

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 AS-DRILLED PLAT

¹ API Number 30-015-45507		² Pool Code 98220		³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)	
⁴ Property Code 325599		⁵ Property Name POKER LAKE UNIT 28 BS			⁶ Well Number 106H
⁷ OGRID No. 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC.			⁹ Elevation 3,339'

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
G	28	25 S	31 E		2,310	NORTH	1,920	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
O	4	26 S	31 E		225	SOUTH	1,580	EAST	EDDY

¹² Dedicated Acres 800	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	NAD 83 NME
SURFACE LOCATION	SURFACE LOCATION
Y = 401,300.5	Y = 401,358.4
X = 671,261.2	X = 712,446.8
LAT. = 32.102084°N	LAT. = 32.102208°N
LONG. = 103.780259°W	LONG. = 103.780736°W

KICK OFF POINT

NAD 27 NME	NAD 83 NME
Y = 401,063.0	Y = 401,120.9
X = 671,558.8	X = 712,744.4
LAT. = 32.101427°N	LAT. = 32.101551°N
LONG. = 103.779301°W	LONG. = 103.779779°W

CORNER COORDINATES TABLE

NAD 27 NME	NAD 83 NME
A - Y = 400,956.5 N, X = 670,521.7 E	
B - Y = 400,962.8 N, X = 671,850.9 E	
C - Y = 398,304.2 N, X = 670,514.6 E	
D - Y = 398,312.1 N, X = 671,845.7 E	
E - Y = 395,652.3 N, X = 670,529.0 E	
F - Y = 395,661.9 N, X = 671,859.4 E	
G - Y = 393,002.3 N, X = 670,543.3 E	
H - Y = 393,012.5 N, X = 671,873.1 E	
I - Y = 390,337.1 N, X = 670,552.3 E	
J - Y = 390,347.9 N, X = 671,881.5 E	
K - Y = 387,673.5 N, X = 670,561.3 E	
L - Y = 387,683.4 N, X = 671,889.6 E	

FIRST TAKE POINT

NAD 83 NME	
Y = 400,350.5	
X = 712,782.4	
LAT. = 32.099433°N	
LONG. = 103.779669°W	

FIRST TAKE POINT

NAD 27 NME	
Y = 400,292.7	
X = 671,596.7	
LAT. = 32.099308°N	
LONG. = 103.779192°W	

CORNER COORDINATES TABLE

NAD 83 NME	
A - Y = 401,014.4 N, X = 711,707.3 E	
B - Y = 401,020.7 N, X = 713,036.5 E	
C - Y = 398,362.0 N, X = 711,700.3 E	
D - Y = 398,369.9 N, X = 713,031.4 E	
E - Y = 395,710.0 N, X = 711,714.8 E	
F - Y = 395,719.6 N, X = 713,045.2 E	
G - Y = 393,060.0 N, X = 711,729.2 E	
H - Y = 393,070.2 N, X = 713,059.0 E	
I - Y = 390,394.7 N, X = 711,738.3 E	
J - Y = 390,405.5 N, X = 713,067.5 E	
K - Y = 387,731.1 N, X = 711,747.4 E	
L - Y = 387,741.0 N, X = 713,075.8 E	

LAST TAKE POINT

NAD 27 NME	NAD 83 NME
Y = 388,022.5	Y = 388,080.1
X = 671,637.4	X = 712,823.5
LAT. = 32.065578°N	LAT. = 32.065703°N
LONG. = 103.779264°W	LONG. = 103.779740°W

BOTTOM HOLE LOCATION

NAD 27 NME	NAD 83 NME
Y = 387,906.6	Y = 387,964.2
X = 671,637.0	X = 712,823.1
LAT. = 32.065259°N	LAT. = 32.065384°N
LONG. = 103.779267°W	LONG. = 103.779743°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.

Cassie Evans 02/09/2021
Signature Date

Cassie Evans
Printed Name

cassie.evans@exxonmobil.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.

1-26-2021
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786
Certificate Number

RR/JC 2017070993



I Joseph Proske, certify that I am employed by Scout Downhole Inc. (SDI). That I did on the day(s) of 02/14/20 thru 03/25/20 conduct or supervise the taking of a MWD Survey from a depth of 228' to a depth of 24671'; that the data is true, correct, complete and within the limitations of the tool as set forth by Scout Downhole Inc. (SDI).; that I am authorized and qualified to make this report; that this survey was conducted at the request of XTO ENERGY LLC. for the PLU 28 Big Sinks 106H API No. 30-015-45507 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 Scout Downhole Inc. (SDI).

