

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 **3-22-2020**

JENNY HARMS

Printed Name _____

JENNY.HARMS@DVN.COM

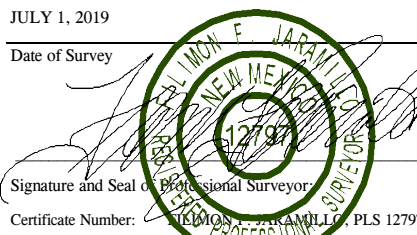
E-mail Address _____

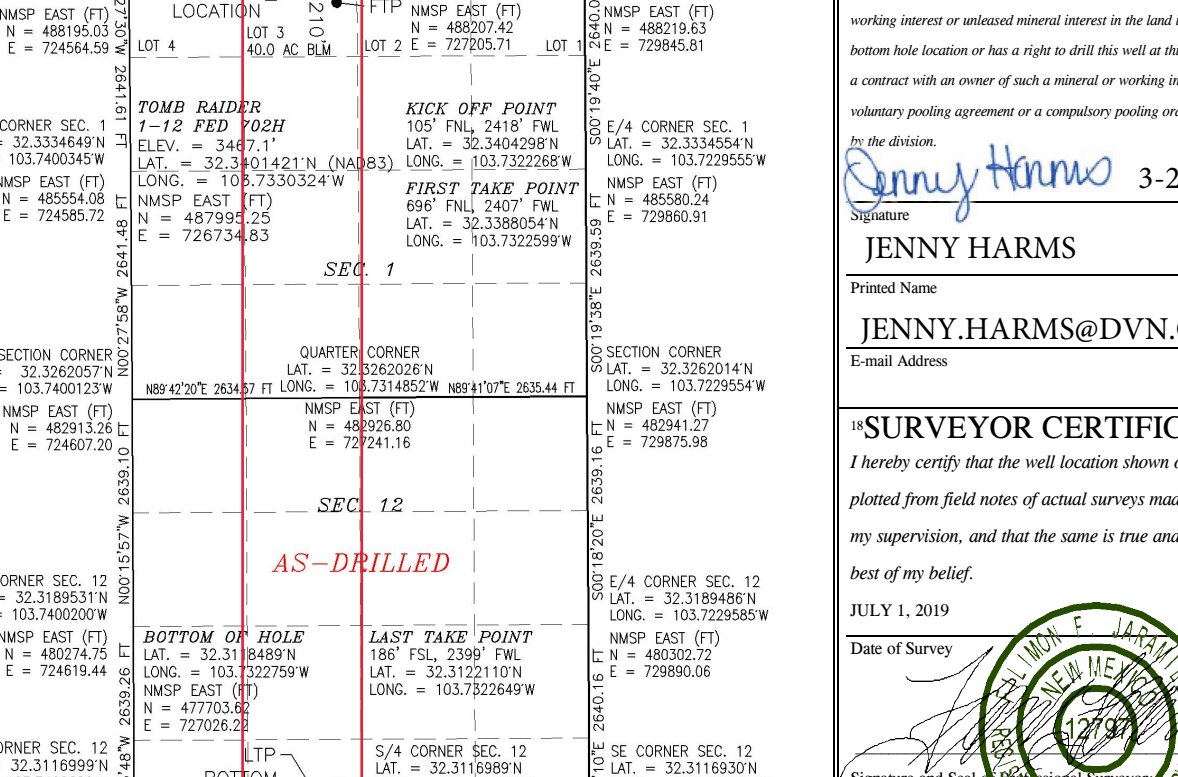
18 SURVEYOR CERTIFICATION

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.

JULY 1, 2019

Date of Survey _____


 Signature and Seal of Professional Surveyor _____
 Certification Number: _____ SURV. NO. 6666B



The diagram shows a well location on a plat with various corner points and bearings. Key features include:

- Top Section:** NW CORNER SEC. 1, W/4 CORNER SEC. 1, SECTION CORNER, and E/4 CORNER SEC. 1 with their respective coordinates.
- Well Location:** A well is shown with a bottom hole location. The well is labeled "AS-DRILLED" and "BOTTOM OF HOLE".
- Other Points:** TOMB RAIDER 1-12 FED 702H, KICK OFF POINT, FIRST TAKE POINT, and LAST TAKE POINT are marked with their coordinates.
- Bottom Section:** SW CORNER SEC. 12, S/4 CORNER SEC. 12, and SE CORNER SEC. 12 with their respective coordinates.

