



B.P.

La Plata County, CO NAD83

Ford Pad

Ford H1

OH

Design: OH

Standard Survey Report

08 January, 2016



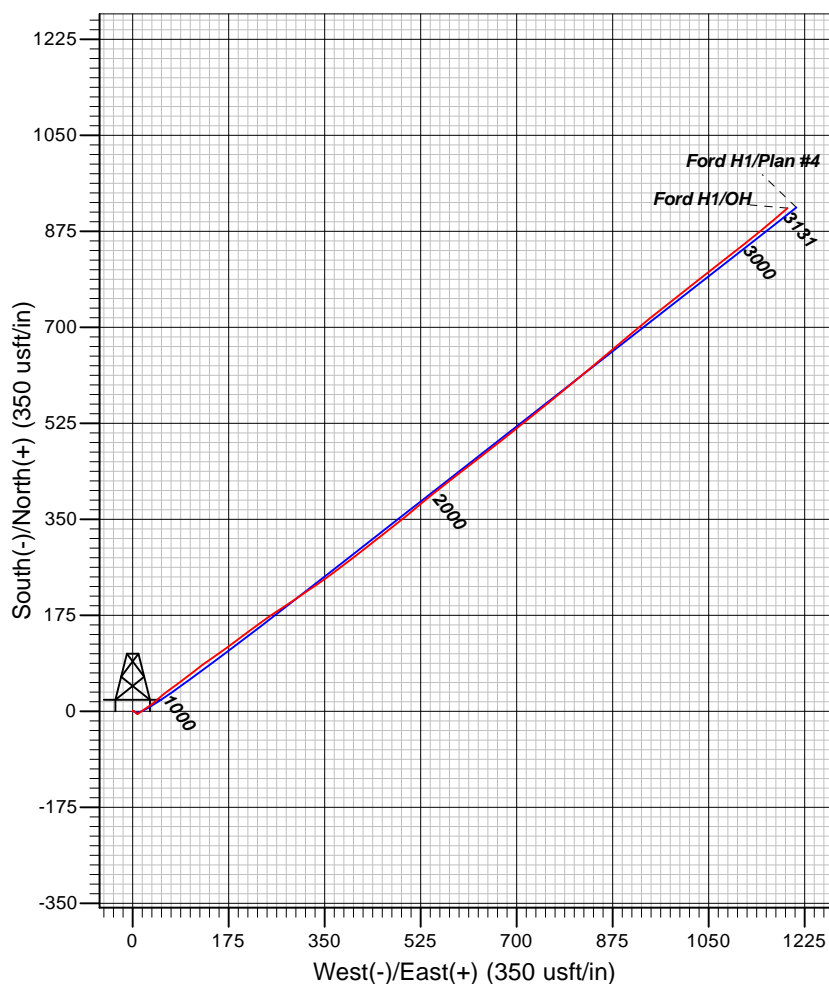
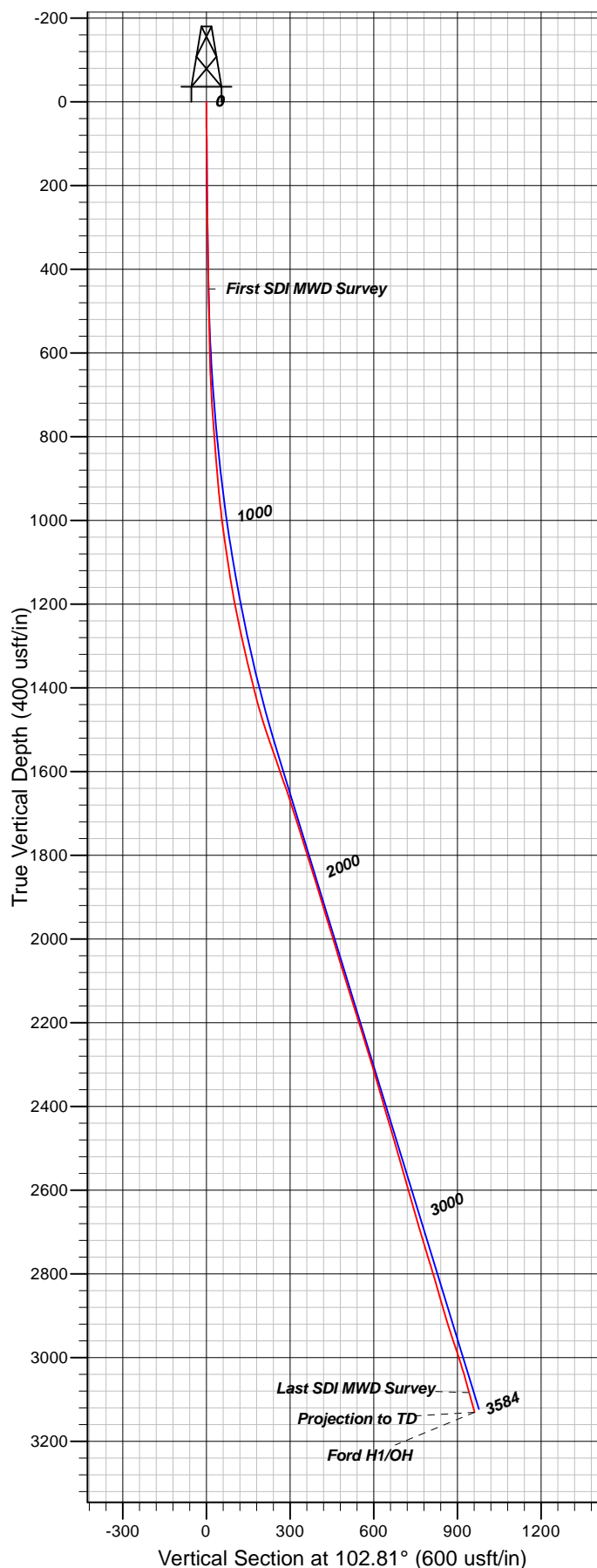
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Company: B.P.
Project: La Plata County, CO NAD83
Site: Ford Pad
Well: Ford H1
Wellbore: OH
Design: OH



Well Details: Ford H1

TVD Reference: GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)	Level: 6702.10	Slot			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1173140.32	2356283.14	37.1212727	-107.7079325

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Ford H1, Grid North
Vertical (TVD) Reference: GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Calculation Method: Minimum Curvature

PROJECT DETAILS: La Plata County, CO NAD83

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Southern Zone

System Datum: Mean Sea Level

Plan: OH

10:59, January 08 2016
Created By: Janie Collins



Survey Report



Company:	B.P.	Local Co-ordinate Reference:	Well Ford H1
Project:	La Plata County, CO NAD83	TVD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Site:	Ford Pad	MD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Well:	Ford H1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	La Plata County, CO NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site	Ford Pad			
Site Position:		Northing:	1,173,140.32 usft	Latitude: 37.1212727
From: Map		Easting:	2,356,283.14 usft	Longitude: -107.7079326
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence: -1.35 °

Well	Ford H1			
Well Position	+N/-S	0.00 usft	Northing:	1,173,140.32 usft
	+E/-W	0.00 usft	Easting:	2,356,283.14 usft
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft
			Ground Level:	6,702.10 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	1/6/2016	9.27	63.70	50,273

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	102.81

Survey Program	Date	1/8/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
30.00	350.00	Survey #1 - Gyro Survey (OH)	Gyro		
447.00	3,584.00	Survey #2 - MWD Survey (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30.00	0.61	201.08	30.00	-0.15	-0.06	-0.02	2.03	2.03	0.00	
60.00	0.70	48.24	60.00	-0.18	0.02	0.06	4.25	0.30	-509.47	
90.00	0.80	52.80	90.00	0.07	0.33	0.30	0.39	0.33	15.20	
120.00	0.78	66.18	119.99	0.28	0.68	0.60	0.62	-0.07	44.60	
150.00	0.71	75.34	149.99	0.41	1.05	0.93	0.46	-0.23	30.53	
180.00	0.72	91.29	179.99	0.45	1.41	1.28	0.66	0.03	53.17	
210.00	0.86	106.33	209.99	0.39	1.82	1.69	0.83	0.47	50.13	



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Project:	La Plata County, CO NAD83	TVD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Site:	Ford Pad	MD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Well:	Ford H1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

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)	
240.00	1.04	112.33	239.98	0.22	2.29	2.18	0.68	0.60	20.00	
270.00	1.10	119.14	269.98	-0.02	2.79	2.73	0.47	0.20	22.70	
300.00	1.13	124.06	299.97	-0.33	3.29	3.28	0.33	0.10	16.40	
330.00	1.33	123.91	329.96	-0.69	3.82	3.88	0.67	0.67	-0.50	
350.00	1.63	121.46	349.96	-0.97	4.26	4.36	1.53	1.50	-12.25	
447.00	1.94	141.76	446.91	-2.98	6.45	6.95	0.72	0.32	20.93	
First SDI MWD Survey										
477.00	2.06	136.12	476.89	-3.76	7.14	7.79	0.77	0.40	-18.80	
507.00	1.80	122.27	506.88	-4.40	7.91	8.69	1.77	-0.87	-46.17	
538.00	1.92	88.83	537.86	-4.65	8.84	9.65	3.47	0.39	-107.87	
568.00	2.42	62.03	567.84	-4.35	9.90	10.62	3.72	1.67	-89.33	
599.00	3.45	57.03	598.80	-3.53	11.26	11.76	3.42	3.32	-16.13	
630.00	4.50	56.02	629.72	-2.34	13.05	13.25	3.39	3.39	-3.26	
661.00	5.37	52.16	660.61	-0.78	15.21	15.00	3.00	2.81	-12.45	
692.00	6.25	52.27	691.45	1.15	17.69	16.99	2.84	2.84	0.35	
722.00	7.29	54.07	721.24	3.26	20.52	19.29	3.54	3.47	6.00	
752.00	8.44	58.44	750.96	5.53	23.94	22.12	4.32	3.83	14.57	
783.00	9.38	56.52	781.58	8.12	27.98	25.49	3.18	3.03	-6.19	
814.00	10.28	54.62	812.13	11.11	32.35	29.08	3.09	2.90	-6.13	
844.00	10.92	51.63	841.62	14.43	36.76	32.64	2.81	2.13	-9.97	
875.00	11.48	49.39	872.02	18.26	41.40	36.32	2.29	1.81	-7.23	
906.00	12.41	48.60	902.35	22.47	46.24	40.11	3.05	3.00	-2.55	
937.00	13.24	50.16	932.58	26.94	51.47	44.21	2.90	2.68	5.03	
967.00	14.42	51.10	961.71	31.49	57.01	48.61	4.00	3.93	3.13	
999.00	15.88	52.39	992.60	36.67	63.58	53.87	4.68	4.56	4.03	
1,030.00	17.10	53.79	1,022.32	41.95	70.62	59.56	4.14	3.94	4.52	
1,061.00	17.84	54.49	1,051.89	47.40	78.16	65.71	2.48	2.39	2.26	
1,092.00	18.83	54.21	1,081.32	53.08	86.08	72.17	3.21	3.19	-0.90	
1,123.00	19.90	52.27	1,110.56	59.24	94.32	78.83	4.03	3.45	-6.26	
1,154.00	21.12	52.12	1,139.60	65.89	102.90	85.73	3.94	3.94	-0.48	
1,185.00	22.51	51.49	1,168.38	73.02	111.95	92.97	4.55	4.48	-2.03	
1,216.00	23.47	52.68	1,196.91	80.46	121.50	100.64	3.44	3.10	3.84	
1,247.00	24.69	54.61	1,225.22	87.95	131.69	108.91	4.68	3.94	6.23	
1,279.00	25.43	55.22	1,254.20	95.74	142.78	118.00	2.45	2.31	1.91	
1,310.00	26.24	54.60	1,282.11	103.51	153.83	127.06	2.75	2.61	-2.00	
1,342.00	27.20	54.25	1,310.69	111.88	165.54	136.61	3.04	3.00	-1.09	
1,373.00	28.15	54.51	1,338.14	120.26	177.24	146.17	3.09	3.06	0.84	
1,405.00	29.23	53.92	1,366.21	129.25	189.70	156.32	3.49	3.38	-1.84	
1,436.00	30.54	52.99	1,393.09	138.44	202.11	166.38	4.48	4.23	-3.00	
1,467.00	31.32	53.22	1,419.68	148.01	214.85	176.69	2.54	2.52	0.74	
1,498.00	32.23	53.14	1,446.03	157.79	227.92	187.26	2.94	2.94	-0.26	
1,561.00	36.22	56.66	1,498.12	178.11	256.93	211.04	7.07	6.33	5.59	



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Well:	Ford H1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