Joseph Proske

Joseph
Proske

Digitally signed by: Joseph Proske
DN: CN = Joseph Proske
email =
jproske@scoutdrilltech.com
C = US O = Scout Downhole
OU = SDI
Date: 2020.04.29 15:37:59 -
05'00'

1125 Beach Airport Rd, Conroe, Texas
77301
PH 936-756-3255 FAX 936-756-3229



XTO Energy

**Eddy County, NM
PLU 28 Big Sinks
PLU 28 Big Sinks 106H**

Wellbore #1

Design: Surveys

Standard Survey Report

25 March, 2020



Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

Project	Eddy County, NM		
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 28 Big Sinks		
Site Position:		Northing:	401,300.20 usft
From:	Map	Easting:	671,171.20 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 7.503 N
		Longitude:	103° 46' 49.977 W
		Grid Convergence:	0.29 °

Well	PLU 28 Big Sinks 106H					
Well Position	+N/-S	0.00 usft	Northing:	401,300.50 usft	Latitude:	32° 6' 7.501 N
	+E/-W	0.00 usft	Easting:	671,261.20 usft	Longitude:	103° 46' 48.931 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,339.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/31/2020	6.65	59.68	47,733.40000000

Design	Surveys				
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	178.44	

Survey Program	Date	3/25/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
228.00	21,206.00	Survey #1_MagVar Corrected MWD Survey	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
21,206.00	24,729.00	Survey #2_Scout MWD Surveys (Wellbore	MWD+HRGM	OWSG MWD + HRGM	

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	
228.00	1.05	17.77	227.99	1.99	0.64	-1.97	0.46	0.46	0.00	
First MWD+IFR1+MS Survey@ 228.00' MD										
258.00	1.14	14.43	257.98	2.54	0.80	-2.52	0.37	0.30	-11.13	
350.00	0.88	36.75	349.97	3.99	1.45	-3.95	0.51	-0.28	24.26	
440.00	0.88	77.45	439.96	4.70	2.53	-4.63	0.68	0.00	45.22	
531.00	1.01	109.35	530.95	4.58	3.97	-4.47	0.59	0.14	35.05	
624.00	1.14	125.52	623.93	3.77	5.50	-3.62	0.35	0.14	17.39	
716.00	0.79	137.39	715.92	2.78	6.67	-2.59	0.44	-0.38	12.90	
806.00	0.97	159.54	805.91	1.60	7.36	-1.40	0.42	0.20	24.61	

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

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)	
897.00	1.05	138.88	896.89	0.25	8.18	-0.03	0.41	0.09	-22.70	
989.00	0.79	143.45	988.88	-0.89	9.11	1.14	0.29	-0.28	4.97	
1,081.00	0.75	141.08	1,080.87	-1.87	9.87	2.14	0.06	-0.04	-2.58	
1,164.00	1.10	138.62	1,163.86	-2.89	10.73	3.18	0.42	0.42	-2.96	
1,354.00	0.92	131.76	1,353.83	-5.27	13.08	5.63	0.11	-0.09	-3.61	
1,448.00	1.41	132.73	1,447.81	-6.56	14.49	6.95	0.52	0.52	1.03	
1,543.00	1.85	132.64	1,542.77	-8.39	16.48	8.84	0.46	0.46	-0.09	
1,637.00	1.67	133.26	1,636.73	-10.36	18.59	10.86	0.19	-0.19	0.66	
1,731.00	1.49	137.04	1,730.69	-12.19	20.42	12.74	0.22	-0.19	4.02	
1,825.00	2.11	120.86	1,824.65	-13.97	22.74	14.59	0.85	0.66	-17.21	
1,920.00	2.55	119.19	1,919.57	-15.90	26.09	16.61	0.47	0.46	-1.76	
2,015.00	2.33	123.94	2,014.48	-18.01	29.53	18.81	0.31	-0.23	5.00	
2,109.00	2.07	129.65	2,108.41	-20.16	32.42	21.04	0.36	-0.28	6.07	
2,204.00	1.89	137.74	2,203.36	-22.41	34.80	23.36	0.35	-0.19	8.52	
2,298.00	2.42	131.85	2,297.29	-24.89	37.32	25.89	0.61	0.56	-6.27	
2,393.00	2.81	132.03	2,392.19	-27.78	40.54	28.88	0.41	0.41	0.19	
2,488.00	2.81	132.38	2,487.08	-30.91	43.99	32.10	0.02	0.00	0.37	
2,582.00	2.86	134.31	2,580.96	-34.10	47.37	35.38	0.11	0.05	2.05	
2,676.00	2.68	123.76	2,674.85	-36.96	50.88	38.34	0.57	-0.19	-11.22	
2,771.00	2.64	118.75	2,769.75	-39.25	54.64	40.73	0.25	-0.04	-5.27	
2,865.00	2.46	122.89	2,863.66	-41.39	58.24	42.96	0.27	-0.19	4.40	
2,959.00	2.81	120.25	2,957.56	-43.64	61.92	45.32	0.39	0.37	-2.81	
3,054.00	3.12	118.31	3,052.43	-46.04	66.21	47.83	0.34	0.33	-2.04	
3,148.00	3.12	113.04	3,146.29	-48.26	70.81	50.17	0.31	0.00	-5.61	
3,241.00	3.30	107.94	3,239.15	-50.07	75.69	52.12	0.36	0.19	-5.48	
3,335.00	3.69	111.11	3,332.97	-51.99	81.08	54.19	0.46	0.41	3.37	
3,429.00	3.82	112.51	3,426.77	-54.28	86.80	56.63	0.17	0.14	1.49	
3,523.00	4.79	111.37	3,520.50	-56.91	93.35	59.44	1.04	1.03	-1.21	
3,617.00	6.07	115.68	3,614.08	-60.49	101.48	63.24	1.43	1.36	4.59	
3,711.00	6.59	121.57	3,707.51	-65.47	110.56	68.46	0.88	0.55	6.27	
3,805.00	6.86	115.33	3,800.86	-70.70	120.23	73.95	0.83	0.29	-6.64	
3,898.00	7.08	110.32	3,893.17	-75.06	130.62	78.60	0.69	0.24	-5.39	
3,992.00	6.81	117.44	3,986.49	-79.64	141.00	83.46	0.96	-0.29	7.57	
4,085.00	6.42	122.62	4,078.87	-84.99	150.27	89.06	0.77	-0.42	5.57	
4,179.00	5.76	124.47	4,172.34	-90.49	158.59	94.79	0.73	-0.70	1.97	
4,273.00	5.19	123.76	4,265.91	-95.52	166.01	100.02	0.61	-0.61	-0.76	
4,366.00	4.88	123.59	4,358.55	-100.05	172.80	104.73	0.33	-0.33	-0.18	
4,460.00	4.48	123.59	4,452.24	-104.29	179.19	109.14	0.43	-0.43	0.00	
4,554.00	4.84	117.52	4,545.92	-108.16	185.77	113.19	0.65	0.38	-6.46	
4,647.00	4.88	114.62	4,638.59	-111.62	192.84	116.84	0.27	0.04	-3.12	
4,741.00	5.10	114.89	4,732.23	-115.04	200.27	120.46	0.24	0.23	0.29	
4,835.00	5.10	114.80	4,825.86	-118.55	207.85	124.18	0.01	0.00	-0.10	
4,929.00	5.36	117.17	4,919.47	-122.31	215.55	128.15	0.36	0.28	2.52	