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

Devon

SURVEY REPORT

Tomb Raider 1-12 Fed 702H

Cactus 167

This survey is correct to the best of my knowledge and is supported by actual field data.

Notarized this data 6th of January, 2020

Sherry Stewart

Notary Signature

County of Midland

State of Texas





Scientific Drilling

Devon Energy

Eddy County, NM (NAD83 NME)

Tomb Raider 1-12 Fed

702H

OH

Survey: SDI Survey #1

Standard Survey Report

06 January, 2020



Scientific Drilling

www.scientificdrilling.com



Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Project	Eddy County, NM (NAD83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		Using geodetic scale factor

Site	Tomb Raider 1-12 Fed		
Site Position:		Northing:	487,968.75 usft
From:	Map	Easting:	727,482.68 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 20' 24.208 N
		Longitude:	103° 43' 50.202 W
		Grid Convergence:	0.32 °

Well	702H		
Well Position	+N/-S	0.00 usft	Northing: 487,995.25 usft
	+E/-W	0.00 usft	Easting: 726,734.83 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 20' 24.511 N
		Longitude:	103° 43' 58.917 W
		Ground Level:	3,467.00 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	7/25/2019	6.80
			Dip Angle (°) 60.07
			Field Strength (nT) 47,989.00000000

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (bearing) 178.30

Survey Program	Date	10/7/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
147.00	21,636.00	SDI Survey #1 (OH)	MWD+HDGM	OWSG MWD + HDGM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	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	
147.00	0.24	113.02	147.00	-0.12	0.28	0.13	0.16	0.16	0.00	
207.00	0.20	106.72	207.00	-0.20	0.50	0.21	0.08	-0.07	-10.50	
298.00	0.71	129.08	298.00	-0.60	1.09	0.63	0.58	0.56	24.57	
389.00	0.68	97.17	388.99	-1.02	2.06	1.08	0.42	-0.03	-35.07	
477.00	0.60	145.13	476.98	-1.47	2.84	1.55	0.60	-0.09	54.50	
568.00	0.34	150.38	567.98	-2.09	3.25	2.19	0.29	-0.29	5.77	
641.00	0.43	170.41	640.98	-2.55	3.40	2.65	0.22	0.12	27.44	
803.00	0.57	154.62	802.97	-3.88	3.85	3.99	0.12	0.09	-9.75	
894.00	0.96	139.33	893.97	-4.87	4.54	5.00	0.48	0.43	-16.80	

