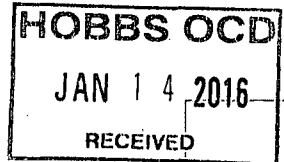


3002542058



EOG Resources

Lea County, NM (NAD27 NME)

Dragon 36 State

#705H

OH

Design: OH

Regulatory Report (Grid North)

05 October, 2015

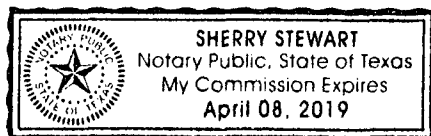
This survey is correct to the best of my knowledge and is supported by actual field data.

A handwritten signature in cursive script, appearing to read "Kelly H.", written over a horizontal line.

Notarized this date 5th of October, 2015.

A handwritten signature in cursive script, appearing to read "Sherry Stewart", written over a horizontal line.

Notary Signature
County of Midland
State of Texas



FEB 05 2016

Regulatory Report (Grid North)

Company:	EOG Resources	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland District

Project	Lea County, NM (NAD27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Dragon 36 State			
Site Position:		Northing:	425,505.00 usft	Latitude: 32° 10' 2.263 N
From: Map		Easting:	747,822.00 usft	Longitude: 103° 31' 56.812 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.43 °

Well	#705H			
Well Position	+N/-S	0.00 usft	Northing:	425,505.00 usft
	+E/-W	0.00 usft	Easting:	747,822.00 usft
Position Uncertainty:	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,492.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/7/2015	7.13	60.04	48,099

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 (bearing)
	0.00	0.00	0.00	4.66

Survey Program	Date 8/31/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
202.00	17,367.00	SDI MWD (OH)	SDI-MWD	MWD - Scientific Drilling

Survey								
MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
202.00	0.70	146.10	201.99	-1.02	0.69	146.10	1.23	
262.00	0.70	148.00	261.99	-1.64	1.09	146.45	1.97	
321.00	0.50	149.30	320.99	-2.17	1.41	146.95	2.58	
381.00	0.70	172.80	380.98	-2.75	1.59	150.03	3.18	
442.00	0.70	167.20	441.98	-3.49	1.72	153.78	3.89	
505.00	1.10	179.20	504.97	-4.47	1.81	157.93	4.82	
596.00	1.10	192.50	595.95	-6.19	1.63	165.21	6.41	
687.00	1.10	191.10	686.94	-7.90	1.28	170.82	8.01	
779.00	1.20	195.00	778.92	-9.70	0.86	174.94	9.74	
871.00	1.40	186.50	870.90	-11.75	0.48	177.65	11.76	
966.00	1.80	193.90	965.86	-14.35	-0.01	180.03	14.35	

Regulatory Report (Grid North)

