



Devon Energy

Lea Co., NM (Nad83 - East Zone)

Flagler 8 Fed Com

#14H

OH

Design: OH

End Of Well Report

27 August, 2019

**HOBBS OCD
FEB 19 2020
RECEIVED**



Wellbenders End Of Well Report

Company: Devon Energy
Project: Lea Co., NM (Nad83 - East Zone)
Site: Flagler 8 Fed Com
Well: #14H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #14H
TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Project	Lea Co., NM (Nad83 - East Zone)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Flagler 8 Fed Com		
Site Position:		Northing:	415,038.57 usft
From:	Map	Easting:	768,002.82 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.138901
		Longitude:	-103.601029
		Grid Convergence:	0.390 °

Well	#14H					
Well Position	+N/-S	0.00 usft	Northing:	415,038.57 usft	Latitude:	32.138901
	+E/-W	0.00 usft	Easting:	768,012.82 usft	Longitude:	-103.600997
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,466.80 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/23/2019	6.733	59.952	47,668.60302242

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)	Direction (°)	
	0.00	0.00	0.00	359.62	

Survey Program	Date 8/27/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
162.00	15,702.00	Survey #1 (OH)	MWD+IGRF	OWSG MWD + IGRF or WMM	



Wellbenders End Of Well Report

Company: Devon Energy
Project: Lea Co., NM (Nad83 - East Zone)
Site: Flagler 8 Fed Com
Well: #14H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #14H
TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162.00	1.05	343.40	161.99	1.42	-0.42	1.43	162.00	343.40	0.65
262.00	1.32	349.12	261.97	3.43	-0.90	3.44	100.00	346.59	0.29
355.00	1.19	350.81	354.95	5.44	-1.26	5.44	93.00	349.83	0.14
448.00	1.10	344.63	447.93	7.25	-1.66	7.26	93.00	347.74	0.16
542.00	0.75	351.93	541.92	8.73	-1.98	8.74	94.00	347.59	0.39
635.00	0.75	348.68	634.91	9.93	-2.19	9.94	93.00	350.30	0.05
723.00	0.57	358.96	722.90	10.93	-2.31	10.95	88.00	353.12	0.24
815.00	0.35	329.96	814.90	11.63	-2.46	11.65	92.00	348.00	0.34
907.00	0.40	331.63	906.90	12.16	-2.75	12.18	92.00	330.85	0.06
1,001.00	0.35	329.34	1,000.90	12.69	-3.05	12.71	94.00	330.56	0.06
1,059.00	0.18	344.11	1,058.89	12.93	-3.17	12.95	58.00	334.34	0.31
1,245.00	0.26	275.64	1,244.89	13.26	-3.67	13.28	186.00	302.82	0.14
1,338.00	0.09	0.89	1,337.89	13.35	-3.88	13.37	93.00	294.18	0.29
1,430.00	0.18	349.29	1,429.89	13.56	-3.90	13.59	92.00	353.15	0.10
1,522.00	0.09	354.74	1,521.89	13.78	-3.94	13.80	92.00	351.11	0.10
1,614.00	0.35	290.93	1,613.89	13.95	-4.21	13.98	92.00	302.64	0.35
1,709.00	0.44	329.96	1,708.89	14.37	-4.66	14.40	95.00	312.76	0.29
1,803.00	0.57	287.94	1,802.89	14.83	-5.28	14.86	94.00	306.12	0.41
1,898.00	0.48	288.38	1,897.88	15.10	-6.11	15.14	95.00	288.14	0.09
1,992.00	0.40	324.77	1,991.88	15.49	-6.67	15.53	94.00	304.86	0.30
2,181.00	2.95	229.15	2,180.80	12.85	-10.74	12.92	189.00	236.94	1.60
2,371.00	4.40	239.96	2,370.40	6.00	-20.74	6.14	190.00	235.62	0.84
2,465.00	4.00	244.35	2,464.15	2.78	-26.82	2.95	94.00	242.05	0.55
2,560.00	3.52	238.81	2,558.95	-0.17	-32.30	0.04	95.00	241.76	0.63
2,654.00	3.47	237.85	2,652.77	-3.18	-37.18	-2.93	94.00	238.33	0.08
2,749.00	4.53	232.75	2,747.54	-6.98	-42.60	-6.70	95.00	234.96	1.18