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
983.00	1.32	135.78	982.95	-6.17	5.74	6.33	0.41	0.40	-3.99
1,074.00	1.43	134.93	1,073.92	-7.72	7.28	7.93	0.12	0.12	-0.93
1,165.00	1.91	140.43	1,164.88	-9.69	9.05	9.95	0.56	0.53	6.04
1,256.00	1.56	116.89	1,255.84	-11.42	11.12	11.74	0.86	-0.38	-25.87
1,347.00	1.39	95.67	1,346.81	-12.09	13.32	12.48	0.62	-0.19	-23.32
1,439.00	0.60	21.95	1,438.80	-11.75	14.61	12.18	1.47	-0.86	-80.13
1,534.00	1.25	359.38	1,533.79	-10.25	14.78	10.69	0.77	0.68	-23.76
1,628.00	1.94	353.32	1,627.75	-7.65	14.59	8.08	0.75	0.73	-6.45
1,722.00	1.70	350.87	1,721.70	-4.69	14.18	5.11	0.27	-0.26	-2.61
1,817.00	1.64	351.69	1,816.66	-1.96	13.76	2.36	0.07	-0.06	0.86
1,911.00	1.41	328.71	1,910.63	0.36	12.97	0.02	0.69	-0.24	-24.45
2,006.00	1.14	301.38	2,005.61	1.86	11.55	-1.51	0.69	-0.28	-28.77
2,100.00	1.00	248.62	2,099.59	2.04	9.99	-1.75	1.02	-0.15	-56.13
2,196.00	1.94	225.55	2,195.56	0.60	8.05	-0.36	1.14	0.98	-24.03
2,291.00	1.89	223.97	2,290.51	-1.65	5.82	1.83	0.08	-0.05	-1.66
2,386.00	2.22	218.79	2,385.45	-4.22	3.58	4.32	0.40	0.35	-5.45
2,482.00	2.42	207.80	2,481.37	-7.46	1.47	7.50	0.51	0.21	-11.45
2,576.00	2.76	201.42	2,575.27	-11.32	-0.29	11.31	0.47	0.36	-6.79
2,671.00	2.36	195.21	2,670.18	-15.34	-1.64	15.28	0.51	-0.42	-6.54
2,767.00	1.44	184.81	2,766.13	-18.45	-2.26	18.37	1.02	-0.96	-10.83
2,863.00	0.57	193.93	2,862.11	-20.11	-2.47	20.03	0.92	-0.91	9.50
2,958.00	0.70	0.81	2,957.11	-19.99	-2.58	19.90	1.33	0.14	175.66
3,053.00	1.05	345.78	3,052.10	-18.57	-2.78	18.48	0.44	0.37	-15.82
3,148.00	1.12	24.58	3,147.08	-16.88	-2.61	16.79	0.76	0.07	40.84
3,243.00	1.38	24.04	3,242.06	-14.99	-1.76	14.93	0.27	0.27	-0.57
3,338.00	0.93	14.25	3,337.04	-13.20	-1.10	13.16	0.52	-0.47	-10.31
3,433.00	0.67	5.85	3,432.03	-11.90	-0.86	11.87	0.30	-0.27	-8.84
3,528.00	1.58	46.56	3,527.01	-10.44	0.15	10.44	1.22	0.96	42.85
3,623.00	3.50	83.06	3,621.92	-9.19	3.98	9.31	2.55	2.02	38.42
3,719.00	5.91	102.82	3,717.59	-9.94	11.71	10.28	2.99	2.51	20.58
3,814.00	6.24	106.23	3,812.06	-12.46	21.44	13.09	0.51	0.35	3.59
3,909.00	5.26	95.79	3,906.58	-14.35	30.73	15.25	1.50	-1.03	-10.99
4,004.00	5.49	87.92	4,001.17	-14.62	39.60	15.79	0.81	0.24	-8.28
4,099.00	5.11	75.20	4,095.76	-13.37	48.23	14.80	1.30	-0.40	-13.39
4,195.00	5.31	59.51	4,191.37	-10.03	56.20	11.69	1.49	0.21	-16.34
4,290.00	5.03	50.99	4,285.99	-5.18	63.22	7.05	0.86	-0.29	-8.97
4,386.00	4.35	42.03	4,381.67	0.18	68.93	1.87	1.04	-0.71	-9.33
4,481.00	4.57	34.08	4,476.38	5.99	73.46	-3.81	0.69	0.23	-8.37
4,576.00	5.63	25.87	4,571.00	13.32	77.61	-11.01	1.35	1.12	-8.64
4,670.00	6.88	21.80	4,664.44	22.69	81.72	-20.26	1.41	1.33	-4.33
4,765.00	8.17	22.63	4,758.62	34.21	86.43	-31.63	1.36	1.36	0.87
4,860.00	9.32	25.43	4,852.52	47.38	92.33	-44.62	1.29	1.21	2.95
4,956.00	10.12	27.22	4,947.14	61.91	99.53	-58.93	0.89	0.83	1.86
5,051.00	11.08	27.04	5,040.52	77.46	107.49	-74.24	1.01	1.01	-0.19

