

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45979		² Pool Code 98123		WC-015 G-08 S233102C; WOLFCAMP		³ Pool Name	
⁴ Property Code 316874		⁵ Property Name TOMB RAIDER 1-12 FED				⁶ Well Number 732H	
⁷ OGRID No. AA		⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.				⁹ Elevation 3466.9	

" Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	1	23S	31E		210	NORTH	2139	WEST	EDDY

" 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
N	12	23S	31E		1231	SOUTH	1787	WEST	EDDY

¹² Dedicated Acres 640	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.

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 into the division. <i>Sunny Harms</i> 3-10-2020 Signature Date 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. FEBRUARY 26, 2020 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: 12797 Professional Surveyor No. 6664A	
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RWP 3-24-20

Intent ☐ As Drilled ☒

API #
30-015-45979

Operator Name:
DEVON ENERGY PRODUCTION
COMPANY, L.P.

Property Name:
TOMB RAIDER 1-12 FED

Well Number
732H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	1	23S	31E	3	61	NORTH	1705	WEST	EDDY
Latitude					Longitude			NAD	
32.3405521					103.7345360			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	1	23S	31E	3	651	NORTH	1754	WEST	EDDY
Latitude					Longitude			NAD	
32.3389309					103.7343740			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
K	12	23S	31E		1395	SOUTH	1782	WEST	EDDY
Latitude					Longitude			NAD	
32.3155319					103.7342576			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 #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018

RECEIVED

MAR 11 2020

EMNRD-OCDARTESIA

Devon

SURVEY REPORT

Tomb Raider 1-12 Fed 732H

Cactus 167

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

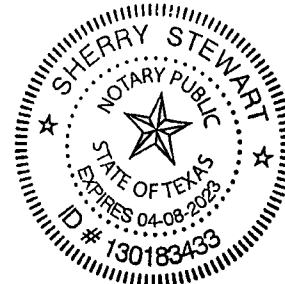
Notarized this data 6th of January, 2020

Sherry Stewart

Notary Signature

County of Midland

State of Texas



 Scientific Drilling

The Ultimate Partner In Wellbore Placement



Scientific Drilling

Devon Energy

Eddy County, NM (NAD83 NME)

Tomb Raider 1-12 Fed

732H

OH

Survey: SDI MWD Surveys

Standard Survey Report

06 January, 2020



Scientific Drilling

www.scientificdrilling.com



Company:	Devon Energy	Local Co-ordinate Reference:	Well 732H
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:	732H	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	Latitude:	32° 20' 24.208 N
From:	Map	Easting:	727,482.68 usft	Longitude:	103° 43' 50.202 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.32 °

Well		732H				
Well Position	+N/-S	0.00 usft	Northing:	487,995.07 usft	Latitude:	32° 20' 24.511 N
	+E/-W	0.00 usft	Easting:	726,704.85 usft	Longitude:	103° 43' 59.266 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,467.00 usft

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

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

Survey Program		Date	10/24/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
207.00	19,922.00	SDI MWD Surveys (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	
207.00	0.47	258.90	207.00	-0.16		-0.83	0.19	0.23	0.00	
298.00	0.57	308.96	297.99	0.05		-1.55	0.00	0.49	55.01	
389.00	0.54	311.46	388.99	0.62		-2.22	-0.55	0.04	2.75	
478.00	0.57	304.84	477.99	1.15		-2.90	-1.06	0.08	-7.44	
569.00	0.42	267.33	568.98	1.39		-3.61	-1.28	0.38	-41.22	
638.00	0.79	275.04	637.98	1.42		-4.33	-1.28	0.55	11.17	
802.00	0.30	260.06	801.97	1.45		-5.88	-1.26	0.31	-9.13	
893.00	0.60	269.94	892.97	1.41		-6.59	-1.20	0.34	10.86	
983.00	0.81	266.32	982.96	1.36		-7.70	-1.12	0.24	-4.02	