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,022.00	5.49	118.23	5,012.05	-126.40	223.33	132.45	0.18	0.14	1.14	
5,116.00	5.19	117.70	5,105.65	-130.50	231.06	136.76	0.32	-0.32	-0.56	
5,211.00	4.88	121.74	5,200.28	-134.62	238.30	141.08	0.50	-0.33	4.25	
5,305.00	4.44	122.80	5,293.97	-138.70	244.76	145.33	0.48	-0.47	1.13	
5,398.00	4.35	124.12	5,386.70	-142.63	250.70	149.42	0.15	-0.10	1.42	
5,492.00	4.79	121.65	5,480.40	-146.68	257.00	153.64	0.51	0.47	-2.63	
5,585.00	4.92	120.78	5,573.06	-150.76	263.73	157.91	0.16	0.14	-0.94	
5,680.00	4.75	122.01	5,667.72	-154.93	270.56	162.26	0.21	-0.18	1.29	
5,776.00	4.48	122.36	5,763.41	-159.05	277.10	166.55	0.28	-0.28	0.36	
5,871.00	3.82	126.05	5,858.16	-162.89	282.79	170.55	0.75	-0.69	3.88	
5,966.00	3.30	126.49	5,952.98	-166.38	287.55	174.17	0.55	-0.55	0.46	
6,061.00	3.69	122.45	6,047.80	-169.65	292.33	177.57	0.49	0.41	-4.25	
6,155.00	4.26	120.34	6,141.58	-173.04	297.89	181.10	0.63	0.61	-2.24	
6,248.00	4.13	119.46	6,234.33	-176.43	303.79	184.65	0.16	-0.14	-0.95	
6,344.00	4.40	119.81	6,330.06	-179.96	310.00	188.35	0.28	0.28	0.36	
6,438.00	4.62	119.72	6,423.77	-183.63	316.41	192.20	0.23	0.23	-0.10	
6,533.00	3.82	123.24	6,518.51	-187.26	322.38	195.99	0.88	-0.84	3.71	
6,628.00	2.77	124.91	6,613.35	-190.31	326.91	199.16	1.11	-1.11	1.76	
6,722.00	1.58	126.58	6,707.29	-192.38	329.82	201.31	1.27	-1.27	1.78	
6,817.00	1.27	125.70	6,802.26	-193.77	331.72	202.76	0.33	-0.33	-0.93	
6,912.00	1.45	129.74	6,897.23	-195.16	333.50	204.19	0.21	0.19	4.25	
7,007.00	1.32	127.46	6,992.20	-196.59	335.29	205.67	0.15	-0.14	-2.40	
7,103.00	0.62	115.68	7,088.19	-197.49	336.64	206.60	0.75	-0.73	-12.27	
7,197.00	0.44	110.93	7,182.18	-197.84	337.44	206.97	0.20	-0.19	-5.05	
7,292.00	0.53	117.52	7,277.18	-198.17	338.17	207.33	0.11	0.09	6.94	
7,387.00	0.40	117.88	7,372.18	-198.53	338.85	207.70	0.14	-0.14	0.38	
7,482.00	0.40	11.88	7,467.17	-198.36	339.21	207.55	0.67	0.00	-111.58	
7,578.00	0.44	4.85	7,563.17	-197.67	339.31	206.85	0.07	0.04	-7.32	
7,674.00	0.40	5.02	7,659.17	-196.96	339.37	206.15	0.04	-0.04	0.18	
7,769.00	0.44	349.91	7,754.17	-196.27	339.34	205.46	0.12	0.04	-15.91	
7,863.00	0.35	340.50	7,848.16	-195.65	339.18	204.83	0.12	-0.10	-10.01	
7,956.00	0.31	306.40	7,941.16	-195.23	338.88	204.41	0.21	-0.04	-36.67	
8,050.00	0.22	297.17	8,035.16	-195.00	338.51	204.17	0.11	-0.10	-9.82	
8,144.00	0.35	276.61	8,129.16	-194.88	338.07	204.04	0.17	0.14	-21.87	
8,237.00	0.44	265.36	8,222.16	-194.88	337.43	204.02	0.13	0.10	-12.10	
8,331.00	0.66	261.84	8,316.15	-194.99	336.54	204.10	0.24	0.23	-3.74	
8,425.00	0.84	272.30	8,410.15	-195.03	335.31	204.11	0.24	0.19	11.13	
8,519.00	0.92	271.60	8,504.14	-194.99	333.87	204.03	0.09	0.09	-0.74	
8,612.00	1.32	263.07	8,597.12	-195.09	332.06	204.08	0.46	0.43	-9.17	
8,706.00	0.88	251.56	8,691.10	-195.45	330.30	204.40	0.52	-0.47	-12.24	
8,800.00	0.53	248.22	8,785.09	-195.84	329.21	204.76	0.37	-0.37	-3.55	
8,893.00	0.84	247.25	8,878.09	-196.27	328.18	205.15	0.33	0.33	-1.04	
8,987.00	0.92	247.34	8,972.08	-196.82	326.85	205.67	0.09	0.09	0.10	