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,146.00	11.71	29.26	5,133.64	94.00	116.36	-90.51	0.81	0.66	2.34
5,241.00	12.45	32.84	5,226.54	111.01	126.62	-107.21	1.11	0.78	3.77
5,337.00	9.27	38.70	5,320.81	125.75	137.07	-121.63	3.50	-3.31	6.10
5,432.00	6.68	42.24	5,414.89	135.81	145.57	-131.43	2.77	-2.73	3.73
5,527.00	4.04	55.39	5,509.47	141.80	152.04	-137.23	3.05	-2.78	13.84
5,623.00	2.27	89.60	5,605.32	143.74	156.73	-139.03	2.62	-1.84	35.64
5,718.00	2.07	84.12	5,700.26	143.93	160.31	-139.11	0.30	-0.21	-5.77
5,812.00	2.32	88.05	5,794.19	144.17	163.90	-139.24	0.31	0.27	4.18
5,908.00	2.39	85.28	5,890.11	144.40	167.84	-139.35	0.14	0.07	-2.89
6,002.00	2.22	85.38	5,984.03	144.71	171.61	-139.55	0.18	-0.18	0.11
6,097.00	2.24	80.12	6,078.96	145.17	175.27	-139.91	0.22	0.02	-5.54
6,192.00	1.76	75.54	6,173.90	145.85	178.51	-140.49	0.53	-0.51	-4.82
6,287.00	1.83	84.62	6,268.85	146.36	181.44	-140.91	0.31	0.07	9.56
6,382.00	1.74	78.39	6,363.81	146.79	184.36	-141.26	0.23	-0.09	-6.56
6,478.00	2.01	81.36	6,459.76	147.34	187.45	-141.71	0.30	0.28	3.09
6,572.00	1.96	76.89	6,553.70	147.95	190.65	-142.23	0.17	-0.05	-4.76
6,668.00	1.68	74.63	6,649.65	148.70	193.60	-142.89	0.30	-0.29	-2.35
6,762.00	1.32	90.05	6,743.62	149.06	196.01	-143.18	0.57	-0.38	16.40
6,857.00	1.01	123.97	6,838.60	148.59	197.80	-142.66	0.78	-0.33	35.71
6,952.00	1.04	151.82	6,933.59	147.37	198.90	-141.40	0.52	0.03	29.32
7,048.00	1.68	174.27	7,029.56	145.20	199.46	-139.22	0.86	0.67	23.39
7,143.00	2.65	188.37	7,124.49	141.64	199.28	-135.66	1.16	1.02	14.84
7,238.00	2.14	187.54	7,219.41	137.71	198.72	-131.75	0.54	-0.54	-0.87
7,333.00	1.91	164.25	7,314.35	134.43	198.92	-128.46	0.89	-0.24	-24.52
7,429.00	1.63	133.41	7,410.31	131.95	200.35	-125.95	1.02	-0.29	-32.13
7,524.00	1.58	139.01	7,505.27	130.03	202.19	-123.97	0.17	-0.05	5.89
7,619.00	1.35	121.81	7,600.24	128.45	204.00	-122.34	0.52	-0.24	-18.11
7,715.00	1.20	125.85	7,696.21	127.27	205.77	-121.11	0.18	-0.16	4.21
7,810.00	1.36	122.03	7,791.19	126.09	207.53	-119.87	0.19	0.17	-4.02
7,905.00	1.42	131.45	7,886.16	124.71	209.37	-118.44	0.25	0.06	9.92
8,000.00	1.63	102.10	7,981.13	123.65	211.58	-117.32	0.84	0.22	-30.89
8,095.00	1.85	88.53	8,076.09	123.40	214.43	-116.99	0.49	0.23	-14.28
8,191.00	1.85	100.02	8,172.04	123.17	217.50	-116.67	0.39	0.00	11.97
8,286.00	2.21	119.28	8,266.98	122.01	220.61	-115.41	0.81	0.38	20.27
8,382.00	2.32	134.38	8,362.90	119.75	223.62	-113.06	0.63	0.11	15.73
8,476.00	1.72	128.23	8,456.85	117.54	226.08	-110.78	0.68	-0.64	-6.54
8,572.00	1.07	122.51	8,552.82	116.17	227.97	-109.35	0.69	-0.68	-5.96
8,667.00	0.59	126.57	8,647.81	115.40	229.11	-108.55	0.51	-0.51	4.27
8,762.00	0.17	306.60	8,742.81	115.19	229.39	-108.34	0.80	-0.44	-189.44
8,858.00	0.81	263.99	8,838.80	115.21	228.60	-108.37	0.72	0.67	-44.39
8,953.00	0.46	262.76	8,933.80	115.09	227.56	-108.29	0.37	-0.37	-1.29
9,049.00	0.83	314.13	9,029.79	115.52	226.68	-108.75	0.68	0.39	53.51
9,144.00	1.01	13.37	9,124.78	116.82	226.38	-110.05	0.97	0.19	62.36

