



PHOENIX
TECHNOLOGY SERVICES

Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Duck Hunt 1 State Com
302H**

OH / 65515

Survey: Phoenix MWD Surveys

Standard Survey Report

08 November, 2019

HOBBS OCD

FEB 03 2020

RECEIVED



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Com	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

Project	Lea County, NM (NAD83 - UTM Zone 13)		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)	Using geodetic scale factor	

Site		Duck Hunt 1 State Com			
Site Position:		Northing:	11,740,221.78 usft	Latitude:	32.332815
From:	Map	Easting:	2,129,032.10 usft	Longitude:	-103.417617
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.85 °

Well	302H					
Well Position	+N/-S	0.00 usft	Northing:	11,739,902.03 usft	Latitude:	32.331986
	+E/-W	0.00 usft	Easting:	2,127,793.24 usft	Longitude:	-103.421643
Position Uncertainty	1.00 usft		Wellhead Elevation:	usft	Ground Level:	3,367.50 usft

Wellbore	OH / 65515				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	10/29/2019	6.62	60.03	47,863.00000000

Design	Surveys (H&P 618)				
---------------	-------------------	--	--	--	--

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	177.32

Survey Program	Date 11/8/2019				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	1,821.00	Wildfire MWD Surveys (OH / 65515)	MWD	OWSG MWD - Standard	
1,908.00	17,217.00	Phoenix MWD Surveys (OH / 65515)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

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)	
1,821.00	0.60	281.70	1,820.78	-8.68	-21.77	7.65	0.00	0.00	0.00	
Tie In										
1,908.00	0.84	221.21	1,907.77	-9.07	-22.64	8.00	0.87	0.28	-69.53	
First Phoenix MWD Survey										
2,002.00	0.48	46.08	2,001.77	-9.31	-22.80	8.24	1.40	-0.38	-186.31	
2,097.00	2.23	48.23	2,096.74	-7.81	-21.14	6.81	1.84	1.84	2.26	
2,191.00	3.68	40.66	2,190.61	-4.30	-17.81	3.46	1.59	1.54	-8.05	
2,285.00	4.86	36.46	2,284.35	1.19	-13.48	-1.82	1.30	1.26	-4.47	
2,380.00	6.26	35.05	2,378.90	8.67	-8.11	-9.04	1.48	1.47	-1.48	

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Com	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