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,081.00	1.05	246.46	9,066.06	-197.46	325.36	206.26	0.14	0.14	-0.94	
9,175.00	1.14	234.77	9,160.04	-198.34	323.81	207.11	0.26	0.10	-12.44	
9,268.00	1.32	232.31	9,253.02	-199.53	322.21	208.25	0.20	0.19	-2.65	
9,362.00	1.19	228.35	9,347.00	-200.84	320.62	209.52	0.17	-0.14	-4.21	
9,456.00	1.14	234.42	9,440.98	-202.03	319.13	210.67	0.14	-0.05	6.46	
9,550.00	1.32	231.69	9,534.96	-203.25	317.52	211.84	0.20	0.19	-2.90	
9,643.00	1.41	233.63	9,627.93	-204.59	315.76	213.13	0.11	0.10	2.09	
9,737.00	1.32	227.56	9,721.91	-206.01	314.03	214.50	0.18	-0.10	-6.46	
9,831.00	1.10	227.91	9,815.89	-207.34	312.56	215.80	0.23	-0.23	0.37	
9,925.00	1.14	230.81	9,909.87	-208.54	311.17	216.95	0.07	0.04	3.09	
10,018.00	1.10	219.56	10,002.85	-209.81	309.88	218.19	0.24	-0.04	-12.10	
10,112.00	1.23	193.64	10,096.83	-211.49	309.07	219.84	0.57	0.14	-27.57	
10,206.00	1.54	206.56	10,190.80	-213.60	308.27	221.93	0.47	0.33	13.74	
10,300.00	1.45	209.90	10,284.77	-215.76	307.11	224.06	0.13	-0.10	3.55	
10,393.00	1.63	209.19	10,377.74	-217.93	305.88	226.20	0.19	0.19	-0.76	
10,487.00	1.67	200.05	10,471.70	-220.39	304.75	228.62	0.28	0.04	-9.72	
10,581.00	2.07	188.36	10,565.65	-223.35	304.04	231.57	0.59	0.43	-12.44	
10,675.00	2.11	190.82	10,659.59	-226.73	303.47	234.93	0.10	0.04	2.62	
10,769.00	1.89	202.51	10,753.53	-229.86	302.55	238.04	0.49	-0.23	12.44	
10,863.00	1.58	210.25	10,847.49	-232.42	301.30	240.55	0.41	-0.33	8.23	
10,870.00	1.63	215.70	10,854.48	-232.58	301.20	240.71	2.29	0.71	77.86	
10,966.00	1.44	226.19	10,950.45	-234.52	299.53	242.61	0.35	-0.20	10.93	
11,060.00	1.37	224.84	11,044.42	-236.14	297.88	244.18	0.08	-0.07	-1.44	
11,107.00	5.06	186.01	11,091.34	-238.60	297.27	246.62	8.69	7.85	-82.62	
11,154.00	10.97	186.24	11,137.86	-245.11	296.57	253.11	12.57	12.57	0.49	
11,201.00	14.84	175.98	11,183.67	-255.57	296.50	263.56	9.54	8.23	-21.83	
11,248.00	19.27	171.83	11,228.60	-269.25	298.03	277.29	9.77	9.43	-8.83	
11,295.00	25.89	176.06	11,271.97	-287.19	299.84	295.27	14.49	14.09	9.00	
11,342.00	27.72	176.85	11,313.92	-308.34	301.14	316.45	3.97	3.89	1.68	
11,389.00	28.61	176.36	11,355.36	-330.49	302.46	338.62	1.96	1.89	-1.04	
11,436.00	30.51	175.67	11,396.24	-353.62	304.07	361.78	4.11	4.04	-1.47	
11,484.00	32.38	174.80	11,437.19	-378.57	306.16	386.78	4.01	3.90	-1.81	
11,531.00	33.21	174.10	11,476.69	-403.91	308.62	412.18	1.94	1.77	-1.49	
11,575.00	34.60	173.15	11,513.21	-428.30	311.35	436.63	3.38	3.16	-2.16	
11,622.00	35.98	172.79	11,551.57	-455.24	314.67	463.66	2.97	2.94	-0.77	
11,669.00	38.38	175.22	11,589.02	-483.49	317.62	491.98	5.99	5.11	5.17	
11,716.00	41.28	177.48	11,625.11	-513.52	319.52	522.05	6.90	6.17	4.81	
11,764.00	44.40	179.23	11,660.30	-546.14	320.44	554.68	6.96	6.50	3.65	
11,811.00	48.58	178.26	11,692.66	-580.21	321.20	588.76	9.02	8.89	-2.06	
11,858.00	54.29	178.07	11,721.94	-616.93	322.38	625.50	12.15	12.15	-0.40	
11,905.00	56.77	177.85	11,748.54	-655.65	323.76	664.24	5.29	5.28	-0.47	
11,952.00	60.76	178.24	11,772.91	-695.80	325.13	704.42	8.52	8.49	0.83	
11,973.47	63.19	177.79	11,783.00	-714.75	325.78	723.37	11.48	11.34	-2.07	
PLU 28 BS 160H p7 FTP										