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Well:	732H	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)
1,074.00	1.11	272.70	1,073.95	1.36	-9.22	-1.07	0.35	0.33	7.01
1,165.00	1.38	277.38	1,164.93	1.55	-11.19	-1.19	0.32	0.30	5.14
1,256.00	1.48	270.11	1,255.90	1.69	-13.45	-1.27	0.23	0.11	-7.99
1,346.00	1.70	266.27	1,345.86	1.60	-15.95	-1.10	0.27	0.24	-4.27
1,438.00	1.26	261.96	1,437.83	1.37	-18.31	-0.80	0.49	-0.48	-4.68
1,534.00	0.91	252.52	1,533.82	1.00	-20.08	-0.37	0.41	-0.36	-9.83
1,628.00	1.13	250.17	1,627.80	0.46	-21.67	0.22	0.24	0.23	-2.50
1,721.00	1.09	258.70	1,720.78	-0.03	-23.40	0.76	0.18	-0.04	9.17
1,817.00	0.77	279.20	1,816.77	-0.10	-24.93	0.88	0.48	-0.33	21.35
1,911.00	0.73	311.32	1,910.76	0.40	-26.00	0.42	0.44	-0.04	34.17
2,006.00	0.65	3.21	2,005.76	1.33	-26.42	-0.50	0.64	-0.08	54.62
2,100.00	0.77	2.42	2,099.75	2.50	-26.37	-1.67	0.13	0.13	-0.84
2,195.00	0.90	13.81	2,194.74	3.86	-26.16	-3.03	0.22	0.14	11.99
2,291.00	0.98	18.98	2,290.73	5.37	-25.72	-4.56	0.12	0.08	5.39
2,386.00	1.00	25.98	2,385.71	6.88	-25.09	-6.09	0.13	0.02	7.37
2,481.00	1.14	34.49	2,480.70	8.40	-24.19	-7.64	0.22	0.15	8.96
2,576.00	1.33	43.16	2,575.67	9.99	-22.90	-9.26	0.28	0.20	9.13
2,671.00	1.05	23.61	2,670.65	11.59	-21.80	-10.90	0.52	-0.29	-20.58
2,767.00	0.93	311.65	2,766.64	12.91	-22.03	-12.22	1.22	-0.13	-74.96
2,862.00	1.91	281.94	2,861.61	13.75	-24.15	-12.99	1.26	1.03	-31.27
2,958.00	3.21	279.80	2,957.52	14.54	-28.37	-13.64	1.36	1.35	-2.23
3,053.00	4.40	280.16	3,052.30	15.64	-34.58	-14.54	1.25	1.25	0.38
3,148.00	5.41	282.74	3,146.96	17.27	-42.53	-15.92	1.09	1.06	2.72
3,243.00	7.38	286.39	3,241.36	19.98	-52.75	-18.31	2.12	2.07	3.84
3,338.00	8.19	286.40	3,335.48	23.61	-65.10	-21.55	0.85	0.85	0.01
3,433.00	8.71	287.05	3,429.45	27.63	-78.47	-25.15	0.56	0.55	0.68
3,528.00	8.55	287.92	3,523.38	31.91	-92.06	-29.00	0.22	-0.17	0.92
3,623.00	7.28	285.46	3,617.47	35.69	-104.58	-32.39	1.38	-1.34	-2.59
3,719.00	5.82	272.56	3,712.85	37.53	-115.31	-33.89	2.15	-1.52	-13.44
3,814.00	6.19	269.00	3,807.33	37.65	-125.24	-33.70	0.55	0.39	-3.75
3,909.00	7.29	272.84	3,901.67	37.86	-136.38	-33.56	1.25	1.16	4.04
4,004.00	6.87	268.49	3,995.94	38.01	-148.08	-33.34	0.72	-0.44	-4.58
4,099.00	7.75	267.25	4,090.17	37.55	-160.16	-32.51	0.94	0.93	-1.31
4,194.00	8.71	269.76	4,184.19	37.22	-173.75	-31.74	1.08	1.01	2.64
4,290.00	8.58	273.23	4,279.10	37.59	-188.17	-31.66	0.56	-0.14	3.61
4,385.00	9.28	280.38	4,372.95	39.37	-202.78	-32.98	1.38	0.74	7.53
4,481.00	9.29	292.12	4,467.70	43.68	-217.58	-36.83	1.97	0.01	12.23
4,575.00	9.80	293.46	4,560.40	49.72	-231.94	-42.41	0.59	0.54	1.43
4,670.00	10.85	291.71	4,653.86	56.25	-247.67	-48.44	1.15	1.11	-1.84
4,765.00	11.96	292.05	4,746.98	63.25	-265.10	-54.90	1.17	1.17	0.36
4,860.00	13.62	291.44	4,839.62	71.04	-284.64	-62.06	1.75	1.75	-0.64
4,955.00	14.13	292.36	4,931.85	79.54	-305.77	-69.89	0.58	0.54	0.97
5,050.00	13.61	294.49	5,024.08	88.58	-326.67	-78.28	0.77	-0.55	2.24
5,146.00	11.68	301.54	5,117.76	98.35	-345.23	-87.46	2.57	-2.01	7.34