Wellbenders End Of Well Report

Company: Devon Energy
Project: Lea Co., NM (Nad83 - East Zone)
Site: Flagler 8 Fed Com
Well: #14H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #14H
TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
2,844.00	4.92	232.66	2,842.22	-11.72	-48.82	-11.40	95.00	232.70	0.41
2,939.00	4.62	233.80	2,936.89	-16.45	-55.15	-16.08	95.00	233.21	0.33
3,034.00	4.48	235.47	3,031.59	-20.81	-61.30	-20.41	95.00	234.82	0.20
3,129.00	3.74	233.89	3,126.34	-24.74	-66.86	-24.30	95.00	234.75	0.79
3,224.00	3.34	237.93	3,221.16	-28.04	-71.70	-27.56	95.00	235.80	0.50
3,319.00	4.35	233.36	3,315.95	-31.66	-76.94	-31.15	95.00	235.35	1.11
3,413.00	5.89	228.79	3,409.57	-36.96	-83.43	-36.41	94.00	230.73	1.69
3,508.00	5.14	230.29	3,504.13	-42.89	-90.37	-42.29	95.00	229.49	0.80
3,602.00	5.10	230.11	3,597.75	-48.26	-96.81	-47.62	94.00	230.20	0.05
3,697.00	5.01	231.08	3,692.38	-53.58	-103.28	-52.89	95.00	230.59	0.13
3,791.00	4.31	232.57	3,786.07	-58.30	-109.28	-57.58	94.00	231.77	0.76
3,886.00	3.34	231.34	3,880.86	-62.20	-114.28	-61.44	95.00	232.03	1.02
3,980.00	3.08	233.54	3,974.71	-65.41	-118.45	-64.63	94.00	232.40	0.31
4,074.00	4.22	228.09	4,068.52	-69.22	-123.05	-68.41	94.00	230.39	1.27
4,169.00	4.62	229.23	4,163.24	-74.06	-128.55	-73.20	95.00	228.69	0.43
4,264.00	3.87	228.35	4,257.98	-78.69	-133.84	-77.80	95.00	228.83	0.79
4,358.00	3.34	217.63	4,351.79	-82.96	-137.88	-82.05	94.00	223.38	0.91
4,453.00	2.95	213.24	4,446.65	-87.20	-140.91	-86.26	95.00	215.57	0.48
4,547.00	2.66	211.13	4,540.53	-91.10	-143.38	-90.15	94.00	212.24	0.31
4,642.00	3.30	208.14	4,635.40	-95.42	-145.81	-94.45	95.00	209.48	0.67
4,736.00	3.25	201.37	4,729.25	-100.28	-148.06	-99.30	94.00	204.78	0.41
4,831.00	2.24	213.50	4,824.14	-104.34	-150.07	-103.34	95.00	206.32	1.22
4,925.00	1.89	219.83	4,918.08	-107.06	-152.07	-106.05	94.00	216.40	0.44
5,110.00	2.29	219.13	5,102.96	-112.27	-156.36	-111.23	185.00	219.45	0.22
5,205.00	2.15	216.93	5,197.89	-115.17	-158.63	-114.11	95.00	218.06	0.17
5,300.00	2.15	217.10	5,292.82	-118.01	-160.77	-116.94	95.00	217.01	0.01
5,394.00	1.23	219.74	5,386.78	-120.20	-162.48	-119.12	94.00	218.06	0.98



