

STATE OF NEW MEXICO
COUNTY OF EDDY

I, **Seth Crawley**, certify that; I am employed by **Skyline Directional Drilling, LLC**; that I did on the day(s) of **4/4/2020 to 5/25/2020** conduct or supervise the taking of MWD surveys from a depth of **264 feet to a depth of 16,620 feet**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Skyline Directional Drilling, LLC**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **Devon Energy Production Co.** for the **Uraninite 32-33 State Fed Com 336H**, with the **API # 30-015-46821** in the **Winchester** field and **Bone Spring** pool of **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 **Skyline Directional Drilling, LLC**.

Seth Crawley

Seth Crawley
Senior Well Planner



Devon Energy Production Company, L.P.

**Eddy Co, New Mexico (NAD-83)
Sec 32-19S-29E (Uraninite)
Uraninite 32-33 State Fed Com 336H**

Wellbore #1

Design: As Drilled

Standard Survey Report

15 June, 2020



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Uraninite 32-33 State Fed Com 336H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Cactus 129: KB 30' @ 3320.4usft
Site:	Sec 32-19S-29E (Uraninite)	MD Reference:	Cactus 129: KB 30' @ 3320.4usft
Well:	Uraninite 32-33 State Fed Com 336H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

Project	Eddy Co, New Mexico (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 32-19S-29E (Uraninite)		
Site Position:		Northing:	591,034.23 usft
From:	Map	Easting:	611,459.43 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 37' 28.548 N
		Longitude:	104° 6' 20.043 W

Well	Uraninite 32-33 State Fed Com 336H		
Well Position	+N/-S	0.0 usft	Northing: 586,872.60 usft
	+E/-W	0.0 usft	Easting: 611,663.23 usft
Position Uncertainty	0.5 usft	Wellhead Elevation:	3,290.4 usft
Grid Convergence:	0.12 °	Ground Level:	3,290.4 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/4/2020	6.93	60.30	47,824.27715515

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	90.00	

Survey Program	Date	6/15/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
264.0	16,620.0	Survey #1 (Wellbore #1)	MWD	MWD - Skyline	

