

Devon

SURVEY REPORT

Snapping 12-1 Fed 533H

Cactus 167

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

Alfredo Zavala

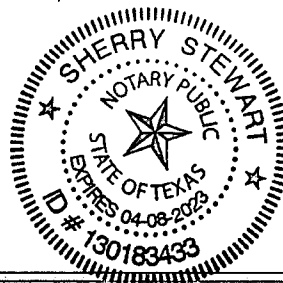
Notarized this data 6 of June, 2019.

Sherry Stewart

Notary Signature

County of Midland

State of Texas



The **Ultimate Partner** In Wellbore Placement

Devon Energy

Eddy County, NM (NAD83 NME)

Snapping 12-1 Fed

533H

OH

Survey: SDI Survey #1

Regulatory Report (Grid North)

03 December, 2018

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 533H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Site:	Snapping 12-1 Fed	MD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Well:	533H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

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	Snapping 12-1 Fed		
Site Position:		Northing:	385,529.86 usft
From:	Map	Easting:	726,878.08 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 3' 30.551 N
		Longitude:	103° 44' 3.900 W
		Grid Convergence:	0.32 °

Well	533H					
Well Position	+N-S	0.00 usft	Northing:	385,530.04 usft	Latitude:	32° 3' 30.551 N
	+E-W	0.00 usft	Easting:	726,908.07 usft	Longitude:	103° 44' 3.551 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	3,238.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	12/31/2009	7.81	60.06	48,676

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(bearing)
			359.43

Survey Program	Date 12/3/2018		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
333.00	16,882.00	SDI Survey #1 (OH)	MWD+HDGM
			Description
			OWSG MWD + HDGM

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey										
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
333.00	0.86	202.68	332.99	-2.30	-2.31	-0.96	0.26	202.68	2.50	
424.00	0.41	190.36	423.98	-3.24	-3.26	-1.29	0.51	201.54	3.50	
515.00	0.75	40.56	514.98	-3.11	-3.12	-0.96	1.23	197.03	3.27	
607.00	1.03	50.92	606.97	-2.15	-2.15	0.08	0.35	177.95	2.15	
700.00	1.41	58.77	699.95	-1.04	-1.03	1.70	0.45	121.03	1.99	
791.00	1.58	62.34	790.92	0.10	0.14	3.77	0.21	87.91	3.78	
882.00	1.46	81.84	881.88	0.82	0.88	6.03	0.58	81.65	6.10	
973.00	1.68	80.94	972.85	1.17	1.26	8.50	0.24	81.57	8.59	
1,013.00	1.73	84.05	1,012.83	1.32	1.41	9.68	0.26	81.68	9.78	
1,153.00	1.52	96.46	1,152.78	1.29	1.42	13.62	0.29	84.03	13.70	
1,245.00	1.38	101.30	1,244.75	0.91	1.07	15.92	0.20	86.16	15.96	
1,336.00	1.05	102.96	1,335.73	0.49	0.67	17.81	0.36	87.85	17.82	
1,428.00	0.83	11.70	1,427.72	0.95	1.13	18.77	1.47	86.55	18.80	
1,519.00	0.83	345.97	1,518.71	2.23	2.42	18.74	0.41	82.65	18.89	
1,610.00	1.55	287.60	1,609.69	3.25	3.43	17.41	1.45	78.86	17.74	
1,702.00	1.41	277.98	1,701.66	3.81	3.96	15.10	0.31	75.30	15.61	
1,797.00	1.25	282.44	1,796.64	4.22	4.35	12.93	0.20	71.42	13.64	
1,893.00	1.56	283.41	1,892.61	4.77	4.88	10.64	0.32	65.37	11.70	
1,988.00	1.49	279.68	1,987.57	5.30	5.38	8.16	0.13	56.59	9.78	
2,082.00	1.38	274.26	2,081.54	5.61	5.67	5.83	0.19	45.77	8.13	
2,177.00	1.78	263.48	2,176.51	5.56	5.59	3.22	0.52	29.94	6.45	
2,272.00	1.50	262.01	2,271.47	5.24	5.25	0.52	0.30	5.69	5.28	
2,367.00	0.76	258.25	2,366.45	4.96	4.95	-1.33	0.78	345.01	5.12	
2,463.00	0.85	239.85	2,462.44	4.49	4.46	-2.56	0.28	330.11	5.15	
2,558.00	0.55	280.95	2,557.43	4.23	4.19	-3.62	0.60	319.19	5.54	
2,653.00	0.62	309.94	2,652.43	4.65	4.61	-4.46	0.32	315.93	6.42	