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)
1,592.00	37.09	56.49	1,522.99	188.30	272.37	223.84	2.83	2.81	-0.55
1,623.00	36.94	55.79	1,547.74	198.70	287.87	236.65	1.44	-0.48	-2.26
1,654.00	36.48	55.99	1,572.59	209.09	303.21	249.30	1.53	-1.48	0.65
1,686.00	37.39	55.53	1,598.17	219.91	319.11	262.40	2.97	2.84	-1.44
1,717.00	37.90	55.79	1,622.72	230.59	334.74	275.28	1.72	1.65	0.84
1,748.00	37.72	54.91	1,647.21	241.40	350.37	288.13	1.83	-0.58	-2.84
1,779.00	36.56	52.96	1,671.92	252.41	365.50	300.44	5.33	-3.74	-6.29
1,809.00	36.62	52.86	1,696.01	263.20	379.77	311.96	0.28	0.20	-0.33
1,841.00	36.93	52.42	1,721.64	274.82	395.00	324.23	1.27	0.97	-1.38
1,873.00	37.22	53.28	1,747.17	286.47	410.37	336.64	1.86	0.91	2.69
1,904.00	37.12	51.83	1,771.88	297.86	425.24	348.62	2.84	-0.32	-4.68
1,935.00	36.87	51.53	1,796.63	309.43	439.88	360.32	0.99	-0.81	-0.97
1,967.00	36.75	51.33	1,822.25	321.38	454.87	372.29	0.53	-0.38	-0.63
1,998.00	36.42	51.34	1,847.15	332.92	469.29	383.80	1.06	-1.06	0.03
2,029.00	36.32	51.39	1,872.11	344.40	483.65	395.26	0.34	-0.32	0.16
2,061.00	35.84	51.06	1,897.97	356.20	498.35	406.97	1.62	-1.50	-1.03
2,092.00	36.20	50.60	1,923.04	367.72	512.48	418.19	1.45	1.16	-1.48
2,124.00	37.22	51.24	1,948.70	379.77	527.33	430.00	3.40	3.19	2.00
2,155.00	36.70	51.23	1,973.47	391.44	541.86	441.58	1.68	-1.68	-0.03
2,187.00	36.20	50.94	1,999.21	403.39	556.65	453.36	1.65	-1.56	-0.91
2,218.00	35.84	50.77	2,024.28	414.90	570.79	464.60	1.21	-1.16	-0.55
2,249.00	35.92	51.44	2,049.40	426.30	584.93	475.85	1.29	0.26	2.16
2,281.00	36.64	52.57	2,075.19	437.96	599.86	487.82	3.07	2.25	3.53
2,312.00	36.75	53.11	2,100.05	449.15	614.62	499.74	1.10	0.35	1.74
2,344.00	36.29	52.90	2,125.77	460.61	629.83	512.03	1.49	-1.44	-0.66
2,375.00	36.61	52.50	2,150.70	471.77	644.48	523.84	1.29	1.03	-1.29
2,406.00	36.94	51.60	2,175.53	483.18	659.11	535.58	2.04	1.06	-2.90
2,437.00	36.44	51.55	2,200.39	494.69	673.62	547.17	1.62	-1.61	-0.16
2,469.00	35.79	51.05	2,226.24	506.48	688.34	558.91	2.23	-2.03	-1.56
2,500.00	36.25	51.17	2,251.32	517.93	702.53	570.21	1.50	1.48	0.39
2,531.00	36.41	51.44	2,276.29	529.41	716.87	581.64	0.73	0.52	0.87
2,562.00	36.19	51.29	2,301.27	540.87	731.20	593.08	0.77	-0.71	-0.48
2,594.00	35.64	51.02	2,327.19	552.64	745.82	604.73	1.79	-1.72	-0.84
2,625.00	35.44	50.45	2,352.42	564.05	759.77	615.80	1.25	-0.65	-1.84
2,657.00	35.97	50.40	2,378.40	575.94	774.17	627.20	1.66	1.66	-0.16
2,689.00	36.33	49.79	2,404.24	588.05	788.65	638.64	1.59	1.13	-1.91
2,720.00	36.45	50.66	2,429.20	599.82	802.78	649.81	1.71	0.39	2.81
2,751.00	36.23	51.19	2,454.17	611.40	817.04	661.15	1.24	-0.71	1.71
2,783.00	35.26	50.60	2,480.14	623.19	831.55	672.68	3.22	-3.03	-1.84
2,814.00	35.01	49.28	2,505.49	634.67	845.20	683.45	2.58	-0.81	-4.26
2,846.00	35.27	49.79	2,531.66	646.62	859.22	694.46	1.23	0.81	1.59
2,877.00	35.02	49.78	2,557.01	658.15	872.84	705.20	0.81	-0.81	-0.03



Company:	B.P.	Local Co-ordinate Reference:	Well Ford H1
Project:	La Plata County, CO NAD83	TVD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Site:	Ford Pad	MD Reference:	GL 6702.10' & RKB 11' @ 6713.10usft (Aztec 507)
Well:	Ford H1	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

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)	
2,908.00	35.18	49.75	2,582.37	669.66	886.45	715.91	0.52	0.52	-0.10	
2,939.00	35.44	50.19	2,607.67	681.18	900.17	726.74	1.17	0.84	1.42	
2,970.00	36.31	50.44	2,632.79	692.78	914.15	737.80	2.85	2.81	0.81	
3,002.00	35.45	50.79	2,658.71	704.68	928.65	749.29	2.76	-2.69	1.09	
3,033.00	34.28	50.80	2,684.15	715.89	942.38	760.20	3.77	-3.77	0.03	
3,064.00	35.51	50.93	2,709.57	727.08	956.14	771.13	3.97	3.97	0.42	
3,095.00	36.34	51.65	2,734.68	738.45	970.33	782.45	3.00	2.68	2.32	
3,127.00	36.21	52.13	2,760.48	750.14	985.23	794.38	0.98	-0.41	1.50	
3,157.00	35.85	51.87	2,784.74	761.00	999.13	805.53	1.30	-1.20	-0.87	
3,188.00	34.66	52.09	2,810.05	772.02	1,013.23	816.84	3.86	-3.84	0.71	
3,220.00	33.98	51.77	2,836.48	783.15	1,027.43	828.22	2.20	-2.13	-1.00	
3,251.00	34.32	52.24	2,862.13	793.86	1,041.14	839.22	1.39	1.10	1.52	
3,282.00	34.85	51.83	2,887.66	804.68	1,055.02	850.34	1.87	1.71	-1.32	
3,313.00	36.29	51.34	2,912.87	815.89	1,069.15	861.64	4.74	4.65	-1.58	
3,344.00	37.74	52.00	2,937.62	827.46	1,083.79	873.35	4.85	4.68	2.13	
3,376.00	38.79	51.71	2,962.75	839.70	1,099.37	885.83	3.33	3.28	-0.91	
3,407.00	38.54	51.86	2,986.95	851.68	1,114.59	898.01	0.86	-0.81	0.48	
3,438.00	38.10	50.95	3,011.27	863.67	1,129.61	910.00	2.31	-1.42	-2.94	
3,470.00	36.06	50.25	3,036.80	875.92	1,144.52	921.83	6.51	-6.38	-2.19	
3,527.00	34.15	49.82	3,083.43	896.97	1,169.64	941.66	3.38	-3.35	-0.75	
Last SDI MWD Survey										
3,584.00	34.15	49.82	3,130.60	917.61	1,194.09	960.92	0.00	0.00	0.00	
Projection to TD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
447.00	446.91	-2.98	6.45	First SDI MWD Survey	
3,527.00	3,083.43	896.97	1,169.64	Last SDI MWD Survey	
3,584.00	3,130.60	917.61	1,194.09	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____



JOB NO.:	330116DEF337808	Report Time:	2400	1 of 5
COMPANY:	B.P.	API JOB #	05-067-09956	
LOCATION:	Ford Pad	WORK ORDER#	337808	
RIG NAME:	Aztec 507	FIELD:	San Juan Basin	
STATE:	Colorado	Township:	33N	
COUNTY:	La Plata	SECT\	10	8W
WELL NAME:	Ford H1			

From Monday, January 04, 2016 at 0000 to Monday, January 04, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	0.00	Rotary Hours	0.00	WOB	0	Pick UP	0	Slack Off	0	SPM	
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0 - 0	0	
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data							
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type				PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	0	GAS	0	YP	0	BHT°	0
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0
PERSONNEL				cASING					BHA		
Lead Directional :	Mark Houston			Size	Lb/ft	Set Depth		N/A			
Second Directional :	David Hensley			8 5/8	24	402					
MWD Operator1	Jim Blosser			Signature:							
MWD Operator2	Mike Willms										
Directional Company:	SDI										
Geologist:											
Company Man:	Mike Colbert										
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
4-Jan-16	00:00	24:00	24.00	0	0	Other	Attend Pre Spud Meeting



JOB NO.:	330116DEF337808	Report Time:	2400	2 of 5
COMPANY:	B.P.	API JOB #	05-067-09956	
LOCATION:	Ford Pad	WORK ORDER#	337808	
RIG NAME:	Aztec 507	FIELD:	San Juan Basin	
STATE:	Colorado	Township:	33N	
COUNTY:	La Plata	SECT\	10	8W
WELL NAME:	Ford H1			

From Tuesday, January 05, 2016 at 0000 to Tuesday, January 05, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters								
Start Depth	0.00	Rotary Hours	0.00	WOB	0	Pick UP	0	Slack Off	0	SPM		
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0-0	0		
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data								
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type				PV	0	SOLID	0	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	0	GAS	0	YP	0	BHT°	0	
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	0	SAND	0	PH	0	Flow T°	0	
Below Rotary Hrs.	20.00	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0	
PERSONNEL				cASING					BHA			
Lead Directional :	Mark Houston			Size	Lb/ft	Set Depth		N/A				
Second Directional :	David Hensley			8 5/8	24	402						
MWD Operator1	Jim Blosser			Signature:								
MWD Operator2	Mike Willms											
Directional Company:	SDI											
Geologist:												
Company Man:	Mike Colbert											
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0					

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-Jan-16	00:00	20:00	20.00	0	0	Other	Move in rig up
5-Jan-16	20:00	24:00	4.00	0	0	N/U BOPS	N/U BOPS



JOB NO.:	330116DEF337808	Report Time:	2400	3 of 5
COMPANY:	B.P.	API JOB #	05-067-09956	
LOCATION:	Ford Pad	WORK ORDER#	337808	
RIG NAME:	Aztec 507	FIELD:	San Juan Basin	
STATE:	Colorado	Township:	33N	
COUNTY:	La Plata	SECT\	10	8W
WELL NAME:	Ford H1			