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
50' Lateral Box - Uraninite 336H										
264.0	2.20	188.36	263.9	-5.0	-0.7	-0.7	0.83	0.83	0.00	
First Survey										
359.0	2.55	184.70	358.9	-8.9	-1.2	-1.2	0.40	0.37	-3.85	
453.0	2.24	184.44	452.8	-12.8	-1.5	-1.5	0.33	-0.33	-0.28	
548.0	2.07	181.54	547.7	-16.4	-1.7	-1.7	0.21	-0.18	-3.05	
643.0	1.93	176.44	642.6	-19.7	-1.6	-1.6	0.24	-0.15	-5.37	
738.0	1.71	166.07	737.6	-22.7	-1.2	-1.2	0.42	-0.23	-10.92	
832.0	1.45	156.93	831.6	-25.1	-0.4	-0.4	0.38	-0.28	-9.72	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)	
927.0	1.19	158.95	926.5	-27.2	0.4	0.4	0.28	-0.27	2.13	
1,022.0	1.05	152.88	1,021.5	-28.9	1.2	1.2	0.19	-0.15	-6.39	
1,116.0	0.88	163.43	1,115.5	-30.3	1.8	1.8	0.26	-0.18	11.22	
1,211.0	0.75	147.70	1,210.5	-31.6	2.3	2.3	0.27	-0.14	-16.56	
1,277.0	0.75	154.82	1,276.5	-32.3	2.7	2.7	0.14	0.00	10.79	
1,459.0	0.63	102.82	1,458.5	-33.6	4.2	4.2	0.34	-0.07	-28.57	
1,555.0	0.25	90.90	1,554.5	-33.7	5.0	5.0	0.41	-0.40	-12.42	
1,650.0	0.43	37.88	1,649.5	-33.4	5.4	5.4	0.36	0.19	-55.81	
1,746.0	0.40	20.60	1,745.5	-32.9	5.7	5.7	0.13	-0.03	-18.00	
1,841.0	0.50	25.56	1,840.5	-32.2	6.0	6.0	0.11	0.11	5.22	
1,936.0	0.52	40.81	1,935.5	-31.5	6.5	6.5	0.14	0.02	16.05	
2,032.0	0.50	26.36	2,031.5	-30.8	6.9	6.9	0.14	-0.02	-15.05	
2,127.0	0.46	342.97	2,126.5	-30.0	7.0	7.0	0.38	-0.04	-45.67	
2,223.0	0.66	6.40	2,222.5	-29.1	7.0	7.0	0.31	0.21	24.41	
2,318.0	0.67	347.31	2,317.4	-28.0	6.9	6.9	0.23	0.01	-20.09	
2,414.0	0.35	0.80	2,413.4	-27.2	6.8	6.8	0.35	-0.33	14.05	
2,509.0	0.51	326.42	2,508.4	-26.5	6.6	6.6	0.31	0.17	-36.19	
2,605.0	0.63	321.17	2,604.4	-25.8	6.0	6.0	0.14	0.13	-5.47	
2,700.0	0.58	310.93	2,699.4	-25.0	5.3	5.3	0.13	-0.05	-10.78	
2,795.0	0.59	307.64	2,794.4	-24.4	4.5	4.5	0.04	0.01	-3.46	
2,891.0	0.53	307.97	2,890.4	-23.9	3.8	3.8	0.06	-0.06	0.34	
2,986.0	0.48	308.21	2,985.4	-23.3	3.1	3.1	0.05	-0.05	0.25	
3,093.0	0.46	347.28	3,092.4	-22.6	2.7	2.7	0.29	-0.02	36.51	
3,176.0	0.55	329.64	3,175.4	-22.0	2.4	2.4	0.22	0.11	-21.25	
3,271.0	0.50	314.54	3,270.4	-21.3	1.9	1.9	0.15	-0.05	-15.89	
3,367.0	0.33	264.59	3,366.4	-21.0	1.3	1.3	0.40	-0.18	-52.03	
3,462.0	0.55	245.13	3,461.4	-21.2	0.6	0.6	0.28	0.23	-20.48	
3,558.0	0.80	232.33	3,557.4	-21.8	-0.3	-0.3	0.30	0.26	-13.33	
3,653.0	1.31	234.31	3,652.4	-22.9	-1.7	-1.7	0.54	0.54	2.08	
3,748.0	2.79	209.24	3,747.3	-25.5	-3.7	-3.7	1.79	1.56	-26.39	
3,843.0	4.72	207.01	3,842.1	-31.0	-6.6	-6.6	2.04	2.03	-2.35	
3,938.0	5.61	199.38	3,936.7	-38.9	-9.9	-9.9	1.18	0.94	-8.03	
4,034.0	7.36	199.39	4,032.1	-49.1	-13.5	-13.5	1.82	1.82	0.01	
4,130.0	9.49	197.11	4,127.1	-62.5	-17.9	-17.9	2.25	2.22	-2.38	
4,255.0	12.52	194.69	4,249.8	-85.5	-24.4	-24.4	2.45	2.42	-1.94	
4,320.0	12.06	195.65	4,313.3	-98.8	-28.0	-28.0	0.77	-0.71	1.48	
4,415.0	11.20	194.45	4,406.3	-117.3	-33.0	-33.0	0.94	-0.91	-1.26	
4,511.0	11.25	190.03	4,500.5	-135.5	-36.9	-36.9	0.90	0.05	-4.60	
4,606.0	12.13	187.30	4,593.5	-154.6	-39.8	-39.8	1.09	0.93	-2.87	
4,701.0	11.70	184.37	4,686.5	-174.1	-41.8	-41.8	0.78	-0.45	-3.08	
4,796.0	11.20	182.90	4,779.6	-192.9	-43.0	-43.0	0.61	-0.53	-1.55	
4,891.0	9.75	181.88	4,873.0	-210.2	-43.8	-43.8	1.54	-1.53	-1.07	
4,987.0	8.20	183.03	4,967.8	-225.1	-44.4	-44.4	1.63	-1.61	1.20	

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Design:	As Drilled	Database:	Compass_DSN

