

CARRIZO OIL & GAS

MS #DDOK-110205

**Orlando Hill 26-44-8-61
Weld County, Colorado
Cade 22**

June 6, 2011

**Prepared By:
Megan Pope**

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Job Performance Charts 4

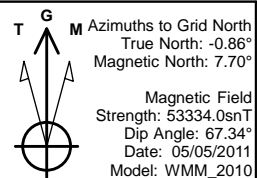
Support Staff 5



Company: Carrizo Oil & Gas
 Site: Orlando Hill
 Well: 26-44-8-61
 Project: Weld County, Colorado (NAD83)
 Rig Name: Cade 22



Planning: 936.442.2510 Fax: 936.442.2515
 Operations: 936.442.2500 Fax: 936.442.2599

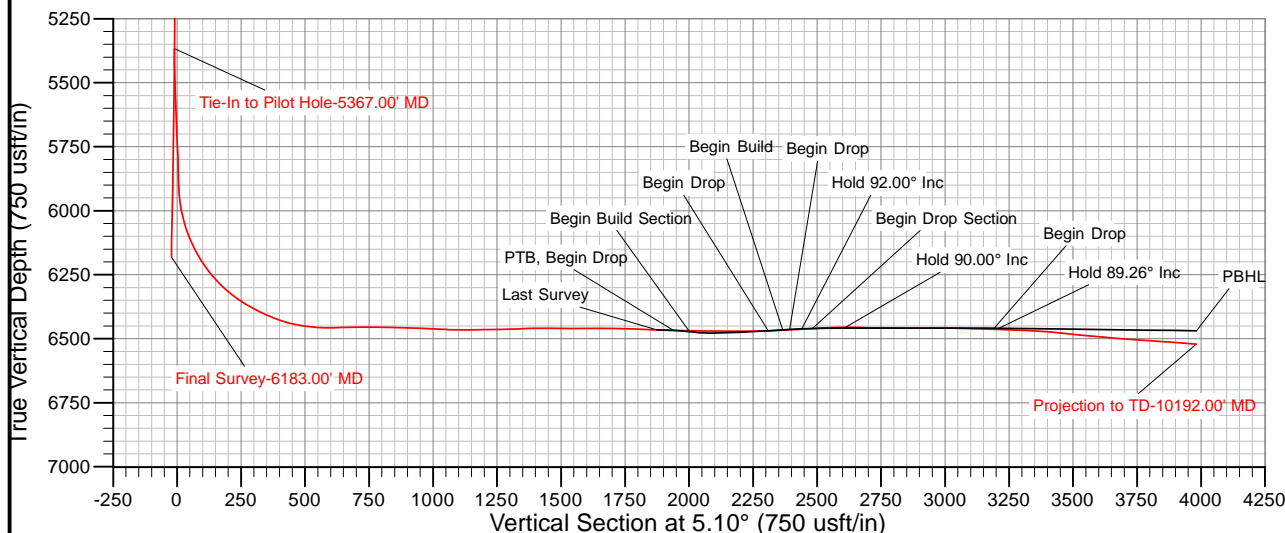
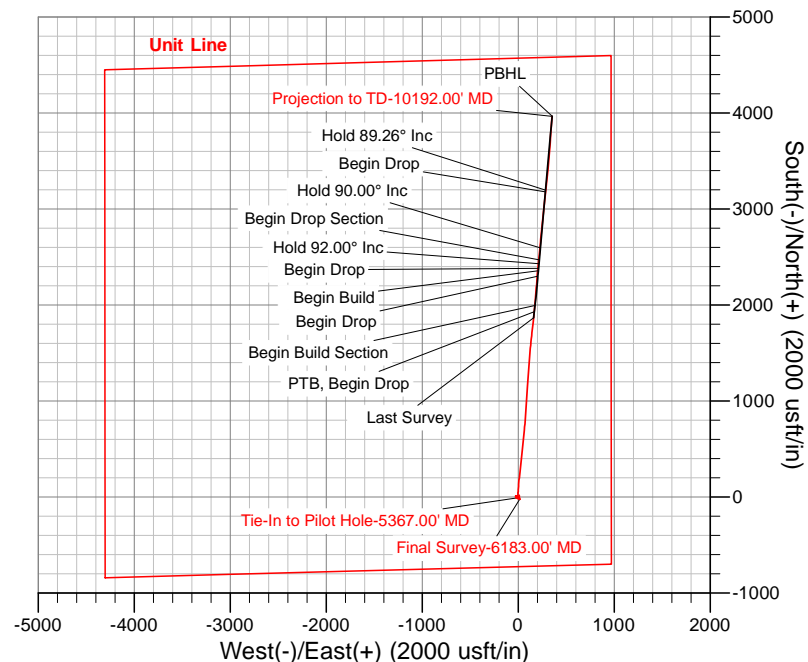


US State Plane 1983
 Colorado Northern Zone

Created By: Megan Pope
 Date: 10:52, June 06 2011
 Plan: Design #10

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
8082.00	88.00	6.20	6465.30	1867.16	161.54	1874.13	0.00	Last Survey
8147.00	88.00	6.20	6467.57	1931.74	168.55	1939.08	64.96	PTB, Begin Drop
8210.00	83.22	7.85	6472.39	1994.07	176.23	2001.84	127.76	Begin Build Section
8518.09	93.98	5.10	6468.53	2300.26	205.72	2309.44	435.40	Begin Drop
8574.61	93.02	5.10	6465.08	2356.45	210.73	2365.85	491.81	Begin Build
8601.16	93.50	5.10	6463.57	2382.85	213.09	2392.36	518.32	Begin Drop
8648.84	92.00	5.10	6461.28	2430.29	217.32	2439.99	565.94	Hold 92.00° Inc
8690.48	92.00	5.10	6459.83	2471.74	221.01	2481.60	607.56	Begin Drop Section
8813.68	90.00	5.10	6458.68	2594.44	231.96	2604.79	730.75	Hold 90.00° Inc
9401.16	90.00	5.10	6458.68	3179.60	284.14	3192.27	1318.23	Begin Drop
9419.00	89.26	5.10	6458.80	3197.37	285.73	3210.11	1336.07	Hold 89.26° Inc
10190.90	89.26	5.10	6468.77	3966.15	354.29	3981.95	2107.90	PBHL



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg
1	8082.00	88.00	6.20	6465.30	1867.16	161.54	0.00
2	8147.00	88.00	6.20	6467.57	1931.74	168.55	0.00
3	8210.00	83.22	7.85	6472.39	1994.07	176.23	8.03
4	8301.16	90.00	5.10	6477.78	2084.43	186.47	8.03
5	8406.74	93.00	5.10	6475.02	2189.54	195.85	2.84
6	8501.16	93.54	5.10	6469.64	2283.44	204.22	0.57
7	8518.09	93.98	5.10	6468.53	2300.26	205.72	2.64
8	8574.61	93.02	5.10	6465.08	2356.45	210.73	1.71
9	8601.16	93.50	5.10	6463.57	2382.85	213.09	1.84
10	8648.84	92.00	5.10	6461.28	2430.29	217.32	3.16
11	8690.48	92.00	5.10	6459.83	2471.74	221.01	0.00
12	8701.16	90.90	5.10	6459.56	2482.38	221.96	10.28
13	8813.68	90.00	5.10	6458.68	2594.45	231.96	0.80
14	9401.16	90.00	5.10	6458.68	3179.61	284.14	0.00
15	9419.00	89.26	5.10	6458.80	3197.37	285.73	4.15
16	10190.90	89.26	5.10	6468.77	3966.15	354.29	0.00

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by MS Energy are at the sole risk and responsibility of the customer. MS Energy is not responsible for the accuracy of this schematic or the information contained herein.



Carrizo Oil & Gas

Weld County, Colorado (NAD83)

Orlando Hill

26-44-8-61

Pilot Hole

Design: Surveys

Standard Survey Report

06 June, 2011



Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Pilot Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

Project	Weld County, Colorado (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Well	26-44-8-61				
Well Position	+N/-S	0.00 usft	Northing:	1,474,295.76 usft	Latitude: 40° 37' 39.7423 N
	+E/-W	0.00 usft	Easting:	3,369,954.62 usft	Longitude: 104° 10' 1.702 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level: 4,982.50 usft

Wellbore	Pilot Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	05/05/11	8.57	67.34	53,334

Design	Surveys				
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	5.10	

Survey Program	Date	06/06/11			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
109.00	6,183.00	MS MWD Pilot (Pilot Hole)	MWD	MWD - Standard	

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	
109.00	0.40	299.70	109.00	0.19	-0.33	0.16	0.37	0.37	0.00	
143.00	0.60	299.40	143.00	0.33	-0.59	0.28	0.59	0.59	-0.88	
174.00	0.80	292.50	174.00	0.50	-0.93	0.41	0.70	0.65	-22.26	
204.00	0.50	301.60	203.99	0.65	-1.24	0.53	1.05	-1.00	30.33	
234.00	0.80	290.90	233.99	0.79	-1.54	0.65	1.07	1.00	-35.67	
265.00	0.90	293.60	264.99	0.96	-1.97	0.79	0.35	0.32	8.71	
295.00	0.70	293.20	294.99	1.13	-2.35	0.92	0.67	-0.67	-1.33	
325.00	0.80	305.30	324.98	1.32	-2.69	1.08	0.62	0.33	40.33	
355.00	0.90	303.20	354.98	1.57	-3.06	1.30	0.35	0.33	-7.00	
385.00	0.90	293.40	384.98	1.80	-3.47	1.48	0.51	0.00	-32.67	
415.00	0.90	294.10	414.97	1.99	-3.90	1.63	0.04	0.00	2.33	
445.00	1.10	298.80	444.97	2.22	-4.37	1.82	0.72	0.67	15.67	
475.00	1.10	297.40	474.96	2.49	-4.88	2.05	0.09	0.00	-4.67	
505.00	1.10	298.00	504.96	2.76	-5.39	2.27	0.04	0.00	2.00	