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)
2,474.00	7.12	37.64	2,472.26	17.48	-1.61	-17.53	0.97	0.91	2.76
2,568.00	6.97	37.29	2,565.55	26.63	5.40	-26.35	0.17	-0.16	-0.37
2,663.00	6.76	38.89	2,659.87	35.57	12.41	-34.95	0.30	-0.22	1.68
2,757.00	6.45	39.31	2,753.24	43.96	19.22	-43.01	0.33	-0.33	0.45
2,851.00	5.97	41.08	2,846.69	51.73	25.78	-50.47	0.55	-0.51	1.88
2,946.00	5.87	37.08	2,941.18	59.33	31.96	-57.77	0.45	-0.11	-4.21
3,040.00	5.76	36.11	3,034.70	66.97	37.63	-65.14	0.16	-0.12	-1.03
3,134.00	5.49	37.55	3,128.25	74.35	43.16	-72.25	0.32	-0.29	1.53
3,229.00	5.78	38.81	3,222.79	81.68	48.92	-79.30	0.33	0.31	1.33
3,323.00	5.96	43.15	3,316.30	88.93	55.23	-86.25	0.51	0.19	4.62
3,418.00	6.63	42.93	3,410.72	96.54	62.34	-93.52	0.71	0.71	-0.23
3,512.00	7.25	42.79	3,504.03	104.87	70.06	-101.48	0.66	0.66	-0.15
3,606.00	7.35	45.04	3,597.27	113.47	78.34	-109.68	0.32	0.11	2.39
3,701.00	7.27	38.38	3,691.50	122.48	86.38	-118.30	0.90	-0.08	-7.01
3,795.00	7.31	32.57	3,784.74	132.18	93.29	-127.67	0.79	0.04	-6.18
3,889.00	6.43	38.10	3,878.07	141.36	99.76	-136.54	1.17	-0.94	5.88
3,984.00	5.67	35.00	3,972.54	149.39	105.73	-144.28	0.87	-0.80	-3.26
4,078.00	4.88	33.93	4,066.14	156.51	110.63	-151.17	0.85	-0.84	-1.14
4,172.00	4.20	32.72	4,159.85	162.72	114.72	-157.18	0.73	-0.72	-1.29
4,267.00	4.46	38.41	4,254.57	168.55	118.89	-162.80	0.53	0.27	5.99
4,361.00	5.87	43.32	4,348.19	174.91	124.46	-168.90	1.57	1.50	5.22
4,456.00	7.84	34.44	4,442.51	183.79	131.46	-177.44	2.35	2.07	-9.35
4,550.00	8.75	29.58	4,535.53	195.29	138.62	-188.60	1.22	0.97	-5.17
4,645.00	7.88	29.84	4,629.53	207.23	145.42	-200.20	0.92	-0.92	0.27
4,739.00	7.42	30.37	4,722.69	218.05	151.70	-210.72	0.50	-0.49	0.56
4,833.00	7.08	31.55	4,815.94	228.22	157.80	-220.60	0.39	-0.36	1.26
4,928.00	6.71	32.86	4,910.25	237.88	163.87	-229.95	0.42	-0.39	1.38
5,022.00	6.33	33.52	5,003.64	246.81	169.71	-238.60	0.41	-0.40	0.70
5,117.00	6.12	32.72	5,098.08	255.44	175.34	-246.96	0.24	-0.22	-0.84
5,211.00	5.54	33.14	5,191.60	263.45	180.53	-254.72	0.62	-0.62	0.45
5,305.00	5.13	34.37	5,285.19	270.72	185.39	-261.75	0.45	-0.44	1.31
5,386.00	4.75	35.30	5,365.89	276.45	189.37	-267.29	0.48	-0.47	1.15
5,484.00	4.33	40.42	5,463.58	282.57	194.11	-273.19	0.60	-0.43	5.22
5,578.00	5.58	27.24	5,557.23	289.34	198.50	-279.74	1.79	1.33	-14.02
5,673.00	5.77	23.56	5,651.77	297.82	202.53	-288.03	0.43	0.20	-3.87
5,767.00	6.84	28.95	5,745.20	307.05	207.13	-297.03	1.30	1.14	5.73
5,861.00	6.01	27.96	5,838.60	316.30	212.14	-306.03	0.89	-0.88	-1.05
5,955.00	5.81	28.29	5,932.11	324.83	216.70	-314.35	0.22	-0.21	0.35
6,050.00	6.48	33.85	6,026.56	333.52	221.97	-322.78	0.94	0.71	5.85
6,144.00	5.90	33.70	6,120.01	341.94	227.60	-330.93	0.62	-0.62	-0.16
6,238.00	5.95	32.90	6,213.51	350.05	232.93	-338.78	0.10	0.05	-0.85
6,333.00	5.89	29.85	6,308.00	358.42	238.03	-346.89	0.34	-0.06	-3.21
6,427.00	6.29	31.56	6,401.47	366.99	243.13	-355.22	0.47	0.43	1.82

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Corn	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