Wellbenders
End Of Well Report

Company: Devon Energy
 Project: Lea Co., NM (Nad83 - East Zone)
 Site: Flagler 8 Fed Com
 Well: #14H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #14H
 TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
5,489.00	0.75	262.46	5,481.76	-121.06	-163.75	-119.97	95.00	235.68	0.89
5,583.00	0.84	259.56	5,575.75	-121.27	-165.04	-120.17	94.00	260.93	0.10
5,678.00	0.92	261.31	5,670.74	-121.51	-166.48	-120.40	95.00	260.47	0.09
5,772.00	0.92	269.58	5,764.73	-121.63	-167.98	-120.51	94.00	265.45	0.14
5,867.00	0.92	272.21	5,859.72	-121.60	-169.50	-120.48	95.00	270.89	0.04
5,961.00	0.88	268.78	5,953.71	-121.59	-170.98	-120.45	94.00	270.53	0.07
6,056.00	1.01	268.78	6,048.69	-121.62	-172.55	-120.48	95.00	268.78	0.14
6,151.00	0.88	6.36	6,143.69	-120.92	-173.28	-119.77	95.00	313.92	1.52
6,246.00	1.27	17.77	6,238.67	-119.20	-172.85	-118.05	95.00	13.92	0.45
6,340.00	1.36	13.90	6,332.65	-117.12	-172.26	-115.98	94.00	15.77	0.13
6,435.00	1.45	11.97	6,427.62	-114.85	-171.74	-113.71	95.00	12.90	0.11
6,530.00	1.45	12.93	6,522.59	-112.50	-171.22	-111.36	95.00	12.45	0.03
6,625.00	1.49	15.75	6,617.56	-110.14	-170.62	-109.01	95.00	14.36	0.09
6,720.00	1.41	11.18	6,712.52	-107.81	-170.06	-106.68	95.00	13.53	0.15
6,814.00	1.36	12.58	6,806.50	-105.58	-169.59	-104.46	94.00	11.87	0.06
6,909.00	1.23	12.93	6,901.47	-103.49	-169.12	-102.37	95.00	12.75	0.14
7,003.00	1.19	9.51	6,995.45	-101.54	-168.73	-100.42	94.00	11.25	0.09
7,098.00	1.05	11.00	7,090.43	-99.72	-168.40	-98.60	95.00	10.21	0.15
7,193.00	1.05	9.33	7,185.42	-98.00	-168.09	-96.89	95.00	10.16	0.03
7,287.00	1.14	5.99	7,279.40	-96.22	-167.86	-95.11	94.00	7.59	0.12
7,382.00	1.05	6.17	7,374.38	-94.42	-167.66	-93.30	95.00	6.08	0.09
7,476.00	1.05	4.06	7,468.37	-92.70	-167.51	-91.59	94.00	5.12	0.04
7,571.00	1.19	1.33	7,563.35	-90.85	-167.43	-89.74	95.00	2.61	0.16
7,666.00	1.27	61.01	7,658.33	-89.35	-166.48	-88.25	95.00	32.24	1.29
7,761.00	1.49	71.73	7,753.30	-88.45	-164.39	-87.36	95.00	66.80	0.36
7,855.00	1.19	74.63	7,847.28	-87.81	-162.29	-86.73	94.00	73.02	0.33
7,950.00	0.92	88.43	7,942.26	-87.53	-160.57	-86.46	95.00	80.64	0.39



Wellbenders
End Of Well Report

Company: Devon Energy
 Project: Lea Co., NM (Nad83 - East Zone)
 Site: Flagler 8 Fed Com
 Well: #14H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #14H
 TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
8,045.00	0.75	95.46	8,037.25	-87.57	-159.19	-86.51	95.00	91.59	0.21
8,139.00	0.62	103.46	8,131.25	-87.75	-158.09	-86.69	94.00	99.08	0.17
8,234.00	0.57	107.07	8,226.24	-88.00	-157.13	-86.96	95.00	105.19	0.07
8,329.00	0.53	119.63	8,321.24	-88.36	-156.30	-87.32	95.00	113.12	0.13
8,423.00	0.48	130.88	8,415.23	-88.83	-155.62	-87.80	94.00	124.98	0.12
8,518.00	0.62	134.05	8,510.23	-89.45	-154.95	-88.42	95.00	132.67	0.15
8,613.00	0.79	136.16	8,605.22	-90.28	-154.13	-89.26	95.00	135.23	0.18
8,708.00	0.92	139.59	8,700.21	-91.33	-153.18	-90.31	95.00	138.01	0.15
8,802.00	1.01	145.39	8,794.20	-92.59	-152.22	-91.58	94.00	142.63	0.14
8,896.00	1.05	151.27	8,888.18	-94.03	-151.34	-93.02	94.00	148.39	0.12
8,991.00	1.01	158.31	8,983.17	-95.57	-150.61	-94.57	95.00	154.72	0.14
9,086.00	1.05	165.95	9,078.15	-97.19	-150.09	-96.19	95.00	162.20	0.15
9,180.00	1.01	168.59	9,172.14	-98.84	-149.72	-97.84	94.00	167.24	0.07
9,275.00	0.79	170.79	9,267.12	-100.30	-149.45	-99.31	95.00	169.56	0.23
9,370.00	0.48	174.92	9,362.12	-101.35	-149.31	-100.36	95.00	172.35	0.33
9,464.00	0.48	226.42	9,456.11	-102.01	-149.56	-101.02	94.00	200.67	0.44
9,559.00	0.92	239.34	9,551.11	-102.67	-150.50	-101.67	95.00	234.92	0.49
9,654.00	1.45	251.65	9,646.09	-103.44	-152.30	-102.43	95.00	246.88	0.62
9,748.00	2.07	245.23	9,740.04	-104.53	-154.97	-103.50	94.00	247.87	0.69
9,843.00	1.98	235.74	9,834.98	-106.17	-157.88	-105.12	95.00	240.59	0.37
9,938.00	2.24	232.57	9,929.92	-108.22	-160.71	-107.15	95.00	234.06	0.30
10,032.00	2.24	233.01	10,023.85	-110.44	-163.64	-109.36	94.00	232.79	0.02
10,127.00	2.46	234.42	10,118.77	-112.75	-166.78	-111.64	95.00	233.75	0.24
10,222.00	2.42	238.29	10,213.68	-114.99	-170.15	-113.86	95.00	236.34	0.18
10,316.00	2.33	246.72	10,307.60	-116.79	-173.59	-115.63	94.00	242.43	0.38
10,411.00	2.77	252.81	10,402.51	-118.24	-177.55	-117.06	95.00	249.92	0.54