From Wednesday, January 06, 2016 at 0000 to Wednesday, January 06, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	419.00	Rotary Hours	4.60	WOB	15	Pick UP	25	Slack Off	22	SPM	
End Depth	1975.00	Circulating Hours	1.17	RAB	23	SPP	1400	FlowRate	0 - 480	220	
Total Drilled:	1556.00	Avg. Total ROP:	206.55	Mud Data							
Total Rotary Drilled:	1112.00	Avg. Rotary ROP:	241.74	Type	water base			PV	7	SOLID	1.7
Total Drilled Sliding:	444.00	Avg. Slide ROP:	151.36	Weight	8.55	GAS	11	YP	14	BHT°	84
Slide Hours:	2.93	Percent Rotary:	71.47	Viscosity	36	SAND	0.05	PH	9.5	Flow T°	70
Below Rotary Hrs.	16.25	Percent Slide:	28.53	Chlorides	500	WL	8			Oil %	0
PERSONNEL				cASING					BHA		
Lead Directional :	Mark Houston			Size	Lb/ft	Set Depth		BHA # 1:SEC MM55 5X12, 6 1/2 3.3 7:8 1.5 FBH, HANG OFF, NMPC, NMDC, GAP SUB, NMDC,			
Second Directional :	David Hensley			8 5/8	24	402					
MWD Operator1	Jim Blosser			Signature:							
MWD Operator2	Mike Willms										
Directional Company:	SDI										
Geologist:											
Company Man:	Mike Colbert										
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-Jan-16	00:00	07:45	7.75	0	0	N/U BOPS	N/U BOPS & TEST
6-Jan-16	07:45	09:15	1.50	0	0	Change BHA	Change BHA Made up BHA #1 (tested motor good)
6-Jan-16	09:15	10:30	1.25	0	0	TIH	TIH
6-Jan-16	10:30	11:00	0.50	0	0	Rig repair	Rig repair (pipe boom)
6-Jan-16	11:00	11:30	0.50	0	0	TIH	TIH T/393'
6-Jan-16	11:30	12:40	1.17	0	0	Circulating	Drilled out Float @393' Shoe @416'
6-Jan-16	12:40	13:18	0.63	419	473	Drilling	Rotated F/419' T/473'
6-Jan-16	13:18	13:27	0.15	473	473	Rig repair	Rig repair work on pason
6-Jan-16	13:27	13:30	0.05	473	473	Survey & Conn.	Survey & Conn.@447' Inc 1.94° Azm 141.76°
6-Jan-16	13:30	13:34	0.07	473	504	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	13:34	13:37	0.05	504	504	Survey & Conn.	Survey & Conn.@447' Inc 1.94° Azm 141.76°
6-Jan-16	13:37	13:44	0.12	504	512	Sliding	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	13:44	13:48	0.07	512	534	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	13:48	13:51	0.05	534	534	Survey & Conn.	Survey & Conn.@477' Inc 2.06° Azm 136.12°
6-Jan-16	13:51	13:55	0.07	534	543	Sliding	Sliding - (WOB:15;GPM :347;TFO:51M)
6-Jan-16	13:55	13:58	0.05	543	564	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	13:58	14:01	0.05	564	564	Survey & Conn.	Survey & Conn.@507' Inc 1.8° Azm 122.27°
6-Jan-16	14:01	14:07	0.10	564	571	Sliding	Sliding - (WOB:15;GPM :347;TFO:51M)
6-Jan-16	14:07	14:11	0.07	571	595	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	14:11	14:14	0.05	595	595	Survey & Conn.	Survey & Conn.@538' Inc 1.92° Azm 88.83°
6-Jan-16	14:14	14:17	0.05	595	604	Sliding	Sliding - (WOB:15;GPM :347;TFO:51M)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-Jan-16	14:17	14:20	0.05	604	625	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	14:20	14:23	0.05	625	625	Survey & Conn.	Survey & Conn.@568' Inc 2.42° Azm 62.03°
6-Jan-16	14:23	14:26	0.05	625	633	Sliding	Sliding - (WOB:15;GPM :480;TFO:51M)
6-Jan-16	14:26	14:30	0.07	633	656	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	14:30	14:33	0.05	656	656	Survey & Conn.	Survey & Conn.@599' Inc 3.45° Azm 57.03°
6-Jan-16	14:33	14:36	0.05	656	665	Sliding	Sliding - (WOB:15;GPM :480;TFO:51M)
6-Jan-16	14:36	14:40	0.07	665	687	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	14:40	14:43	0.05	687	687	Survey & Conn.	Survey & Conn.@630' Inc 4.5° Azm 56.02°
6-Jan-16	14:43	14:46	0.05	687	696	Sliding	Sliding - (WOB:15;GPM :480;TFO:51M)
6-Jan-16	14:46	14:52	0.10	696	718	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	14:52	14:55	0.05	718	718	Survey & Conn.	Survey & Conn.@661' Inc 5.37° Azm 52.16°
6-Jan-16	14:55	15:03	0.13	718	727	Sliding	Sliding - (WOB:15;GPM :480;TFO:51M)(Change over to HS tool face
6-Jan-16	15:03	15:07	0.07	727	749	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	15:07	15:10	0.05	749	749	Survey & Conn.	Survey & Conn.@692' Inc 6.25° Azm 52.27°
6-Jan-16	15:10	15:15	0.08	749	759	Sliding	Sliding - (WOB:15;GPM :480;TFO:HS)
6-Jan-16	15:15	15:19	0.07	759	779	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	15:19	15:22	0.05	779	779	Survey & Conn.	Survey & Conn.@722' Inc 7.29° Azm 54.07°
6-Jan-16	15:22	15:25	0.05	779	788	Sliding	Sliding - (WOB:15;GPM :480;TFO:HS)
6-Jan-16	15:25	15:30	0.08	788	809	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	15:30	15:33	0.05	809	809	Survey & Conn.	Survey & Conn.@752' Inc 8.44° Azm 58.44°
6-Jan-16	15:33	15:37	0.07	809	817	Sliding	Sliding - (WOB:15;GPM :480;TFO:HS)
6-Jan-16	15:37	15:40	0.05	817	840	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	15:40	15:43	0.05	840	840	Survey & Conn.	Survey & Conn.@783' Inc 9.38° Azm 56.52°
6-Jan-16	15:43	15:47	0.07	840	849	Sliding	Sliding - (WOB:15;GPM :480;TFO:15L)
6-Jan-16	15:47	15:51	0.07	849	871	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	15:51	15:54	0.05	871	871	Survey & Conn.	Survey & Conn.@814' Inc 10.28° Azm 54.62°
6-Jan-16	15:54	15:57	0.05	871	880	Sliding	Sliding - (WOB:15;GPM :480;TFO:15L)
6-Jan-16	15:57	16:00	0.05	880	901	Drilling	Drilling - (WOB:15;GPM :0;RPM:60)
6-Jan-16	16:00	16:03	0.05	901	901	Survey & Conn.	Survey & Conn.@844' Inc 10.92° Azm 51.63°
6-Jan-16	16:03	16:09	0.10	901	901	Rig repair	Rig repair(work on pump)
6-Jan-16	16:09	16:12	0.05	901	910	Sliding	Sliding - (WOB:15;GPM :480;TFO:10L))
6-Jan-16	16:12	16:17	0.08	910	932	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	16:17	16:20	0.05	932	932	Survey & Conn.	Survey & Conn.@875' Inc 11.48° Azm 49.39°
6-Jan-16	16:20	16:25	0.08	932	944	Sliding	Sliding - (WOB:15; :480;TFO:360))
6-Jan-16	16:25	16:29	0.07	944	963	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	16:29	16:32	0.05	963	963	Survey & Conn.	Survey & Conn.@906' Inc 12.41° Azm 48.6°
6-Jan-16	16:32	16:35	0.05	963	975	Sliding	Sliding - (WOB:15; :480;TFO:15R)
6-Jan-16	16:35	16:38	0.05	975	994	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	16:38	16:41	0.05	994	994	Survey & Conn.	Survey & Conn.@937' Inc 13.24° Azm 50.16°
6-Jan-16	16:41	16:45	0.07	994	1006	Sliding	Sliding - (WOB:15; :480;TFO:15R)
6-Jan-16	16:45	16:50	0.08	1006	1024	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	16:50	17:00	0.17	1024	1024	Survey & Conn.	Survey & Conn.@967' Inc 14.42° Azm 51.1°
6-Jan-16	17:00	17:05	0.08	1024	1035	Sliding	Sliding - (WOB:15; :480;TFO:15R)
6-Jan-16	17:05	17:10	0.08	1035	1056	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	17:10	17:15	0.08	1056	1056	Survey & Conn.	Survey & Conn.@999' Inc 15.88° Azm 52.39°
6-Jan-16	17:15	17:20	0.08	1056	1068	Sliding	Sliding - (WOB:15; :480;TFO:15R)
6-Jan-16	17:20	17:25	0.08	1068	1087	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	17:25	17:30	0.08	1087	1087	Survey & Conn.	Survey & Conn.@1030' Inc 17.1° Azm 53.79°
6-Jan-16	17:30	17:35	0.08	1087	1098	Sliding	Sliding - (WOB:15; :480;TFO:15R)
6-Jan-16	17:35	17:38	0.05	1098	1118	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	17:38	17:40	0.03	1118	1118	Survey & Conn.	Survey & Conn.@1061' Inc 17.84° Azm 54.49°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-Jan-16	17:40	17:43	0.05	1118	1130	Sliding	Sliding - (WOB:15; :480;TFO:360))
6-Jan-16	17:43	17:46	0.05	1130	1149	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	17:46	17:50	0.07	1149	1149	Survey & Conn.	Survey & Conn.@1092' Inc 18.83° Azm 54.21°
6-Jan-16	17:50	17:54	0.07	1149	1161	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	17:54	17:57	0.05	1161	1180	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	17:57	18:00	0.05	1180	1180	Survey & Conn.	Survey & Conn.@1123' Inc 19.9° Azm 52.27°
6-Jan-16	18:00	18:03	0.05	1180	1192	Sliding	Sliding - (WOB:15; :480;TFO:360))
6-Jan-16	18:03	18:06	0.05	1192	1211	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	18:06	18:10	0.07	1211	1211	Survey & Conn.	Survey & Conn.@1154' Inc 21.12° Azm 52.12°
6-Jan-16	18:10	18:15	0.08	1211	1223	Sliding	Sliding - (WOB:15; :480;TFO:15))
6-Jan-16	18:25	18:30	0.08	1242	1254	Sliding	Sliding - (WOB:15; :480;TFO:30))
6-Jan-16	18:30	18:35	0.08	1254	1273	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	18:35	18:40	0.08	1273	1273	Survey & Conn.	Survey & Conn.@1216' Inc 23.47° Azm 52.68°
6-Jan-16	18:40	18:43	0.05	1273	1285	Sliding	Sliding - (WOB:15; :480;TFO:30))
6-Jan-16	18:43	18:47	0.07	1285	1304	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	18:47	18:50	0.05	1304	1304	Survey & Conn.	Survey & Conn.@1247' Inc 24.69° Azm 54.61°
6-Jan-16	18:50	18:55	0.08	1304	1316	Sliding	Sliding - (WOB:15; :480;TFO:20))
6-Jan-16	18:55	19:00	0.08	1316	1336	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	19:00	19:05	0.08	1336	1336	Survey & Conn.	Survey & Conn.@1279' Inc 25.43° Azm 55.22°
6-Jan-16	19:05	19:10	0.08	1336	1348	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	19:10	19:13	0.05	1348	1367	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	19:13	19:15	0.03	1367	1367	Survey & Conn.	Survey & Conn.@1310' Inc 26.24° Azm 54.6°
6-Jan-16	19:15	19:20	0.08	1367	1381	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	19:20	19:25	0.08	1381	1399	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	19:25	19:30	0.08	1399	1399	Survey & Conn.	Survey & Conn.@1342' Inc 27.2° Azm 54.25°
6-Jan-16	19:30	19:35	0.08	1399	1415	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	19:35	19:40	0.08	1415	1430	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	19:40	19:45	0.08	1430	1430	Survey & Conn.	Survey & Conn.@1373' Inc 28.15° Azm 54.51°
6-Jan-16	19:45	19:50	0.08	1430	1445	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	19:50	19:55	0.08	1445	1462	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	19:55	20:00	0.08	1462	1462	Survey & Conn.	Survey & Conn.@1405' Inc 29.23° Azm 53.92°
6-Jan-16	20:00	20:04	0.07	1462	1477	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	20:04	20:07	0.05	1477	1493	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	20:07	20:10	0.05	1493	1493	Survey & Conn.	Survey & Conn.@1436' Inc 30.54° Azm 52.99°
6-Jan-16	20:10	20:15	0.08	1493	1508	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	20:15	20:20	0.08	1508	1524	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	20:20	20:25	0.08	1524	1524	Survey & Conn.	Survey & Conn.@1467' Inc 31.32° Azm 53.22°
6-Jan-16	20:25	20:30	0.08	1524	1539	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	20:30	20:35	0.08	1539	1555	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	20:35	20:40	0.08	1555	1555	Survey & Conn.	Survey & Conn.@1498' Inc 32.23° Azm 53.14°
6-Jan-16	20:40	20:47	0.12	1555	1571	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	20:47	20:55	0.13	1571	1586	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	20:55	21:05	0.17	1586	1586	Survey & Conn.	Survey & Conn.@1498' Inc 32.23° Azm 53.14°
6-Jan-16	21:05	21:08	0.05	1586	1591	Sliding	Sliding - (WOB:15; :480;TFO:360)
6-Jan-16	21:08	21:15	0.12	1591	1618	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	21:15	21:20	0.08	1618	1618	Survey & Conn.	Survey & Conn.@1561' Inc 36.22° Azm 56.66°
6-Jan-16	21:20	21:23	0.05	1618	1624	Sliding	Sliding - (WOB:15; :0;TFO:0))
6-Jan-16	21:23	21:27	0.07	1624	1649	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	21:27	21:30	0.05	1649	1649	Survey & Conn.	Survey & Conn.@1592' Inc 37.09° Azm 56.49°
6-Jan-16	21:30	21:40	0.17	1649	1680	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	21:40	21:45	0.08	1680	1680	Survey & Conn.	Survey & Conn.@1623' Inc 36.94° Azm 55.79°