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)
5,082.0	7.82	192.99	5,061.9	-238.2	-46.2	-46.2	1.51	-0.40	10.48
5,178.0	8.96	201.12	5,156.9	-251.5	-50.4	-50.4	1.71	1.19	8.47
5,306.0	11.56	196.65	5,282.8	-273.1	-57.6	-57.6	2.12	2.03	-3.49
5,401.0	12.78	192.44	5,375.7	-292.5	-62.6	-62.6	1.59	1.28	-4.43
5,496.0	14.92	190.15	5,467.9	-314.8	-67.0	-67.0	2.32	2.25	-2.41
5,591.0	14.45	192.10	5,559.8	-338.4	-71.7	-71.7	0.72	-0.49	2.05
5,686.0	13.25	192.97	5,652.0	-360.6	-76.6	-76.6	1.28	-1.26	0.92
5,782.0	13.65	190.68	5,745.4	-382.5	-81.2	-81.2	0.69	0.42	-2.39
5,876.0	12.83	191.41	5,836.9	-403.6	-85.3	-85.3	0.89	-0.87	0.78
5,972.0	11.25	190.75	5,930.8	-423.3	-89.1	-89.1	1.65	-1.65	-0.69
6,067.0	11.59	186.21	6,023.9	-441.8	-91.9	-91.9	1.01	0.36	-4.78
6,163.0	12.61	184.73	6,117.8	-461.9	-93.8	-93.8	1.11	1.06	-1.54
6,258.0	11.15	183.76	6,210.7	-481.4	-95.3	-95.3	1.55	-1.54	-1.02
6,354.0	10.34	187.70	6,305.1	-499.2	-97.0	-97.0	1.14	-0.84	4.10
6,449.0	12.11	188.79	6,398.2	-517.5	-99.7	-99.7	1.88	1.86	1.15
6,545.0	13.52	187.53	6,491.8	-538.6	-102.7	-102.7	1.50	1.47	-1.31
6,640.0	15.21	190.94	6,583.9	-561.8	-106.5	-106.5	1.99	1.78	3.59
6,736.0	13.28	192.19	6,676.9	-584.9	-111.3	-111.3	2.04	-2.01	1.30
6,832.0	13.96	189.21	6,770.2	-607.2	-115.4	-115.4	1.02	0.71	-3.10
6,927.0	12.95	188.14	6,862.6	-629.0	-118.8	-118.8	1.09	-1.06	-1.13
7,023.0	11.78	190.13	6,956.4	-649.3	-122.0	-122.0	1.30	-1.22	2.07
7,118.0	12.38	187.66	7,049.3	-668.9	-125.1	-125.1	0.83	0.63	-2.60
7,214.0	11.31	191.66	7,143.2	-688.4	-128.4	-128.4	1.40	-1.11	4.17
7,309.0	9.82	192.02	7,236.6	-705.4	-131.9	-131.9	1.57	-1.57	0.38
7,405.0	8.31	194.56	7,331.4	-720.1	-135.4	-135.4	1.63	-1.57	2.65
7,500.0	7.35	195.34	7,425.5	-732.6	-138.7	-138.7	1.02	-1.01	0.82
7,596.0	6.27	191.34	7,520.8	-743.7	-141.4	-141.4	1.23	-1.13	-4.17
7,691.0	5.58	200.73	7,615.3	-753.1	-144.0	-144.0	1.25	-0.73	9.88
7,787.0	5.22	209.48	7,710.9	-761.3	-147.8	-147.8	0.93	-0.38	9.11
7,882.0	4.51	207.05	7,805.6	-768.4	-151.6	-151.6	0.78	-0.75	-2.56
7,978.0	3.67	202.99	7,901.3	-774.5	-154.6	-154.6	0.92	-0.88	-4.23
8,074.0	2.37	212.86	7,997.2	-779.0	-156.8	-156.8	1.45	-1.35	10.28
8,169.0	2.28	226.85	8,092.1	-782.0	-159.3	-159.3	0.60	-0.09	14.73
8,265.0	1.40	220.80	8,188.1	-784.2	-161.4	-161.4	0.94	-0.92	-6.30
8,360.0	0.99	226.49	8,283.0	-785.6	-162.8	-162.8	0.45	-0.43	5.99
8,467.0	0.97	232.65	8,390.0	-786.8	-164.2	-164.2	0.10	-0.02	5.76
KOP: (8467' MD) 32' FWL/328' FSL									
8,563.0	5.11	82.36	8,485.9	-786.7	-160.6	-160.6	6.22	4.31	-156.55
8,659.0	16.69	82.76	8,580.0	-784.4	-142.6	-142.6	12.06	12.06	0.42
8,754.0	27.58	93.87	8,667.9	-784.2	-107.0	-107.0	12.23	11.46	11.69
8,850.0	38.25	95.92	8,748.4	-788.8	-55.1	-55.1	11.17	11.11	2.14
8,945.0	48.39	89.37	8,817.5	-791.4	9.8	9.8	11.66	10.67	-6.89
9,040.0	57.21	88.04	8,874.9	-789.7	85.4	85.4	9.35	9.28	-1.40
9,136.0	57.59	87.58	8,926.6	-786.6	166.2	166.2	0.57	0.40	-0.48