Wellbenders End Of Well Report

Company: Devon Energy
Project: Lea Co., NM (Nad83 - East Zone)
Site: Flagler 8 Fed Com
Well: #14H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #14H
TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
10,506.00	2.95	290.23	10,497.40	-118.08	-182.04	-116.87	95.00	272.03	1.95
KOP @ 10606.00' MD 262.97' FSL & 387.11' FWL									
10,601.00	12.84	358.26	10,591.49	-106.64	-184.66	-105.41	95.00	347.08	12.68
10,696.00	24.66	359.75	10,681.29	-76.16	-185.07	-74.93	95.00	359.23	12.45
10,790.00	36.00	357.82	10,762.30	-28.79	-186.21	-27.55	94.00	358.62	12.11
10,885.00	45.27	354.48	10,834.32	32.84	-190.53	34.10	95.00	355.99	10.02
10,979.00	52.70	353.34	10,895.96	103.31	-198.09	104.62	94.00	353.88	7.96
11,074.00	63.21	356.68	10,946.31	183.41	-204.95	184.77	95.00	355.11	11.46
11,168.00	71.56	358.08	10,982.43	270.02	-208.88	271.40	94.00	357.40	8.99
11,262.00	78.95	357.82	11,006.33	360.80	-212.13	362.20	94.00	357.95	7.87
11,357.00	89.41	359.31	11,015.95	455.15	-214.48	456.56	95.00	358.57	11.12
11,451.00	91.30	1.07	11,015.37	549.14	-214.17	550.55	94.00	0.19	2.75
11,546.00	91.47	1.07	11,013.08	644.09	-212.40	645.49	95.00	1.07	0.18
11,640.00	90.46	1.77	11,011.49	738.05	-210.07	739.43	94.00	1.42	1.31
11,735.00	89.98	1.33	11,011.13	833.01	-207.50	834.37	95.00	1.55	0.69
11,830.00	90.51	0.81	11,010.72	927.99	-205.72	929.34	95.00	1.07	0.78
11,925.00	89.85	1.33	11,010.42	1,022.98	-203.95	1,024.31	95.00	1.07	0.88
12,020.00	90.46	1.07	11,010.17	1,117.95	-201.96	1,119.27	95.00	1.20	0.70
12,114.00	88.66	1.25	11,010.89	1,211.93	-200.06	1,213.23	94.00	1.16	1.92
12,209.00	89.71	0.81	11,012.24	1,306.90	-198.35	1,308.19	95.00	1.03	1.20
12,303.00	90.99	0.54	11,011.67	1,400.89	-197.24	1,402.17	94.00	0.68	1.39
12,398.00	89.23	1.42	11,011.48	1,495.87	-195.62	1,497.14	95.00	0.98	2.07
12,492.00	89.89	0.54	11,012.20	1,589.86	-194.01	1,591.11	94.00	0.98	1.17
12,587.00	89.01	0.98	11,013.12	1,684.84	-192.75	1,686.06	95.00	0.76	1.04
12,682.00	90.55	0.72	11,013.48	1,779.83	-191.34	1,781.06	95.00	0.85	1.64
12,776.00	89.93	1.42	11,013.09	1,873.81	-189.59	1,875.03	94.00	1.07	0.99
12,871.00	90.90	1.16	11,012.40	1,968.78	-187.45	1,969.98	95.00	1.29	1.06



Wellbenders
End Of Well Report

Company: Devon Energy
 Project: Lea Co., NM (Nad83 - East Zone)
 Site: Flagler 8 Fed Com
 Well: #14H
 Wellbore: OH
 Design: OH