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-Jan-16	21:45	21:50	0.08	1680	1695	Sliding	Sliding - (WOB:15; :0;TFO:-90))
6-Jan-16	21:50	21:55	0.08	1695	1711	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	21:55	22:00	0.08	1711	1711	Survey & Conn.	Survey & Conn.@1654' Inc 36.48° Azm 55.99°
6-Jan-16	22:00	22:10	0.17	1711	1711	Other	Work on pump
6-Jan-16	22:10	22:15	0.08	1711	1743	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	22:15	22:20	0.08	1743	1743	Survey & Conn.	Survey & Conn.@1686' Inc 37.39° Azm 55.53°
6-Jan-16	22:20	22:25	0.08	1743	1774	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	22:25	22:30	0.08	1774	1774	Survey & Conn.	Survey & Conn.@1717' Inc 37.9° Azm 55.79°
6-Jan-16	22:30	22:35	0.08	1774	1786	Sliding	Sliding - (WOB:15; :0;TFO:-90))
6-Jan-16	22:35	22:40	0.08	1786	1805	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	22:40	22:45	0.08	1805	1805	Survey & Conn.	Survey & Conn.@1748' Inc 37.72° Azm 54.91°
6-Jan-16	22:45	23:00	0.25	1805	1836	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	23:00	23:05	0.08	1836	1836	Survey & Conn.	Survey & Conn.@1779' Inc 36.56° Azm 52.96°
6-Jan-16	23:05	23:10	0.08	1836	1848	Sliding	Sliding - (WOB:15; :0;TFO:360))
6-Jan-16	23:10	23:15	0.08	1848	1866	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	23:15	23:20	0.08	1866	1866	Survey & Conn.	Survey & Conn.@1809' Inc 36.62° Azm 52.86°
6-Jan-16	23:20	23:25	0.08	1866	1898	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	23:25	23:30	0.08	1898	1898	Survey & Conn.	Survey & Conn.@1841' Inc 36.93° Azm 52.42°
6-Jan-16	23:30	23:40	0.17	1898	1930	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	23:40	23:45	0.08	1930	1930	Survey & Conn.	Survey & Conn.@1873' Inc 37.22° Azm 53.28°
6-Jan-16	23:45	23:50	0.08	1930	1961	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	23:50	23:55	0.08	1961	1961	Survey & Conn.	Survey & Conn.@1904' Inc 37.12° Azm 51.83°
6-Jan-16	23:55	24:00	0.08	1961	1975	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	18:15	18:20	0.08	1223	1242	Drilling	Drilling - (WOB:15; :0;RPM:60)
6-Jan-16	18:20	18:25	0.08	1242	1242	Survey & Conn.	Survey & Conn.@1185' Inc 22.51° Azm 51.49°



JOB NO.:	330116DEF337808	Report Time:	2400	4 of 5
COMPANY:	B.P.	API JOB #	05-067-09956	
LOCATION:	Ford Pad	WORK ORDER#	337808	
RIG NAME:	Aztec 507	FIELD:	San Juan Basin	
STATE:	Colorado	Township:	33N	
COUNTY:	La Plata	SECT\	10	8W
WELL NAME:	Ford H1			

From Thursday, January 07, 2016 at 0000 to Thursday, January 07, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	1975.00	Rotary Hours	6.65	WOB	15	Pick UP	25	Slack Off	22	SPM	
End Depth	3584.00	Circulating Hours	6.25	RAB	23	SPP	1400	FlowRate	480 - 480	220	
Total Drilled:	1609.00	Avg. Total ROP:	156.47	Mud Data							
Total Rotary Drilled:	1224.00	Avg. Rotary ROP:	184.06	Type	water base			PV	7	SOLID	1.7
Total Drilled Sliding:	385.00	Avg. Slide ROP:	105.96	Weight	8.55	GAS	11	YP	14	BHT°	84
Slide Hours:	3.63	Percent Rotary:	76.07	Viscosity	36	SAND	0.05	PH	9.5	Flow T°	70
Below Rotary Hrs.	24.00	Percent Slide:	23.93	Chlorides	500	WL	8			Oil %	0
PERSONNEL				cASING				BHA			
Lead Directional :	Mark Houston			Size	Lb/ft	Set Depth		BHA # 1:SEC MM55 5X12, 6 1/2 3.3 7:8 1.5 FBH, HANG OFF, NMPC, NMDC, GAP SUB, NMDC,			
Second Directional :	David Hensley			8 5/8	24	402					
MWD Operator1	Jim Blosser			Signature:							
MWD Operator2	Mike Willms										
Directional Company:	SDI										
Geologist:											
Company Man:	Mike Colbert										
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0				

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-Jan-16	00:00	00:05	0.08	1975	1992	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	00:05	00:10	0.08	1992	1992	Survey & Conn.	Survey & Conn.@1935' Inc 36.87° Azm 51.53°
7-Jan-16	00:10	00:20	0.17	1992	2024	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	00:20	00:25	0.08	2024	2024	Survey & Conn.	Survey & Conn.@1967' Inc 36.75° Azm 51.33°
7-Jan-16	00:25	00:30	0.08	2024	2055	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	00:30	00:35	0.08	2055	2055	Survey & Conn.	Survey & Conn.@1998' Inc 36.42° Azm 51.34°
7-Jan-16	00:35	00:45	0.17	2055	2086	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	00:45	00:50	0.08	2086	2086	Survey & Conn.	Survey & Conn.@2029' Inc 36.32° Azm 51.39°
7-Jan-16	00:50	00:55	0.08	2086	2094	Sliding	Sliding - (WOB:15; :0;TFO:360))
7-Jan-16	00:55	01:10	0.25	2094	2118	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	01:10	01:15	0.08	2118	2118	Survey & Conn.	Survey & Conn.@2061' Inc 35.84° Azm 51.06°
7-Jan-16	01:15	01:20	0.08	2118	2128	Sliding	Sliding - (WOB:15; :0;TFO:20R))
7-Jan-16	01:20	01:30	0.17	2128	2149	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	01:30	01:35	0.08	2149	2149	Survey & Conn.	Survey & Conn.@2092' Inc 36.2° Azm 50.6°
7-Jan-16	01:35	01:40	0.08	2149	2181	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	01:40	01:45	0.08	2181	2181	Survey & Conn.	Survey & Conn.@2124' Inc 37.22° Azm 51.24°
7-Jan-16	01:45	01:55	0.17	2181	2212	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	01:55	02:00	0.08	2212	2212	Survey & Conn.	Survey & Conn.@2155' Inc 36.7° Azm 51.23°
7-Jan-16	02:25	02:30	0.08	2275	2275	Survey & Conn.	Survey & Conn.@2218' Inc 35.84° Azm 50.77°
7-Jan-16	02:30	02:35	0.08	2275	2287	Sliding	Sliding - (WOB:15; :0;TFO:20R))
7-Jan-16	02:35	02:45	0.17	2287	2306	Drilling	Drilling - (WOB:15; :0;RPM:60)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-Jan-16	02:45	02:50	0.08	2306	2306	Survey & Conn.	Survey & Conn.@2249' Inc 35.92° Azm 51.44°
7-Jan-16	02:50	02:55	0.08	2306	2338	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	02:55	03:00	0.08	2338	2338	Survey & Conn.	Survey & Conn.@2281' Inc 36.64° Azm 52.57°
7-Jan-16	03:00	03:10	0.17	2338	2369	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	03:10	03:15	0.08	2369	2369	Survey & Conn.	Survey & Conn.@2312' Inc 36.75° Azm 53.11°
7-Jan-16	03:15	03:25	0.17	2369	2381	Sliding	Sliding - (WOB:15; :0;TFO:-20))
7-Jan-16	03:25	03:30	0.08	2381	2401	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	03:30	03:35	0.08	2401	2401	Survey & Conn.	Survey & Conn.@2344' Inc 36.29° Azm 52.9°
7-Jan-16	03:35	03:45	0.17	2401	2430	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	03:45	03:50	0.08	2430	2430	Survey & Conn.	Survey & Conn.@2375' Inc 36.61° Azm 52.5°
7-Jan-16	03:50	04:00	0.17	2430	2463	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	04:00	04:05	0.08	2463	2463	Survey & Conn.	Survey & Conn.@2406' Inc 36.94° Azm 51.6°
7-Jan-16	04:05	04:10	0.08	2463	2494	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	04:10	04:15	0.08	2494	2494	Survey & Conn.	Survey & Conn.@2437' Inc 36.44° Azm 51.55°
7-Jan-16	04:15	04:20	0.08	2494	2504	Sliding	Sliding - (WOB:15; :480;TFO:-20)
7-Jan-16	04:20	04:30	0.17	2504	2526	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	04:30	04:35	0.08	2526	2526	Survey & Conn.	Survey & Conn.@2469' Inc 35.79° Azm 51.05°
7-Jan-16	04:35	04:50	0.25	2526	2557	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	04:50	04:53	0.05	2557	2557	Survey & Conn.	Survey & Conn.@2500' Inc 36.25° Azm 51.17°
7-Jan-16	04:53	05:03	0.17	2557	2588	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	05:03	05:06	0.05	2588	2588	Survey & Conn.	Survey & Conn.@2531' Inc 36.41° Azm 51.44°
7-Jan-16	05:06	05:17	0.18	2588	2619	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	05:17	05:20	0.05	2619	2619	Survey & Conn.	Survey & Conn.@2562' Inc 36.19° Azm 51.29°
7-Jan-16	05:49	05:52	0.05	2682	2682	Survey & Conn.	Survey & Conn.@2625' Inc 35.44° Azm 50.45°
7-Jan-16	05:52	06:05	0.22	2682	2726	Sliding	Sliding - (WOB:15; :480;TFO:15R)
7-Jan-16	06:05	06:20	0.25	2726	2746	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	06:20	06:23	0.05	2746	2746	Survey & Conn.	Survey & Conn.@2689' Inc 36.33° Azm 49.79°
7-Jan-16	07:16	07:21	0.08	2855	2871	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	07:21	07:24	0.05	2871	2871	Survey & Conn.	Survey & Conn.@2814' Inc 35.01° Azm 49.28°
7-Jan-16	07:37	07:40	0.05	2903	2903	Survey & Conn.	Survey & Conn.@2846' Inc 35.27° Azm 49.79°
7-Jan-16	07:40	07:48	0.13	2903	2920	Sliding	Sliding - (WOB:15; :480;TFO:20R))
7-Jan-16	07:48	07:53	0.08	2920	2934	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	07:53	07:56	0.05	2934	2934	Survey & Conn.	Survey & Conn.@2877' Inc 35.02° Azm 49.78°
7-Jan-16	07:56	08:06	0.17	2934	2952	Sliding	Sliding - (WOB:15; :480;TFO:20R))
7-Jan-16	08:06	08:11	0.08	2952	2965	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	08:11	08:14	0.05	2965	2965	Survey & Conn.	Survey & Conn.@2908' Inc 35.18° Azm 49.75°
7-Jan-16	08:14	08:26	0.20	2965	2983	Sliding	Sliding - (WOB:15; :480;TFO:30R))
7-Jan-16	08:26	08:29	0.05	2983	2996	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	08:29	08:32	0.05	2996	2996	Survey & Conn.	Survey & Conn.@2939' Inc 35.44° Azm 50.19°
7-Jan-16	08:32	08:41	0.15	2996	3027	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	08:41	08:43	0.03	3027	3027	Survey & Conn.	Survey & Conn.@2970' Inc 36.31° Azm 50.44°
7-Jan-16	08:43	08:50	0.12	3027	3044	Sliding	Sliding - (WOB:15; :480;TFO:20R))
7-Jan-16	08:50	08:54	0.07	3044	3059	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	09:09	09:12	0.05	3079	3090	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	09:12	09:15	0.05	3090	3090	Survey & Conn.	Survey & Conn.@3033' Inc 34.28° Azm 50.8°
7-Jan-16	09:15	09:25	0.17	3090	3103	Sliding	Sliding - (WOB:15; :480;TFO:10R))
7-Jan-16	09:25	09:29	0.07	3103	3121	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	09:29	09:32	0.05	3121	3121	Survey & Conn.	Survey & Conn.@3064' Inc 35.51° Azm 50.93°
7-Jan-16	09:32	09:40	0.13	3121	3152	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	09:40	11:30	1.83	3152	3152	Circulating	Circulating (build mud weight)
7-Jan-16	11:30	11:40	0.17	3152	3164	Sliding	Sliding - (WOB:15; :480;TFO:10R)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-Jan-16	11:40	11:45	0.08	3164	3184	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	11:45	11:55	0.17	3184	3184	Survey & Conn.	Survey & Conn.@3127' Inc 36.21° Azm 52.13°
7-Jan-16	12:46	12:49	0.05	3277	3277	Survey & Conn.	Survey & Conn.@3220' Inc 33.98° Azm 51.77°
7-Jan-16	12:49	13:00	0.18	3277	3297	Sliding	Sliding - (WOB:15; :480;TFO:360)
7-Jan-16	13:00	13:04	0.07	3297	3308	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	13:04	13:07	0.05	3308	3308	Survey & Conn.	Survey & Conn.@3251' Inc 34.32° Azm 52.24°
7-Jan-16	13:07	13:18	0.18	3308	3328	Sliding	Sliding - (WOB:15; :480;TFO:360)
7-Jan-16	13:18	13:21	0.05	3328	3339	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	13:21	13:25	0.07	3339	3339	Survey & Conn.	Survey & Conn.@3282' Inc 34.85° Azm 51.83°
7-Jan-16	13:25	13:38	0.22	3339	3357	Sliding	Sliding - (WOB:15; :480;TFO:360)
7-Jan-16	13:38	13:46	0.13	3357	3370	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	13:46	13:49	0.05	3370	3370	Survey & Conn.	Survey & Conn.@3313' Inc 36.29° Azm 51.34°
7-Jan-16	13:49	13:59	0.17	3370	3401	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	13:59	14:02	0.05	3401	3401	Survey & Conn.	Survey & Conn.@3344' Inc 37.74° Azm 52°
7-Jan-16	14:02	14:12	0.17	3401	3433	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	14:12	14:15	0.05	3433	3433	Survey & Conn.	Survey & Conn.@3376' Inc 38.79° Azm 51.71°
7-Jan-16	14:15	14:28	0.22	3433	3464	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	14:28	14:31	0.05	3464	3464	Survey & Conn.	Survey & Conn.@3407' Inc 38.54° Azm 51.86°
7-Jan-16	14:31	14:39	0.13	3464	3495	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	14:39	14:42	0.05	3495	3495	Survey & Conn.	Survey & Conn.@3438' Inc 38.1° Azm 50.95°
7-Jan-16	14:42	14:52	0.17	3495	3527	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	14:52	14:54	0.03	3527	3527	Survey & Conn.	Survey & Conn.@3470' Inc 36.06° Azm 50.25°
7-Jan-16	14:54	15:05	0.18	3527	3558	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	15:05	15:08	0.05	3558	3558	Survey & Conn.	Survey & Conn.@3527' Inc 34.15° Azm 49.82°
7-Jan-16	15:08	15:16	0.13	3558	3584	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	15:16	15:20	0.07	3584	3584	Survey & Conn.	Survey & Conn.@3527' Inc 34.15° Azm 49.82°
7-Jan-16	15:20	18:15	2.92	3584	3584	Circulating	Circulating
7-Jan-16	18:15	20:00	1.75	3584	3584	Short Trip	Short Trip
7-Jan-16	20:00	21:30	1.50	3584	3584	Circulating	Circulating
7-Jan-16	21:30	24:00	2.50	3584	3584	POOH	POOH
7-Jan-16	02:00	02:10	0.17	2212	2244	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	02:10	02:15	0.08	2244	2244	Survey & Conn.	Survey & Conn.@2187' Inc 36.2° Azm 50.94°
7-Jan-16	02:15	02:20	0.08	2244	2254	Sliding	Sliding - (WOB:15; :0;TFO:20R))
7-Jan-16	02:20	02:25	0.08	2254	2275	Drilling	Drilling - (WOB:15; :0;RPM:60)
7-Jan-16	05:20	05:32	0.20	2619	2651	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	05:32	05:35	0.05	2651	2651	Survey & Conn.	Survey & Conn.@2594' Inc 35.64° Azm 51.02°
7-Jan-16	05:35	05:42	0.12	2651	2663	Sliding	Sliding - (WOB:15; :480;TFO:-20))
7-Jan-16	05:42	05:49	0.12	2663	2682	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	06:23	06:33	0.17	2746	2777	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	06:33	06:36	0.05	2777	2777	Survey & Conn.	Survey & Conn.@2720' Inc 36.45° Azm 50.66°
7-Jan-16	06:36	06:47	0.18	2777	2808	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	06:47	06:50	0.05	2808	2808	Survey & Conn.	Survey & Conn.@2751' Inc 36.23° Azm 51.19°
7-Jan-16	06:50	06:58	0.13	2808	2820	Sliding	Sliding - (WOB:15; :480;TFO:30R))
7-Jan-16	06:58	07:03	0.08	2820	2840	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	07:03	07:06	0.05	2840	2840	Survey & Conn.	Survey & Conn.@2783' Inc 35.26° Azm 50.6°
7-Jan-16	07:06	07:16	0.17	2840	2855	Sliding	Sliding - (WOB:15; :480;TFO:10R))
7-Jan-16	07:24	07:33	0.15	2871	2886	Sliding	Sliding - (WOB:15; :480;TFO:10R))
7-Jan-16	07:33	07:37	0.07	2886	2903	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	08:54	08:57	0.05	3059	3059	Survey & Conn.	Survey & Conn.@3002' Inc 35.45° Azm 50.79°
7-Jan-16	08:57	09:09	0.20	3059	3079	Sliding	Sliding - (WOB:15; :480;TFO:10R)
7-Jan-16	11:55	12:04	0.15	3184	3196	Sliding	Sliding - (WOB:15; :480;TFO:360))