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)
6,521.00	7.27	37.98	6,494.81	376.06	249.48	-363.99	1.32	1.04	6.83
6,616.00	7.16	39.34	6,589.06	385.38	256.94	-372.95	0.21	-0.12	1.43
6,710.00	7.05	38.05	6,682.34	394.45	264.20	-381.67	0.21	-0.12	-1.37
6,805.00	6.98	38.10	6,776.63	403.59	271.36	-390.46	0.07	-0.07	0.05
6,899.00	6.75	36.10	6,869.96	412.55	278.14	-399.09	0.35	-0.24	-2.13
6,994.00	6.64	35.72	6,964.31	421.52	284.64	-407.75	0.12	-0.12	-0.40
7,088.00	6.25	34.94	7,057.71	430.12	290.74	-416.06	0.43	-0.41	-0.83
7,182.00	6.01	35.30	7,151.18	438.33	296.51	-423.99	0.26	-0.26	0.38
7,277.00	5.73	35.31	7,245.68	446.26	302.13	-431.65	0.29	-0.29	0.01
7,371.00	5.40	35.23	7,339.23	453.70	307.39	-438.83	0.35	-0.35	-0.09
7,465.00	4.42	32.24	7,432.89	460.38	311.88	-445.29	1.08	-1.04	-3.18
7,560.00	3.59	30.62	7,527.66	466.04	315.34	-450.78	0.88	-0.87	-1.71
7,654.00	3.42	33.73	7,621.48	470.90	318.40	-455.50	0.27	-0.18	3.31
7,749.00	3.10	32.59	7,716.33	475.42	321.36	-459.88	0.34	-0.34	-1.20
7,843.00	2.93	25.56	7,810.20	479.73	323.76	-464.07	0.43	-0.18	-7.48
7,938.00	3.13	24.63	7,905.06	484.28	325.89	-468.51	0.22	0.21	-0.98
8,032.00	3.19	20.55	7,998.92	489.06	327.88	-473.20	0.25	0.06	-4.34
8,126.00	2.88	13.51	8,092.79	493.81	329.35	-477.87	0.52	-0.33	-7.49
8,220.00	2.62	5.95	8,186.68	498.24	330.12	-482.26	0.47	-0.28	-8.04
8,314.00	2.68	359.38	8,280.58	502.57	330.32	-486.58	0.33	0.06	-6.99
8,409.00	2.18	14.21	8,375.50	506.55	330.74	-490.53	0.84	-0.53	15.61
8,503.00	1.11	52.11	8,469.46	508.84	331.90	-492.76	1.57	-1.14	40.32
8,597.00	0.60	87.83	8,563.45	509.42	333.11	-493.28	0.76	-0.54	38.00
8,691.00	0.25	97.21	8,657.45	509.41	333.80	-493.24	0.38	-0.37	9.98
8,786.00	0.32	198.27	8,752.45	509.13	333.93	-492.96	0.47	0.07	106.38
8,880.00	0.29	261.05	8,846.44	508.84	333.61	-492.69	0.34	-0.03	66.79
8,974.00	0.82	151.81	8,940.44	508.21	333.69	-492.06	1.02	0.56	-116.21
9,068.00	1.97	176.21	9,034.41	506.01	334.12	-489.83	1.35	1.22	25.96
9,101.00	2.28	179.67	9,067.39	504.79	334.16	-488.61	1.02	0.94	10.48
9,193.00	6.90	172.99	9,159.07	497.47	334.84	-481.27	5.05	5.02	-7.26
9,240.00	13.96	170.44	9,205.26	489.07	336.13	-472.81	15.05	15.02	-5.43
9,288.00	11.10	166.83	9,252.12	478.85	338.15	-462.52	6.17	-5.96	-7.52
9,335.00	17.29	176.47	9,297.67	467.47	339.61	-451.07	14.05	13.17	20.51
9,382.00	22.91	181.45	9,341.79	451.33	339.81	-434.95	12.49	11.96	10.60
9,429.00	28.48	182.80	9,384.12	430.98	339.03	-414.66	11.92	11.85	2.87
9,476.00	32.11	182.37	9,424.70	407.30	337.96	-391.05	7.74	7.72	-0.91
9,523.00	36.48	179.73	9,463.52	380.83	337.51	-364.64	9.82	9.30	-5.62
9,571.00	41.11	178.50	9,500.92	350.77	337.99	-334.59	9.78	9.65	-2.56
9,618.00	47.65	176.94	9,534.50	317.95	339.33	-301.73	14.11	13.91	-3.32
9,665.00	52.75	177.10	9,564.57	281.90	341.20	-265.64	10.85	10.85	0.34
9,712.00	55.08	177.48	9,592.25	243.96	342.99	-227.66	5.00	4.96	0.81
9,760.00	58.31	177.23	9,618.61	203.89	344.85	-187.55	6.74	6.73	-0.52
9,807.00	61.72	177.63	9,642.09	163.23	346.67	-146.84	7.29	7.26	0.85
9,854.00	64.04	177.60	9,663.52	121.44	348.41	-105.01	4.94	4.94	-0.06