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Pilot Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

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)
535.00	1.10	294.30	534.95	3.01	-5.91	2.48	0.24	0.00	-12.33
565.00	0.90	280.50	564.95	3.18	-6.40	2.59	1.04	-0.67	-46.00
595.00	0.40	259.50	594.94	3.20	-6.73	2.59	1.82	-1.67	-70.00
626.00	0.20	1.80	625.94	3.23	-6.84	2.61	1.56	-0.65	330.00
717.00	0.30	351.60	716.94	3.63	-6.87	3.00	0.12	0.11	-11.21
809.00	0.20	319.90	808.94	3.99	-7.01	3.35	0.18	-0.11	-34.46
900.00	0.50	309.90	899.94	4.36	-7.41	3.69	0.34	0.33	-10.99
992.00	0.60	287.80	991.94	4.77	-8.18	4.02	0.25	0.11	-24.02
1,084.00	0.60	266.70	1,083.93	4.89	-9.12	4.06	0.24	0.00	-22.93
1,176.00	0.80	288.30	1,175.92	5.06	-10.21	4.14	0.36	0.22	23.48
1,268.00	1.00	276.70	1,267.91	5.36	-11.62	4.30	0.29	0.22	-12.61
1,352.00	1.10	281.80	1,351.90	5.61	-13.14	4.42	0.16	0.12	6.07
1,479.00	0.90	309.60	1,478.88	6.49	-15.10	5.13	0.41	-0.16	21.89
1,571.00	0.60	271.30	1,570.87	6.97	-16.14	5.50	0.62	-0.33	-41.63
1,663.00	0.70	261.40	1,662.87	6.89	-17.17	5.34	0.16	0.11	-10.76
1,755.00	0.80	278.20	1,754.86	6.90	-18.36	5.24	0.26	0.11	18.26
1,847.00	0.60	221.70	1,846.85	6.63	-19.32	4.89	0.75	-0.22	-61.41
1,939.00	0.60	235.80	1,938.85	6.00	-20.04	4.20	0.16	0.00	15.33
2,035.00	0.60	293.60	2,034.84	5.92	-20.92	4.04	0.60	0.00	60.21
2,130.00	0.70	339.90	2,129.84	6.66	-21.57	4.72	0.55	0.11	48.74
2,225.00	0.80	3.40	2,224.83	7.87	-21.73	5.91	0.34	0.11	24.74
2,320.00	0.80	34.50	2,319.82	9.08	-21.32	7.15	0.45	0.00	32.74
2,415.00	0.90	27.20	2,414.81	10.29	-20.60	8.42	0.15	0.11	-7.68
2,510.00	0.20	326.60	2,509.81	11.09	-20.35	9.24	0.86	-0.74	-63.79
2,606.00	0.40	139.70	2,605.81	10.98	-20.23	9.14	0.62	0.21	180.31
2,701.00	0.40	95.50	2,700.80	10.69	-19.68	8.90	0.32	0.00	-46.53
2,796.00	0.20	234.60	2,795.80	10.56	-19.49	8.79	0.60	-0.21	146.42
2,891.00	0.40	354.80	2,890.80	10.80	-19.65	9.01	0.56	0.21	126.53
2,986.00	0.10	142.80	2,985.80	11.06	-19.63	9.27	0.51	-0.32	155.79
3,081.00	0.20	157.90	3,080.80	10.84	-19.52	9.06	0.11	0.11	15.89
3,177.00	0.30	270.00	3,176.80	10.69	-19.71	8.89	0.44	0.10	116.77
3,272.00	0.30	234.30	3,271.80	10.54	-20.16	8.71	0.19	0.00	-37.58
3,367.00	0.30	300.00	3,366.80	10.52	-20.57	8.65	0.34	0.00	69.16
3,465.00	1.60	293.70	3,464.78	11.20	-22.05	9.20	1.33	1.33	-6.43
3,560.00	1.10	233.60	3,559.76	11.19	-24.00	9.01	1.49	-0.53	-63.26
3,655.00	0.70	208.70	3,654.75	10.14	-25.01	7.88	0.58	-0.42	-26.21
3,750.00	0.40	283.40	3,749.75	9.71	-25.61	7.39	0.75	-0.32	78.63
3,845.00	0.40	136.60	3,844.75	9.55	-25.71	7.22	0.81	0.00	-154.53
3,941.00	0.20	123.50	3,940.74	9.21	-25.34	6.92	0.22	-0.21	-13.65
4,036.00	0.10	197.10	4,035.74	9.04	-25.22	6.76	0.21	-0.11	77.47
4,131.00	0.20	236.10	4,130.74	8.87	-25.39	6.58	0.14	0.11	41.05
4,226.00	0.70	185.60	4,225.74	8.20	-25.58	5.89	0.62	0.53	-53.16
4,321.00	0.70	164.40	4,320.73	7.06	-25.48	4.77	0.27	0.00	-22.32
4,416.00	0.80	191.40	4,415.73	5.85	-25.46	3.57	0.38	0.11	28.42

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Pilot Hole	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

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)	
4,511.00	1.10	158.90	4,510.71	4.35	-25.26	2.09	0.64	0.32	-34.21	
4,606.00	1.10	171.40	4,605.70	2.60	-24.79	0.38	0.25	0.00	13.16	
4,701.00	1.20	156.40	4,700.68	0.78	-24.26	-1.37	0.33	0.11	-15.79	
4,797.00	2.00	161.10	4,796.64	-1.72	-23.31	-3.79	0.84	0.83	4.90	
4,892.00	1.60	148.60	4,891.59	-4.42	-22.09	-6.37	0.59	-0.42	-13.16	
4,987.00	1.00	138.40	4,986.57	-6.17	-20.84	-8.00	0.67	-0.63	-10.74	
5,082.00	0.80	120.40	5,081.56	-7.13	-19.72	-8.85	0.36	-0.21	-18.95	
5,177.00	0.70	106.80	5,176.55	-7.63	-18.59	-9.26	0.21	-0.11	-14.32	
5,272.00	0.80	123.50	5,271.54	-8.17	-17.49	-9.69	0.25	0.11	17.58	
5,367.00	1.50	118.80	5,366.52	-9.13	-15.84	-10.50	0.74	0.74	-4.95	
5,462.00	1.60	110.20	5,461.48	-10.19	-13.51	-11.35	0.27	0.11	-9.05	
5,557.00	1.80	125.90	5,556.44	-11.52	-11.06	-12.46	0.53	0.21	16.53	
5,652.00	1.10	100.80	5,651.41	-12.57	-8.95	-13.31	0.98	-0.74	-26.42	
5,747.00	2.20	120.40	5,746.37	-13.66	-6.48	-14.18	1.29	1.16	20.63	
5,842.00	2.90	117.50	5,841.28	-15.69	-2.78	-15.88	0.75	0.74	-3.05	
5,937.00	3.50	120.10	5,936.13	-18.26	1.86	-18.02	0.65	0.63	2.74	
6,032.00	3.90	123.90	6,030.93	-21.51	7.05	-20.80	0.49	0.42	4.00	
6,127.00	4.00	78.70	6,125.73	-22.67	12.98	-21.42	3.20	0.11	-47.58	
6,183.00	3.60	116.90	6,181.61	-23.08	16.47	-21.52	4.49	-0.71	68.21	
Final Survey-6183.00' MD										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
6,183.00	6,181.61	-23.08	16.47	Final Survey-6183.00' MD	



Carrizo Oil & Gas

Weld County, Colorado (NAD83)

Orlando Hill

26-44-8-61

Wellbore #1

Survey: MS MWD

Standard Survey Report

06 June, 2011

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

Project	Weld County, Colorado (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Well	26-44-8-61				
Well Position	+N/-S	0.00 usft	Northing:	1,474,295.76 usft	Latitude: 40° 37' 39.7423 N
	+E/-W	0.00 usft	Easting:	3,369,954.62 usft	Longitude: 104° 10' 1.702 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level: 4,982.50 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM_2010	05/05/11	8.57	67.34	53,334

Design	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	5,367.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	5.10	