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,239.00	0.60	356.69	9,219.77	118.13	226.54	-111.36	0.49	-0.43	-17.56
9,335.00	0.26	340.42	9,315.77	118.84	226.44	-112.07	0.37	-0.35	-16.95
9,430.00	0.54	8.86	9,410.77	119.48	226.43	-112.71	0.35	0.29	29.94
9,524.00	0.05	246.57	9,504.76	119.90	226.47	-113.13	0.60	-0.52	-130.10
9,618.00	0.13	41.54	9,598.76	119.97	226.50	-113.19	0.19	0.09	164.86
9,714.00	0.27	91.35	9,694.76	120.04	226.80	-113.26	0.22	0.15	51.89
9,808.00	0.57	151.27	9,788.76	119.63	227.24	-112.83	0.52	0.32	63.74
9,903.00	0.49	108.84	9,883.76	119.08	227.85	-112.27	0.41	-0.08	-44.66
9,997.00	1.22	108.06	9,977.75	118.64	229.19	-111.79	0.78	0.78	-0.83
10,092.00	1.64	111.08	10,072.72	117.84	231.42	-110.92	0.45	0.44	3.18
10,187.00	1.59	105.88	10,167.68	116.99	233.95	-110.00	0.16	-0.05	-5.47
10,282.00	2.18	104.89	10,262.63	116.16	236.97	-109.08	0.62	0.62	-1.04
10,377.00	1.76	97.26	10,357.57	115.52	240.16	-108.34	0.52	-0.44	-8.03
10,472.00	1.45	94.59	10,452.53	115.24	242.81	-107.98	0.34	-0.33	-2.81
10,567.00	0.83	122.55	10,547.51	114.77	244.58	-107.46	0.86	-0.65	29.43
10,662.00	1.07	110.05	10,642.50	114.10	246.00	-106.75	0.33	0.25	-13.16
10,757.00	0.89	168.01	10,737.49	113.07	246.98	-105.69	1.01	-0.19	61.01
10,851.00	1.79	163.09	10,831.46	110.95	247.56	-103.56	0.96	0.96	-5.23
10,947.00	1.28	178.77	10,927.43	108.44	248.02	-101.04	0.68	-0.53	16.33
11,042.00	1.55	164.89	11,022.40	106.14	248.38	-98.73	0.46	0.28	-14.61
11,075.00	1.75	179.85	11,055.39	105.21	248.50	-97.79	1.43	0.61	45.33
11,200.00	2.09	179.74	11,180.32	101.02	248.51	-93.60	0.27	0.27	-0.09
11,296.00	2.28	170.47	11,276.25	97.39	248.84	-89.96	0.42	0.20	-9.66
11,391.00	5.60	194.27	11,371.01	91.03	248.01	-83.63	3.82	3.49	25.05
11,487.00	14.57	178.01	11,465.45	74.38	247.27	-67.02	9.71	9.34	-16.94
11,582.00	24.38	181.08	11,554.91	42.76	247.31	-35.40	10.38	10.33	3.23
11,677.00	33.89	180.90	11,637.79	-3.43	246.53	10.74	10.01	10.01	-0.19
11,773.00	45.66	178.06	11,711.45	-64.72	247.27	72.03	12.40	12.26	-2.96
11,868.00	52.63	176.25	11,773.56	-136.44	250.90	143.82	7.48	7.34	-1.91
11,963.00	61.30	181.18	11,825.32	-215.95	252.51	223.35	10.11	9.13	5.19
12,059.00	68.02	184.21	11,866.39	-302.55	248.37	309.78	7.56	7.00	3.16
12,154.00	74.88	182.16	11,896.60	-392.42	243.40	399.47	7.50	7.22	-2.16
12,249.00	79.56	180.22	11,917.61	-485.01	241.49	491.96	5.31	4.93	-2.04
12,345.00	83.51	178.52	11,931.74	-579.94	242.54	586.88	4.47	4.11	-1.77
12,439.00	88.96	179.25	11,937.91	-673.68	244.37	680.64	5.85	5.80	0.78
12,536.00	90.91	180.09	11,938.02	-770.68	244.92	777.60	2.19	2.01	0.87
12,631.00	88.26	179.88	11,938.71	-865.66	244.95	872.55	2.80	-2.79	-0.22
12,726.00	86.81	178.30	11,942.80	-960.56	246.46	967.45	2.26	-1.53	-1.66
12,822.00	90.20	180.64	11,945.30	-1,056.50	247.34	1,063.37	4.29	3.53	2.44
12,917.00	90.00	180.50	11,945.13	-1,151.50	246.40	1,158.30	0.26	-0.21	-0.15
13,013.00	87.25	178.72	11,947.44	-1,247.45	247.05	1,254.23	3.41	-2.86	-1.85
13,108.00	88.69	177.83	11,950.80	-1,342.35	249.91	1,349.17	1.78	1.52	-0.94
13,204.00	90.30	178.06	11,951.65	-1,438.28	253.35	1,445.16	1.69	1.68	0.24