Company:	EOG Resources	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	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)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)
1,155.00	0.90	212.70	1,154.81	-18.48	-1.52	184.71	18.54
1,198.00	0.70	235.90	1,197.80	-18.91	-1.92	185.81	19.01
1,344.00	0.81	246.05	1,343.79	-19.83	-3.60	190.30	20.16
1,438.00	0.97	232.40	1,437.78	-20.59	-4.84	193.24	21.15
1,532.00	0.46	176.30	1,531.77	-21.45	-5.45	194.25	22.13
1,626.00	0.60	144.38	1,625.77	-22.22	-5.14	193.02	22.81
1,721.00	1.63	110.87	1,720.75	-23.11	-3.58	188.82	23.39
1,814.00	2.99	105.19	1,813.67	-24.22	-0.01	180.02	24.22
1,909.00	3.35	105.26	1,908.53	-25.60	5.06	168.82	26.09
2,003.00	3.02	104.72	2,002.38	-26.95	10.11	159.44	28.78
2,097.00	2.81	102.23	2,096.26	-28.07	14.75	152.27	31.71
2,191.00	2.57	97.49	2,190.15	-28.83	19.09	146.48	34.58
2,286.00	2.48	95.82	2,285.06	-29.31	23.25	141.58	37.42
2,379.00	2.14	91.09	2,377.99	-29.55	26.99	137.60	40.02
2,473.00	3.48	87.63	2,471.87	-29.47	31.59	133.01	43.20
2,568.00	3.65	87.26	2,566.69	-29.20	37.49	127.91	47.53
2,662.00	4.43	87.03	2,660.45	-28.87	44.11	123.21	52.72
2,756.00	5.62	92.64	2,754.09	-28.90	52.33	118.91	59.78
2,850.00	5.78	94.62	2,847.63	-29.49	61.65	115.56	68.34
2,944.00	5.59	93.44	2,941.16	-30.15	70.94	113.02	77.08
3,038.00	5.65	90.28	3,034.71	-30.44	80.13	110.80	85.72
3,132.00	5.93	97.23	3,128.23	-31.08	89.58	109.13	94.82
3,225.00	6.05	107.52	3,220.73	-33.16	99.02	108.51	104.42
3,318.00	6.27	108.86	3,313.19	-36.27	108.50	108.49	114.40
3,412.00	6.18	108.60	3,406.64	-39.55	118.15	108.51	124.59
3,506.00	5.98	108.62	3,500.11	-42.72	127.59	108.51	134.55
3,600.00	6.60	113.45	3,593.54	-46.44	137.18	108.70	144.83
3,694.00	6.59	112.93	3,686.92	-50.69	147.10	109.01	155.59
3,788.00	6.27	112.44	3,780.33	-54.75	156.82	109.25	166.10
3,883.00	7.55	117.69	3,874.64	-59.63	167.14	109.63	177.46
3,977.00	7.43	119.66	3,967.84	-65.51	177.89	110.22	189.57
4,071.00	6.83	122.09	4,061.11	-71.48	187.91	110.83	201.04
4,165.00	6.59	123.47	4,154.47	-77.43	197.14	111.44	211.80
4,352.00	5.29	121.73	4,340.46	-87.88	213.42	112.38	230.81
4,446.00	5.76	112.19	4,434.02	-91.94	221.48	112.54	239.80
4,541.00	7.52	113.88	4,528.38	-96.26	231.58	112.57	250.79
4,635.00	8.37	114.20	4,621.48	-101.55	243.44	112.64	263.77
4,730.00	7.56	115.72	4,715.56	-107.10	255.38	112.75	276.93
4,824.00	7.79	117.54	4,808.72	-112.73	266.60	112.92	289.45
4,918.00	8.21	117.93	4,901.80	-118.82	278.18	113.13	302.49
5,013.00	7.92	118.41	4,995.87	-125.11	289.93	113.34	315.77
5,107.00	6.89	101.44	5,089.09	-129.31	301.15	113.24	327.74
5,201.00	6.30	102.02	5,182.47	-131.50	311.72	112.87	338.32
5,295.00	5.85	101.74	5,275.94	-133.55	321.46	112.56	348.09

Regulatory Report (Grid North)