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9,231.0	59.63	88.97	8,976.1	-784.1	247.3	247.3	2.48	2.15	1.46
9,327.0	64.32	91.67	9,021.2	-784.6	332.0	332.0	5.48	4.89	2.81
9,408.2	78.18	91.37	9,047.2	-786.7	408.6	408.6	17.07	17.07	-0.37
LP - Uraninite 336H									
9,412.0	78.83	91.36	9,047.9	-786.8	412.4	412.4	17.07	17.07	-0.34
9,458.0	88.18	92.52	9,053.1	-788.3	458.0	458.0	20.48	20.33	2.52
FTP: (9458' MD) 655' FWL/328' FSL									
9,554.0	91.72	92.16	9,053.2	-792.2	553.9	553.9	3.71	3.69	-0.38
9,649.0	92.30	91.74	9,049.9	-795.5	648.8	648.8	0.75	0.61	-0.44
9,745.0	91.96	91.37	9,046.3	-798.1	744.7	744.7	0.52	-0.35	-0.39
9,840.0	91.90	90.60	9,043.1	-799.7	839.6	839.6	0.81	-0.06	-0.81
9,935.0	91.89	90.09	9,040.0	-800.3	934.6	934.6	0.54	-0.01	-0.54
10,031.0	90.12	89.60	9,038.3	-800.0	1,030.5	1,030.5	1.91	-1.84	-0.51
10,126.0	90.29	89.53	9,038.0	-799.3	1,125.5	1,125.5	0.19	0.18	-0.07
10,221.0	90.66	89.23	9,037.2	-798.3	1,220.5	1,220.5	0.50	0.39	-0.32
10,316.0	91.43	88.79	9,035.4	-796.6	1,315.5	1,315.5	0.93	0.81	-0.46
10,412.0	88.81	88.18	9,035.2	-794.1	1,411.5	1,411.5	2.80	-2.73	-0.64
10,507.0	87.57	87.84	9,038.2	-790.8	1,506.4	1,506.4	1.35	-1.31	-0.36
10,603.0	87.59	87.62	9,042.3	-787.0	1,602.2	1,602.2	0.23	0.02	-0.23
10,698.0	88.12	87.68	9,045.9	-783.1	1,697.0	1,697.0	0.56	0.56	0.06
10,793.0	89.69	87.87	9,047.7	-779.4	1,792.0	1,792.0	1.66	1.65	0.20
10,889.0	88.99	88.48	9,048.8	-776.3	1,887.9	1,887.9	0.97	-0.73	0.64
10,984.0	90.58	88.83	9,049.1	-774.1	1,982.9	1,982.9	1.71	1.67	0.37
11,031.1	90.04	89.78	9,048.9	-773.5	2,029.9	2,029.9	2.33	-1.16	2.02
2030' VS Tgt - Uraninite 336H									
11,080.0	89.47	90.77	9,049.1	-773.8	2,078.9	2,078.9	2.33	-1.16	2.02
11,175.0	91.05	91.75	9,048.7	-775.9	2,173.8	2,173.8	1.96	1.66	1.03
11,270.0	88.44	90.75	9,049.1	-777.9	2,268.8	2,268.8	2.94	-2.75	-1.05
11,366.0	87.73	90.56	9,052.3	-779.0	2,364.7	2,364.7	0.77	-0.74	-0.20
11,461.0	87.75	90.59	9,056.0	-780.0	2,459.7	2,459.7	0.04	0.02	0.03
11,556.0	87.86	90.67	9,059.7	-781.0	2,554.6	2,554.6	0.14	0.12	0.08
11,652.0	87.78	90.27	9,063.3	-781.8	2,650.5	2,650.5	0.42	-0.08	-0.42
11,747.0	88.59	90.24	9,066.3	-782.2	2,745.5	2,745.5	0.85	0.85	-0.03
11,843.0	89.86	90.05	9,067.6	-782.5	2,841.5	2,841.5	1.34	1.32	-0.20
11,938.0	89.85	89.60	9,067.9	-782.2	2,936.4	2,936.4	0.47	-0.01	-0.47
12,034.0	90.32	89.78	9,067.7	-781.7	3,032.4	3,032.4	0.52	0.49	0.19
12,129.0	90.82	89.71	9,066.8	-781.3	3,127.4	3,127.4	0.53	0.53	-0.07
12,225.0	91.38	89.49	9,064.9	-780.6	3,223.4	3,223.4	0.63	0.58	-0.23
12,320.0	91.61	89.67	9,062.5	-779.9	3,318.4	3,318.4	0.31	0.24	0.19
12,415.0	89.35	90.08	9,061.7	-779.7	3,413.4	3,413.4	2.42	-2.38	0.43
12,511.0	89.78	89.85	9,062.4	-779.6	3,509.4	3,509.4	0.51	0.45	-0.24
12,607.0	90.61	89.99	9,062.1	-779.5	3,605.4	3,605.4	0.88	0.86	0.15
12,702.0	89.25	90.22	9,062.2	-779.7	3,700.4	3,700.4	1.45	-1.43	0.24
12,797.0	89.14	90.29	9,063.5	-780.1	3,795.4	3,795.4	0.14	-0.12	0.07

Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Uraninite 32-33 State Fed Com 336H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Cactus 129: KB 30' @ 3320.4usft
Site:	Sec 32-19S-29E (Uraninite)	MD Reference:	Cactus 129: KB 30' @ 3320.4usft
Well:	Uraninite 32-33 State Fed Com 336H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
12,893.0	89.67	90.26	9,064.5	-780.5	3,891.4	3,891.4	0.55	0.55	-0.03
12,988.0	90.22	90.00	9,064.6	-780.8	3,986.4	3,986.4	0.64	0.58	-0.27
13,084.0	90.81	89.67	9,063.7	-780.5	4,082.3	4,082.3	0.70	0.61	-0.34
13,179.0	88.62	89.95	9,064.2	-780.2	4,177.3	4,177.3	2.32	-2.31	0.29
13,274.0	88.65	89.75	9,066.5	-779.9	4,272.3	4,272.3	0.21	0.03	-0.21
13,369.0	89.06	89.54	9,068.4	-779.3	4,367.3	4,367.3	0.48	0.43	-0.22
13,464.0	89.13	89.30	9,069.9	-778.4	4,462.3	4,462.3	0.26	0.07	-0.25
13,559.0	89.82	89.40	9,070.8	-777.3	4,557.3	4,557.3	0.73	0.73	0.11
13,655.0	90.29	89.09	9,070.7	-776.0	4,653.3	4,653.3	0.59	0.49	-0.32
13,750.0	90.93	88.67	9,069.6	-774.2	4,748.2	4,748.2	0.81	0.67	-0.44
13,846.0	89.47	90.04	9,069.3	-773.1	4,844.2	4,844.2	2.09	-1.52	1.43
13,942.0	89.60	90.23	9,070.1	-773.3	4,940.2	4,940.2	0.24	0.14	0.20
14,037.0	90.10	90.18	9,070.3	-773.7	5,035.2	5,035.2	0.53	0.53	-0.05
14,082.7	89.10	90.70	9,070.7	-774.0	5,080.9	5,080.9	2.47	-2.20	1.14
Cross Section 32-33; 14082.7' MD/348' FSL									
14,133.0	87.99	91.27	9,071.9	-774.9	5,131.2	5,131.2	2.47	-2.20	1.14
14,228.0	88.03	91.38	9,075.2	-777.1	5,226.1	5,226.1	0.12	0.04	0.12
14,324.0	88.69	91.42	9,078.0	-779.4	5,322.0	5,322.0	0.69	0.69	0.04
14,419.0	89.62	91.09	9,079.4	-781.5	5,417.0	5,417.0	1.04	0.98	-0.35
14,514.0	90.27	90.56	9,079.5	-782.9	5,512.0	5,512.0	0.88	0.68	-0.56
14,610.0	90.93	90.32	9,078.5	-783.6	5,608.0	5,608.0	0.73	0.69	-0.25
14,705.0	89.51	90.97	9,078.1	-784.7	5,703.0	5,703.0	1.64	-1.49	0.68
14,800.0	89.46	90.77	9,079.0	-786.1	5,798.0	5,798.0	0.22	-0.05	-0.21
14,896.0	89.96	90.95	9,079.4	-787.6	5,893.9	5,893.9	0.55	0.52	0.19
14,991.0	90.55	90.81	9,079.0	-789.0	5,988.9	5,988.9	0.64	0.62	-0.15
15,087.0	89.42	90.66	9,079.1	-790.2	6,084.9	6,084.9	1.19	-1.18	-0.16
15,182.0	89.96	90.30	9,079.6	-791.0	6,179.9	6,179.9	0.68	0.57	-0.38