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
13,299.00	91.51	179.13	11,950.15	-1,533.24	255.68	1,540.15	1.70	1.27	1.13	
13,394.00	91.78	179.52	11,947.42	-1,628.19	256.80	1,635.09	0.50	0.28	0.41	
13,490.00	88.79	178.42	11,946.94	-1,724.16	258.52	1,731.07	3.32	-3.11	-1.15	
13,586.00	88.62	178.41	11,949.11	-1,820.10	261.18	1,827.05	0.18	-0.18	-0.01	
13,681.00	88.99	179.14	11,951.09	-1,915.06	263.21	1,922.02	0.86	0.39	0.77	
13,776.00	90.77	178.85	11,951.29	-2,010.04	264.87	2,017.01	1.90	1.87	-0.31	
13,871.00	90.77	178.36	11,950.02	-2,105.00	267.19	2,112.00	0.52	0.00	-0.52	
13,967.00	90.88	178.23	11,948.63	-2,200.95	270.04	2,207.99	0.18	0.11	-0.14	
14,062.00	90.50	178.15	11,947.49	-2,295.89	273.04	2,302.98	0.41	-0.40	-0.08	
14,157.00	89.90	177.59	11,947.16	-2,390.83	276.57	2,397.98	0.86	-0.63	-0.59	
14,252.00	90.37	179.20	11,946.94	-2,485.79	279.23	2,492.98	1.77	0.49	1.69	
14,347.00	90.61	178.83	11,946.12	-2,580.77	280.87	2,587.96	0.46	0.25	-0.39	
14,442.00	91.21	179.13	11,944.61	-2,675.74	282.56	2,682.95	0.71	0.63	0.32	
14,538.00	90.61	181.22	11,943.09	-2,771.72	282.27	2,778.88	2.26	-0.63	2.18	
14,633.00	90.10	180.96	11,942.50	-2,866.70	280.46	2,873.76	0.60	-0.54	-0.27	
14,729.00	90.54	181.31	11,941.96	-2,962.68	278.56	2,969.64	0.59	0.46	0.36	
14,824.00	89.97	181.37	11,941.54	-3,057.65	276.34	3,064.51	0.60	-0.60	0.06	
14,919.00	89.36	181.69	11,942.10	-3,152.62	273.80	3,159.35	0.73	-0.64	0.34	
15,015.00	90.67	181.32	11,942.07	-3,248.58	271.28	3,255.20	1.42	1.36	-0.39	
15,110.00	91.35	180.91	11,940.40	-3,343.55	269.43	3,350.07	0.84	0.72	-0.43	
15,206.00	91.31	180.07	11,938.17	-3,439.52	268.61	3,445.97	0.88	-0.04	-0.88	
15,301.00	91.55	182.01	11,935.80	-3,534.47	266.88	3,540.83	2.06	0.25	2.04	
15,396.00	88.32	181.66	11,935.91	-3,629.41	263.84	3,635.64	3.42	-3.40	-0.37	
15,491.00	88.72	181.72	11,938.36	-3,724.33	261.04	3,730.44	0.43	0.42	0.06	
15,586.00	88.66	181.70	11,940.53	-3,819.27	258.21	3,825.25	0.07	-0.06	-0.02	
15,682.00	88.65	180.59	11,942.78	-3,915.22	256.29	3,921.10	1.16	-0.01	-1.16	
15,777.00	88.50	181.93	11,945.15	-4,010.17	254.20	4,015.94	1.42	-0.16	1.41	
15,872.00	88.52	179.51	11,947.62	-4,105.12	253.01	4,110.82	2.55	0.02	-2.55	
15,968.00	89.13	179.38	11,949.89	-4,216.09	254.08	4,221.77	0.56	0.55	-0.12	
16,078.00	88.19	179.22	11,952.12	-4,311.06	255.24	4,316.73	1.00	-0.99	-0.17	
16,173.00	89.23	178.32	11,954.25	-4,406.01	257.28	4,411.70	1.45	1.09	-0.95	
16,268.00	88.79	177.72	11,955.90	-4,500.94	260.56	4,506.69	0.78	-0.46	-0.63	
16,364.00	90.57	179.44	11,956.43	-4,596.90	262.94	4,602.68	2.58	1.85	1.79	
16,459.00	90.37	179.19	11,955.65	-4,691.89	264.08	4,697.66	0.34	-0.21	-0.26	
16,554.00	89.83	179.09	11,955.49	-4,786.88	265.51	4,792.65	0.58	-0.57	-0.11	
16,650.00	88.43	178.74	11,956.94	-4,882.85	267.32	4,888.63	1.50	-1.46	-0.36	
16,745.00	90.27	179.45	11,958.02	-4,977.82	268.82	4,983.61	2.08	1.94	0.75	
16,841.00	89.77	179.15	11,957.99	-5,073.82	270.00	5,079.59	0.61	-0.52	-0.31	
16,936.00	91.81	180.91	11,956.68	-5,168.80	269.95	5,174.53	2.84	2.15	1.85	
17,031.00	92.01	181.84	11,953.51	-5,263.72	267.67	5,269.34	1.00	0.21	0.98	
17,127.00	89.87	180.18	11,951.94	-5,359.68	265.98	5,365.21	2.82	-2.23	-1.73	
17,222.00	88.96	180.42	11,952.91	-5,454.67	265.48	5,460.15	0.99	-0.96	0.25	
17,318.00	89.36	180.91	11,954.32	-5,550.66	264.37	5,556.05	0.66	0.42	0.51	
17,413.00	88.26	180.70	11,956.29	-5,645.62	263.03	5,650.94	1.18	-1.16	-0.22	