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-Jan-16	12:04	12:09	0.08	3196	3214	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	12:09	12:12	0.05	3214	3214	Survey & Conn.	Survey & Conn.@3157' Inc 35.85° Azm 51.87°
7-Jan-16	12:12	12:24	0.20	3214	3234	Sliding	Sliding - (WOB:15; :480;TFO:360)
7-Jan-16	12:24	12:28	0.07	3234	3245	Drilling	Drilling - (WOB:15; :480;RPM:60)
7-Jan-16	12:28	12:31	0.05	3245	3245	Survey & Conn.	Survey & Conn.@3188' Inc 34.66° Azm 52.09°
7-Jan-16	12:31	12:42	0.18	3245	3265	Sliding	Sliding - (WOB:15; :480;TFO:360))
7-Jan-16	12:42	12:46	0.07	3265	3277	Drilling	Drilling - (WOB:15; :480;RPM:60)



JOB NO.:	330116DEF337808	Report Time:	2400	5 of 5
COMPANY:	B.P.	API JOB #	05-067-09956	
LOCATION:	Ford Pad	WORK ORDER#	337808	
RIG NAME:	Aztec 507	FIELD:	San Juan Basin	
STATE:	Colorado	Township:	33N	
COUNTY:	La Plata	SECT\	10	8W
WELL NAME:	Ford H1			

From Friday, January 08, 2016 at 0000 to Friday, January 08, 2016 at 2400

DRILLING SUMMARY				Drilling Parameters									
Start Depth	0.00	Rotary Hours	0.00	WOB	15	Pick UP	25	Slack Off	22	SPM			
End Depth	0.00	Circulating Hours	0.00	RAB	23	SPP	1400	FlowRate	480 - 480	220			
Total Drilled:	0.00	Avg. Total ROP:	NA	Mud Data									
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA	Type	water base				PV	7	SOLID	1.7	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	8.55	GAS	11	YP	14	BHT°	84		
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	36	SAND	0.05	PH	9.5	Flow T°	70		
Below Rotary Hrs.	24.00	Percent Slide:	NA	Chlorides	500	WL	8			Oil %	0		
PERSONNEL				cASING						BHA			
Lead Directional :	Mark Houston			Size	Lb/ft		Set Depth		BHA # 1:SEC MM55 5X12, 6 1/2 3.3 7:8 1.5 FBH, HANG OFF, NMPC, NMDC, GAP SUB, NMDC,				
Second Directional :	David Hensley			8 5/8	24		402						
MWD Operator1	Jim Blosser			Signature:									
MWD Operator2	Mike Willms												
Directional Company:	SDI												
Geologist:													
Company Man:	Mike Colbert												
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0						

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
8-Jan-16	00:00	02:00	2.00	3584	3584	POOH	POOH lay down directional tools
8-Jan-16	02:00	24:00	22.00	3584	3584	Other	Rig Operations

BHA # 1

SDI



JOB NO.: 330116DEF337808 Work Order: 337808
 COMPANY: B.P.
 LOCATION: Ford Pad
 RIG NAME: Aztec 507
 STATE: Colorado
 COUNTY: La Plata
 WELL NAME: Ford H1

FIELD: San Juan Basin
 Township: 33N
 SECT. RANGE: 10 8W
 Lead DD: Mark Houston
 Co. Man: Mike Colbert
 BHA TYPE: Steerable Assembly
 BHA WT: 7630 Wt @ Jars: N/A

Time and Depths		MOTOR DATA	Drilling Parameters	
Date In:	06-Jan-16 @ 07:45	6 1/2 3.3 7:8 FBH 1.50	SO/PU:	0 - 22 / 0-25
Date Out:	08-Jan-16 @ 02:00	MFG.: SDI	Rot Strg Wt:	0-23
Hrs In Hole:	42.25	Pad OD: .25	WOB:	0 - 15
Start Depth:	419.00	NB Stab: 0	TORQ:	0 - 7000
End Depth:	3584.00	Bit to Bend: 60	SPP:	0 - 1400
Total Drilled:	3165.00	Bent Hsg/Sub°: 1.5 /	Motor RPM:	- 67
Avg. Total ROP:	177.64	Lobe/Stage: 7:8 / 3.3	Rotary RPM:	60 - 60
Circ Hrs: Tot/Only	25.23 / 7.42	Rev/GAL: 0.14	Flow Rate:	0 - 480
Percent Slide:	26.19	Rotor Jet: 0	Avg Diff:	
Percent Hrs:	36.86	Prop BUR: 8.5	Stall Pres.:	
Slide Hours:	6.57	Act BUR:	Off Bot Pres.:	
Total Sliding:	829.00	Mud Data		Bit Record
Avg. Slide ROP:	126.24	Type	water base / SEC MM55 5X12	
Percent Rotary:	73.81	WT: 8.55	GAS: 11	Run #: 1
Percent Hrs:	63.14	Vis: 36	PV: 7	Type Bit: PDC
Rotary Hours:	11.25	WL: 8	PH: 9.5	IADC#: TFA: 0.552
Total Rotary:	2336.00	SOL: 1.7	SAND: 0.05	JETS: 5-12
Avg. Rotary ROP:	207.64	Oil %: 0	T °: 84	Bit Drop: 595 PSI @ 480 GPM
Reason POOH:		Chlor: 500	YP: 14	Cond.:
MWD Spacing	Gamma: 0	Restiv: 0	Sensor: 57	Last Casing
	GYRO: 0	DNSC: 0	Sonic: 0	Shoe @: Hanger @:

INC IN: .0 INC OUT: .0 AZM IN: .00 AZM OUT: .00

Motor # 6323 Going in with 0.0 HRS Ending HRS = 25.23

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
SEC MM55 5X12	12631073	2	7 7/8	0.75	0.75	4 1/2 REGP	
6 1/2 3.3 7:8 1.5 FBH	6323	2	6 1/2	29.33	30.08	4 1/2 XHB	SDI
HANG OFF	8-725	3 1/4	6 7/16	1.77	31.85	4 1/2 XHB	SDI
NMPC	125-485	3 1/4	6 1/2	10.02	41.87	4 1/2 XHB	SDI
NMDC	122-283	3 5/16	6 1/8	30.16	72.03	4 1/2 XHB	SDI
GAP SUB	69-925	3 1/8	6 7/16	5.00	77.03	4 1/2 XHB	SDI
NMDC	122-311	3 1/4	6 1/8	29.22	106.25	4 1/2 XHB	SDI

NMDC
O.D.=6 1/8
Length=29.22

GAP SUB
O.D.=6 7/16
Length=5

NMDC
O.D.=6 1/8
Length=30.16

NMPC
O.D.=6 1/2
Length=10.02

HANG OFF
O.D.=6 7/16
Length=1.77

6 1/2 3.3 7:8 1.5 FBH
O.D.=6 1/2
Length=29.33

SEC MM55 5X12
O.D.=7 7/8
Length=0.75



JOB NO.: 330116DEF337808
COMPANY: B.P.
LOCATION: Ford Pad
RIG NAME: Aztec 507
STATE: Colorado
COUNTY: Country
WELL NAME: Ford H1