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Site:	Snapping 12-1 Fed	MD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Well:	533H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
2,749.00	0.53	324.39	2,748.42	5.36	5.31	-5.12	0.18	316.02	7.37
2,844.00	1.00	302.82	2,843.42	6.17	6.11	-6.07	0.57	315.19	8.62
2,939.00	0.34	301.58	2,938.41	6.78	6.71	-7.01	0.69	313.75	9.70
3,035.00	0.78	306.75	3,034.40	7.33	7.25	-7.78	0.46	312.99	10.63
3,130.00	0.20	329.84	3,129.40	7.86	7.78	-8.38	0.63	312.88	11.43
3,225.00	0.78	179.09	3,224.40	7.36	7.28	-8.45	1.01	310.73	11.15
3,321.00	0.37	244.98	3,320.39	6.58	6.49	-8.72	0.74	306.66	10.87
3,416.00	0.03	137.29	3,415.39	6.43	6.34	-8.98	0.40	305.23	11.00
3,511.00	0.29	199.96	3,510.39	6.19	6.10	-9.05	0.29	303.99	10.91
3,607.00	0.46	66.25	3,606.39	6.11	6.03	-8.78	0.72	304.47	10.65
3,702.00	0.64	120.12	3,701.39	5.99	5.91	-7.97	0.55	306.58	9.92
3,798.00	0.29	118.04	3,797.38	5.60	5.53	-7.29	0.36	307.18	9.15
3,893.00	0.74	115.90	3,892.38	5.21	5.15	-6.53	0.47	308.27	8.31
3,988.00	1.18	113.39	3,987.37	4.54	4.49	-5.08	0.47	311.51	6.78
4,084.00	1.87	125.33	4,083.33	3.22	3.19	-2.89	0.79	317.85	4.31
4,139.00	1.70	130.36	4,138.31	2.16	2.15	-1.54	0.42	324.39	2.64
4,277.00	1.27	175.91	4,276.26	-0.71	-0.70	0.13	0.88	169.44	0.72
4,372.00	2.51	186.41	4,371.21	-3.82	-3.82	-0.03	1.35	180.39	3.82
4,468.00	3.41	189.26	4,467.08	-8.72	-8.73	-0.72	0.95	184.72	8.76
4,563.00	4.98	187.06	4,561.82	-15.59	-15.61	-1.68	1.66	186.15	15.70
4,658.00	5.56	182.79	4,656.42	-24.27	-24.30	-2.41	0.74	185.67	24.42
4,753.00	5.06	185.19	4,751.01	-33.04	-33.07	-3.02	0.58	185.21	33.20
4,849.00	5.19	186.94	4,846.63	-41.55	-41.59	-3.92	0.21	185.39	41.78
4,944.00	5.01	191.32	4,941.25	-49.87	-49.93	-5.26	0.45	186.01	50.20
5,039.00	5.13	189.83	5,035.88	-58.11	-58.18	-6.80	0.19	186.66	58.57
5,135.00	4.66	174.93	5,131.54	-66.22	-66.29	-7.18	1.41	186.18	66.68
5,230.00	4.24	168.99	5,226.25	-73.52	-73.58	-6.17	0.66	184.79	73.84