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Com	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

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)
9,901.00	67.06	178.48	9,682.97	78.68	349.87	-62.24	6.65	6.43	1.87
9,949.00	72.14	180.28	9,699.69	33.71	350.34	-17.29	11.15	10.58	3.75
9,996.00	76.05	180.25	9,712.57	-11.48	350.14	27.84	8.32	8.32	-0.06
10,043.00	79.10	179.53	9,722.68	-57.37	350.23	73.69	6.66	6.49	-1.53
10,090.00	82.75	180.46	9,730.10	-103.78	350.23	120.04	8.01	7.77	1.98
10,138.00	88.12	181.85	9,733.91	-151.60	349.26	167.76	11.55	11.19	2.90
10,232.00	89.30	181.12	9,736.03	-245.54	346.83	261.49	1.48	1.26	-0.78
10,295.00	89.65	181.03	9,736.61	-308.52	345.64	324.35	0.57	0.56	-0.14
10,390.00	90.10	181.14	9,736.82	-403.51	343.84	419.14	0.49	0.47	0.12
10,484.00	90.02	180.25	9,736.72	-497.50	342.70	512.98	0.95	-0.09	-0.95
10,578.00	89.13	178.54	9,737.41	-591.49	343.70	606.91	2.05	-0.95	-1.82
10,673.00	89.39	178.48	9,738.64	-686.45	346.17	701.88	0.28	0.27	-0.06
10,767.00	90.01	178.98	9,739.13	-780.42	348.25	795.85	0.85	0.66	0.53
10,862.00	90.47	179.80	9,738.74	-875.41	349.26	890.79	0.99	0.48	0.86
10,956.00	90.53	180.32	9,737.91	-969.41	349.16	984.68	0.56	0.06	0.55
11,051.00	90.38	180.61	9,737.16	-1,064.40	348.39	1,079.53	0.34	-0.16	0.31
11,145.00	90.35	181.33	9,736.56	-1,158.39	346.80	1,173.34	0.77	-0.03	0.77
11,239.00	90.32	181.76	9,736.01	-1,252.35	344.27	1,267.08	0.46	-0.03	0.46
11,334.00	90.16	182.36	9,735.61	-1,347.29	340.85	1,361.75	0.65	-0.17	0.63
11,428.00	90.29	182.47	9,735.25	-1,441.20	336.89	1,455.38	0.18	0.14	0.12
11,522.00	90.45	182.88	9,734.64	-1,535.10	332.50	1,548.97	0.47	0.17	0.44
11,617.00	90.30	182.65	9,734.02	-1,629.99	327.92	1,643.54	0.29	-0.16	-0.24
11,711.00	90.35	182.23	9,733.48	-1,723.90	323.92	1,737.16	0.45	0.05	-0.45
11,806.00	90.45	181.43	9,732.82	-1,818.85	320.89	1,831.86	0.85	0.11	-0.84
11,901.00	90.69	181.11	9,731.87	-1,913.82	318.78	1,926.63	0.42	0.25	-0.34
11,995.00	90.55	180.44	9,730.86	-2,007.81	317.51	2,020.46	0.73	-0.15	-0.71
12,089.00	90.47	179.82	9,730.02	-2,101.80	317.30	2,114.34	0.67	-0.09	-0.66
12,183.00	90.58	179.33	9,729.16	-2,195.79	317.99	2,208.26	0.53	0.12	-0.52
12,278.00	90.32	179.20	9,728.41	-2,290.78	319.21	2,303.20	0.31	-0.27	-0.14
12,372.00	89.90	178.51	9,728.23	-2,384.76	321.09	2,397.17	0.86	-0.45	-0.73
12,467.00	90.45	178.68	9,727.94	-2,479.73	323.42	2,492.14	0.61	0.58	0.18
12,561.00	89.95	177.76	9,727.61	-2,573.69	326.34	2,586.13	1.11	-0.53	-0.98
12,656.00	90.01	177.88	9,727.65	-2,668.62	329.95	2,681.13	0.14	0.06	0.13
12,750.00	89.93	178.06	9,727.70	-2,762.56	333.28	2,775.12	0.21	-0.09	0.19
12,845.00	90.16	179.06	9,727.62	-2,857.53	335.67	2,870.10	1.08	0.24	1.05
12,939.00	89.78	179.13	9,727.67	-2,951.52	337.15	2,964.05	0.41	-0.40	0.07
13,034.00	90.18	179.14	9,727.70	-3,046.51	338.59	3,059.00	0.42	0.42	0.01
13,128.00	89.44	178.88	9,728.02	-3,140.49	340.21	3,152.96	0.83	-0.79	-0.28
13,222.00	89.47	178.87	9,728.91	-3,234.47	342.06	3,246.92	0.03	0.03	-0.01
13,316.00	89.67	178.51	9,729.62	-3,328.44	344.21	3,340.89	0.44	0.21	-0.38
13,410.00	89.73	178.24	9,730.11	-3,422.40	346.87	3,434.88	0.29	0.06	-0.29
13,504.00	89.35	178.27	9,730.86	-3,516.35	349.74	3,528.86	0.41	-0.40	0.03
13,598.00	90.01	179.34	9,731.39	-3,610.33	351.70	3,622.83	1.34	0.70	1.14