Survey Program	Date	06/06/11			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
109.00	5,367.00	MS MWD Pilot (Pilot Hole)	MWD	MWD - Standard	
5,423.00	10,192.00	MS MWD (Wellbore #1)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,367.00	1.50	118.80	5,366.52	-9.13	-15.84	-10.50	0.00	0.00	0.00	
Tie-In to Pilot Hole-5367.00' MD										
5,423.00	1.40	53.60	5,422.51	-9.08	-14.65	-10.34	2.79	-0.18	-116.43	
5,455.00	1.50	42.40	5,454.49	-8.54	-14.05	-9.75	0.94	0.31	-35.00	
5,550.00	2.70	30.20	5,549.43	-5.69	-12.09	-6.74	1.34	1.26	-12.84	
5,645.00	2.80	32.00	5,644.32	-1.78	-9.73	-2.64	0.14	0.11	1.89	
5,740.00	2.30	36.30	5,739.23	1.72	-7.38	1.06	0.56	-0.53	4.53	
5,835.00	2.00	39.80	5,834.16	4.53	-5.19	4.05	0.34	-0.32	3.68	
5,867.00	2.10	38.40	5,866.14	5.42	-4.46	5.00	0.35	0.31	-4.38	
5,899.00	2.30	42.20	5,898.12	6.35	-3.67	6.00	0.77	0.63	11.88	
5,930.00	4.20	22.70	5,929.06	7.86	-2.81	7.58	7.01	6.13	-62.90	
5,962.00	7.10	11.30	5,960.91	10.88	-1.97	10.67	9.67	9.06	-35.63	
5,994.00	10.30	3.90	5,992.54	15.68	-1.39	15.49	10.57	10.00	-23.13	
6,025.00	13.50	1.80	6,022.87	22.06	-1.09	21.88	10.41	10.32	-6.77	
6,057.00	16.60	1.30	6,053.76	30.37	-0.87	30.17	9.70	9.69	-1.56	

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

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)	
6,089.00	19.90	2.00	6,084.15	40.38	-0.57	40.17	10.34	10.31	2.19	
6,120.00	23.10	2.60	6,112.99	51.73	-0.11	51.52	10.35	10.32	1.94	
6,152.00	26.20	3.70	6,142.07	65.06	0.63	64.85	9.79	9.69	3.44	
6,184.00	29.50	4.20	6,170.36	79.97	1.66	79.80	10.34	10.31	1.56	
6,215.00	32.80	4.40	6,196.89	95.96	2.86	95.83	10.65	10.65	0.65	
6,247.00	36.00	4.50	6,223.29	113.98	4.27	113.91	10.00	10.00	0.31	
6,279.00	39.30	5.00	6,248.62	133.45	5.89	133.45	10.36	10.31	1.56	
6,311.00	42.80	5.40	6,272.75	154.38	7.80	154.46	10.97	10.94	1.25	
6,342.00	46.30	5.50	6,294.84	176.03	9.86	176.20	11.29	11.29	0.32	
6,374.00	49.90	5.90	6,316.20	199.72	12.23	200.02	11.29	11.25	1.25	
6,406.00	53.60	6.20	6,336.01	224.71	14.88	225.14	11.59	11.56	0.94	
6,437.00	56.90	6.60	6,353.68	250.02	17.72	250.60	10.70	10.65	1.29	
6,469.00	59.80	6.50	6,370.47	277.08	20.83	277.83	9.07	9.06	-0.31	
6,501.00	62.50	6.90	6,385.91	304.91	24.10	305.84	8.51	8.44	1.25	
6,533.00	65.10	6.60	6,400.03	333.42	27.47	334.54	8.17	8.13	-0.94	
6,564.00	67.20	6.20	6,412.57	361.59	30.63	362.89	6.88	6.77	-1.29	
6,596.00	69.80	5.90	6,424.30	391.20	33.77	392.65	8.17	8.13	-0.94	
6,628.00	73.20	5.90	6,434.45	421.38	36.89	422.99	10.63	10.63	0.00	
6,659.00	77.30	5.90	6,442.34	451.19	39.97	452.96	13.23	13.23	0.00	
6,691.00	80.40	5.90	6,448.53	482.42	43.19	484.35	9.69	9.69	0.00	
6,723.00	83.90	5.50	6,452.90	513.96	46.34	516.04	11.01	10.94	-1.25	
6,815.00	91.10	5.60	6,456.91	605.38	55.23	607.89	7.83	7.83	0.11	
6,847.00	91.50	5.90	6,456.18	637.21	58.43	639.88	1.56	1.25	0.94	
6,878.00	91.40	6.00	6,455.40	668.03	61.64	670.87	0.46	-0.32	0.32	
6,910.00	90.60	4.90	6,454.84	699.88	64.68	702.86	4.25	-2.50	-3.44	
6,942.00	90.30	4.90	6,454.59	731.77	67.41	734.86	0.94	-0.94	0.00	
6,973.00	89.20	4.70	6,454.72	762.66	70.01	765.86	3.61	-3.55	-0.65	
7,005.00	89.00	4.20	6,455.22	794.56	72.49	797.85	1.68	-0.63	-1.56	
7,036.00	89.30	4.40	6,455.68	825.46	74.82	828.85	1.16	0.97	0.65	
7,068.00	88.20	4.60	6,456.38	857.36	77.33	860.84	3.49	-3.44	0.63	
7,100.00	88.30	4.20	6,457.36	889.25	79.78	892.82	1.29	0.31	-1.25	
7,131.00	88.20	3.60	6,458.31	920.16	81.89	923.80	1.96	-0.32	-1.94	
7,163.00	88.20	3.80	6,459.31	952.08	83.95	955.77	0.62	0.00	0.63	
7,195.00	87.20	3.70	6,460.60	983.99	86.04	987.74	3.14	-3.13	-0.31	
7,227.00	87.10	3.50	6,462.19	1,015.88	88.05	1,019.69	0.70	-0.31	-0.63	
7,258.00	87.20	2.90	6,463.73	1,046.80	89.78	1,050.63	1.96	0.32	-1.94	
7,290.00	88.70	4.50	6,464.87	1,078.71	91.84	1,082.60	6.85	4.69	5.00	
7,322.00	89.90	4.60	6,465.26	1,110.60	94.38	1,114.60	3.76	3.75	0.31	
7,353.00	90.70	5.10	6,465.10	1,141.49	97.00	1,145.59	3.04	2.58	1.61	
7,385.00	90.90	6.50	6,464.65	1,173.32	100.23	1,177.59	4.42	0.63	4.38	
7,417.00	90.90	4.60	6,464.15	1,205.17	103.33	1,209.58	5.94	0.00	-5.94	
7,448.00	90.70	1.40	6,463.72	1,236.12	104.95	1,240.55	10.34	-0.65	-10.32	
7,480.00	90.70	2.30	6,463.33	1,268.10	105.98	1,272.50	2.81	0.00	2.81	

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

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)
7,512.00	92.10	1.40	6,462.55	1,300.07	107.02	1,304.44	5.20	4.38	-2.81
7,543.00	92.90	3.80	6,461.19	1,331.01	108.42	1,335.38	8.15	2.58	7.74
7,575.00	92.20	3.70	6,459.77	1,362.91	110.51	1,367.34	2.21	-2.19	-0.31
7,607.00	90.30	4.00	6,459.07	1,394.83	112.66	1,399.32	6.01	-5.94	0.94
7,638.00	89.60	4.60	6,459.10	1,425.74	114.98	1,430.32	2.97	-2.26	1.94
7,670.00	89.20	4.90	6,459.43	1,457.63	117.63	1,462.31	1.56	-1.25	0.94
7,702.00	89.50	5.80	6,459.80	1,489.49	120.62	1,494.31	2.96	0.94	2.81
7,734.00	89.80	5.70	6,459.99	1,521.32	123.82	1,526.31	0.99	0.94	-0.31
7,765.00	89.80	6.00	6,460.10	1,552.16	126.98	1,557.30	0.97	0.00	0.97
7,797.00	90.00	6.30	6,460.16	1,583.98	130.41	1,589.30	1.13	0.63	0.94
7,829.00	90.20	6.20	6,460.10	1,615.79	133.89	1,621.29	0.70	0.63	-0.31
7,860.00	90.30	5.70	6,459.97	1,646.62	137.11	1,652.29	1.64	0.32	-1.61
7,892.00	90.00	5.80	6,459.88	1,678.46	140.31	1,684.29	0.99	-0.94	0.31
7,924.00	90.00	6.20	6,459.88	1,710.28	143.66	1,716.28	1.25	0.00	1.25
7,955.00	88.40	6.90	6,460.31	1,741.08	147.19	1,747.27	5.63	-5.16	2.26
7,987.00	87.50	7.00	6,461.46	1,772.82	151.06	1,779.23	2.83	-2.81	0.31
8,019.00	87.60	6.60	6,462.83	1,804.57	154.85	1,811.19	1.29	0.31	-1.25
8,050.00	87.80	5.80	6,464.07	1,835.36	158.19	1,842.16	2.66	0.65	-2.58
8,082.00	88.00	6.20	6,465.24	1,867.16	161.54	1,874.13	1.40	0.63	1.25
8,114.00	88.20	5.90	6,466.30	1,898.97	164.91	1,906.11	1.13	0.63	-0.94
8,145.00	88.40	5.70	6,467.22	1,929.80	168.04	1,937.09	0.91	0.65	-0.65
8,177.00	88.80	5.50	6,468.01	1,961.63	171.16	1,969.08	1.40	1.25	-0.63
8,209.00	89.10	4.40	6,468.59	1,993.51	173.92	2,001.08	3.56	0.94	-3.44
8,240.00	89.60	4.40	6,468.94	2,024.41	176.30	2,032.07	1.61	1.61	0.00
8,272.00	89.60	5.10	6,469.17	2,056.30	178.95	2,064.07	2.19	0.00	2.19
8,304.00	89.00	5.40	6,469.56	2,088.17	181.88	2,096.07	2.10	-1.88	0.94
8,335.00	89.20	4.90	6,470.05	2,119.04	184.66	2,127.06	1.74	0.65	-1.61
8,367.00	89.80	4.70	6,470.32	2,150.92	187.34	2,159.06	1.98	1.88	-0.63
8,399.00	90.00	4.70	6,470.38	2,182.82	189.96	2,191.06	0.63	0.63	0.00
8,430.00	90.20	5.40	6,470.33	2,213.70	192.69	2,222.06	2.35	0.65	2.26
8,462.00	90.50	4.40	6,470.13	2,245.58	195.42	2,254.06	3.26	0.94	-3.13
8,494.00	91.00	3.90	6,469.71	2,277.49	197.74	2,286.05	2.21	1.56	-1.56
8,525.00	92.00	4.40	6,468.90	2,308.40	199.98	2,317.04	3.61	3.23	1.61
8,557.00	92.60	4.00	6,467.62	2,340.29	202.32	2,349.01	2.25	1.88	-1.25
8,589.00	92.70	4.00	6,466.14	2,372.17	204.55	2,380.97	0.31	0.31	0.00
8,620.00	93.70	5.40	6,464.41	2,403.02	207.09	2,411.92	5.54	3.23	4.52
8,652.00	93.90	6.20	6,462.29	2,434.79	210.31	2,443.84	2.57	0.63	2.50
8,683.00	94.20	6.00	6,460.10	2,465.53	213.60	2,474.76	1.16	0.97	-0.65
8,715.00	92.70	6.60	6,458.17	2,497.28	217.10	2,506.70	5.05	-4.69	1.88
8,747.00	92.00	5.90	6,456.86	2,529.07	220.59	2,538.66	3.09	-2.19	-2.19
8,778.00	91.70	6.10	6,455.86	2,559.88	223.82	2,569.64	1.16	-0.97	0.65
8,810.00	90.20	5.30	6,455.33	2,591.72	227.00	2,601.63	5.31	-4.69	-2.50
8,842.00	88.70	5.50	6,455.63	2,623.57	230.01	2,633.63	4.73	-4.69	0.63

Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

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)	
8,873.00	88.80	5.40	6,456.31	2,654.42	232.96	2,664.62	0.46	0.32	-0.32	
8,905.00	89.00	5.20	6,456.92	2,686.28	235.91	2,696.62	0.88	0.63	-0.63	
8,937.00	89.30	4.50	6,457.40	2,718.16	238.62	2,728.61	2.38	0.94	-2.19	
8,968.00	89.10	4.70	6,457.83	2,749.06	241.10	2,759.61	0.91	-0.65	0.65	
9,000.00	89.30	3.80	6,458.28	2,780.97	243.47	2,791.60	2.88	0.63	-2.81	
9,032.00	89.50	5.20	6,458.61	2,812.87	245.98	2,823.60	4.42	0.63	4.38	
9,063.00	90.80	5.70	6,458.53	2,843.73	248.93	2,854.60	4.49	4.19	1.61	
9,095.00	90.00	5.90	6,458.31	2,875.56	252.16	2,886.59	2.58	-2.50	0.63	
9,126.00	89.10	6.20	6,458.55	2,906.39	255.43	2,917.59	3.06	-2.90	0.97	
9,158.00	90.20	7.10	6,458.75	2,938.17	259.14	2,949.57	4.44	3.44	2.81	
9,190.00	90.10	8.00	6,458.66	2,969.89	263.34	2,981.54	2.83	-0.31	2.81	
9,221.00	90.10	7.80	6,458.61	3,000.60	267.60	3,012.51	0.65	0.00	-0.65	
9,253.00	88.90	7.60	6,458.89	3,032.31	271.89	3,044.47	3.80	-3.75	-0.63	
9,285.00	88.20	7.00	6,459.70	3,064.04	275.95	3,076.44	2.88	-2.19	-1.88	
9,316.00	88.30	6.80	6,460.65	3,094.80	279.67	3,107.41	0.72	0.32	-0.65	
9,348.00	88.50	6.10	6,461.54	3,126.58	283.27	3,139.39	2.27	0.63	-2.19	
9,380.00	88.70	5.90	6,462.32	3,158.40	286.61	3,171.37	0.88	0.63	-0.63	
9,411.00	87.70	6.00	6,463.30	3,189.22	289.82	3,202.35	3.24	-3.23	0.32	
9,443.00	87.40	5.50	6,464.66	3,221.03	293.03	3,234.32	1.82	-0.94	-1.56	
9,475.00	87.60	5.60	6,466.06	3,252.85	296.12	3,266.29	0.70	0.63	0.31	
9,507.00	88.00	5.20	6,467.29	3,284.68	299.13	3,298.27	1.77	1.25	-1.25	
9,538.00	88.20	5.30	6,468.32	3,315.53	301.96	3,329.25	0.72	0.65	0.32	
9,570.00	86.60	4.90	6,469.77	3,347.37	304.80	3,361.22	5.15	-5.00	-1.25	
9,602.00	85.40	5.70	6,472.00	3,379.16	307.75	3,393.14	4.50	-3.75	2.50	
9,634.00	85.10	5.20	6,474.65	3,410.90	310.78	3,425.03	1.82	-0.94	-1.56	
9,665.00	83.30	5.70	6,477.78	3,441.60	313.71	3,455.87	6.02	-5.81	1.61	
9,697.00	84.20	5.50	6,481.27	3,473.26	316.81	3,487.67	2.88	2.81	-0.63	
9,729.00	84.20	5.00	6,484.50	3,504.96	319.73	3,519.51	1.55	0.00	-1.56	
9,760.00	84.20	4.60	6,487.63	3,535.70	322.31	3,550.35	1.28	0.00	-1.29	
9,792.00	84.40	4.90	6,490.81	3,567.43	324.95	3,582.19	1.12	0.63	0.94	
9,824.00	84.50	4.40	6,493.91	3,599.17	327.53	3,614.04	1.59	0.31	-1.56	
9,855.00	85.40	3.60	6,496.63	3,629.98	329.68	3,644.91	3.88	2.90	-2.58	
9,887.00	85.60	2.80	6,499.14	3,661.83	331.46	3,676.80	2.57	0.63	-2.50	
9,918.00	85.90	3.40	6,501.44	3,692.70	333.13	3,707.69	2.16	0.97	1.94	
9,950.00	86.00	3.40	6,503.70	3,724.56	335.03	3,739.60	0.31	0.31	0.00	
9,982.00	86.50	3.60	6,505.80	3,756.43	336.98	3,771.52	1.68	1.56	0.63	
10,014.00	86.30	4.00	6,507.80	3,788.30	339.09	3,803.45	1.40	-0.63	1.25	
10,046.00	85.80	4.80	6,510.01	3,820.13	341.54	3,835.37	2.94	-1.56	2.50	
10,078.00	85.90	4.40	6,512.32	3,851.94	344.10	3,867.28	1.29	0.31	-1.25	
10,110.00	86.00	4.70	6,514.58	3,883.76	346.63	3,899.20	0.99	0.31	0.94	
10,192.00	86.00	4.70	6,520.30	3,965.29	353.34	3,981.00	0.00	0.00	0.00	
Projection to TD-10192.00' MD										



Company:	Carrizo Oil & Gas	Local Co-ordinate Reference:	Well 26-44-8-61
Project:	Weld County, Colorado (NAD83)	TVD Reference:	WELL @ 4998.50usft (Cade 22)
Site:	Orlando Hill	MD Reference:	WELL @ 4998.50usft (Cade 22)
Well:	26-44-8-61	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	Southern Region

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5,367.00	5,366.52	-9.13	-15.84	Tie-In to Pilot Hole-5367.00' MD
10,192.00	6,520.30	3,965.29	353.34	Projection to TD-10192.00' MD



JOB NO.:	DDOK-110205	Report Time:	2400	1 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Thursday, May 05, 2011 at 0000 to Thursday, May 05, 2011 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.	2.00	Percent Slide:	NA	Chlorides	0	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth	N/A				
Second Directional :											
MWD Operator1	Mike Valentine										
MWD Operator2	Frank Zitkovic										
Directional Company:	MS Energy Directional										
Geologist:				Signature:							
Company Man:	Phil Wilson										
Incl. In:	0	Azm. In:	0	Incl. Out:	0.8	Azm. Out:	290.9	Daily Cost	\$23,210.00		
							Cummulative Cost:	\$23,210.00			

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 3-\$225.00; L.I.H. insurance (Motor)-\$550.00; Inspect/recut/redress x 3-\$1050.00; Motor rebuild charge (#77055D)-\$685.00; Mob/Demob-\$10,000.00; Tool basket-\$600.00
Total Daily Cost: \$23,210.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
5-May-11	00:00	21:00	21.00	0	0	Standby	In route to location (Orlandp Hill 26-44-8-61)
5-May-11	21:00	22:00	1.00	0	0	Standby	Check, measure and calliper tools
5-May-11	22:00	24:00	2.00	70	70	Change BHA	P/U & M/U BHA #1: Scribe, Install MWD.