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
5,325.00	4.07	174.87	5,321.00	-80.33	-80.39	-5.20	0.48	183.70	80.56
5,420.00	3.92	169.01	5,415.77	-86.89	-86.93	-4.28	0.46	182.82	87.04
5,515.00	3.99	171.66	5,510.54	-93.36	-93.39	-3.18	0.21	181.95	93.45
5,611.00	4.21	172.84	5,606.30	-100.17	-100.19	-2.26	0.25	181.29	100.22
5,706.00	4.78	172.84	5,701.01	-107.56	-107.58	-1.33	0.60	180.71	107.59
5,802.00	4.87	172.08	5,796.67	-115.58	-115.59	-0.27	0.11	180.13	115.59
5,897.00	4.65	177.14	5,891.34	-123.42	-123.43	0.48	0.50	179.78	123.43
5,992.00	4.45	180.57	5,986.04	-130.96	-130.96	0.63	0.36	179.72	130.96
6,088.00	4.12	188.98	6,081.77	-138.08	-138.09	0.06	0.74	179.98	138.09
6,183.00	4.25	182.62	6,176.52	-144.96	-144.97	-0.64	0.51	180.25	144.98
6,277.00	5.57	174.39	6,270.17	-152.98	-152.99	-0.35	1.59	180.13	152.99
6,372.00	5.48	176.97	6,364.73	-162.11	-162.11	0.34	0.28	179.88	162.11
6,465.00	5.18	180.45	6,457.33	-170.74	-170.75	0.54	0.47	179.82	170.75
6,563.00	4.95	177.38	6,554.95	-179.39	-179.39	0.70	0.36	179.78	179.39
6,658.00	3.98	179.41	6,649.66	-186.78	-186.78	0.92	1.03	179.72	186.79
6,753.00	4.87	178.81	6,744.37	-194.11	-194.11	1.04	0.94	179.69	194.12
6,849.00	5.60	183.37	6,839.97	-202.86	-202.86	0.85	0.87	179.76	202.86
6,944.00	5.11	187.91	6,934.56	-211.67	-211.68	0.00	0.68	180.00	211.68
7,040.00	4.73	189.23	7,030.20	-219.80	-219.82	-1.23	0.41	180.32	219.83
7,135.00	5.41	185.44	7,124.83	-228.11	-228.15	-2.28	0.80	180.57	228.16
7,230.00	5.68	183.04	7,219.39	-237.26	-237.30	-2.95	0.37	180.71	237.32
7,325.00	5.49	184.90	7,313.94	-246.47	-246.52	-3.59	0.28	180.83	246.55
7,421.00	4.96	187.29	7,409.54	-255.16	-255.21	-4.51	0.60	181.01	255.25
7,516.00	5.48	178.13	7,504.15	-263.76	-263.82	-4.88	1.03	181.06	263.87
7,612.00	5.46	175.01	7,599.71	-272.90	-272.95	-4.34	0.31	180.91	272.99
7,708.00	5.12	172.67	7,695.30	-281.70	-281.75	-3.39	0.42	180.69	281.77
7,802.00	4.29	174.95	7,788.98	-289.37	-289.41	-2.55	0.90	180.50	289.42

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7,897.00	3.66	174.50	7,883.75	-295.94	-295.97	-1.94	0.66	180.38	295.98
7,993.00	3.46	166.25	7,979.57	-301.81	-301.84	-0.96	0.57	180.18	301.84
8,088.00	3.29	177.07	8,074.40	-307.33	-307.34	-0.14	0.69	180.03	307.34
8,183.00	3.14	186.40	8,169.26	-312.63	-312.65	-0.29	0.57	180.05	312.65
8,279.00	2.23	196.08	8,265.15	-317.03	-317.06	-1.10	1.06	180.20	317.06
8,373.00	2.51	197.11	8,359.07	-320.74	-320.78	-2.22	0.30	180.40	320.79
8,468.00	1.86	217.15	8,454.00	-323.95	-324.00	-3.76	1.05	180.66	324.02
8,503.00	2.06	221.01	8,488.98	-324.87	-324.93	-4.51	0.68	180.80	324.96
8,563.00	1.99	230.10	8,548.94	-326.33	-326.41	-6.02	0.55	181.06	326.46
8,659.00	8.62	19.84	8,644.63	-320.63	-320.70	-4.85	10.82	180.87	320.73
8,754.00	19.68	7.20	8,736.63	-298.03	-298.05	-0.42	12.02	180.08	298.05
8,791.00	23.08	9.01	8,771.08	-284.71	-284.71	1.50	9.36	179.70	284.71
8,850.00	25.98	8.64	8,824.75	-260.54	-260.50	5.25	4.92	178.85	260.56
8,897.00	28.65	10.41	8,866.50	-239.31	-239.24	8.83	5.94	177.89	239.40
8,945.00	33.18	10.52	8,907.67	-215.12	-214.99	13.31	9.44	176.46	215.41
8,993.00	38.82	10.25	8,946.49	-187.43	-187.25	18.39	11.75	174.39	188.16
9,041.00	43.97	8.10	8,982.49	-156.16	-155.93	23.42	11.13	171.46	157.68
9,088.00	49.90	3.60	9,014.57	-122.06	-121.80	26.85	14.42	167.57	124.72
9,136.00	56.47	0.25	9,043.33	-83.70	-83.42	28.10	14.78	161.39	88.02
9,170.09	62.14	0.89	9,060.72	-54.40	-54.12	28.39	16.71	152.32	61.11
FTP [Snap12-1#533]									
9,183.00	64.29	1.11	9,066.54	-42.88	-42.60	28.59	16.71	146.13	51.30
9,231.00	71.78	2.81	9,084.48	1.56	1.86	30.13	15.95	86.47	30.19
9,278.00	76.15	2.50	9,097.46	46.65	46.97	32.22	9.32	34.45	56.96
9,327.00	79.88	2.66	9,107.63	94.50	94.85	34.38	7.62	19.92	100.88
9,374.00	81.07	2.42	9,115.41	140.78	141.15	36.43	2.58	14.47	145.78
9,419.00	81.92	1.04	9,122.07	185.25	185.63	37.78	3.57	11.50	189.44