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Com	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

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)
13,692.00	88.50	179.60	9,732.61	-3,704.32	352.57	3,716.75	1.63	-1.61	0.28
13,786.00	88.88	180.40	9,734.76	-3,798.29	352.57	3,810.62	0.94	0.40	0.85
13,880.00	88.36	180.36	9,737.02	-3,892.26	351.94	3,904.46	0.55	-0.55	-0.04
13,974.00	88.96	180.06	9,739.22	-3,986.23	351.60	3,998.31	0.71	0.64	-0.32
14,069.00	89.27	180.13	9,740.69	-4,081.22	351.44	4,093.19	0.33	0.33	0.07
14,163.00	88.71	180.34	9,742.35	-4,175.21	351.05	4,187.05	0.64	-0.60	0.22
14,258.00	89.05	180.56	9,744.20	-4,270.19	350.31	4,281.89	0.43	0.36	0.23
14,352.00	88.87	181.06	9,745.91	-4,364.16	348.98	4,375.70	0.57	-0.19	0.53
14,446.00	88.70	181.48	9,747.90	-4,458.12	346.90	4,469.46	0.48	-0.18	0.45
14,540.00	89.04	181.94	9,749.76	-4,552.05	344.09	4,563.17	0.61	0.36	0.49
14,635.00	88.93	181.80	9,751.44	-4,646.99	340.99	4,657.85	0.19	-0.12	-0.15
14,729.00	89.59	183.21	9,752.65	-4,740.89	336.88	4,751.46	1.66	0.70	1.50
14,823.00	88.90	183.93	9,753.89	-4,834.70	331.03	4,844.89	1.06	-0.73	0.77
14,917.00	88.62	182.47	9,755.93	-4,928.53	325.79	4,938.37	1.58	-0.30	-1.55
15,011.00	89.01	180.99	9,757.87	-5,022.46	322.95	5,032.07	1.63	0.41	-1.57
15,105.00	89.21	180.44	9,759.33	-5,116.44	321.78	5,125.89	0.62	0.21	-0.59
15,200.00	88.99	180.07	9,760.82	-5,211.43	321.35	5,220.75	0.45	-0.23	-0.39
15,294.00	88.04	179.57	9,763.26	-5,305.39	321.65	5,314.63	1.14	-1.01	-0.53
15,388.00	89.04	178.96	9,765.65	-5,399.35	322.85	5,408.55	1.25	1.06	-0.65
15,482.00	88.30	178.92	9,767.83	-5,493.31	324.59	5,502.48	0.79	-0.79	-0.04
15,576.00	89.04	178.63	9,770.02	-5,587.27	326.60	5,596.43	0.85	0.79	-0.31
15,670.00	89.01	178.49	9,771.62	-5,681.22	328.96	5,690.39	0.15	-0.03	-0.15
15,764.00	88.91	178.40	9,773.32	-5,775.17	331.51	5,784.36	0.14	-0.11	-0.10