JOB NO.:	DDOK-110205	Report Time:	2400	2 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Friday, May 06, 2011 at 0000 to Friday, May 06, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters																	
Start Depth		70.00		Rotary Hours		19.00		WOB		10		Pick UP		0		Slack Off		0		SPM			
End Depth		1410.00		Circulating Hours		1.25		RAB		0		SPP		900		FlowRate		0 - 0		123			
Total Drilled:		1280.00		Avg. Total ROP:		67.37		Mud Data															
Total Rotary Drilled:		1280.00		Avg. Rotary ROP:		67.37		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:		100.00		Viscosity		0		SAND		0		PH		0		Flow T°		0	
Below Rotary Hrs.		24.00		Percent Slide:		.00		Chlorides		0		WL		0						Oil %		0	
PERSONNEL								CASING								BHA							
Lead Directional :				Mike Reynosa				Size		Lb/ft		Set Depth				BHA # 1:12 1/4, B221, Hughes Rock bit, 7 3/4, 4/5, 5.3 set @ 1.5 w/12in stab, 7 3/4 Float sub (plunger type), X-over 6 5/8 Reg x 4 1/2 XH, UBHO sub , 6 1/2 Non-Mag Monel (slick), 6 1/2 Non-Mag Monel (slick), ,							
Second Directional :								Signature:															
MWD Operator1				Mike Valentine																			
MWD Operator2				Frank Zitkovic																			
Directional Company:				MS Energy Directional																			
Geologist:																							
Company Man:				Phil Wilson												Daily Cost				\$10,875.00			
Incl. In:		0.8		Azm. In:		290.9		Incl. Out:		1.1		Azm. Out:		281.1		Cummulative Cost:				\$34,085.00			

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 3-\$225.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$10,875.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
6-May-11	00:00	06:15	6.25	70	416	Drilling	Drilling: (WOB:10; GPM:429; RPM:60; DIFF:100)
6-May-11	06:15	07:00	0.75	416	476	Rig Service-Inhole	Rig Service-Inhole: Lubricate Rig.
6-May-11	07:00	08:15	1.25	476	566	Drilling	Drilling - (WOB:10;GPM :0;RPM:60)
6-May-11	08:15	08:30	0.25	566	566	Rig repair	Rig repair: Rig Maintenance on Mud pumps.
6-May-11	08:30	14:30	6.00	566	961	Drilling	Drilling - (WOB:10;GPM :0;RPM:60)
6-May-11	14:30	15:30	1.00	961	961	Rig repair	Rig repair: Working on Boot on flowline.
6-May-11	15:30	21:00	5.50	961	1410	Drilling	Drilling - (WOB:10;GPM :0;RPM:60)
6-May-11	21:00	21:30	0.50	1410	1410	Circulating	Circulating
6-May-11	21:30	24:00	2.50	1410	1410	POOH	POOH: Lay down directional tools and run casing.



JOB NO.:	DDOK-110205	Report Time:	2400	3 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECT\ RANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Saturday, May 07, 2011 at 0000 to Saturday, May 07, 2011 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	0.00	Rotary Hours	0.00	WOB	10	Pick UP	0	Slack Off	0	SPM		
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	900	FlowRate	0 - 429	123		
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	8.8	GAS	0	YP	0	BHT°	0	
Slide Hours:	0.00	Percent Rotary:	NA	Viscosity	32	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 :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 2:8 3/4",UD513, Ulterra PDC bit, 6 3/4",6/7,5.0 set @ 2.12", 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,				
Second Directional :				Signature:								
MWD Operator1	Mike Valentine											
MWD Operator2	Frank Zitkovic											
Directional Company:	MS Energy Directional											
Geologist:												
Company Man:	Phil Wilson							Daily Cost		\$10,875.00		
Incl. In:	1.1	Azm. In:	281.8	Incl. Out:	1.1	Azm. Out:	281.8	Cummulative Cost:		\$44,960.00		

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 3-\$225.00
Total Daily Cost: \$10,325.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
7-May-11	00:00	01:30	1.50	1410	1410	Change BHA	Breakdown & Laydown BHA #1.
7-May-11	01:30	24:00	22.50	1410	1410	Other	Directional Services no longer needed.



JOB NO.:	DDOK-110205	Report Time:	2400	4 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Sunday, May 22, 2011 at 0000 to Sunday, May 22, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters											
Start Depth	0.00		Rotary Hours	0.00		WOB	10		Pick UP	0		Slack Off	0		SPM		
End Depth	0.00		Circulating Hours	0.00		RAB	0		SPP	900		FlowRate	429 - 429		123		
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	8.8		GAS	0		YP	0		BHT°	0	
Slide Hours:	0.00		Percent Rotary:	NA		Viscosity	32		SAND	0		PH	0		Flow T°	0	
Below Rotary Hrs.	0.00		Percent Slide:	NA		Chlorides	0		WL	0					Oil %	0	
PERSONNEL						CASING						BHA					
Lead Directional :		Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 1:12 1/4, B221, Hughes Rock bit, 7 3/4, 4/5, 5.3 set @ 1.5 w/12in stab, 7 3/4 Float sub (plunger type), X-over 6 5/8 Reg x 4 1/2 XH, UBHO sub , 6 1/2 Non-Mag Monel (slick), 6 1/2 Non-Mag Monel (slick) ,					
Second Directional :		Randy Lee/Trainee				Signature:											
MWD Operator1		Mike Valentine															
MWD Operator2																	
Directional Company:		MS Energy Directional Services															
Geologist:																	
Company Man:		Phil Wilson										Daily Cost		\$7,800.00			
Incl. In:	0		Azm. In:	0		Incl. Out:	0		Azm. Out:	0		Cummulative Cost:		\$52,760.00			

GENERAL COMMENT

Daily Cost Breakdown: Standby cost-\$7,575.00; Subsistence charge x 3-\$225.00
Total Daily Cost: \$7,800.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
22-May-11	00:00	15:30	15.50	1410	1410	Standby	In route to location: Olando Hill.
22-May-11	15:30	24:00	8.50	1410	1410	Standby	Standby: W.O.C.



JOB NO.:	DDOK-110205	Report Time:	2400	5 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Monday, May 23, 2011 at 0000 to Monday, May 23, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	4925.00	Rotary Hours	9.00	WOB	10	Pick UP	125	Slack Off	115	SPM	
End Depth	5388.00	Circulating Hours	0.50	RAB	120	SPP	900	FlowRate	0 - 330	95	
Total Drilled:	463.00	Avg. Total ROP:	51.44	Mud Data							
Total Rotary Drilled:	463.00	Avg. Rotary ROP:	51.44	Type				PV	0	SOLID	0
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	9.5	GAS	0	YP	0	BHT°	0
Slide Hours:	0.00	Percent Rotary:	100.00	Viscosity	40	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	12.00	Percent Slide:	.00	Chlorides	0	WL	0			Oil %	0
PERSONNEL				CASING				BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,			
Second Directional :	Randy Lee/Trainee			Signature:							
MWD Operator1	Mike Valentine										
MWD Operator2	Frank Zitkovic										
Directional Company:	MS Energy Directional Services										
Geologist:											
Company Man:	Phil Wilson						Daily Cost		\$10,950.00		
Incl. In:	0	Azm. In:	0	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:		\$63,710.00	

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 4-\$300.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$10,950.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
23-May-11	00:00	02:00	2.00	0	0	Standby	Standby: waiting on cement.
23-May-11	02:00	04:00	2.00	0	0	Change BHA	P/U & M/U BHA.
23-May-11	04:00	14:00	10.00	0	0	Standby	Standby: Waiting on cement.
23-May-11	14:00	15:30	1.50	4925	5007	Drilling Cement	Drilling - (WOB:10;GPM:330;RPM:30;DIFF:150)
23-May-11	15:30	16:00	0.50	5007	5007	Other	Install Rotating Head.
23-May-11	16:00	18:00	2.00	5007	5071	Drilling Cement	Drilling - (WOB:10;GPM :0;RPM:60)
23-May-11	18:00	18:30	0.50	5071	5071	Rig Service-Inhole	Rig Service-Inhole
23-May-11	18:30	24:00	5.50	5071	5388	Drilling Cement	Drilling - (WOB:10;GPM :0;RPM:60)



JOB NO.:	DDOK-110205	Report Time:	2400	6 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Tuesday, May 24, 2011 at 0000 to Tuesday, May 24, 2011 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	5388.00	Rotary Hours	7.25	WOB	15	Pick UP	125	Slack Off	115	SPM		
End Depth	5528.00	Circulating Hours	9.50	RAB	120	SPP	2100	FlowRate	0 - 418	120		
Total Drilled:	140.00	Avg. Total ROP:	11.67	Mud Data								
Total Rotary Drilled:	98.00	Avg. Rotary ROP:	13.52	Type				PV	0	SOLID	0	
Total Drilled Sliding:	42.00	Avg. Slide ROP:	8.84	Weight	9.5	GAS	0	YP	0	BHT°	0	
Slide Hours:	4.75	Percent Rotary:	70.00	Viscosity	58	SAND	0	PH	0	Flow T°	0	
Below Rotary Hrs.	24.00	Percent Slide:	30.00	Chlorides	0	WL	0			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,				
Second Directional :	Billy Spurgeon /Randy Lee/Trainee			Signature:								
MWD Operator1	Mike Valentine											
MWD Operator2	Frank Zitkovic											
Directional Company:	MS Energy Directional Services											
Geologist:							Daily Cost		\$13,110.00			
Company Man:	Phil Wilson						Cumulative Cost:		\$76,820.00			
Incl. In:	0	Azm. In:	0	Incl. Out:	1.5	Azm. Out:	42.4					