Company:	EOG Resources	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	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)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)
5,390.00	5.46	101.89	5,370.48	-135.47	330.62	112.28	357.30
5,484.00	5.40	102.78	5,464.06	-137.37	339.31	112.04	366.06
5,578.00	5.25	103.20	5,557.65	-139.33	347.81	111.83	374.68
5,673.00	4.93	100.32	5,652.28	-141.05	356.06	111.61	382.98
5,767.00	5.17	104.06	5,745.91	-142.80	364.14	111.41	391.14
5,860.00	4.92	107.65	5,838.55	-145.03	372.00	111.30	399.28
5,954.00	4.70	107.08	5,932.22	-147.38	379.53	111.22	407.14
6,048.00	4.54	102.83	6,025.91	-149.34	386.84	111.11	414.66
6,143.00	4.20	105.23	6,120.64	-151.09	393.86	110.99	421.84
6,237.00	3.53	106.21	6,214.42	-152.80	399.96	110.91	428.15
6,331.00	3.40	107.40	6,308.25	-154.44	405.40	110.86	433.82
6,425.00	3.12	102.44	6,402.10	-155.83	410.55	110.78	439.13
6,519.00	2.70	104.73	6,495.98	-156.94	415.19	110.71	443.87
6,614.00	2.49	103.74	6,590.88	-158.00	419.36	110.64	448.14
6,708.00	2.46	102.88	6,684.79	-158.94	423.31	110.58	452.17
6,802.00	2.34	102.91	6,778.71	-159.81	427.15	110.51	456.07
6,896.00	2.25	100.50	6,872.64	-160.58	430.83	110.44	459.79
6,990.00	2.08	98.09	6,966.57	-161.16	434.34	110.36	463.27
7,084.00	1.73	102.71	7,060.52	-161.71	437.41	110.29	466.34
7,179.00	0.91	117.12	7,155.49	-162.37	439.48	110.28	468.52
7,273.00	0.88	142.05	7,249.48	-163.28	440.59	110.33	469.87
7,367.00	0.97	140.99	7,343.47	-164.46	441.53	110.43	471.17
7,460.00	0.60	169.94	7,436.46	-165.55	442.11	110.53	472.10
7,555.00	0.47	154.19	7,531.46	-166.40	442.37	110.61	472.63
7,649.00	0.45	140.81	7,625.45	-167.03	442.77	110.67	473.23
7,742.00	0.77	153.12	7,718.45	-167.87	443.29	110.74	474.01
7,837.00	0.63	155.54	7,813.44	-168.91	443.79	110.84	474.85
7,931.00	0.93	150.25	7,907.43	-170.05	444.38	110.94	475.81
8,025.00	0.74	137.82	8,001.42	-171.16	445.17	111.03	476.94
8,120.00	0.72	148.87	8,096.41	-172.12	445.89	111.11	477.96
8,201.00	0.64	153.97	8,177.41	-172.97	446.35	111.18	478.69
8,295.00	0.62	144.08	8,271.40	-173.85	446.88	111.26	479.51
8,483.00	0.84	141.59	8,459.39	-175.75	448.33	111.41	481.55
8,578.00	0.81	156.37	8,554.38	-176.91	449.03	111.50	482.63
8,672.00	0.70	161.17	8,648.37	-178.07	449.49	111.61	483.47
8,767.00	0.64	166.03	8,743.36	-179.13	449.80	111.71	484.16
8,861.00	0.67	179.16	8,837.36	-180.19	449.94	111.83	484.68
8,956.00	0.64	182.94	8,932.35	-181.27	449.92	111.94	485.06
9,050.00	0.40	223.52	9,026.35	-182.04	449.66	112.04	485.11
9,144.00	0.29	208.33	9,120.34	-182.48	449.33	112.10	484.97
9,238.00	0.31	213.27	9,214.34	-182.91	449.07	112.16	484.89
9,333.00	0.42	192.47	9,309.34	-183.46	448.86	112.23	484.90
9,427.00	0.10	256.68	9,403.34	-183.82	448.70	112.28	484.89
9,521.00	0.31	4.14	9,497.34	-183.58	448.64	112.25	484.75

Regulatory Report (Grid North)