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9,459.00	83.31	357.14	9,127.21	224.91	225.29	37.14	10.27	9.36	228.33
9,550.00	84.29	354.61	9,137.04	315.19	315.51	30.64	2.97	5.55	317.00
9,641.00	84.66	354.60	9,145.80	405.45	405.69	22.12	0.41	3.12	406.29
9,733.00	84.49	353.96	9,154.50	496.67	496.82	12.99	0.72	1.50	496.99
9,828.00	87.42	354.15	9,161.20	591.00	591.06	3.18	3.09	0.31	591.07
9,923.00	89.09	354.44	9,164.09	685.57	685.55	-6.26	1.78	359.48	685.57
10,018.00	88.46	355.81	9,166.12	780.28	780.18	-14.33	1.59	358.95	780.31
10,113.00	87.49	357.11	9,169.48	875.09	874.93	-20.20	1.71	358.68	875.17
10,209.00	87.68	358.82	9,173.53	970.97	970.78	-23.60	1.79	358.61	971.07
10,304.00	87.68	0.72	9,177.37	1,065.89	1,065.70	-23.98	2.00	358.71	1,065.97
10,400.00	87.65	0.54	9,181.28	1,161.79	1,161.62	-22.93	0.19	358.87	1,161.84
10,495.00	89.50	1.32	9,183.65	1,256.72	1,256.57	-21.39	2.11	359.02	1,256.75
10,590.00	90.44	1.47	9,183.70	1,351.66	1,351.54	-19.07	1.00	359.19	1,351.67
10,685.00	91.21	1.67	9,182.33	1,446.59	1,446.49	-16.47	0.84	359.35	1,446.59
10,781.00	90.50	1.35	9,180.90	1,542.51	1,542.45	-13.94	0.81	359.48	1,542.51
10,876.00	90.87	1.82	9,179.76	1,637.44	1,637.41	-11.31	0.63	359.60	1,637.44
10,971.00	90.97	2.09	9,178.23	1,732.33	1,732.34	-8.07	0.30	359.73	1,732.36
11,065.00	90.84	359.85	9,176.75	1,826.28	1,826.31	-6.48	2.39	359.80	1,826.32
11,161.00	91.81	359.50	9,174.53	1,922.25	1,922.28	-7.03	1.07	359.79	1,922.29
11,256.00	91.54	358.76	9,171.75	2,017.21	2,017.23	-8.47	0.83	359.76	2,017.24
11,351.00	92.99	359.66	9,168.00	2,112.13	2,112.14	-9.78	1.80	359.73	2,112.16
11,447.00	92.25	359.49	9,163.61	2,208.03	2,208.04	-10.49	0.79	359.73	2,208.06
11,542.00	90.84	359.32	9,161.05	2,302.99	2,302.99	-11.48	1.49	359.71	2,303.02
11,638.00	89.43	359.00	9,160.82	2,398.99	2,398.98	-12.88	1.51	359.69	2,399.01
11,733.00	89.30	358.78	9,161.88	2,493.98	2,493.96	-14.72	0.27	359.66	2,494.00
11,828.00	88.29	358.31	9,163.87	2,588.95	2,588.90	-17.13	1.17	359.62	2,588.96
11,923.00	89.06	358.69	9,166.07	2,683.91	2,683.84	-19.62	0.90	359.58	2,683.92