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,509.00	87.75	179.79	11,959.63	-5,741.56	262.62	5,746.83	1.09	-0.53	-0.95
17,604.00	90.64	179.62	11,960.96	-5,836.54	263.11	5,841.78	3.05	3.04	-0.18
17,699.00	90.00	179.41	11,960.43	-5,931.54	263.91	5,936.76	0.71	-0.67	-0.22
17,794.00	91.61	179.16	11,959.10	-6,026.52	265.10	6,031.73	1.72	1.69	-0.26
17,889.00	91.71	179.28	11,956.35	-6,121.47	266.39	6,126.68	0.16	0.11	0.13
17,984.00	90.67	178.76	11,954.37	-6,216.43	268.02	6,221.65	1.22	-1.09	-0.55
18,080.00	90.91	178.56	11,953.05	-6,312.40	270.26	6,317.64	0.33	0.25	-0.21
18,174.00	90.47	178.59	11,951.92	-6,406.36	272.60	6,411.63	0.47	-0.47	0.03
18,269.00	88.02	176.74	11,953.17	-6,501.26	276.47	6,506.60	3.23	-2.58	-1.95
18,364.00	90.27	178.55	11,954.59	-6,596.16	280.37	6,601.58	3.04	2.37	1.91
18,459.00	86.31	176.04	11,957.42	-6,690.99	284.85	6,696.49	4.93	-4.17	-2.64
18,554.00	92.69	180.19	11,958.25	-6,785.86	287.97	6,791.42	8.01	6.72	4.37
18,649.00	91.54	180.44	11,954.75	-6,880.79	287.45	6,886.29	1.24	-1.21	0.26
18,744.00	91.24	180.72	11,952.44	-6,975.76	286.49	6,981.19	0.43	-0.32	0.29
18,839.00	91.21	180.44	11,950.41	-7,070.74	285.52	7,076.09	0.30	-0.03	-0.29
18,925.00	93.25	180.07	11,947.06	-7,156.66	285.14	7,161.97	2.41	2.37	-0.43
19,020.00	92.49	180.12	11,942.31	-7,251.54	284.98	7,256.81	0.80	-0.80	0.05
19,115.00	89.93	178.82	11,940.30	-7,346.51	285.86	7,351.76	3.02	-2.69	-1.37
19,210.00	89.43	178.25	11,940.83	-7,441.48	288.29	7,446.75	0.80	-0.53	-0.60
19,303.00	88.93	175.46	11,942.16	-7,534.32	293.39	7,539.70	3.05	-0.54	-3.00
19,397.00	89.46	177.34	11,943.48	-7,628.12	299.29	7,633.64	2.08	0.56	2.00
19,491.00	88.76	178.41	11,944.94	-7,722.04	302.78	7,727.62	1.36	-0.74	1.14
19,586.00	88.15	178.70	11,947.51	-7,816.97	305.17	7,822.59	0.71	-0.64	0.31
19,682.00	87.62	179.60	11,951.05	-7,912.90	306.60	7,918.51	1.09	-0.55	0.94
19,776.00	92.04	180.72	11,951.33	-8,006.87	306.33	8,012.44	4.85	4.70	1.19
19,871.00	90.37	180.44	11,949.33	-8,101.84	305.37	8,107.34	1.78	-1.76	-0.29
19,966.00	88.93	180.62	11,949.91	-8,196.83	304.49	8,202.26	1.53	-1.52	0.19
20,060.00	87.39	180.20	11,952.93	-8,290.78	303.82	8,296.14	1.70	-1.64	-0.45
20,155.00	91.94	180.86	11,953.48	-8,385.75	302.94	8,391.05	4.84	4.79	0.69
20,251.00	88.43	180.72	11,953.17	-8,481.72	301.62	8,486.94	3.66	-3.66	-0.15
20,346.00	89.97	182.54	11,954.50	-8,576.67	298.92	8,581.76	2.51	1.62	1.92
20,441.00	86.07	180.78	11,957.78	-8,671.55	296.17	8,676.52	4.50	-4.11	-1.85
20,535.00	91.58	181.89	11,959.71	-8,765.47	293.98	8,770.33	5.98	5.86	1.18
20,630.00	88.19	178.06	11,959.90	-8,860.44	294.02	8,865.26	5.38	-3.57	-4.03
20,726.00	88.36	179.32	11,962.79	-8,956.37	296.21	8,961.21	1.32	0.18	1.31
20,821.00	87.99	178.77	11,965.82	-9,051.30	297.79	9,056.15	0.70	-0.39	-0.58
20,915.00	89.33	179.66	11,968.01	-9,145.27	299.08	9,150.11	1.71	1.43	0.95
21,010.00	88.86	180.41	11,969.51	-9,240.25	299.02	9,245.06	0.93	-0.49	0.79
21,104.00	89.93	180.21	11,970.51	-9,334.25	298.52	9,338.99	1.16	1.14	-0.21
21,200.00	90.47	180.99	11,970.17	-9,430.24	297.51	9,434.91	0.99	0.56	0.81
21,295.00	90.40	181.00	11,969.45	-9,525.22	295.86	9,529.81	0.07	-0.07	0.01
21,390.00	89.87	180.77	11,969.23	-9,620.21	294.39	9,624.71	0.61	-0.56	-0.24
21,485.00	89.36	180.03	11,969.86	-9,715.20	293.73	9,719.64	0.95	-0.54	-0.78

