	177.50	11,762.86	-10,688.45	934.07	10,729.19	0.00	0.00	0.00	
TD @ 200'FSL,332FEL - PLU 15 TWR 108H PBHL_200FSL_330FEL										

Survey Report

Company: XTO Energy	Local Co-ordinate Reference: Well PLU 15 TWIN WELLS RANCH 108H
Project: Eddy County, NM (NAD27) NMEZ Grid	TVD Reference: 3567+32 @ 3599.00usft (Pat793ad)
Site: PLU 15 TWIN WELLS RANCH	MD Reference: 3567+32 @ 3599.00usft (Pat793ad)
Well: PLU 15 TWIN WELLS RANCH 108H	North Reference: Grid
Wellbore: 15-108H Lateral	Survey Calculation Method: Minimum Curvature
Design: 15-108H Lateral AsDrilled	Database: PREDATOR_EDM

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)

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PLU 15 TWR 108H SHL - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	440,914.40	677,155.70	32.21089318	-103.76054279
PLU 15 TWR 108H LTP - actual wellpath misses target center by 20.84usft at 21892.33usft MD (11761.62 TVD, -10558.91 N, 928.47 E) - Point	0.00	0.00	11,742.00	-10,558.80	935.50	430,355.60	678,091.20	32.18185469	-103.75770095
PLU 15 TWR 108H FTF - actual wellpath misses target center by 26.49usft at 11979.00usft MD (11744.56 TVD, -653.65 N, 847.76 E) - Point	0.00	0.00	11,742.00	-654.70	874.10	440,259.70	678,029.80	32.20908067	-103.75772805
PLU 15 TWR 108H PBH - actual wellpath misses target center by 4.46usft at 22022.00usft MD (11762.86 TVD, -10688.45 N, 934.07 E) - Rectangle (sides W100.00 H10,034.19 D0.00)	0.00	0.01	11,759.00	-10,688.70	936.30	430,225.70	678,092.00	32.18149760	-103.75770061
PLU 15 TWR 108H BHL - actual wellpath hits target center - Point	0.00	0.01	11,762.86	-10,688.45	934.07	430,225.95	678,089.77	32.18149832	-103.75770782

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,546.00	11,482.76	-325.33	818.73	Wellpath Crosses Unit Line @ Heel
11,981.00	11,745.08	-655.58	847.72	Wellpath Crosses FTP
21,892.00	11,761.62	-10,558.58	928.46	Wellpath Crosses LTP
22,022.00	11,762.86	-10,688.45	934.07	TD @ 200'FSL,332FEL

Checked By: _____ Approved By: _____ Date: _____