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

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)	
11,999.00	66.09	177.29	11,793.93	-737.79	326.77	746.43	11.48	11.34	-1.98	
12,046.00	69.30	176.54	11,811.77	-781.20	329.12	789.89	6.99	6.83	-1.60	
12,093.00	71.95	176.85	11,827.36	-825.46	331.67	834.21	5.67	5.64	0.66	
12,140.00	74.15	177.73	11,841.06	-870.37	333.80	879.15	5.01	4.68	1.87	
12,187.00	77.84	178.50	11,852.43	-915.94	335.29	924.75	8.01	7.85	1.64	
12,234.00	81.23	179.89	11,860.97	-962.14	335.94	970.95	7.78	7.21	2.96	
12,281.00	85.75	181.06	11,866.29	-1,008.83	335.55	1,017.61	9.93	9.62	2.49	
12,376.00	91.44	182.59	11,868.62	-1,103.71	332.52	1,112.37	6.20	5.99	1.61	
12,469.00	90.04	180.54	11,867.42	-1,196.66	329.99	1,205.22	2.67	-1.51	-2.20	
12,563.00	88.50	180.20	11,868.62	-1,290.65	329.38	1,299.15	1.68	-1.64	-0.36	
12,658.00	87.77	180.00	11,871.71	-1,385.59	329.21	1,394.06	0.80	-0.77	-0.21	
12,751.00	88.05	180.06	11,875.10	-1,478.53	329.16	1,486.97	0.31	0.30	0.06	
12,846.00	88.58	180.21	11,877.90	-1,573.49	328.94	1,581.88	0.58	0.56	0.16	
12,940.00	88.64	180.01	11,880.18	-1,667.46	328.76	1,675.81	0.22	0.06	-0.21	
13,033.00	87.63	179.18	11,883.20	-1,760.41	329.42	1,768.74	1.41	-1.09	-0.89	
13,128.00	88.67	178.79	11,886.27	-1,855.34	331.10	1,863.69	1.17	1.09	-0.41	
13,222.00	90.18	178.82	11,887.21	-1,949.32	333.06	1,957.68	1.61	1.61	0.03	
13,315.00	90.63	177.73	11,886.56	-2,042.27	335.86	2,050.68	1.27	0.48	-1.17	
13,409.00	90.77	176.69	11,885.41	-2,136.15	340.43	2,144.65	1.12	0.15	-1.11	
13,502.00	91.13	178.61	11,883.86	-2,229.05	344.25	2,237.62	2.10	0.39	2.06	
13,577.00	92.00	178.78	11,881.82	-2,304.01	345.95	2,312.59	1.18	1.16	0.23	
13,671.00	91.50	178.83	11,878.95	-2,397.94	347.91	2,406.54	0.53	-0.53	0.05	
13,765.00	91.84	178.60	11,876.21	-2,491.88	350.02	2,500.50	0.44	0.36	-0.24	
13,858.00	92.29	180.25	11,872.86	-2,584.81	350.95	2,593.42	1.84	0.48	1.77	
13,952.00	90.74	180.57	11,870.37	-2,678.77	350.28	2,687.33	1.68	-1.65	0.34	
14,046.00	88.64	181.22	11,870.88	-2,772.75	348.81	2,781.24	2.34	-2.23	0.69	
14,140.00	88.58	180.37	11,873.16	-2,866.71	347.51	2,875.13	0.91	-0.06	-0.90	
14,234.00	88.50	179.38	11,875.55	-2,960.68	347.71	2,969.07	1.06	-0.09	-1.05	
14,328.00	88.78	178.68	11,877.78	-3,054.64	349.30	3,063.04	0.80	0.30	-0.74	
14,421.00	88.75	177.80	11,879.79	-3,147.58	352.16	3,156.01	0.95	-0.03	-0.95	
14,515.00	88.61	178.15	11,881.95	-3,241.49	355.48	3,249.99	0.40	-0.15	0.37	
14,609.00	89.40	180.30	11,883.59	-3,335.46	356.75	3,343.96	2.44	0.84	2.29	
14,704.00	89.90	180.25	11,884.17	-3,430.46	356.30	3,438.91	0.53	0.53	-0.05	
14,798.00	90.55	179.84	11,883.80	-3,524.46	356.22	3,532.87	0.82	0.69	-0.44	
14,892.00	89.48	180.42	11,883.77	-3,618.46	356.01	3,626.83	1.29	-1.14	0.62	
14,986.00	91.28	181.52	11,883.15	-3,712.44	354.42	3,720.73	2.24	1.91	1.17	
15,080.00	90.29	180.47	11,881.86	-3,806.41	352.79	3,814.62	1.54	-1.05	-1.12	
15,175.00	90.41	180.24	11,881.28	-3,901.41	352.20	3,909.57	0.27	0.13	-0.24	
15,269.00	91.22	178.76	11,879.95	-3,995.39	353.02	4,003.54	1.79	0.86	-1.57	
15,362.00	89.71	178.91	11,879.19	-4,088.36	354.91	4,096.53	1.63	-1.62	0.16	
15,456.00	88.98	180.23	11,880.26	-4,182.35	355.61	4,190.50	1.60	-0.78	1.40	
15,550.00	89.59	179.88	11,881.44	-4,276.35	355.52	4,284.46	0.75	0.65	-0.37	
15,644.00	87.94	180.00	11,883.46	-4,370.32	355.62	4,378.40	1.76	-1.76	0.13	