Company:	Devon Energy	Local Co-ordinate Reference:	Well 702H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Site:	Tomb Raider 1-12 Fed	MD Reference:	KB = 24' @ 3491.00usft (Cactus 167)
Well:	702H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,579.00	89.30	179.79	11,970.96	-9,809.20	293.88	9,813.60	0.26	-0.06	-0.26
21,675.00	88.32	179.82	11,972.96	-9,905.17	294.20	9,909.54	1.02	-1.02	0.03
21,770.00	88.72	179.59	11,975.41	-10,000.14	294.69	10,004.48	0.49	0.42	-0.24
21,865.00	92.08	179.98	11,974.75	-10,095.12	295.05	10,099.43	3.56	3.54	0.41
21,960.00	93.53	181.44	11,970.10	-10,190.00	293.87	10,194.23	2.16	1.53	1.54
22,006.00	92.89	181.23	11,967.52	-10,235.91	292.80	10,240.09	1.46	-1.39	-0.46
FINAL MWD Survey (22006.00' MD)									
22,064.00	92.89	181.23	11,964.60	-10,293.83	291.56	10,297.95	0.00	0.00	0.00
FINAL Proj. to Bit (22064.00' MD) - BHL[TR1-12\702H]									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
22,006.00	11,967.52	-10,235.91	292.80	FINAL MWD Survey (22006.00' MD)	
22,064.00	11,964.60	-10,293.83	291.56	FINAL Proj. to Bit (22064.00' MD)	

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