Company:	EOG Resources	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	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)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)
9,614.00	0.53	298.25	9,590.34	-183.13	448.28	112.22	484.24
9,709.00	1.05	266.18	9,685.33	-182.98	447.03	112.26	483.02
9,803.00	1.08	263.20	9,779.31	-183.14	445.29	112.36	481.48
9,896.00	1.04	259.60	9,872.30	-183.40	443.59	112.46	480.00
9,990.00	1.35	268.06	9,966.28	-183.59	441.64	112.57	478.28
10,085.00	1.10	288.47	10,061.25	-183.34	439.66	112.64	476.35
10,179.00	0.99	317.69	10,155.24	-182.45	438.25	112.60	474.72
10,273.00	0.74	313.46	10,249.23	-181.43	437.27	112.53	473.41
10,367.00	0.69	303.35	10,343.22	-180.70	436.35	112.50	472.29
10,462.00	0.66	355.14	10,438.22	-179.84	435.83	112.42	471.48
10,520.00	0.78	17.80	10,496.21	-179.13	435.92	112.34	471.29
10,572.00	1.09	348.26	10,548.20	-178.31	435.93	112.25	470.99
10,666.00	1.27	335.73	10,642.18	-176.49	435.32	112.07	469.73
10,760.00	1.20	335.38	10,736.16	-174.64	434.48	111.90	468.27
10,853.00	0.97	302.30	10,829.15	-173.34	433.41	111.80	466.79
10,948.00	0.69	297.11	10,924.14	-172.65	432.22	111.77	465.43
11,042.00	0.95	286.80	11,018.13	-172.16	430.97	111.78	464.09
11,136.00	0.65	303.70	11,112.12	-171.64	429.78	111.77	462.79
11,231.00	1.09	304.53	11,207.11	-170.83	428.59	111.73	461.38
11,325.00	0.57	251.91	11,301.10	-170.47	427.41	111.74	460.15
11,419.00	0.50	252.55	11,395.09	-170.74	426.57	111.81	459.47
11,513.00	0.58	264.65	11,489.09	-170.91	425.71	111.87	458.73
11,608.00	0.27	221.99	11,584.09	-171.12	425.08	111.93	458.23
11,702.00	0.21	278.60	11,678.09	-171.26	424.76	111.96	457.98
11,797.00	0.10	42.02	11,773.09	-171.17	424.64	111.95	457.84
11,891.00	0.64	9.65	11,867.08	-170.59	424.79	111.88	457.76
11,984.00	0.34	0.47	11,960.08	-169.80	424.88	111.78	457.55
12,016.00	0.44	351.20	11,992.08	-169.59	424.86	111.76	457.45
12,079.00	1.90	347.93	12,055.07	-168.33	424.60	111.62	456.75
12,126.00	9.16	350.31	12,101.82	-163.87	423.81	111.14	454.39
12,172.00	13.00	345.07	12,146.95	-155.26	421.86	110.21	449.52
12,219.00	17.05	343.66	12,192.33	-143.53	418.56	108.93	442.48
12,266.00	20.73	344.25	12,236.80	-128.91	414.36	107.28	433.95
12,313.00	26.58	347.65	12,279.83	-110.62	409.85	105.10	424.51
12,360.00	30.15	349.82	12,321.18	-88.72	405.51	102.34	415.10
12,407.00	33.74	350.88	12,361.06	-64.21	401.35	99.09	406.46
12,454.00	37.04	350.17	12,399.37	-37.36	396.87	95.38	398.62
12,501.00	42.49	347.92	12,435.48	-7.87	391.12	91.15	391.20
12,548.00	52.16	351.71	12,467.31	26.10	385.11	86.12	386.00
12,595.00	62.97	357.68	12,492.50	65.53	381.58	80.26	387.16
12,634.00	73.28	359.73	12,507.01	101.66	380.78	75.05	394.12
12,681.00	79.78	1.13	12,517.95	147.34	381.13	68.86	408.62
12,728.00	82.80	1.68	12,525.07	193.78	382.27	63.12	428.58
12,775.00	86.13	1.17	12,529.60	240.54	383.44	57.90	452.64
12,807.00	87.41	0.93	12,531.40	272.48	384.02	54.64	470.87

Regulatory Report (Grid North)