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 533H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Site:	Snapping 12-1 Fed	MD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Well:	533H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
12,019.00	87.58	359.19	9,168.88	2,779.86	2,779.78	-21.40	1.63	359.56	2,779.87
12,113.00	87.62	359.98	9,172.82	2,873.78	2,873.70	-22.08	0.84	359.56	2,873.78
12,209.00	87.32	359.60	9,177.06	2,969.68	2,969.60	-22.43	0.50	359.57	2,969.69
12,305.00	88.32	359.00	9,180.71	3,065.61	3,065.53	-23.60	1.21	359.56	3,065.62
12,400.00	89.03	358.75	9,182.91	3,160.58	3,160.48	-25.46	0.79	359.54	3,160.58
12,496.00	89.16	358.23	9,184.42	3,256.55	3,256.44	-27.99	0.56	359.51	3,256.56
12,591.00	90.17	358.26	9,184.98	3,351.53	3,351.39	-30.90	1.06	359.47	3,351.53
12,685.00	90.13	358.11	9,184.73	3,445.51	3,445.34	-33.88	0.17	359.44	3,445.51
12,781.00	92.05	358.60	9,182.91	3,541.47	3,541.28	-36.64	2.06	359.41	3,541.47
12,876.00	91.94	0.01	9,179.60	3,636.41	3,636.21	-37.79	1.49	359.40	3,636.41
12,972.00	91.61	0.94	9,176.63	3,732.34	3,732.16	-36.99	1.03	359.43	3,732.34
13,067.00	92.01	1.59	9,173.62	3,827.25	3,827.09	-34.90	0.80	359.48	3,827.25
13,162.00	89.93	1.76	9,172.02	3,922.16	3,922.03	-32.12	2.20	359.53	3,922.16
13,257.00	88.62	1.14	9,173.22	4,017.09	4,016.99	-29.72	1.53	359.58	4,017.10
13,352.00	89.93	0.89	9,174.42	4,112.04	4,111.97	-28.03	1.40	359.61	4,112.06
13,447.00	89.73	0.25	9,174.70	4,207.02	4,206.96	-27.09	0.71	359.63	4,207.05
13,541.00	90.17	359.79	9,174.78	4,301.02	4,300.96	-27.05	0.68	359.64	4,301.04
13,636.00	90.00	359.75	9,174.64	4,396.01	4,395.96	-27.44	0.18	359.64	4,396.04
13,732.00	90.60	359.64	9,174.14	4,492.01	4,491.96	-27.95	0.64	359.64	4,492.04
13,826.00	92.18	359.74	9,171.86	4,585.98	4,585.92	-28.46	1.68	359.64	4,586.01
13,922.00	90.64	0.10	9,169.50	4,681.94	4,681.89	-28.59	1.65	359.65	4,681.98
13,999.43	90.07	359.25	9,169.02	4,759.37	4,759.31	-29.03	1.32	359.65	4,759.40
T1[Snapp12-1#533]									
14,018.00	89.93	359.05	9,169.02	4,777.94	4,777.89	-29.30	1.32	359.65	4,777.97
14,113.00	87.62	358.45	9,171.05	4,872.90	4,872.83	-31.37	2.51	359.63	4,872.93
14,209.00	88.72	358.43	9,174.12	4,968.84	4,968.75	-33.99	1.15	359.61	4,968.86
14,304.00	87.01	358.61	9,177.66	5,063.76	5,063.65	-36.44	1.81	359.59	5,063.78