FIELD: San Juan Basin
Township: 33N
Range 8W

MOTOR INFORMATION			
Desc: 6 1/2 3.3 7:8 FBH 1.50			
Bent Hsg/Sub: 1.5 / 0		Bit to Bend: 60	
Pad OD: .25		NB Stab:	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	6-Jan	Drilling	12:40	13:18	0.63	419	473	54	15	85.3	60					2.04	147.00	0.77	
1	6-Jan	Drilling	13:30	13:34	0.07	473	504	31	15	465.0	60	0				1.82	148.00	1.77	
1	6-Jan	Sliding	13:37	13:44	0.12	504	512	8	15	68.6	60	4700	347	858	51M	1.78	128.00	3.47	
1	6-Jan	Drilling	13:44	13:48	0.07	512	534	22	15	330.0	60	4700		858		1.87	152.00	3.47	
1	6-Jan	Sliding	13:51	13:55	0.07	534	543	9	15	135.0	60	4700	347	858	51M	1.97	94.00	3.72	
1	6-Jan	Drilling	13:55	13:58	0.05	543	564	21	15	420.0	60	4700		858		2.33	113.00	3.72	
1	6-Jan	Sliding	14:01	14:07	0.10	564	571	7	15	70.0	60	4700	347	858	51M	2.52	63.00	3.42	
1	6-Jan	Drilling	14:07	14:11	0.07	571	595	24	15	360.0	60	4700		858		3.32	67.00	3.42	
1	6-Jan	Sliding	14:14	14:17	0.05	595	604	9	15	180.0	60	4700	480	1146	51M	3.62	57.00	3.39	
1	6-Jan	Drilling	14:17	14:20	0.05	604	625	21	15	420.0	60	4700		1146		4.33	58.00	3.39	
1	6-Jan	Sliding	14:23	14:26	0.05	625	633	8	15	160.0	60	4700	480	1146	51M	4.58	56.00	3.00	
1	6-Jan	Drilling	14:26	14:30	0.07	633	656	23	15	345.0	60	4700		1146		5.23	59.00	3.00	
1	6-Jan	Sliding	14:33	14:36	0.05	656	665	9	15	180.0	60	4700	480	1146	51M	5.48	52.00	2.84	
1	6-Jan	Drilling	14:36	14:40	0.07	665	687	22	15	330.0	60	4700		1146		6.11	52.00	2.84	
1	6-Jan	Sliding	14:43	14:46	0.05	687	696	9	15	180.0	60	4700	480	1146	51M	6.39	53.00	3.54	
1	6-Jan	Drilling	14:46	14:52	0.10	696	718	22	15	220.0	60	4700		1146		7.15	54.00	3.54	
1	6-Jan	Sliding	14:55	15:03	0.13	718	727	9	15	67.5	60	4700	480	1146	HS	7.48	55.00	4.32	
1	6-Jan	Drilling	15:03	15:07	0.07	727	749	22	15	330.0	60	4700		1146		8.32	58.00	4.32	
1	6-Jan	Sliding	15:10	15:15	0.08	749	759	10	15	120.0	60	4700	480	1146	HS	8.65	59.00	3.18	
1	6-Jan	Drilling	15:15	15:19	0.07	759	779	20	15	300.0	60	4700		1146		9.26	60.00	3.18	
1	6-Jan	Sliding	15:22	15:25	0.05	779	788	9	15	180.0	60	4700	480	1146	30L	9.52	57.00	3.09	
1	6-Jan	Drilling	15:25	15:30	0.08	788	809	21	15	252.0	60	4700		1146		10.13	58.00	3.09	
1	6-Jan	Sliding	15:33	15:37	0.07	809	817	8	15	120.0	60	4700	480	1146	15L	10.34	55.00	2.81	
1	6-Jan	Drilling	15:37	15:40	0.05	817	840	23	15	460.0	60	4700		1146		10.83	57.00	2.81	
1	6-Jan	Sliding	15:43	15:47	0.07	840	849	9	15	135.0	60	4700	480	1146	15L	11.01	52.00	2.29	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	6-Jan	Drilling	15:47	15:51	0.07	849	871	22	15	330.0	60	4700		1146		11.41	54.00	2.29	
1	6-Jan	Sliding	15:54	15:57	0.05	871	880	9	15	180.0	60	4700	480	1146	360	11.63	50.00	3.05	
1	6-Jan	Drilling	15:57	16:00	0.05	880	901	21	15	420.0	60	4700		1146		12.26	50.00	3.05	
1	6-Jan	Sliding	16:09	16:12	0.05	901	910	9	15	180.0	60	4700	480	1146	360	12.52	49.00	2.90	
1	6-Jan	Drilling	16:12	16:17	0.08	910	932	22	15	264.0	60	4700		1146		13.11	50.00	2.90	
1	6-Jan	Sliding	16:20	16:25	0.08	932	944	12	15	144.0	60	4700	480	1146	15R	13.52	50.00	4.00	
1	6-Jan	Drilling	16:25	16:29	0.07	944	963	19	15	285.0	60	4700		1146		14.26	51.00	4.00	
1	6-Jan	Sliding	16:32	16:35	0.05	963	975	12	15	240.0	60	4700	480	1146	15R	14.78	51.00	4.68	
1	6-Jan	Drilling	16:35	16:38	0.05	975	994	19	15	380.0	60	4700		1146		15.65	52.00	4.68	
1	6-Jan	Sliding	16:41	16:45	0.07	994	1006	12	15	180.0	60	4700	480	1146	15R	16.15	53.00	4.14	
1	6-Jan	Drilling	16:45	16:50	0.08	1006	1024	18	15	216.0	60	4700		1146		16.86	54.00	4.14	
1	6-Jan	Sliding	17:00	17:05	0.08	1024	1035	11	15	132.0	60	4700	480	1146	15R	17.22	54.00	2.48	
1	6-Jan	Drilling	17:05	17:10	0.08	1035	1056	21	15	252.0	60	4700		1146		17.72	54.00	2.48	
1	6-Jan	Sliding	17:15	17:20	0.08	1056	1068	12	15	144.0	60	4700	480	1146	15R	18.06	55.00	3.21	
1	6-Jan	Drilling	17:20	17:25	0.08	1068	1087	19	15	228.0	60	4700		1146		18.67	55.00	3.21	
1	6-Jan	Sliding	17:30	17:35	0.08	1087	1098	11	15	132.0	60	4700	480	1146	15R	19.04	55.00	4.03	
1	6-Jan	Drilling	17:35	17:38	0.05	1098	1118	20	15	400.0	60	4700		1146		19.73	56.00	4.03	
1	6-Jan	Sliding	17:40	17:43	0.05	1118	1130	12	15	240.0	60	4700	480	1146	360	20.18	52.00	3.94	
1	6-Jan	Drilling	17:43	17:46	0.05	1130	1149	19	15	380.0	60	4700		1146		20.92	52.00	3.94	
1	6-Jan	Sliding	17:50	17:54	0.07	1149	1161	12	15	180.0	60	4700	480	1146	360	21.43	52.00	4.55	
1	6-Jan	Drilling	17:54	17:57	0.05	1161	1180	19	15	380.0	60	4700		1146		22.29	53.00	4.55	
1	6-Jan	Sliding	18:00	18:03	0.05	1180	1192	12	15	240.0	60	4700	480	1146	15	22.73	52.00	3.44	
1	6-Jan	Drilling	18:03	18:06	0.05	1192	1211	19	15	380.0	60	4700		1146		23.31	52.00	3.44	
1	6-Jan	Sliding	18:10	18:15	0.08	1211	1223	12	15	144.0	60	4700	480	1146	15	23.74	53.00	4.68	
1	6-Jan	Drilling	18:15	18:20	0.08	1223	1242	19	15	228.0	60	4700		1146		24.49	54.00	4.68	
1	6-Jan	Sliding	18:25	18:30	0.08	1242	1254	12	15	144.0	60	4700	480	1146	30	24.85	55.00	2.45	
1	6-Jan	Drilling	18:30	18:35	0.08	1254	1273	19	15	228.0	60	4700		1146		25.29	55.00	2.45	
1	6-Jan	Sliding	18:40	18:43	0.05	1273	1285	12	15	240.0	60	4700	480	1146	20	25.59	55.00	2.75	
1	6-Jan	Drilling	18:43	18:47	0.07	1285	1304	19	15	285.0	60	4700		1146		26.08	56.00	2.75	
1	6-Jan	Sliding	18:50	18:55	0.08	1304	1316	12	15	144.0	60	4700	480	1146	360	26.42	55.00	3.04	
1	6-Jan	Drilling	18:55	19:00	0.08	1316	1336	20	15	240.0	60	4700		1146		27.02	55.00	3.04	
1	6-Jan	Sliding	19:05	19:10	0.08	1336	1348	12	15	144.0	60	4700	480	1146	360	27.38	54.00	3.09	
1	6-Jan	Drilling	19:10	19:13	0.05	1348	1367	19	15	380.0	60	4700		1146		27.97	54.00	3.09	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	6-Jan	Sliding	19:15	19:20	0.08	1367	1381	14	15	168.0	60	4700	480	1146	360	28.42	55.00	3.49	
1	6-Jan	Drilling	19:20	19:25	0.08	1381	1399	18	15	216.0	60	4700		1400		29.03	55.00	3.49	
1	6-Jan	Sliding	19:30	19:35	0.08	1399	1415	16	15	192.0	60	4700	480	1400	360	29.65	54.00	4.48	
1	6-Jan	Drilling	19:35	19:40	0.08	1415	1430	15	15	180.0	60	4700		1400		30.29	55.00	4.48	
1	6-Jan	Sliding	19:45	19:50	0.08	1430	1445	15	15	180.0	60	4700	480	1400	360	30.77	53.00	2.54	
1	6-Jan	Drilling	19:50	19:55	0.08	1445	1462	17	15	204.0	60	4700		1400		31.19	53.00	2.54	
1	6-Jan	Sliding	20:00	20:04	0.07	1462	1477	15	15	225.0	60	4700	480	1400	360	31.61	53.00	2.94	
1	6-Jan	Drilling	20:04	20:07	0.05	1477	1493	16	15	320.0	60	4700		1400		32.08	53.00	2.94	
1	6-Jan	Sliding	20:10	20:15	0.08	1493	1508	15	15	180.0	60	4700	480	1400	360	32.86	54.00	7.07	
1	6-Jan	Drilling	20:15	20:20	0.08	1508	1524	16	15	192.0	60	4700		1400		33.86	55.00	7.07	
1	6-Jan	Sliding	20:25	20:30	0.08	1524	1539	15	15	180.0	60	4700	480	1400	360	34.82	56.00	7.07	
1	6-Jan	Drilling	20:30	20:35	0.08	1539	1555	16	15	192.0	60	4700		1400		35.84	56.00	7.07	
1	6-Jan	Sliding	20:40	20:47	0.12	1555	1571	16	15	137.1	60	4700	480	1400	360	36.50	57.00	2.83	
1	6-Jan	Drilling	20:47	20:55	0.13	1571	1586	15	15	112.5	60	4700		1400		36.92	57.00	2.83	
1	6-Jan	Sliding	21:05	21:08	0.05	1586	1591	5	15	100.0	60	4700		1400		37.06	57.00	2.83	
1	6-Jan	Drilling	21:08	21:15	0.12	1591	1618	27	15	231.4	60	4700		1400		36.96	57.00	1.44	
1	6-Jan	Sliding	21:20	21:23	0.05	1618	1624	6	15	120.0	60	4700		1400	-90	36.93	56.00	1.53	
1	6-Jan	Drilling	21:23	21:27	0.07	1624	1649	25	15	375.0	60	4700		1400		36.55	56.00	1.53	
1	6-Jan	Drilling	21:30	21:40	0.17	1649	1680	31	15	186.0	60	4700		1400		37.22	56.00	2.97	
1	6-Jan	Sliding	21:45	21:50	0.08	1680	1695	15	15	180.0	60	4700		1400	360	37.54	56.00	1.72	
1	6-Jan	Drilling	21:50	21:55	0.08	1695	1711	16	15	192.0	60	4700		1400		37.80	56.00	1.72	
1	6-Jan	Drilling	22:10	22:15	0.08	1711	1743	32	15	384.0	60	4700		1400		37.75	57.00	1.83	
1	6-Jan	Drilling	22:20	22:25	0.08	1743	1774	31	15	372.0	60	4700		1400		36.74	57.00	5.33	
1	6-Jan	Sliding	22:30	22:35	0.08	1774	1786	12	15	144.0	60	4700		1400	-90	36.57	53.00	0.28	
1	6-Jan	Drilling	22:35	22:40	0.08	1786	1805	19	15	228.0	60	4700		1400		36.61	53.00	0.28	
1	6-Jan	Drilling	22:45	23:00	0.25	1805	1836	31	15	124.0	60	4700		1400		36.88	53.00	1.27	
1	6-Jan	Sliding	23:05	23:10	0.08	1836	1848	12	15	144.0	60	4700		1400	360	36.99	53.00	1.86	
1	6-Jan	Drilling	23:10	23:15	0.08	1848	1866	18	15	216.0	60	4700		1400		37.16	53.00	1.86	
1	6-Jan	Drilling	23:20	23:25	0.08	1866	1898	32	15	384.0	60	4700		1400		37.14	54.00	2.84	
1	6-Jan	Drilling	23:30	23:40	0.17	1898	1930	32	15	192.0	60	7000		1400		36.91	52.00	0.99	
1	6-Jan	Drilling	23:45	23:50	0.08	1930	1961	31	15	372.0	60	7000		1400		36.77	52.00	0.53	
1	6-Jan	Drilling	23:55	24:00	0.08	1961	1975	14	15	168.0	60	7000		1400		36.66	51.00	1.06	
1	7-Jan	Drilling	00:00	00:05	0.08	1975	1992	17	15	204.0	60	7000	480	1400		36.48	51.00	1.06	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	7-Jan	Drilling	00:10	00:20	0.17	1992	2024	32	15	192.0	60	7000	480	1400		36.34	51.00	0.34	
1	7-Jan	Drilling	00:25	00:30	0.08	2024	2055	31	15	372.0	60	7000	480	1400		35.93	52.00	1.62	
1	7-Jan	Drilling	00:35	00:45	0.17	2055	2086	31	15	186.0	60	7000	480	1400		36.13	51.00	1.45	
1	7-Jan	Sliding	00:50	00:55	0.08	2086	2094	8	15	96.0	60	7000	480	1400	360	36.26	51.00	3.40	
1	7-Jan	Drilling	00:55	01:10	0.25	2094	2118	24	15	96.0	60	7000	480	1400		37.03	51.00	3.40	
1	7-Jan	Sliding	01:15	01:20	0.08	2118	2128	10	15	120.0	60	7000	480	1400	20R	37.15	51.00	1.68	
1	7-Jan	Drilling	01:20	01:30	0.17	2128	2149	21	15	126.0	60	7000	480	1400		36.80	51.00	1.68	
1	7-Jan	Drilling	01:35	01:40	0.08	2149	2181	32	15	384.0	60	7000	480	1400		36.29	51.00	1.65	
1	7-Jan	Drilling	01:45	01:55	0.17	2181	2212	31	15	186.0	60	7000	480	1400		35.91	51.00	1.21	
1	7-Jan	Drilling	02:00	02:10	0.17	2212	2244	32	15	192.0	60	7000	480	1400		35.91	51.00	1.29	
1	7-Jan	Sliding	02:15	02:20	0.08	2244	2254	10	15	120.0	60	7000	480	1400	20R	36.03	52.00	3.07	
1	7-Jan	Drilling	02:20	02:25	0.08	2254	2275	21	15	252.0	60	7000	480	1400		36.50	52.00	3.07	
1	7-Jan	Sliding	02:30	02:35	0.08	2275	2287	12	15	144.0	60	7000	480	1400	20R	36.66	53.00	1.10	
1	7-Jan	Drilling	02:35	02:45	0.17	2287	2306	19	15	114.0	60	7000	480	1400		36.73	53.00	1.10	
1	7-Jan	Drilling	02:50	02:55	0.08	2306	2338	32	15	384.0	60	7000	480	1400		36.38	53.00	1.49	
1	7-Jan	Drilling	03:00	03:10	0.17	2338	2369	31	15	186.0	60	7000	480	1400		36.55	53.00	1.29	
1	7-Jan	Sliding	03:15	03:25	0.17	2369	2381	12	15	72.0	60	7000	480	1400	-20	36.67	53.00	2.04	
1	7-Jan	Drilling	03:25	03:30	0.08	2381	2401	20	15	240.0	60	7000	480	1400		36.89	53.00	2.04	
1	7-Jan	Drilling	03:35	03:45	0.17	2401	2430	29	15	174.0	60	7000	480	1400		36.55	52.00	1.62	
1	7-Jan	Drilling	03:50	04:00	0.17	2430	2463	33	15	198.0	60	7000	480	1400		35.91	52.00	2.23	
1	7-Jan	Drilling	04:05	04:10	0.08	2463	2494	31	15	372.0	60	7000	480	1400		36.16	51.00	1.50	
1	7-Jan	Sliding	04:15	04:20	0.08	2494	2504	10	15	120.0	60	7000	480	1400	-20	36.27	51.00	0.73	
1	7-Jan	Drilling	04:20	04:30	0.17	2504	2526	22	15	132.0	60	7000	480	1400		36.38	51.00	0.73	
1	7-Jan	Drilling	04:35	04:50	0.25	2526	2557	31	15	124.0	60	7000	480	1400		36.23	52.00	0.77	
1	7-Jan	Drilling	04:53	05:03	0.17	2557	2588	31	15	186.0	60	7000	480	1400		35.74	52.00	1.79	
1	7-Jan	Drilling	05:06	05:17	0.18	2588	2619	31	15	169.1	60	7000	480	1400		35.48	51.00	1.25	
1	7-Jan	Drilling	05:20	05:32	0.20	2619	2651	32	15	160.0	60	7000	480	1400		35.87	50.00	1.66	
1	7-Jan	Sliding	05:35	05:42	0.12	2651	2663	12	15	102.9	60	7000	480	1400	15R	36.04	51.00	1.59	
1	7-Jan	Drilling	05:42	05:49	0.12	2663	2682	19	15	162.9	60	7000	480	1400		36.25	51.00	1.59	
1	7-Jan	Sliding	05:52	06:05	0.22	2682	2726	44	15	203.1	60	7000	480	1400	30R	36.41	51.00	1.24	
1	7-Jan	Drilling	06:05	06:20	0.25	2726	2746	20	15	80.0	60	7000	480	1400		36.27	51.00	1.24	
1	7-Jan	Drilling	06:23	06:33	0.17	2746	2777	31	15	186.0	60	7000	480	1400		35.44	52.00	3.22	
1	7-Jan	Drilling	06:36	06:47	0.18	2777	2808	31	15	169.1	60	7000	480	1400		35.06	52.00	2.58	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	7-Jan	Sliding	06:50	06:58	0.13	2808	2820	12	15	90.0	60	7000	480	1400	10R	35.06	49.00	1.23	
1	7-Jan	Drilling	06:58	07:03	0.08	2820	2840	20	15	240.0	60	7000	480	1400		35.22	50.00	1.23	
1	7-Jan	Sliding	07:06	07:16	0.17	2840	2855	15	15	90.0	60	7000	480	1400	30R	35.20	50.00	0.81	
1	7-Jan	Drilling	07:16	07:21	0.08	2855	2871	16	15	192.0	60	7000	480	1400		35.07	50.00	0.81	
1	7-Jan	Sliding	07:24	07:33	0.15	2871	2886	15	15	100.0	60	7000	480	1400	20R	35.07	50.00	0.52	
1	7-Jan	Drilling	07:33	07:37	0.07	2886	2903	17	15	255.0	60	7000	480	1400		35.15	50.00	0.52	
1	7-Jan	Sliding	07:40	07:48	0.13	2903	2920	17	15	127.5	60	7000	480	1400	20R	35.28	50.00	1.17	
1	7-Jan	Drilling	07:48	07:53	0.08	2920	2934	14	15	168.0	60	7000	480	1400		35.40	50.00	1.17	
1	7-Jan	Sliding	07:56	08:06	0.17	2934	2952	18	15	108.0	60	7000	480	1400	30R	35.80	50.00	2.85	
1	7-Jan	Drilling	08:06	08:11	0.08	2952	2965	13	15	156.0	60	7000	480	1400		36.17	50.00	2.85	
1	7-Jan	Sliding	08:14	08:26	0.20	2965	2983	18	15	90.0	60	7000	480	1400	20R	35.96	51.00	2.76	
1	7-Jan	Drilling	08:26	08:29	0.05	2983	2996	13	15	260.0	60	7000	480	1400		35.61	51.00	2.76	
1	7-Jan	Drilling	08:32	08:41	0.15	2996	3027	31	15	206.7	60	7000	480	1400		34.51	51.00	3.77	
1	7-Jan	Sliding	08:43	08:50	0.12	3027	3044	17	15	145.7	60	7000	480	1400	10R	34.72	51.00	3.97	
1	7-Jan	Drilling	08:50	08:54	0.07	3044	3059	15	15	225.0	60	7000	480	1400		35.31	51.00	3.97	
1	7-Jan	Sliding	08:57	09:09	0.20	3059	3079	20	15	100.0	60	7000	480	1400	10R	35.91	51.00	3.00	
1	7-Jan	Drilling	09:09	09:12	0.05	3079	3090	11	15	220.0	60	7000	480	1400		36.21	52.00	3.00	
1	7-Jan	Sliding	09:15	09:25	0.17	3090	3103	13	15	78.0	60	7000	480	1400	10R	36.31	52.00	0.98	
1	7-Jan	Drilling	09:25	09:29	0.07	3103	3121	18	15	270.0	60	7000	480	1400		36.23	52.00	0.98	
1	7-Jan	Drilling	09:32	09:40	0.13	3121	3152	31	15	232.5	60	7000	480	1400		35.91	52.00	1.30	
1	7-Jan	Sliding	11:30	11:40	0.17	3152	3164	12	15	72.0	60	7000	480	1400	10R	35.58	52.00	3.86	
1	7-Jan	Drilling	11:40	11:45	0.08	3164	3184	20	15	240.0	60	7000	480	1400		34.81	52.00	3.86	
1	7-Jan	Sliding	11:55	12:04	0.15	3184	3196	12	15	80.0	60	7000	480	1400	360	34.49	52.00	2.20	
1	7-Jan	Drilling	12:04	12:09	0.08	3196	3214	18	15	216.0	60	7000	480	1400		34.11	52.00	2.20	
1	7-Jan	Sliding	12:12	12:24	0.20	3214	3234	20	15	100.0	60	7000	480	1400	360	34.13	52.00	1.39	
1	7-Jan	Drilling	12:24	12:28	0.07	3234	3245	11	15	165.0	60	7000	480	1400		34.25	52.00	1.39	
1	7-Jan	Sliding	12:31	12:42	0.18	3245	3265	20	15	109.1	60	7000	480	1400	360	34.56	52.00	1.87	
1	7-Jan	Drilling	12:42	12:46	0.07	3265	3277	12	15	180.0	60	7000	480	1400		34.76	53.00	1.87	
1	7-Jan	Sliding	12:49	13:00	0.18	3277	3297	20	15	109.1	60	7000	480	1400	360	35.55	52.00	4.74	
1	7-Jan	Drilling	13:00	13:04	0.07	3297	3308	11	15	165.0	60	7000	480	1400		36.06	52.00	4.74	
1	7-Jan	Sliding	13:07	13:18	0.18	3308	3328	20	15	109.1	60	7000	480	1400	360	36.99	52.00	4.85	
1	7-Jan	Drilling	13:18	13:21	0.05	3328	3339	11	15	220.0	60	7000	480	1400		37.51	52.00	4.85	
1	7-Jan	Sliding	13:25	13:38	0.22	3339	3357	18	15	83.1	60	7000	480	1400	360	38.17	52.00	3.33	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	7-Jan	Drilling	13:38	13:46	0.13	3357	3370	13	15	97.5	60	7000	480	1400		38.59	52.00	3.33	
1	7-Jan	Drilling	13:49	13:59	0.17	3370	3401	31	15	186.0	60	7000	480	1400		38.59	52.00	0.86	
1	7-Jan	Drilling	14:02	14:12	0.17	3401	3433	32	15	192.0	60	7000	480	1400		38.17	53.00	2.31	
1	7-Jan	Drilling	14:15	14:28	0.22	3433	3464	31	15	143.1	60	7000	480	1400		36.44	52.00	6.51	
1	7-Jan	Drilling	14:31	14:39	0.13	3464	3495	31	15	232.5	60	7000	480	1400		35.22	50.00	3.38	
1	7-Jan	Drilling	14:42	14:52	0.17	3495	3527	32	15	192.0	60	7000	480	1400		34.15	51.00	3.38	
1	7-Jan	Drilling	14:54	15:05	0.18	3527	3558	31	15	169.1	60	7000	480	1400		34.15	50.00	0.00	
1	7-Jan	Drilling	15:08	15:16	0.13	3558	3584	26	15	195.0	60	7000	480	1400		34.15	50.00	0.00	