Local Co-ordinate Reference: Well #14H
 TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
 Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
12,966.00	90.68	1.86	11,011.09	2,063.74	-184.94	2,084.92	95.00	1.51	0.77
13,060.00	89.49	1.68	11,010.95	2,157.69	-182.04	2,158.85	94.00	1.77	1.28
13,155.00	91.08	1.07	11,010.48	2,252.66	-179.76	2,253.80	95.00	1.38	1.79
13,184.00	91.69	0.72	11,009.78	2,281.65	-179.31	2,282.79	29.00	0.90	2.42
13,278.00	90.37	1.16	11,008.09	2,375.62	-177.77	2,376.74	94.00	0.94	1.48
13,373.00	88.70	0.19	11,008.86	2,470.60	-176.65	2,471.72	95.00	0.68	2.03
13,468.00	89.05	359.93	11,010.72	2,565.58	-176.55	2,566.70	95.00	0.06	0.46
13,562.00	89.49	359.58	11,011.92	2,659.58	-176.95	2,660.69	94.00	359.75	0.60
13,657.00	89.54	359.31	11,012.72	2,754.57	-177.87	2,755.69	95.00	359.44	0.29
13,752.00	89.63	358.96	11,013.41	2,849.55	-179.30	2,850.68	95.00	359.13	0.38
13,846.00	89.98	359.05	11,013.73	2,943.54	-180.94	2,944.87	94.00	359.01	0.38
13,941.00	90.33	359.22	11,013.48	3,038.53	-182.37	3,039.67	95.00	359.13	0.41
14,036.00	90.55	358.87	11,012.75	3,133.51	-183.95	3,134.66	95.00	359.05	0.44
14,130.00	90.90	358.78	11,011.56	3,227.48	-185.88	3,228.65	94.00	358.83	0.38
14,225.00	89.49	359.31	11,011.23	3,322.47	-187.46	3,323.64	95.00	359.05	1.59
14,320.00	89.23	359.14	11,012.29	3,417.45	-188.75	3,418.63	95.00	359.23	0.33
14,415.00	89.41	0.01	11,013.42	3,512.44	-189.45	3,513.62	95.00	359.58	0.94
14,510.00	89.63	0.54	11,014.22	3,607.44	-189.00	3,608.61	95.00	0.28	0.60
14,605.00	89.54	0.72	11,014.91	3,702.43	-187.95	3,703.60	95.00	0.63	0.21
14,699.00	89.63	0.72	11,015.59	3,796.42	-186.77	3,797.58	94.00	0.72	0.10
14,794.00	89.85	0.98	11,016.02	3,891.41	-185.38	3,892.55	95.00	0.85	0.36
14,889.00	90.33	1.07	11,015.87	3,986.39	-183.66	3,987.52	95.00	1.02	0.51
14,984.00	90.68	0.98	11,015.03	4,081.37	-181.96	4,082.49	95.00	1.03	0.38
15,079.00	88.75	0.81	11,015.50	4,176.36	-180.48	4,177.46	95.00	0.90	2.04
15,174.00	88.88	0.72	11,017.47	4,271.33	-179.21	4,272.42	95.00	0.76	0.17
15,268.00	88.62	0.72	11,019.52	4,366.30	-178.03	4,366.38	94.00	0.72	0.28
15,362.00	89.54	1.16	11,021.03	4,459.27	-176.49	4,460.34	94.00	0.94	1.08



Wellbenders
End Of Well Report

Company: Devon Energy
Project: Lea Co., NM (Nad83 - East Zone)
Site: Flagler 8 Fed Com
Well: #14H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #14H
TVD Reference: RKB=30' @ 3496.80usft (Cactus 108)
MD Reference: RKB=30' @ 3496.80usft (Cactus 108)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
15,457.00	89.93	1.51	11,021.47	4,554.24	-174.28	4,555.30	95.00	1.34	0.55
15,552.00	90.46	1.60	11,021.14	4,649.21	-171.70	4,650.25	95.00	1.55	0.57
15,644.00	90.77	1.95	11,020.16	4,741.16	-168.85	4,742.17	92.00	1.77	0.51
15,702.00	90.77	1.95	11,019.38	4,799.12	-166.88	4,800.12	58.00	1.95	0.00

BHL @ 15702.00' MD 100.00' FNL & 436.20' FWL

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,506.00	10,497.40	-118.08	-182.04	KOP @ 10506.00' MD 262.97' FSL & 387.11' FWL
15,702.00	11,019.38	4,799.12	-166.88	BHL @ 15702.00' MD 100.00' FNL & 435.20' FWL

Checked By: _____ Approved By: _____ Date: _____