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00; Inspect/recut/redress x 4-\$1400.00; Motor rebuild charge (#67D1320SR)-\$685.00
Total Daily Cost: \$13,110.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
24-May-11	00:00	04:15	4.25	5388	5420	Sliding	Drilling - (WOB:30;GPM:355;TF:345MTF; DIFF:135)
24-May-11	04:15	06:30	2.25	5420	5430	Drilling	Drilling - (WOB:15;GPM:355;RPM:30;DIFF:100)
24-May-11	06:30	07:00	0.50	5430	5430	Circulating	Circulating: Build & Pump slug.
24-May-11	07:00	08:00	1.00	5430	5430	POOH	Rack Kelly back and POOH to 4800'
24-May-11	08:00	11:00	3.00	5430	5430	Circulating	Circulate & Condition mud:Treat contaminated mud.
24-May-11	11:00	11:30	0.50	5430	5430	TIH	TIH to 5420'.
24-May-11	11:30	12:30	1.00	5430	5430	Circulating	Circulate btms up.
24-May-11	12:30	13:30	1.00	5430	5430	POOH	POOH to 5252'
24-May-11	13:30	15:30	2.00	5430	5430	Circulating	Re-Logging Gamma f/ 5252' - 5420'
24-May-11	15:30	18:30	3.00	5430	5430	Circulating	Circulating: W.O.O.
24-May-11	18:30	21:45	3.25	5430	5483	Drilling	Drilling - (WOB:15;GPM :355;RPM:30;DIFF:150)
24-May-11	21:45	22:15	0.50	5483	5493	Sliding	Sliding- (WOB:10;GPM:355;
24-May-11	22:15	24:00	1.75	5493	5528	Drilling	Drilling - (WOB:15;GPM :355;RPM:30)



JOB NO.:	DDOK-110205	Report Time:	2400	7 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Wednesday, May 25, 2011 at 0000 to Wednesday, May 25, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters									
Start Depth	5528.00		Rotary Hours		22.50	WOB	12		Pick UP	145		Slack Off	135		SPM
End Depth	6040.00		Circulating Hours		0.50	RAB	140		SPP	2200		FlowRate	418 - 447		128
Total Drilled:	465.00		Avg. Total ROP:		15.50	Mud Data									
Total Rotary Drilled:	352.00		Avg. Rotary ROP:		15.64	Type	Water-based				PV	11	SOLID	7.9	
Total Drilled Sliding:	113.00		Avg. Slide ROP:		15.07	Weight	9.4		GAS	0	YP	13	BHT°	129	
Slide Hours:	7.50		Percent Rotary:		75.70	Viscosity	47		SAND	0.5	PH	12	Flow T°	100	
Below Rotary Hrs.	32.75		Percent Slide:		24.30	Chlorides	800		WL	16			Oil %	0	
PERSONNEL						CASING						BHA			
Lead Directional :		Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,			
Second Directional :		Billy Spurgeon /Randy Lee/Trainee				Signature:									
MWD Operator1		Mike Valentine													
MWD Operator2		Frank Zitkovic													
Directional Company:		MS Energy Directional Services													
Geologist:															
Company Man:		Phil Wilson										Daily Cost		\$11,025.00	
Incl. In:	1.5	Azm. In:	42.4	Incl. Out:	7.1	Azm. Out:	11.3	Cummulative Cost:		\$87,845.00					

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
25-May-11	00:00	07:00	7.00	5528	5737	Drilling	Drilling (WOB:15;GPM:418; RPM:30;DIFF:250)
25-May-11	07:00	07:15	0.25	5737	5737	Rig Service-Inhole	Rig Service-Inhole
25-May-11	07:15	08:00	0.75	5737	5773	Drilling	Drilling - (WOB:15;GPM :418;RPM:30;DIFF:150)
25-May-11	08:00	08:45	0.75	5773	5773	Rig repair	Rig repair: Work on standpipe.
25-May-11	08:45	09:00	0.25	5773	5786	Drilling	Drilling - (WOB:15;GPM :418;RPM:30;DIFF:150)
25-May-11	09:00	09:30	0.50	5786	5786	Rig repair	Rig repair: Weld on standpipe.
25-May-11	09:30	11:30	2.00	5786	5905	Drilling	Drilling - (WOB:15;GPM :418;RPM:30;DIFF:250)
25-May-11	11:30	24:00	12.50	5930	5905	Drilling	Drilling - (WOB:15;GPM :418;RPM:30;DIFF:250)
25-May-11	15:15	15:30	0.25	5927	5927	Survey & Conn.	Survey & Conn.
25-May-11	15:30	15:45	0.25	5927	5930	Sliding	Sliding - (WOB:12;GPM :430;TFO:5MTF;DIFF:100)
25-May-11	15:45	16:00	0.25	5930	5930	Rig repair	Rig repair: Work on Mud Pumps.
25-May-11	16:00	17:30	1.50	5930	5959	Sliding	Sliding - (WOB:12;GPM :430;TFO:5MTF;DIFF:150)
25-May-11	17:30	17:45	0.25	5959	5959	Rig Service-Inhole	Rig Service-Inhole
25-May-11	17:45	18:00	0.25	5959	5963	Sliding	Sliding - (WOB:12;GPM :430;TFO:5)
25-May-11	18:00	18:30	0.50	5963	5963	Rig repair	Rig repair: Work on Mud Pumps.
25-May-11	18:30	24:00	5.50	5963	6040	Sliding	Sliding - (WOB:7;GPM :447;TFO:5)



JOB NO.:	DDOK-110205	Report Time:	2400	8 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Thursday, May 26, 2011 at 0000 to Thursday, May 26, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters											
Start Depth	6040.00		Rotary Hours		0.75	WOB	10		Pick UP	145		Slack Off	135		SPM		
End Depth	6476.00		Circulating Hours		0.25	RAB	140		SPP	2200		FlowRate	0 - 447		128		
Total Drilled:	436.00		Avg. Total ROP:		23.57	Mud Data											
Total Rotary Drilled:	20.00		Avg. Rotary ROP:		26.67	Type					PV	0	SOLID	0			
Total Drilled Sliding:	416.00		Avg. Slide ROP:		23.44	Weight	0		GAS	0	YP	0	BHT°	0			
Slide Hours:	17.75		Percent Rotary:		4.59	Viscosity	0		SAND	0	PH	0	Flow T°	0			
Below Rotary Hrs.	24.00		Percent Slide:		95.41	Chlorides	0		WL	0			Oil %	0			
PERSONNEL						CASING						BHA					
Lead Directional :		Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,					
Second Directional :		Billy Spurgeon /Randy Lee/Trainee				Signature:											
MWD Operator1		Mike Valentine															
MWD Operator2		Frank Zitkovic															
Directional Company:		MS Energy Directional Services															
Geologist:																	
Company Man:		Phil Wilson										Daily Cost		\$11,025.00			
Incl. In:	7.1	Azm. In:	11.3	Incl. Out:	56.9	Azm. Out:		6.6		Cummulative Cost:		\$98,870.00					

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Target Change: Given @ 23:00 Hrs / 6450' MD / 6361' TVD / 56.65° Inc.

****Target TVD = 6477' KBTVD @ 0.0 VS w/ 0.0 Dip*****

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-May-11	00:00	07:00	7.00	6040	6149	Sliding	Sliding - (WOB:7;GPM :447;TF:H/S;DIFF:150)
26-May-11	07:00	07:15	0.25	6149	6149	Survey & Conn.	Survey & Conn.
26-May-11	07:15	08:45	1.50	6149	6180	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:100)
26-May-11	08:45	09:00	0.25	6180	6180	Rig Service-Inhole	Rig Service-Inhole
26-May-11	09:00	09:15	0.25	6180	6180	Survey & Conn.	Survey & Conn.
26-May-11	09:15	10:15	1.00	6180	6212	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)
26-May-11	10:15	10:30	0.25	6212	6212	Survey & Conn.	Survey & Conn.
26-May-11	10:30	11:30	1.00	6212	6244	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)
26-May-11	11:30	11:45	0.25	6244	6244	Survey & Conn.	Survey & Conn.
26-May-11	11:45	13:15	1.50	6244	6275	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)
26-May-11	13:15	13:30	0.25	6275	6275	Survey & Conn.	Survey & Conn.
26-May-11	13:30	14:30	1.00	6275	6307	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)
26-May-11	14:30	14:45	0.25	6307	6307	Survey & Conn.	Survey & Conn.
26-May-11	14:45	15:15	0.50	6307	6339	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)
26-May-11	15:15	15:30	0.25	6339	6339	Survey & Conn.	Survey & Conn.
26-May-11	15:30	16:15	0.75	6339	6371	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:125)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
26-May-11	16:15	16:30	0.25	6371	6371	Survey & Conn.	Survey & Conn.
26-May-11	16:30	17:15	0.75	6371	6395	Sliding	Sliding - (WOB:7;GPM :447;TFO:0)
26-May-11	17:15	18:00	0.75	6395	6395	Other	Witts down Rebooting Pason
26-May-11	18:00	18:30	0.50	6395	6402	Sliding	Sliding - (WOB:7;GPM :447;TFO:0)
26-May-11	18:30	18:45	0.25	6402	6402	Rig repair	Work on Pumps
26-May-11	18:45	19:00	0.25	6402	6402	Survey & Conn.	Survey & Conn.
26-May-11	19:00	19:15	0.25	6402	6402	Rig repair	Work on Pumps
26-May-11	19:15	20:45	1.50	6402	6434	Sliding	Sliding - (WOB:7;GPM :447;TFO:0)
26-May-11	20:45	22:00	1.25	6434	6434	Rig repair	Work on Pumps
26-May-11	22:00	22:15	0.25	6434	6434	Survey & Conn.	Survey & Conn.
26-May-11	22:15	22:30	0.25	6434	6444	Drilling	Rotate- WOB:10;RPM:30; GPM:447;DIFF:150
26-May-11	22:30	23:15	0.75	6444	6466	Sliding	Sliding - (WOB:14;GPM :447;TFO:0;DIFF:100)
26-May-11	23:15	23:30	0.25	6466	6466	Survey & Conn.	Survey & Conn.
26-May-11	23:30	24:00	0.50	6466	6476	Drilling	Drilling - (WOB:10;GPM :0;RPM:0;)