Total Drilled: 3165 **Avg. Total ROP:** 177.64 **DEPTH% - TIME %**

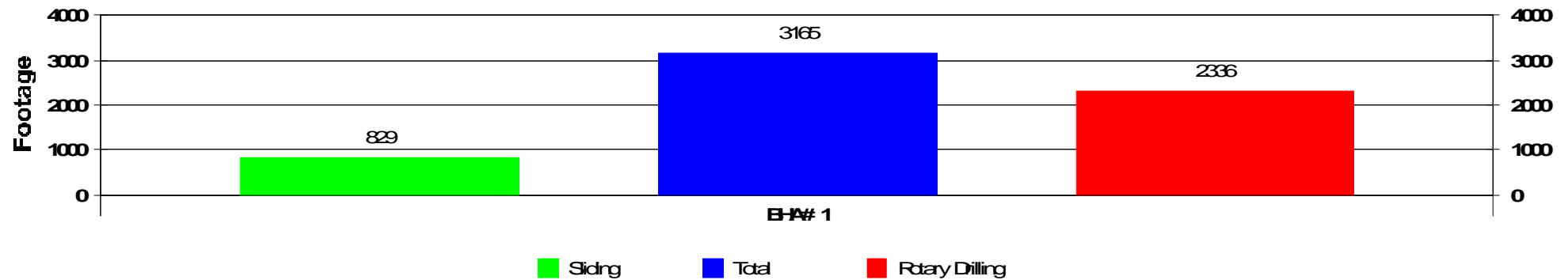
Total Rotary Drilled: 2336 **Avg. Rotary ROP:** 207.64 **Percent Rotary:** 73.81 - 63.14

Total Drilled Sliding: 829 **Avg. Slide ROP:** 126.24 **Percent Slide:** 26.19 - 36.86