Company:	Devon Energy	Local Co-ordinate Reference:	Well 732H
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Well:	732H	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)
5,241.00	10.47	307.30	5,210.99	108.61	-360.29	-97.24	1.72	-1.27	6.06
5,336.00	8.14	313.33	5,304.73	118.46	-372.05	-106.71	2.66	-2.45	6.35
5,432.00	6.65	318.35	5,399.93	127.28	-380.69	-115.26	1.69	-1.55	5.23
5,527.00	5.39	322.73	5,494.41	134.94	-387.05	-122.71	1.41	-1.33	4.61
5,622.00	4.29	332.15	5,589.07	141.63	-391.41	-129.27	1.42	-1.16	9.92
5,718.00	2.94	346.00	5,684.88	147.19	-393.69	-134.76	1.67	-1.41	14.43
5,812.00	2.80	355.11	5,778.76	151.82	-394.46	-139.36	0.51	-0.15	9.69
5,907.00	2.42	14.14	5,873.66	156.08	-394.17	-143.62	0.99	-0.40	20.03
6,002.00	1.56	31.83	5,968.61	159.12	-393.00	-146.70	1.10	-0.91	18.62
6,097.00	0.37	89.37	6,063.59	160.22	-392.01	-147.83	1.47	-1.25	60.57
6,191.00	0.32	128.94	6,157.59	160.06	-391.50	-147.69	0.25	-0.05	42.10
6,287.00	0.33	137.31	6,253.59	159.69	-391.11	-147.33	0.05	0.01	8.72
6,382.00	0.30	133.70	6,348.59	159.32	-390.74	-146.97	0.04	-0.03	-3.80
6,477.00	0.29	190.46	6,443.59	158.91	-390.61	-146.56	0.30	-0.01	59.75
6,572.00	0.20	162.66	6,538.59	158.51	-390.60	-146.17	0.15	-0.09	-29.26
6,667.00	0.14	223.76	6,633.59	158.27	-390.63	-145.92	0.19	-0.06	64.32
6,762.00	0.26	175.06	6,728.58	157.97	-390.69	-145.62	0.21	0.13	-51.26
6,857.00	0.46	202.02	6,823.58	157.41	-390.82	-145.05	0.27	0.21	28.38
6,952.00	0.29	208.29	6,918.58	156.84	-391.07	-144.48	0.18	-0.18	6.60
7,048.00	0.51	188.27	7,014.58	156.20	-391.25	-143.84	0.27	0.23	-20.85
7,143.00	0.76	189.71	7,109.57	155.16	-391.42	-142.79	0.26	0.26	1.52
7,238.00	1.73	197.73	7,204.55	153.18	-391.96	-140.79	1.03	1.02	8.44
7,333.00	2.38	197.26	7,299.49	149.93	-392.98	-137.51	0.68	0.68	-0.49
7,428.00	2.28	195.42	7,394.41	146.22	-394.07	-133.77	0.13	-0.11	-1.94
7,524.00	1.74	192.62	7,490.35	142.96	-394.90	-130.48	0.57	-0.56	-2.92
7,619.00	1.66	189.21	7,585.31	140.19	-395.43	-127.70	0.14	-0.08	-3.59
7,715.00	1.67	182.83	7,681.27	137.42	-395.72	-124.93	0.19	0.01	-6.65
7,810.00	1.68	185.01	7,776.23	134.65	-395.91	-122.15	0.07	0.01	2.29
7,904.00	1.63	184.83	7,870.19	131.95	-396.15	-119.44	0.05	-0.05	-0.19
8,000.00	1.74	187.19	7,966.15	129.14	-396.44	-116.63	0.14	0.11	2.46
8,095.00	1.54	187.37	8,061.11	126.45	-396.79	-113.92	0.21	-0.21	0.19
8,190.00	1.41	185.25	8,156.08	124.02	-397.06	-111.48	0.15	-0.14	-2.23
8,286.00	1.32	188.20	8,252.05	121.74	-397.33	-109.20	0.12	-0.09	3.07
8,382.00	1.52	188.21	8,348.02	119.39	-397.66	-106.84	0.21	0.21	0.01
8,477.00	1.72	222.63	8,442.98	117.09	-398.81	-104.51	1.03	0.21	36.23
8,572.00	1.79	226.91	8,537.94	115.03	-400.86	-102.38	0.16	0.07	4.51
8,667.00	2.01	209.40	8,632.89	112.57	-402.76	-99.86	0.65	0.23	-18.43
8,762.00	1.86	235.98	8,727.83	110.25	-404.86	-97.48	0.95	-0.16	27.98
8,858.00	1.89	238.55	8,823.78	108.55	-407.50	-95.70	0.09	0.03	2.68
8,954.00	2.03	266.07	8,919.73	107.61	-410.55	-94.66	0.98	0.15	28.67
9,049.00	2.06	283.18	9,014.67	107.89	-413.89	-94.83	0.64	0.03	18.01
9,144.00	1.87	269.96	9,109.61	108.27	-417.10	-95.12	0.52	-0.20	-13.92
9,240.00	1.71	268.41	9,205.57	108.23	-420.10	-94.98	0.17	-0.17	-1.61