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

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)	
15,738.00	89.01	180.19	11,885.97	-4,464.29	355.47	4,472.32	1.16	1.14	0.20	
15,833.00	89.96	180.35	11,886.82	-4,559.28	355.02	4,567.27	1.01	1.00	0.17	
15,927.00	88.16	182.35	11,888.36	-4,653.23	352.80	4,661.13	2.86	-1.91	2.13	
16,021.00	86.82	181.38	11,892.48	-4,747.09	349.75	4,754.87	1.76	-1.43	-1.03	
16,116.00	88.16	181.33	11,896.64	-4,841.97	347.50	4,849.65	1.41	1.41	-0.05	
16,209.00	89.93	180.51	11,898.19	-4,934.94	346.01	4,942.55	2.10	1.90	-0.88	
16,303.00	90.18	180.01	11,898.10	-5,028.94	345.58	5,036.50	0.59	0.27	-0.53	
16,396.00	92.20	179.04	11,896.17	-5,121.91	346.35	5,129.45	2.41	2.17	-1.04	
16,491.00	93.46	178.65	11,891.48	-5,216.77	348.27	5,224.33	1.39	1.33	-0.41	
16,584.00	91.61	179.24	11,887.36	-5,309.66	349.98	5,317.23	2.09	-1.99	0.63	
16,678.00	92.73	179.42	11,883.80	-5,403.59	351.08	5,411.15	1.21	1.19	0.19	
16,772.00	89.85	178.95	11,881.69	-5,497.54	352.41	5,505.11	3.10	-3.06	-0.50	
16,866.00	90.88	178.98	11,881.09	-5,591.52	354.11	5,599.11	1.10	1.10	0.03	
16,960.00	91.11	178.29	11,879.46	-5,685.48	356.35	5,693.09	0.77	0.24	-0.73	
17,053.00	90.07	177.88	11,878.50	-5,778.42	359.46	5,786.08	1.20	-1.12	-0.44	
17,147.00	89.71	176.79	11,878.68	-5,872.32	363.83	5,880.06	1.22	-0.38	-1.16	
17,241.00	90.07	177.78	11,878.86	-5,966.21	368.28	5,974.04	1.12	0.38	1.05	
17,335.00	90.24	178.71	11,878.61	-6,060.17	371.16	6,068.04	1.01	0.18	0.99	
17,428.00	90.15	180.08	11,878.29	-6,153.16	372.14	6,161.02	1.48	-0.10	1.47	
17,522.00	90.15	181.92	11,878.04	-6,247.14	370.50	6,254.93	1.96	0.00	1.96	
17,616.00	91.33	182.44	11,876.83	-6,341.06	366.92	6,348.72	1.37	1.26	0.55	
17,710.00	92.12	181.87	11,874.00	-6,434.95	363.39	6,442.47	1.04	0.84	-0.61	
17,804.00	90.69	182.27	11,871.69	-6,528.86	360.00	6,536.25	1.58	-1.52	0.43	
17,897.00	90.85	181.84	11,870.45	-6,621.79	356.66	6,629.06	0.49	0.17	-0.46	
17,991.00	91.14	180.89	11,868.81	-6,715.75	354.42	6,722.92	1.06	0.31	-1.01	
18,085.00	90.83	179.32	11,867.20	-6,809.73	354.25	6,816.86	1.70	-0.33	-1.67	
18,178.00	90.77	177.85	11,865.90	-6,902.69	356.55	6,909.85	1.58	-0.06	-1.58	
18,272.00	90.88	178.47	11,864.54	-6,996.63	359.57	7,003.84	0.67	0.12	0.66	
18,366.00	91.25	179.53	11,862.80	-7,090.60	361.21	7,097.82	1.19	0.39	1.13	
18,459.00	91.64	178.61	11,860.45	-7,183.56	362.72	7,190.78	1.07	0.42	-0.99	
18,553.00	91.19	179.40	11,858.13	-7,277.52	364.35	7,284.75	0.97	-0.48	0.84	
18,647.00	90.91	178.90	11,856.41	-7,371.49	365.74	7,378.73	0.61	-0.30	-0.53	
18,740.00	90.91	177.95	11,854.93	-7,464.44	368.30	7,471.71	1.02	0.00	-1.02	
18,834.00	90.15	178.68	11,854.06	-7,558.40	371.06	7,565.71	1.12	-0.81	0.78	
18,927.00	90.18	180.08	11,853.79	-7,651.39	372.07	7,658.69	1.51	0.03	1.51	
19,021.00	90.38	179.61	11,853.33	-7,745.39	372.32	7,752.66	0.54	0.21	-0.50	
19,115.00	89.90	179.84	11,853.11	-7,839.38	372.77	7,846.64	0.57	-0.51	0.24	
19,209.00	90.27	178.86	11,852.97	-7,933.38	373.84	7,940.62	1.11	0.39	-1.04	
19,303.00	91.42	179.49	11,851.58	-8,027.35	375.19	8,034.60	1.39	1.22	0.67	
19,397.00	91.56	178.83	11,849.14	-8,121.31	376.57	8,128.56	0.72	0.15	-0.70	
19,490.00	91.78	179.03	11,846.42	-8,214.26	378.31	8,221.52	0.32	0.24	0.22	
19,584.00	91.72	178.78	11,843.55	-8,308.19	380.10	8,315.47	0.27	-0.06	-0.27	
19,668.00	91.50	179.04	11,841.19	-8,392.15	381.70	8,399.44	0.41	-0.26	0.31	
19,761.00	92.54	179.51	11,837.92	-8,485.08	382.87	8,492.37	1.23	1.12	0.51	