15,859.00	89.07	178.32	9,775.00	-5,870.12	334.23	5,879.33	0.19	0.17	-0.08
15,953.00	88.96	177.82	9,776.61	-5,964.05	337.40	5,973.30	0.54	-0.12	-0.53
16,047.00	88.45	178.15	9,778.74	-6,057.97	340.70	6,067.27	0.65	-0.54	0.35
16,142.00	88.54	178.48	9,781.23	-6,152.89	343.49	6,162.23	0.36	0.09	0.35
16,236.00	89.04	179.48	9,783.22	-6,246.86	345.17	6,256.16	1.19	0.53	1.06
16,330.00	88.33	180.00	9,785.37	-6,340.83	345.59	6,350.05	0.94	-0.76	0.55
16,424.00	88.59	180.34	9,787.90	-6,434.80	345.32	6,443.90	0.46	0.28	0.36
16,518.00	88.54	181.25	9,790.25	-6,528.76	344.01	6,537.70	0.97	-0.05	0.97
16,612.00	88.74	181.85	9,792.49	-6,622.69	341.47	6,631.42	0.67	0.21	0.64
16,706.00	88.82	182.05	9,794.49	-6,716.62	338.27	6,725.09	0.23	0.09	0.21
16,801.00	88.76	181.43	9,796.49	-6,811.55	335.39	6,819.79	0.66	-0.06	-0.65
16,895.00	88.50	181.08	9,798.74	-6,905.50	333.33	6,913.54	0.46	-0.28	-0.37
16,989.00	88.33	180.16	9,801.34	-6,999.46	332.31	7,007.34	0.99	-0.18	-0.98
17,083.00	88.59	179.26	9,803.87	-7,093.43	332.79	7,101.23	1.00	0.28	-0.96
17,180.00	88.94	178.96	9,805.96	-7,190.39	334.29	7,198.16	0.48	0.36	-0.31
Final Phoenix MWD Survey									
17,217.00	88.94	178.96	9,806.64	-7,227.38	334.97	7,235.14	0.00	0.00	0.00
Projection to TD									

Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 302H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3392.50usft (H&P 618)
Site:	Duck Hunt 1 State Com	MD Reference:	RKB @ 3392.50usft (H&P 618)
Well:	302H	North Reference:	True
Wellbore:	OH / 65515	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (H&P 618)	Database:	USA Compass

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,821.00	1,820.78	-8.68	-21.77	Tie In
1,908.00	1,907.77	-9.07	-22.64	First Phoenix MWD Survey
17,180.00	9,805.96	-7,190.39	334.29	Final Phoenix MWD Survey
17,217.00	9,806.65	-7,227.38	334.96	Projection to TD