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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)	
9,335.00	2.11	287.12	9,300.51	108.71	-423.19	-95.36	0.77	0.42	19.69	
9,430.00	2.48	292.30	9,395.44	110.00	-426.76	-96.54	0.45	0.39	5.45	
9,524.00	2.38	287.56	9,489.35	111.36	-430.50	-97.79	0.24	-0.11	-5.04	
9,619.00	2.75	288.88	9,584.26	112.70	-434.54	-98.99	0.39	0.39	1.39	
9,714.00	2.44	275.31	9,679.16	113.62	-438.71	-99.79	0.72	-0.33	-14.28	
9,809.00	3.06	298.29	9,774.06	115.01	-442.95	-101.04	1.32	0.65	24.19	
9,904.00	3.67	318.66	9,868.89	118.50	-447.20	-104.39	1.40	0.64	21.44	
9,997.00	3.09	329.97	9,961.73	122.90	-450.42	-108.69	0.95	-0.62	12.16	
10,092.00	2.19	333.07	10,056.63	126.74	-452.52	-112.46	0.96	-0.95	3.26	
10,188.00	2.06	344.50	10,152.57	130.03	-453.81	-115.71	0.46	-0.14	11.91	
10,283.00	2.09	352.71	10,247.50	133.40	-454.49	-119.06	0.31	0.03	8.64	
10,377.00	1.85	350.06	10,341.45	136.59	-454.97	-122.23	0.27	-0.26	-2.82	
10,472.00	1.41	7.43	10,436.41	139.26	-455.08	-124.90	0.69	-0.46	18.28	
10,567.00	1.13	0.59	10,531.39	141.36	-454.92	-127.00	0.33	-0.29	-7.20	
10,662.00	1.15	328.10	10,626.37	143.10	-455.41	-128.73	0.67	0.02	-34.20	
10,757.00	0.62	18.30	10,721.36	144.40	-455.76	-130.01	0.94	-0.56	52.84	
10,852.00	1.07	46.87	10,816.35	145.49	-454.95	-131.13	0.64	0.47	30.07	
10,947.00	1.32	49.42	10,911.33	146.81	-453.47	-132.50	0.27	0.26	2.68	
11,042.00	1.32	74.35	11,006.30	147.82	-451.58	-133.56	0.60	0.00	26.24	
11,137.00	1.69	95.93	11,101.27	147.97	-449.14	-133.79	0.71	0.39	22.72	
11,231.00	2.00	91.42	11,195.22	147.79	-446.12	-133.70	0.36	0.33	-4.80	
11,326.00	2.45	86.19	11,290.15	147.88	-442.44	-133.91	0.52	0.47	-5.51	
11,407.00	2.35	81.98	11,371.08	148.23	-439.06	-134.36	0.25	-0.12	-5.20	
11,556.00	5.13	123.74	11,519.77	144.95	-430.50	-131.36	2.50	1.87	28.03	
11,652.00	13.66	143.79	11,614.42	133.40	-420.21	-120.13	9.39	8.89	20.89	
11,699.00	18.13	146.06	11,659.61	122.85	-412.84	-109.82	9.60	9.51	4.83	
11,747.00	24.60	153.21	11,704.29	107.72	-404.16	-94.97	14.51	13.48	14.90	
11,794.00	30.74	157.60	11,745.90	87.86	-395.16	-75.40	13.76	13.06	9.34	
11,843.00	37.35	165.11	11,786.50	61.87	-386.56	-49.70	15.97	13.49	15.33	
11,890.00	41.85	174.79	11,822.74	32.44	-381.47	-20.44	16.23	9.57	20.60	
11,938.00	45.47	175.28	11,857.46	-0.57	-378.60	12.46	7.57	7.54	1.02	
11,968.00	47.44	176.76	11,878.13	-22.26	-377.10	34.10	7.48	6.57	4.93	
12,015.00	50.76	176.22	11,908.89	-57.71	-374.92	69.46	7.12	7.06	-1.15	
12,063.00	54.67	181.09	11,937.98	-95.87	-374.07	107.57	11.46	8.15	10.15	
12,110.00	59.46	183.38	11,963.53	-135.27	-375.62	147.00	10.98	10.19	4.87	
12,159.00	62.23	182.99	11,987.40	-177.99	-378.00	189.78	5.70	5.65	-0.80	
12,206.00	64.54	180.18	12,008.45	-219.99	-379.15	231.79	7.26	4.91	-5.98	
12,254.00	68.88	182.25	12,027.43	-264.05	-380.10	275.86	9.87	9.04	4.31	
12,302.00	68.78	181.24	12,044.76	-308.79	-381.46	320.62	1.97	-0.21	-2.10	
12,349.00	68.76	181.09	12,061.78	-352.59	-382.35	364.43	0.30	-0.04	-0.32	
12,396.00	73.88	179.66	12,076.83	-397.10	-382.64	408.92	11.27	10.89	-3.04	
12,445.00	79.92	178.71	12,087.93	-444.79	-381.95	456.57	12.47	12.33	-1.94	
12,493.00	84.43	178.23	12,094.47	-492.32	-380.68	504.03	9.45	9.40	-1.00	