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

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)
19,856.00	93.07	179.74	11,833.27	-8,579.96	383.50	8,587.23	0.61	0.56	0.24
19,892.00	93.49	179.73	11,831.21	-8,615.90	383.66	8,623.17	1.17	1.17	-0.03
19,986.00	88.98	181.14	11,829.18	-8,709.85	382.95	8,717.06	5.03	-4.80	1.50
20,079.00	88.87	181.21	11,830.93	-8,802.82	381.04	8,809.94	0.14	-0.12	0.08
20,173.00	89.62	180.62	11,832.17	-8,896.80	379.54	8,903.84	1.02	0.80	-0.63
20,267.00	90.15	180.43	11,832.35	-8,990.79	378.68	8,997.78	0.60	0.56	-0.20
20,360.00	90.88	180.17	11,831.52	-9,083.79	378.19	9,090.72	0.83	0.78	-0.28
20,454.00	91.39	179.86	11,829.66	-9,177.77	378.17	9,184.67	0.63	0.54	-0.33
20,548.00	92.03	179.68	11,826.85	-9,271.72	378.54	9,278.60	0.71	0.68	-0.19
20,642.00	89.82	179.62	11,825.33	-9,365.70	379.12	9,372.56	2.35	-2.35	-0.06
20,736.00	89.76	179.65	11,825.68	-9,459.70	379.72	9,466.54	0.07	-0.06	0.03
20,830.00	90.85	179.26	11,825.18	-9,553.69	380.61	9,560.52	1.23	1.16	-0.41
20,924.00	91.44	179.18	11,823.30	-9,647.67	381.89	9,654.49	0.63	0.63	-0.09
21,018.00	89.87	180.29	11,822.22	-9,741.65	382.33	9,748.46	2.05	-1.67	1.18
21,112.00	90.13	180.13	11,822.22	-9,835.65	381.98	9,842.41	0.32	0.28	-0.17
21,206.00	90.46	180.11	11,821.74	-9,929.65	381.78	9,936.37	0.35	0.35	-0.02
Latest MWD+IFR1+MS Survey@ 22332.00' MD									
21,300.00	91.02	179.65	11,820.53	-10,023.64	381.98	10,030.33	0.77	0.60	-0.49
First MWD+HRGM Survey@ 21300.00' MD									
21,394.00	88.98	180.53	11,820.53	-10,117.64	381.83	10,124.29	2.36	-2.17	0.94
21,487.00	88.78	180.45	11,822.34	-10,210.62	381.04	10,217.21	0.23	-0.22	-0.09
21,581.00	89.23	180.34	11,823.98	-10,304.60	380.39	10,311.14	0.49	0.48	-0.12
21,675.00	89.31	180.28	11,825.17	-10,398.59	379.88	10,405.08	0.11	0.09	-0.06
21,769.00	89.48	180.24	11,826.17	-10,492.58	379.45	10,499.03	0.19	0.18	-0.04
21,863.00	89.79	180.30	11,826.77	-10,586.58	379.01	10,592.98	0.34	0.33	0.06
21,957.00	90.13	180.18	11,826.83	-10,680.58	378.62	10,686.93	0.38	0.36	-0.13
22,050.00	90.32	179.88	11,826.47	-10,773.58	378.57	10,779.90	0.38	0.20	-0.32
22,144.00	90.32	179.91	11,825.94	-10,867.58	378.74	10,873.87	0.03	0.00	0.03
22,238.00	90.63	179.86	11,825.16	-10,961.57	378.93	10,967.83	0.33	0.33	-0.05
22,332.00	91.13	179.97	11,823.72	-11,055.56	379.07	11,061.79	0.54	0.53	0.12
22,425.00	91.47	180.08	11,821.61	-11,148.54	379.03	11,154.73	0.38	0.37	0.12
22,519.00	91.86	180.12	11,818.88	-11,242.50	378.87	11,248.65	0.42	0.41	0.04
22,613.00	92.03	179.67	11,815.69	-11,336.44	379.04	11,342.57	0.51	0.18	-0.48
22,707.00	92.14	180.65	11,812.27	-11,430.38	378.78	11,436.46	1.05	0.12	1.04
22,800.00	92.28	180.54	11,808.68	-11,523.31	377.81	11,529.32	0.19	0.15	-0.12
22,894.00	91.95	181.03	11,805.21	-11,617.23	376.52	11,623.18	0.63	-0.35	0.52
22,988.00	88.92	180.65	11,804.50	-11,711.21	375.15	11,717.08	3.25	-3.22	-0.40
23,082.00	89.03	180.26	11,806.18	-11,805.19	374.40	11,811.01	0.43	0.12	-0.41
23,176.00	89.43	179.86	11,807.44	-11,899.18	374.30	11,904.96	0.60	0.43	-0.43
23,270.00	89.76	179.49	11,808.11	-11,993.18	374.83	11,998.94	0.53	0.35	-0.39
23,364.00	90.69	179.63	11,807.74	-12,087.17	375.56	12,092.92	1.00	0.99	0.15
23,458.00	90.97	179.21	11,806.38	-12,181.16	376.51	12,186.90	0.54	0.30	-0.45
23,552.00	91.55	178.86	11,804.31	-12,275.12	378.09	12,280.87	0.72	0.62	-0.37