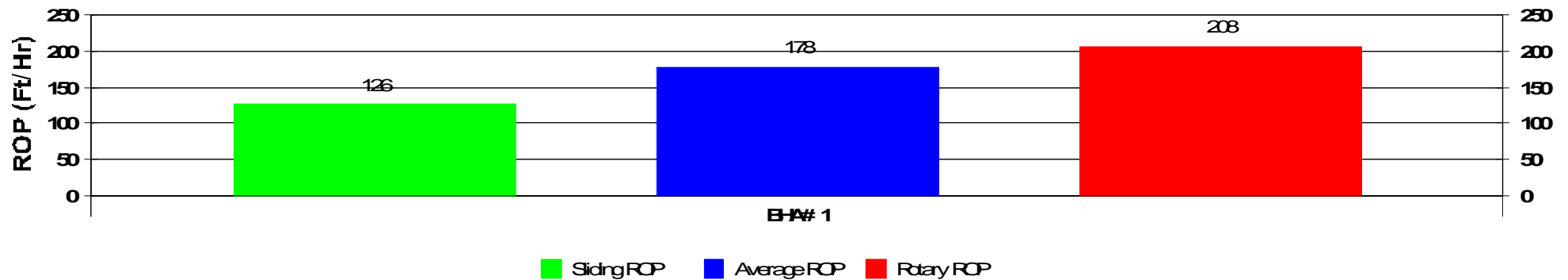


JOB NO.:	330116DEF337808	FIELD:	San Juan Basin	
COMPANY:	B.P.	Township:	33N	
LOCATION:	Ford Pad	SECT/RANGE:	10	8W
RIG NAME:	Aztec 507	COMMENT		
STATE:	Colorado			
COUNTY:	La Plata			
WELL NAME:	Ford H1			

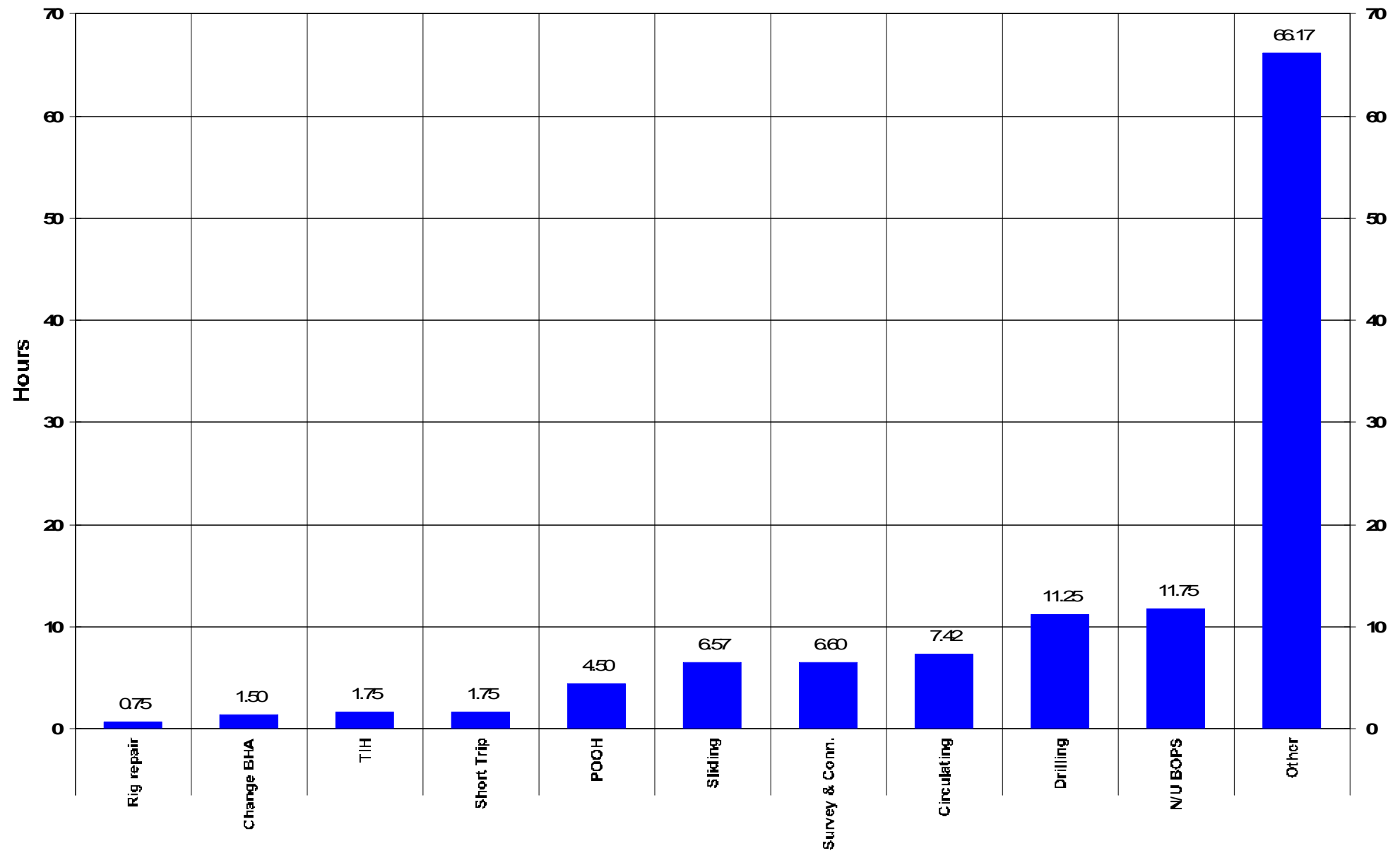
Footage Drilled with BHA



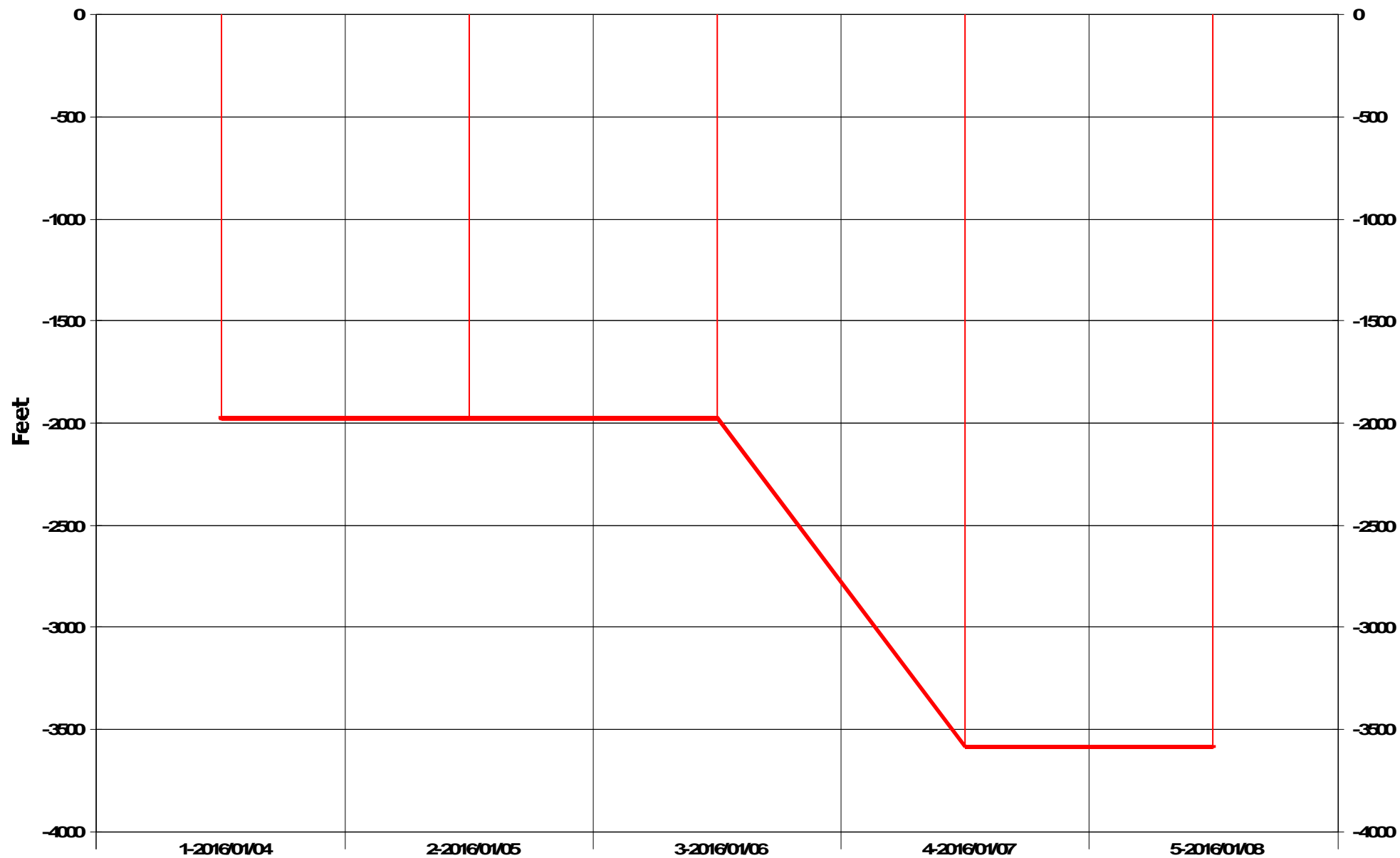
ROP vs BHA



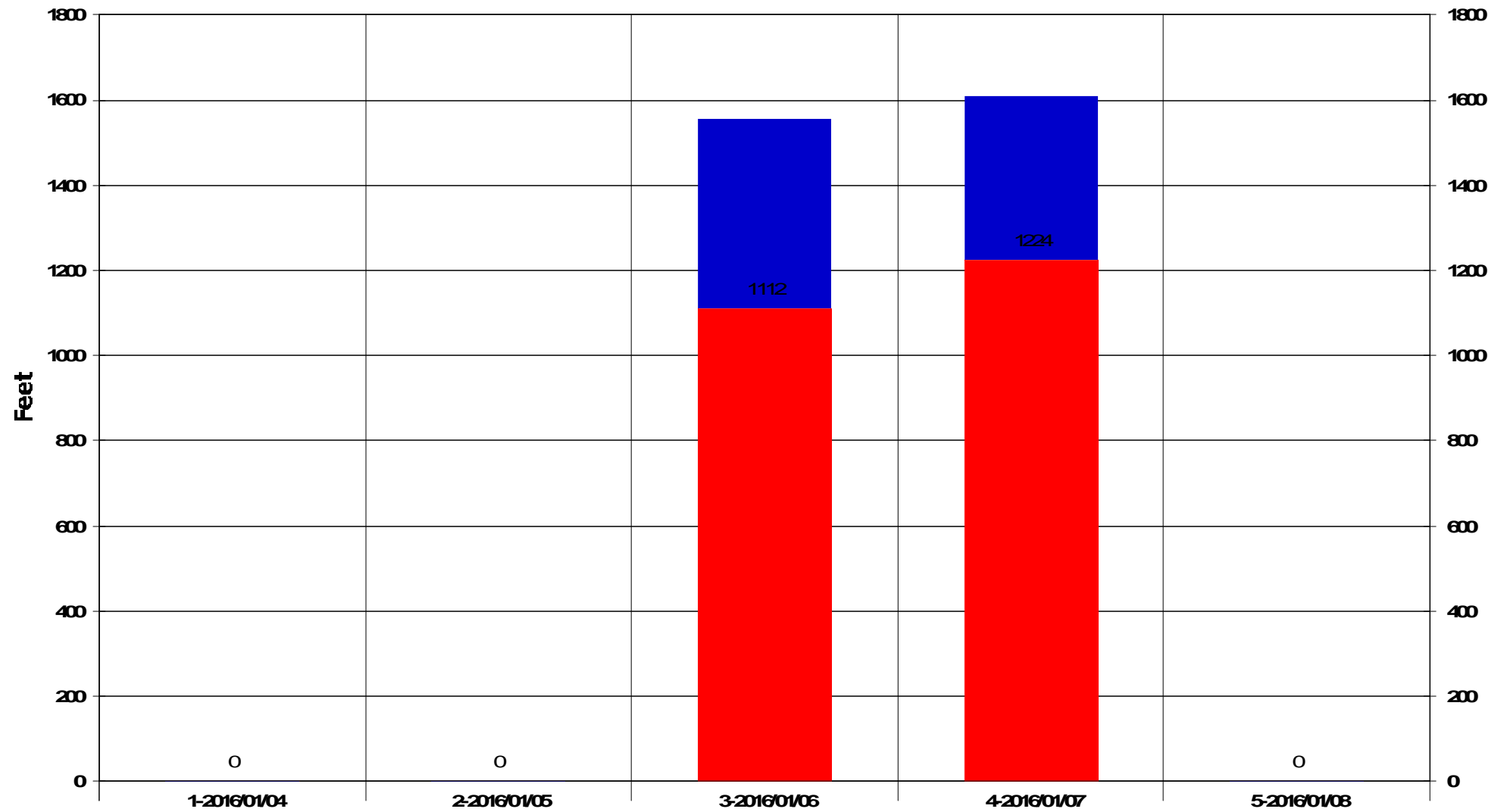
Activity Histogram



Measured Depth vs Days



Daily Footage



■ Rotary Drilling ■ Siding

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