Company:	Devon Energy	Local Co-ordinate Reference:	Well 732H
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:	732H	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)
12,540.00	88.29	178.55	12,097.45	-539.20	-379.36	550.85	8.24	8.21	0.68
12,588.00	88.63	178.14	12,098.74	-587.16	-377.98	598.74	1.11	0.71	-0.85
12,636.00	88.45	177.44	12,099.96	-635.11	-376.13	646.61	1.51	-0.38	-1.46
12,731.00	91.04	179.85	12,100.39	-730.06	-373.88	741.45	3.72	2.73	2.54
12,826.00	91.24	179.55	12,098.50	-825.04	-373.39	836.37	0.38	0.21	-0.32
12,922.00	91.34	179.22	12,096.33	-921.01	-372.35	932.26	0.36	0.10	-0.34
13,017.00	91.10	178.61	12,094.31	-1,015.97	-370.56	1,027.11	0.69	-0.25	-0.64
13,113.00	91.11	178.05	12,092.46	-1,111.92	-367.76	1,122.92	0.58	0.01	-0.58
13,208.00	91.28	177.94	12,090.48	-1,206.84	-364.44	1,217.69	0.21	0.18	-0.12
13,304.00	90.03	181.09	12,089.38	-1,302.81	-363.62	1,313.59	3.53	-1.30	3.28
13,399.00	90.20	179.25	12,089.19	-1,397.81	-363.91	1,408.55	1.95	0.18	-1.94
13,495.00	89.19	180.92	12,089.70	-1,493.80	-364.05	1,504.50	2.03	-1.05	1.74
13,590.00	89.03	179.39	12,091.18	-1,588.79	-364.31	1,599.45	1.62	-0.17	-1.61
13,685.00	89.03	179.85	12,092.79	-1,683.77	-363.68	1,694.36	0.48	0.00	0.48
13,780.00	88.63	179.68	12,094.73	-1,778.75	-363.29	1,789.28	0.46	-0.42	-0.18
13,875.00	90.94	182.87	12,095.08	-1,873.71	-365.40	1,884.26	4.15	2.43	3.36
13,971.00	91.47	181.89	12,093.06	-1,969.60	-369.39	1,980.23	1.16	0.55	-1.02
14,066.00	91.91	181.41	12,090.26	-2,064.52	-372.12	2,075.19	0.69	0.46	-0.51
14,161.00	89.60	180.56	12,089.01	-2,159.49	-373.75	2,170.17	2.59	-2.43	-0.89
14,256.00	89.40	180.77	12,089.84	-2,254.48	-374.85	2,265.14	0.31	-0.21	0.22
14,352.00	88.89	180.44	12,091.27	-2,350.47	-375.87	2,361.11	0.63	-0.53	-0.34