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Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	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)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)
12,838.00	88.96	0.63	12,532.39	303.46	384.44	51.71	489.78
12,869.00	89.46	1.37	12,532.81	334.45	384.98	49.02	509.97
12,900.00	88.72	4.07	12,533.31	365.41	386.45	46.60	531.86
12,932.00	87.71	5.69	12,534.30	397.28	389.17	44.41	556.14
12,963.00	86.94	4.83	12,535.75	428.11	392.01	42.48	580.48
12,994.00	86.06	4.58	12,537.64	458.95	394.55	40.69	605.23
13,025.00	86.88	4.08	12,539.55	489.80	396.89	39.02	630.42
13,057.00	87.72	4.53	12,541.06	521.68	399.29	37.43	656.95
13,088.00	88.86	5.12	12,541.98	552.55	401.89	36.03	683.25
13,119.00	90.37	3.98	12,542.19	583.45	404.35	34.72	709.87
13,153.00	92.04	4.08	12,541.48	617.36	406.74	33.38	739.31
13,245.00	92.25	3.97	12,538.03	709.07	413.19	30.23	820.68
13,339.00	88.23	2.21	12,537.64	802.91	418.26	27.52	905.32
13,434.00	93.40	2.97	12,536.29	897.77	422.55	25.20	992.24
13,528.00	94.04	358.61	12,530.19	991.54	423.84	23.14	1,078.33
13,622.00	87.71	358.50	12,528.75	1,085.45	421.48	21.22	1,164.41
13,717.00	88.42	356.57	12,531.96	1,180.30	417.39	19.48	1,251.93
13,818.00	91.98	354.70	12,531.61	1,280.99	409.71	17.74	1,344.91
13,975.00	95.65	356.49	12,521.16	1,437.15	397.67	15.47	1,491.15
14,101.00	95.22	359.45	12,509.23	1,562.49	393.23	14.13	1,611.21
14,195.00	90.84	2.49	12,504.26	1,656.31	394.82	13.41	1,702.71
14,321.00	88.76	1.69	12,504.70	1,782.21	399.42	12.63	1,826.42
14,384.00	90.07	2.84	12,505.34	1,845.16	401.91	12.29	1,888.42
14,479.00	90.77	1.04	12,504.64	1,940.10	405.12	11.79	1,981.94
14,573.00	89.13	359.55	12,504.73	2,034.09	405.61	11.28	2,074.14
14,667.00	91.65	0.61	12,504.09	2,128.08	405.74	10.79	2,166.41
14,761.00	91.11	1.24	12,501.82	2,222.04	407.26	10.39	2,259.05
14,856.00	91.41	0.70	12,499.73	2,317.00	408.86	10.01	2,352.80
14,950.00	90.24	359.57	12,498.38	2,410.99	409.09	9.63	2,445.45
15,044.00	92.11	1.47	12,496.45	2,504.96	409.94	9.29	2,538.28
15,138.00	88.02	3.26	12,496.35	2,598.85	413.82	9.05	2,631.59
15,233.00	92.42	3.02	12,495.98	2,693.69	419.02	8.84	2,726.08
15,327.00	92.89	359.86	12,491.63	2,787.54	421.38	8.60	2,819.21
15,421.00	93.19	358.64	12,486.64	2,881.40	420.15	8.30	2,911.87
15,516.00	90.84	358.21	12,483.30	2,976.30	417.54	7.99	3,005.44
15,610.00	89.66	356.08	12,482.89	3,070.17	412.86	7.66	3,097.81
15,704.00	90.03	358.01	12,483.14	3,164.04	408.01	7.35	3,190.24
15,798.00	91.61	359.60	12,481.80	3,258.01	406.05	7.10	3,283.22
15,892.00	86.51	0.74	12,483.34	3,351.96	406.33	6.91	3,376.50
15,986.00	90.03	359.46	12,486.18	3,445.90	406.49	6.73	3,469.80
16,081.00	91.78	358.84	12,484.68	3,540.88	405.09	6.53	3,563.97
16,175.00	90.91	358.30	12,482.47	3,634.82	402.74	6.32	3,657.06
16,269.00	89.13	357.48	12,482.44	3,728.75	399.28	6.11	3,750.07
16,363.00	94.97	358.09	12,479.08	3,822.58	395.65	5.91	3,843.00

Regulatory Report (Grid North)

Company:	EOG Resources	Local Co-ordinate Reference:	Well #705H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	KB=25' @ 3517.00usft (H&P 260)
Site:	Dragon 36 State	MD Reference:	KB=25' @ 3517.00usft (H&P 260)
Well:	#705H	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)	N/S (usft)	E/W (usft)	Closure Azimuth (bearing)	Closure Distance (usft)
16,551.00	90.00	357.86	12,470.93	4,010.23	389.01	5.54	4,029.05
16,646.00	86.40	357.86	12,473.91	4,105.10	385.47	5.36	4,123.16
16,740.00	87.05	357.61	12,479.28	4,198.87	381.76	5.20	4,216.19
16,834.00	87.85	357.84	12,483.46	4,292.70	378.03	5.03	4,309.32
16,929.00	87.11	357.68	12,487.64	4,387.54	374.32	4.88	4,403.48
17,023.00	91.81	358.59	12,488.53	4,481.46	371.26	4.74	4,496.81
17,117.00	87.99	356.71	12,488.69	4,575.36	367.41	4.59	4,590.08
17,211.00	87.72	353.68	12,492.21	4,668.95	359.54	4.40	4,682.77
17,305.00	89.33	353.57	12,494.63	4,762.33	349.11	4.19	4,775.11
Final MWD Survey (MD=17305')							
17,367.00	89.33	353.57	12,495.36	4,823.94	342.17	4.06	4,836.06
Final Projection to Bit (MD=17367')							

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,305.00	12,494.63	4,762.33	349.11	Final MWD Survey (MD=17305')
17,367.00	12,495.36	4,823.94	342.17	Final Projection to Bit (MD=17367')

Checked By: _____ Approved By: _____ Date: _____