JOB NO.:	DDOK-110205	Report Time:	2400	9 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Friday, May 27, 2011 at 0000 to Friday, May 27, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters									
Start Depth	6476.00		Rotary Hours		2.00	WOB	0		Pick UP	145		Slack Off	135		SPM
End Depth	6798.00		Circulating Hours		1.25	RAB	140		SPP	0		FlowRate	447 - 447		0
Total Drilled:	322.00		Avg. Total ROP:		20.77	Mud Data									
Total Rotary Drilled:	74.00		Avg. Rotary ROP:		37.00	Type	Water-based				PV	23	SOLID	8.7	
Total Drilled Sliding:	248.00		Avg. Slide ROP:		18.37	Weight	9.5		GAS	0	YP	13	BHT°	145	
Slide Hours:	13.50		Percent Rotary:		22.98	Viscosity	56		SAND	0.5	PH	9.5	Flow T°	115	
Below Rotary Hrs.	24.00		Percent Slide:		77.02	Chlorides	650		WL	8			Oil %	0	
PERSONNEL						CASING						BHA			
Lead Directional :		Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,			
Second Directional :		Billy Spurgeon /Randy Lee/Trainee				Signature:									
MWD Operator1		Mike Valentine													
MWD Operator2		Frank Zitkovic													
Directional Company:		MS Energy Directional Services													
Geologist:															
Company Man:		Phil Wilson										Daily Cost		\$11,025.00	
Incl. In:	56.9	Azm. In:	6.6	Incl. Out:	83.9	Azm. Out:		5.5	Cummulative Cost:		\$109,895.00				

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-May-11	00:00	00:30	0.50	6476	6497	Sliding	Sliding - (WOB:7;GPM :447;TFO:0;DIFF:100)
27-May-11	00:30	00:45	0.25	6497	6497	Survey & Conn.	Survey & Conn.
27-May-11	00:45	01:15	0.50	6497	6507	Drilling	Rot - (WOB:10;RPM:30;GPM:447;DIFF:150)
27-May-11	01:15	01:45	0.50	6507	6529	Sliding	Sliding - (WOB:20;GPM :447;TFO:0;Diff:100)
27-May-11	01:45	02:00	0.25	6529	6529	Survey & Conn.	Survey & Conn.
27-May-11	02:00	02:15	0.25	6529	6539	Drilling	Drilling - (WOB:10;GPM:447;RPM:30;DIFF:150)
27-May-11	02:15	03:45	1.50	6539	6561	Sliding	Sliding - (WOB:25;GPM :447;TFO:0;DIFF:100)
27-May-11	03:45	04:00	0.25	6561	6561	Survey & Conn.	Survey & Conn.
27-May-11	04:00	04:15	0.25	6561	6573	Drilling	Drilling - (WOB:10;GPM :447;RPM:30;DIFF:150)
27-May-11	04:15	05:30	1.25	6573	6593	Sliding	Sliding - (WOB:25;GPM :447;TFO:0;DIFF:100)
27-May-11	05:30	05:45	0.25	6593	6593	Survey & Conn.	Survey & Conn.
27-May-11	05:45	06:00	0.25	6593	6605	Drilling	Drilling - (WOB:10;GPM :447;RPM:0;DIFF:150)
27-May-11	06:00	07:30	1.50	6605	6624	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	07:30	07:45	0.25	6624	6624	Rig Service-Inhole	Rig Service.
27-May-11	07:45	08:00	0.25	6624	6624	Survey & Conn.	Survey & Conn.
27-May-11	08:00	09:30	1.50	6624	6656	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	09:30	09:45	0.25	6656	6656	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
27-May-11	09:45	11:00	1.25	6656	6656	Rig repair	Rig repair- Pump
27-May-11	11:00	12:45	1.75	6656	6688	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	12:45	13:00	0.25	6688	6688	Survey & Conn.	Survey & Conn.
27-May-11	13:00	13:30	0.50	6688	6703	Drilling	Drilling - (WOB:10;GPM :447;RPM:0;DIFF:150)
27-May-11	13:30	14:45	1.25	6703	6719	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	14:45	15:00	0.25	6719	6719	Survey & Conn.	Survey & Conn.
27-May-11	15:00	16:45	1.75	6719	6751	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	16:45	17:00	0.25	6751	6751	Survey & Conn.	Survey & Conn.
27-May-11	17:00	17:30	0.50	6751	6761	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	17:30	18:00	0.50	6761	6761	Rig repair	Rig repair- Swap Pump (Work on same Pump)
27-May-11	18:00	19:30	1.50	6761	6783	Sliding	Sliding - (WOB:30;GPM :447;TFO:0;DIFF:100)
27-May-11	19:30	19:45	0.25	6783	6783	Survey & Conn.	Survey & Conn.
27-May-11	19:45	20:00	0.25	6783	6798	Drilling	Drilling - (WOB:10;GPM :447;RPM:0;DIFF:150)
27-May-11	20:00	20:15	0.25	6798	6798	Survey & Conn.	Survey & Conn.- Check Shot
27-May-11	20:15	22:30	2.25	6798	6798	Short Trip	Short Trip
27-May-11	22:30	23:30	1.00	6798	6798	Circulating	Circulate Bottoms Up
27-May-11	23:30	24:00	0.50	6798	6798	POOH	POOH



JOB NO.:	DDOK-110205	Report Time:	2400	10 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Saturday, May 28, 2011 at 0000 to Saturday, May 28, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters															
Start Depth		0.00		Rotary Hours		0.00		WOB		0		Pick UP		145		Slack Off		130		SPM	
End Depth		0.00		Circulating Hours		0.00		RAB		140		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	Water-based					PV	23	SOLID	8.7				
Total Drilled Sliding:		0.00		Avg. Slide ROP:		NA		Weight		9.5		GAS	0	YP	13	BHT°	145				
Slide Hours:		0.00		Percent Rotary:		NA		Viscosity		56		SAND	0.5	PH	9.5	Flow T°	115				
Below Rotary Hrs.		5.50		Percent Slide:		NA		Chlorides		650		WL	8				Oil %	0			
PERSONNEL								CASING						BHA							
Lead Directional :				Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 2:8 3/4", UD513, Ulterra PDC bit, 6 3/4", 6/7, 5.0 set @ 2.12°, 6 3/4" Float sub (plunger type), 6 1/2", UBHO sub, 6 3/4" Non-Mag Monel (slick), 6 3/4" Non-Mag Monel (flex), X-over, ,							
Second Directional :				Billy Spurgeon /Randy Lee/Trainee				Signature:													
MWD Operator1				Mike Valentine																	
MWD Operator2				Frank Zitkovic																	
Directional Company:				MS Energy Directional Services																	
Geologist:																					
Company Man:				Phil Wilson										Daily Cost		\$11,025.00					
Incl. In:		83.9		Azm. In:		5.5		Incl. Out:		83.9		Azm. Out:		5.5		Cummulative Cost:		\$120,920.00			

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
28-May-11	00:00	03:30	3.50	6798	6798	POOH	POOH
28-May-11	03:30	05:30	2.00	6798	6798	Change BHA	L/D BHA #2
28-May-11	05:30	24:00	18.50	6798	6798	Standby	Standby