14,447.00	88.36	179.72	12,093.55	-2,445.44	-376.00	2,456.04	0.94	-0.56	-0.76
14,542.00	87.95	178.75	12,096.61	-2,540.38	-374.73	2,550.89	1.11	-0.43	-1.02
14,638.00	86.81	177.97	12,101.00	-2,636.24	-371.99	2,646.62	1.44	-1.19	-0.81
14,733.00	88.99	179.21	12,104.48	-2,731.14	-369.65	2,741.40	2.64	2.29	1.31
14,828.00	91.24	178.67	12,104.29	-2,826.11	-367.90	2,836.27	2.44	2.37	-0.57
14,924.00	90.87	179.25	12,102.69	-2,922.08	-366.15	2,932.14	0.85	-0.59	0.60
15,019.00	90.27	178.83	12,101.91	-3,017.07	-364.56	3,027.03	0.61	-0.42	-0.44
15,115.00	91.84	179.03	12,100.14	-3,113.03	-362.77	3,122.89	1.65	1.64	0.21
15,210.00	91.84	179.62	12,097.09	-3,207.97	-361.65	3,217.75	0.62	0.00	0.62
15,305.00	92.01	179.61	12,093.90	-3,302.92	-361.01	3,312.63	0.18	0.18	-0.01
15,400.00	91.04	180.03	12,091.37	-3,397.88	-360.72	3,407.54	1.11	-1.02	0.44
15,495.00	90.30	179.81	12,090.26	-3,492.88	-360.58	3,502.48	0.81	-0.78	-0.23
15,591.00	89.90	179.10	12,090.09	-3,588.87	-359.67	3,598.40	0.85	-0.42	-0.74
15,686.00	90.40	178.99	12,089.84	-3,683.86	-358.09	3,693.29	0.54	0.53	-0.12
15,781.00	89.70	177.97	12,089.76	-3,778.82	-355.57	3,788.12	1.30	-0.74	-1.07
15,877.00	90.00	177.41	12,090.01	-3,874.74	-351.70	3,883.88	0.66	0.31	-0.58
15,972.00	90.80	180.86	12,089.35	-3,969.71	-350.26	3,978.76	3.73	0.84	3.63
16,067.00	90.97	180.06	12,087.88	-4,064.70	-351.03	4,073.72	0.86	0.18	-0.84
16,162.00	90.94	179.83	12,086.30	-4,159.69	-350.93	4,168.66	0.24	-0.03	-0.24
16,258.00	90.70	179.34	12,084.92	-4,255.67	-350.24	4,264.57	0.57	-0.25	-0.51
16,353.00	89.67	178.43	12,084.62	-4,350.65	-348.39	4,359.45	1.45	-1.08	-0.96
16,448.00	88.09	180.74	12,086.47	-4,445.62	-347.70	4,454.35	2.95	-1.66	2.43
16,544.00	87.85	180.10	12,089.88	-4,541.56	-348.41	4,550.26	0.71	-0.25	-0.67