Company:	XTO Energy	Local Co-ordinate Reference:	Well PLU 28 Big Sinks 106H
Project:	Eddy County, NM	TVD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Site:	PLU 28 Big Sinks	MD Reference:	GL 3339' + 30' KB @ 3369.00usft (Cactus 118)
Well:	PLU 28 Big Sinks 106H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM 5000.14 Single User Db

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)
23,646.00	90.07	180.18	11,802.98	-12,369.10	378.88	12,374.84	2.11	-1.57	1.40
23,740.00	89.62	179.64	11,803.23	-12,463.10	379.02	12,468.80	0.75	-0.48	-0.57
23,834.00	89.93	179.43	11,803.60	-12,557.10	379.79	12,562.79	0.40	0.33	-0.22
23,927.00	90.63	179.22	11,803.15	-12,650.09	380.88	12,655.77	0.79	0.75	-0.23
24,021.00	90.32	180.33	11,802.37	-12,744.08	381.25	12,749.74	1.23	-0.33	1.18
24,115.00	90.63	181.09	11,801.59	-12,838.07	380.09	12,843.66	0.87	0.33	0.81
24,209.00	91.22	180.37	11,800.07	-12,932.05	378.89	12,937.58	0.99	0.63	-0.77
24,303.00	92.28	180.36	11,797.20	-13,026.01	378.29	13,031.48	1.13	1.13	-0.01
24,397.00	90.88	180.57	11,794.61	-13,119.96	377.53	13,125.38	1.51	-1.49	0.22
24,491.00	90.13	180.56	11,793.78	-13,213.96	376.60	13,219.31	0.80	-0.80	-0.01
24,585.00	90.97	180.23	11,792.88	-13,307.95	375.95	13,313.25	0.96	0.89	-0.35
24,671.00	91.78	179.98	11,790.82	-13,393.92	375.80	13,399.19	0.99	0.94	-0.29
Latest MWD+HRGM Survey@ 24671.00' MD - PLU 28 BS 160H p7 LTP/BHL									
24,729.00	91.78	179.98	11,789.01	-13,451.89	375.82	13,457.14	0.00	0.00	0.00
Projection to TD @ 24729.00' MD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
228.00	227.99	1.99	0.64	First MWD+IFR1+MS Survey@ 228.00' MD
21,206.00	11,821.74	-9,929.65	381.78	Latest MWD+IFR1+MS Survey@ 22332.00' MD
21,300.00	11,820.53	-10,023.64	381.98	First MWD+HRGM Survey@ 21300.00' MD
24,671.00	11,790.82	-13,393.92	375.80	Latest MWD+HRGM Survey@ 24671.00' MD
24,729.00	11,789.01	-13,451.89	375.82	Projection to TD @ 24729.00' MD

Checked By: _____ Approved By: _____ Date: _____

Intent As Drilled

API #									
Operator Name:					Property Name:				Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

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

API #									
Operator Name:					Property Name:				Well Number