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 533H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Site:	Snapping 12-1 Fed	MD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Well:	533H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
14,399.00	88.02	358.74	9,181.78	5,158.66	5,158.53	-38.63	1.07	359.57	5,158.68
14,494.00	88.99	359.17	9,184.25	5,253.62	5,253.48	-40.36	1.12	359.56	5,253.64
14,590.00	86.68	359.07	9,187.88	5,349.55	5,349.39	-41.84	2.41	359.55	5,349.56
14,685.00	87.62	359.04	9,192.60	5,444.43	5,444.26	-43.40	0.99	359.54	5,444.44
14,780.00	87.32	358.60	9,196.80	5,539.33	5,539.15	-45.36	0.56	359.53	5,539.34
14,876.00	89.10	357.13	9,199.80	5,635.24	5,635.03	-48.93	2.40	359.50	5,635.24
14,971.00	90.84	357.23	9,199.85	5,730.16	5,729.91	-53.60	1.83	359.46	5,730.16
15,000.32	90.92	357.78	9,199.39	5,759.46	5,759.20	-54.88	1.89	359.45	5,759.46
T2[Snap12-11#533]									
15,067.00	91.11	359.02	9,198.21	5,826.12	5,825.84	-56.75	1.89	359.44	5,826.12
15,162.00	90.84	359.16	9,196.60	5,921.10	5,920.82	-58.25	0.32	359.44	5,921.10
15,257.00	89.90	359.25	9,195.98	6,016.10	6,015.80	-59.57	0.99	359.43	6,016.10
15,352.00	90.40	359.42	9,195.73	6,111.10	6,110.80	-60.67	0.56	359.43	6,111.10
15,448.00	88.59	359.58	9,196.58	6,207.09	6,206.79	-61.51	1.89	359.43	6,207.09
15,543.00	89.87	359.55	9,197.86	6,302.08	6,301.77	-62.23	1.35	359.43	6,302.08
15,638.00	88.99	358.05	9,198.80	6,397.07	6,396.74	-64.22	1.83	359.42	6,397.07
15,732.00	90.37	357.80	9,199.33	6,491.03	6,490.68	-67.63	1.49	359.40	6,491.03
15,828.00	90.20	357.94	9,198.85	6,586.99	6,586.61	-71.19	0.23	359.38	6,587.00
15,923.00	90.54	358.40	9,198.24	6,681.97	6,681.56	-74.23	0.60	359.36	6,681.97
16,018.00	90.87	358.36	9,197.07	6,776.94	6,776.51	-76.91	0.35	359.35	6,776.95
16,114.00	88.83	0.13	9,197.32	6,872.93	6,872.50	-78.18	2.81	359.35	6,872.94
16,209.00	89.46	0.13	9,198.74	6,967.92	6,967.49	-77.96	0.66	359.36	6,967.92
16,304.00	86.94	0.06	9,201.72	7,062.86	7,062.43	-77.81	2.65	359.37	7,062.86
16,400.00	91.61	359.85	9,202.93	7,158.82	7,158.40	-77.88	4.87	359.38	7,158.82
16,495.00	93.67	0.29	9,198.56	7,253.70	7,253.29	-77.76	2.22	359.39	7,253.71
16,591.00	92.72	0.23	9,193.21	7,349.54	7,349.14	-77.33	0.99	359.40	7,349.55
16,686.00	93.87	359.98	9,187.75	7,444.38	7,443.98	-77.16	1.24	359.41	7,444.38

Scientific Drilling, Intl
Regulatory Report (Grid North)

Company:	Devon Energy	Local Co-ordinate Reference:	Well 533H
Project:	Eddy County, NM (NAD83 NME)	TVD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Site:	Snapping 12-1 Fed	MD Reference:	KB=24' @ 3262.00usft (Cactus 167)
Well:	533H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Survey									
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Closure Azimuth (bearing)	Closure Distance (usft)
16,781.00	92.59	0.44	9,182.39	7,539.22	7,538.83	-76.81	1.43	359.42	7,539.22
16,793.04	92.32	0.46	9,181.88	7,551.24	7,550.85	-76.71	2.28	359.42	7,551.24
BHL Plat[Snap12-1#533]									
16,814.00	91.84	0.49	9,181.12	7,572.19	7,571.80	-76.54	2.28	359.42	7,572.19
FINAL MWD Survey (16814.00' MD)									
16,873.06	91.84	0.49	9,179.22	7,631.21	7,630.83	-76.04	0.00	359.43	7,631.21
BHL Final[Snap12-1#533]									
16,882.00	91.84	0.49	9,178.94	7,640.14	7,639.76	-75.96	0.00	359.43	7,640.14
FINAL Proj. to Bit (16882.00' MD)									

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,814.00	9,181.12	7,571.80	-76.54	FINAL MWD Survey (16814.00' MD)
16,882.00	9,178.94	7,639.76	-75.96	FINAL Proj. to Bit (16882.00' MD)

Checked By: _____	Approved By: _____	Date: _____
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