Company:	Devon Energy	Local Co-ordinate Reference:	Well 732H
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:	732H	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)
16,639.00	87.69	179.57	12,093.57	-4,636.49	-348.13	4,645.13	0.58	-0.17	-0.56
16,735.00	89.53	181.66	12,095.90	-4,732.44	-349.16	4,741.07	2.90	1.92	2.18
16,830.00	89.03	181.51	12,097.09	-4,827.40	-351.79	4,836.07	0.55	-0.53	-0.16
16,925.00	89.40	181.37	12,098.40	-4,922.36	-354.18	4,931.06	0.42	0.39	-0.15
17,020.00	91.78	180.60	12,097.42	-5,017.33	-355.81	5,026.03	2.63	2.51	-0.81
17,116.00	92.45	179.77	12,093.88	-5,113.27	-356.12	5,121.93	1.11	0.70	-0.86
17,211.00	93.15	179.19	12,089.23	-5,208.15	-355.26	5,216.74	0.96	0.74	-0.61
17,307.00	93.62	178.84	12,083.57	-5,303.96	-353.61	5,312.45	0.61	0.49	-0.36
17,402.00	92.18	178.32	12,078.76	-5,398.81	-351.26	5,407.18	1.61	-1.52	-0.55
17,498.00	92.21	178.23	12,075.08	-5,494.70	-348.37	5,502.93	0.10	0.03	-0.09
17,593.00	89.33	179.75	12,073.81	-5,589.66	-346.70	5,597.79	3.43	-3.03	1.60
17,688.00	88.42	178.25	12,075.67	-5,684.62	-345.04	5,692.66	1.85	-0.96	-1.58
17,783.00	90.47	180.30	12,076.59	-5,779.60	-343.84	5,787.55	3.05	2.16	2.16
17,878.00	89.83	180.11	12,076.34	-5,874.60	-344.18	5,882.51	0.70	-0.67	-0.20
17,973.00	89.90	179.91	12,076.57	-5,969.60	-344.20	5,977.47	0.22	0.07	-0.21
18,069.00	89.43	180.32	12,077.13	-6,065.60	-344.39	6,073.42	0.65	-0.49	0.43
18,163.00	89.36	179.25	12,078.12	-6,159.59	-344.04	6,167.36	1.14	-0.07	-1.14
18,258.00	89.40	180.12	12,079.15	-6,254.58	-343.51	6,262.29	0.92	0.04	0.92
18,354.00	90.40	180.56	12,079.32	-6,350.58	-344.08	6,358.25	1.14	1.04	0.46
18,448.00	90.40	179.85	12,078.66	-6,444.58	-344.42	6,452.22	0.76	0.00	-0.76
18,543.00	90.34	179.69	12,078.05	-6,539.57	-344.04	6,547.15	0.18	-0.06	-0.17
18,639.00	90.27	179.18	12,077.54	-6,635.57	-343.09	6,643.07	0.54	-0.07	-0.53
18,733.00	89.93	179.20	12,077.37	-6,729.56	-341.76	6,736.97	0.36	-0.36	0.02
18,828.00	89.56	178.22	12,077.79	-6,824.53	-339.63	6,831.83	1.10	-0.39	-1.03
18,922.00	90.90	178.14	12,077.42	-6,918.48	-336.64	6,925.64	1.43	1.43	-0.09
19,017.00	90.60	177.15	12,076.17	-7,013.39	-332.74	7,020.38	1.09	-0.32	-1.04
19,112.00	90.47	179.17	12,075.29	-7,108.33	-329.69	7,115.18	2.13	-0.14	2.13
19,207.00	90.50	178.72	12,074.48	-7,203.31	-327.94	7,210.06	0.47	0.03	-0.47
19,300.00	90.07	179.40	12,074.02	-7,296.30	-326.41	7,302.95	0.87	-0.46	0.73
19,394.00	90.87	179.24	12,073.25	-7,390.29	-325.30	7,396.86	0.87	0.85	-0.17
19,489.00	90.67	179.76	12,071.97	-7,485.28	-324.47	7,491.77	0.59	-0.21	0.55
19,584.00	90.23	180.22	12,071.23	-7,580.27	-324.45	7,586.72	0.67	-0.46	0.48
19,679.00	89.80	180.54	12,071.20	-7,675.27	-325.08	7,681.69	0.56	-0.45	0.34
19,774.00	90.10	180.99	12,071.28	-7,770.26	-326.35	7,776.68	0.57	0.32	0.47
19,868.00	90.80	180.74	12,070.55	-7,864.25	-327.77	7,870.66	0.79	0.74	-0.27
19,922.00	90.80	180.74	12,069.79	-7,918.24	-328.47	7,924.65	0.00	0.00	0.00
19,934.00	91.54	180.66	12,069.55	-7,930.23	-328.61	7,936.64	6.20	6.17	-0.67
20,029.00	91.71	180.60	12,066.85	-8,025.19	-329.66	8,031.58	0.19	0.18	-0.06
20,124.00	90.77	180.02	12,064.80	-8,120.16	-330.17	8,126.53	1.16	-0.99	-0.61
20,219.00	90.77	179.76	12,063.52	-8,215.16	-329.99	8,221.47	0.27	0.00	-0.27
20,314.00	90.60	179.97	12,062.38	-8,310.15	-329.76	8,316.41	0.28	-0.18	0.22
20,409.00	90.07	179.42	12,061.83	-8,405.15	-329.26	8,411.34	0.80	-0.56	-0.58
20,504.00	89.87	179.01	12,061.88	-8,500.14	-327.96	8,506.24	0.48	-0.21	-0.43