15,277.0	88.27	90.28	9,081.0	-791.5	6,274.9	6,274.9	1.78	-1.78	-0.02
15,373.0	88.78	90.16	9,083.5	-791.9	6,370.9	6,370.9	0.55	0.53	-0.13
15,468.0	89.59	89.61	9,084.9	-791.7	6,465.9	6,465.9	1.03	0.85	-0.58
15,564.0	90.63	89.20	9,084.7	-790.7	6,561.8	6,561.8	1.16	1.08	-0.43
15,659.0	89.91	88.84	9,084.2	-789.1	6,656.8	6,656.8	0.85	-0.76	-0.38
15,754.0	90.10	88.06	9,084.2	-786.5	6,751.8	6,751.8	0.85	0.20	-0.82
15,849.0	88.48	88.61	9,085.4	-783.7	6,846.7	6,846.7	1.80	-1.71	0.58
15,945.0	89.05	88.70	9,087.5	-781.5	6,942.7	6,942.7	0.60	0.59	0.09
16,040.0	89.81	88.79	9,088.4	-779.4	7,037.7	7,037.7	0.81	0.80	0.09
16,135.0	88.21	90.54	9,090.0	-778.9	7,132.6	7,132.6	2.50	-1.68	1.84
16,231.0	88.87	90.26	9,092.5	-779.5	7,228.6	7,228.6	0.75	0.69	-0.29
16,327.0	89.71	89.90	9,093.7	-779.7	7,324.6	7,324.6	0.95	0.88	-0.38
16,422.0	90.68	89.36	9,093.4	-779.0	7,419.6	7,419.6	1.17	1.02	-0.57
16,517.0	91.24	89.17	9,091.8	-777.8	7,514.6	7,514.6	0.62	0.59	-0.20
16,552.0	91.33	88.85	9,091.0	-777.2	7,549.6	7,549.6	0.95	0.26	-0.91
16,620.0	91.33	88.85	9,089.4	-775.9	7,617.5	7,617.5	0.00	0.00	0.00



Skyline Directional
Survey Report



Company:	Devon Energy Production Company, L.P.	Local Co-ordinate Reference:	Well Uraninite 32-33 State Fed Com 336H
Project:	Eddy Co, New Mexico (NAD-83)	TVD Reference:	Cactus 129: KB 30' @ 3320.4usft
Site:	Sec 32-19S-29E (Uraninite)	MD Reference:	Cactus 129: KB 30' @ 3320.4usft
Well:	Uraninite 32-33 State Fed Com 336H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Compass_DSN

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)
PTB: (16620' MD) 354' FSL/104' FCL of Half Sec 33 - PBHL - Uraninite 336H									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
264.0	263.9	-5.0	-0.7	First Survey	
8,467.0	8,390.0	-786.8	-164.2	KOP: (8467' MD) 32' FWL/328' FSL	
9,458.0	9,053.1	-788.3	458.0	FTP: (9458' MD) 655' FWL/328' FSL	
14,082.7	9,070.7	-774.0	5,080.9	Cross Section 32-33; 14082.7' MD/348' FSL	
16,620.0	9,089.4	-775.9	7,617.5	PTB: (16620' MD) 354' FSL/104' FCL of Half Sec 33	

Checked By: _____	Approved By: _____	Date: _____
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