Company:	Devon Energy	Local Co-ordinate Reference:	Well 732H
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:	732H	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)
20,599.00	89.03	178.04	12,062.79	-8,595.10	-325.51	8,601.08	1.35	-0.88	-1.02
20,695.00	88.20	177.97	12,065.11	-8,691.01	-322.17	8,696.84	0.87	-0.86	-0.07
20,790.00	87.05	177.66	12,069.05	-8,785.86	-318.55	8,791.53	1.25	-1.21	-0.33
20,884.00	87.93	178.19	12,073.16	-8,879.71	-315.15	8,885.22	1.09	0.94	0.56
20,979.00	87.19	178.00	12,077.21	-8,974.57	-312.00	8,979.94	0.80	-0.78	-0.20
21,073.00	89.09	177.77	12,080.26	-9,068.45	-308.53	9,073.66	2.04	2.02	-0.24
FINAL MWD Survey (21073.00' MD)									
21,126.00	89.09	177.77	12,081.10	-9,121.40	-306.47	9,126.53	0.00	0.00	0.00
FINAL Proj. to Bit (21126.00' MD) - BHL[TR1-121732H]									

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
21,073.00	12,080.26	-9,068.45	-308.53	FINAL MWD Survey (21073.00' MD)	
21,126.00	12,081.10	-9,121.40	-306.47	FINAL Proj. to Bit (21126.00' MD)	

Checked By: _____	Approved By: _____	Date: _____
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