JOB NO.:	DDOK-110205	Report Time:	2400	11 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Sunday, May 29, 2011 at 0000 to Sunday, May 29, 2011 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	6798.00	Rotary Hours	2.00	WOB	0	Pick UP	145	Slack Off	130	SPM		
End Depth	6800.00	Circulating Hours	4.25	RAB	140	SPP	952	FlowRate	0 - 251	50		
Total Drilled:	2.00	Avg. Total ROP:	1.00	Mud Data								
Total Rotary Drilled:	2.00	Avg. Rotary ROP:	1.00	Type	Water-based			PV	23	SOLID	8.7	
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA	Weight	9.5	GAS	0	YP	13	BHT°	145	
Slide Hours:	0.00	Percent Rotary:	100.00	Viscosity	56	SAND	0.5	PH	9.5	Flow T°	115	
Below Rotary Hrs.	15.00	Percent Slide:	.00	Chlorides	650	WL	8			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8", QD405, Hughes PDC bit, 4 3/4", 5/6, 8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,				
Second Directional :	Billy Spurgeon /Randy Lee/Trainee			Signature:								
MWD Operator1	Mike Valentine											
MWD Operator2	Frank Zitkovic											
Directional Company:	MS Energy Directional Services											
Geologist:												
Company Man:	Phil Wilson						Daily Cost		\$13,460.00			
Incl. In:	83.9	Azm. In:	5.5	Incl. Out:	83.9	Azm. Out:	5.5	Cummulative Cost:		\$134,380.00		

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00; Inspect/recut/redress x 5-\$1,750.00; Motor rebuild charge (#47D2353GD)-\$685.00
Total Daily Cost: \$13,460.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
29-May-11	00:00	09:00	9.00	6798	6798	Standby	Standby during casing ops.
29-May-11	09:00	11:00	2.00	6798	6798	Change BHA	P/U BHA #3: Scribe, install MWD and test same.
29-May-11	11:00	11:30	0.50	6798	6798	Rig Service-Inhole	Rig Service-Inhole
29-May-11	11:30	16:00	4.50	6798	6798	TIH	TIH (slm) to 6617'.
29-May-11	16:00	16:30	0.50	6798	6798	Circulating	Breakdown last stand, P/U kelly, fill pipe.
29-May-11	16:30	17:00	0.50	6798	6798	Other	Install Rotating head rubber.
29-May-11	17:00	17:30	0.50	6798	6798	Rig repair	Rig repair: Work on mud pumps (trouble-shooting throttles.)
29-May-11	17:30	17:45	0.25	6798	6798	Circulating	Circulating: Drilling cement to 6685' (WOB:10;GPM:227;RPM:33; DIFF:100)
29-May-11	17:45	19:00	1.25	6798	6798	Rig repair	Rig repair: Trouble-shoot mud pumps.
29-May-11	19:00	21:00	2.00	6798	6800	Drilling	Drilling Cmt & New Formation (WOB:10;RPM:45;GPM:227;DIFF:150)
29-May-11	21:00	24:00	3.00	6800	6800	Circulating	Circulating- Working on pumps.



JOB NO.:	DDOK-110205	Report Time:	2400	12 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Monday, May 30, 2011 at 0000 to Monday, May 30, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters													
Start Depth		6800.00	Rotary Hours		3.25	WOB	14		Pick UP	145		Slack Off	130		SPM				
End Depth		6954.00	Circulating Hours		6.75	RAB	140		SPP	1800		FlowRate	175 - 274		113				
Total Drilled:		154.00	Avg. Total ROP:		34.22	Mud Data													
Total Rotary Drilled:		128.00	Avg. Rotary ROP:		39.38	Type	Water-based				PV	21	SOLID	6.5					
Total Drilled Sliding:		26.00	Avg. Slide ROP:		20.80	Weight		9.2		GAS	0	YP	14	BHT°	145				
Slide Hours:		1.25	Percent Rotary:		83.12	Viscosity		53		SAND	0.5	PH	9.5	Flow T°	120				
Below Rotary Hrs.		24.00	Percent Slide:		16.88	Chlorides		650		WL	7.8				Oil %	0			
PERSONNEL						CASING						BHA							
Lead Directional :		Mike Reynosa				Size		Lb/ft		Set Depth		BHA # 3:6 1/8",QD405, Hughes PDC bit, 4 3/4",5/6,8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,							
Second Directional :		Billy Spurgeon /Randy Lee/Trainee				Signature:													
MWD Operator1		Mike Valentine																	
MWD Operator2		Frank Zitkovic																	
Directional Company:		MS Energy Directional Services																	
Geologist:																			
Company Man:		Phil Wilson										Daily Cost		\$11,025.00					
Incl. In:	83.9	Azm. In:	5.5	Incl. Out:	91.4	Azm. Out:		6		Cummulative Cost:		\$145,405.00							

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
30-May-11	00:00	06:00	6.00	6800	6800	Circulating	Circulating- Working on Pumps.
30-May-11	06:00	08:30	2.50	6800	6880	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:350)
30-May-11	08:30	08:45	0.25	6880	6880	Survey & Conn.	Survey & Conn.
30-May-11	08:45	09:30	0.75	6880	6880	Circulating	Circulating
30-May-11	09:30	10:15	0.75	6880	6880	POOH	POOH to 5542' for MWD failure.
30-May-11	10:15	12:15	2.00	6880	6880	Wireline	Wireline MWD: Tool hanging -up 1600' from bottom, attempt to pull out, send back to bottom and cut wireline.
30-May-11	12:15	15:30	3.25	6880	6880	POOH	POOH for MWD.
30-May-11	15:30	16:15	0.75	6880	6880	Other	Change out MWD & Test.
30-May-11	16:15	21:00	4.75	6880	6880	TIH	TIH
30-May-11	21:00	21:30	0.50	6880	6880	Rig repair	Work on Pumps
30-May-11	21:30	22:15	0.75	6880	6895	Sliding	Sliding - (WOB:14;GPM :274;TFO:170L;DIFF:200)
30-May-11	22:15	22:30	0.25	6895	6912	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
30-May-11	22:30	22:45	0.25	6912	6912	Survey & Conn.	Survey & Conn.
30-May-11	22:45	23:15	0.50	6912	6943	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
30-May-11	23:15	23:30	0.25	6943	6943	Survey & Conn.	Survey & Conn.
30-May-11	23:30	24:00	0.50	6943	6954	Sliding	Sliding - (WOB:14;GPM :274;TFO:165L;DIFF:300)



JOB NO.:	DDOK-110205	Report Time:	2400	13 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Tuesday, May 31, 2011 at 0000 to Tuesday, May 31, 2011 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	6954.00	Rotary Hours	11.00	WOB	12	Pick UP	145	Slack Off	130	SPM		
End Depth	7703.00	Circulating Hours	0.00	RAB	140	SPP	1800	FlowRate	274 - 274	113		
Total Drilled:	749.00	Avg. Total ROP:	41.04	Mud Data								
Total Rotary Drilled:	573.00	Avg. Rotary ROP:	52.09	Type	Water-based			PV	21	SOLID	6.5	
Total Drilled Sliding:	176.00	Avg. Slide ROP:	24.28	Weight	9.2	GAS	0	YP	14	BHT°	145	
Slide Hours:	7.25	Percent Rotary:	76.50	Viscosity	53	SAND	0.5	PH	9.5	Flow T°	120	
Below Rotary Hrs.	24.00	Percent Slide:	23.50	Chlorides	650	WL	7.8			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8", QD405, Hughes PDC bit, 4 3/4", 5/6, 8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,				
Second Directional :	Billy Spurgeon /Randy Lee/Trainee			Signature:								
MWD Operator1	Mike Valentine											
MWD Operator2	Frank Zitkovic											
Directional Company:	MS Energy Directional Services											
Geologist:												
Company Man:	Phil Wilson						Daily Cost		\$11,025.00			
Incl. In:	91.4	Azm. In:	6	Incl. Out:	89.6	Azm. Out:	4.6	Cummulative Cost:		\$156,430.00		

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-May-11	00:00	00:15	0.25	6954	6963	Sliding	Sliding - (WOB:14;GPM :274;TFO:165L;DIFF:300)
31-May-11	00:15	00:30	0.25	6963	6975	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	00:30	00:45	0.25	6975	6975	Survey & Conn.	Survey & Conn.
31-May-11	00:45	01:15	0.50	6975	7007	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	01:15	01:30	0.25	7007	7007	Survey & Conn.	Survey & Conn.
31-May-11	01:30	02:00	0.50	7007	7038	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	02:00	02:15	0.25	7038	7038	Survey & Conn.	Survey & Conn.
31-May-11	02:15	02:45	0.50	7038	7058	Sliding	Sliding - (WOB:14;GPM :274;TFO:180;DIFF:300)
31-May-11	02:45	03:15	0.50	7058	7070	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	03:15	03:30	0.25	7070	7070	Survey & Conn.	Survey & Conn.
31-May-11	03:30	04:00	0.50	7070	7101	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	04:00	04:15	0.25	7101	7101	Survey & Conn.	Survey & Conn.
31-May-11	04:15	04:30	0.25	7101	7133	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	04:30	04:45	0.25	7133	7133	Survey & Conn.	Survey & Conn.
31-May-11	04:45	05:30	0.75	7133	7165	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	05:30	05:45	0.25	7165	7165	Survey & Conn.	Survey & Conn.
31-May-11	05:45	06:15	0.50	7165	7180	Sliding	Sliding - (WOB:14;GPM :274;TFO:165R;DIFF:275)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
31-May-11	06:15	07:45	1.50	7180	7260	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:400)
31-May-11	07:45	08:00	0.25	7260	7260	Survey & Conn.	Survey & Conn.
31-May-11	08:00	08:45	0.75	7260	7282	Sliding	Sliding - (WOB:14;GPM :274;TFO:70R;DIFF:300)
31-May-11	08:45	09:00	0.25	7282	7292	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:400)
31-May-11	09:00	09:15	0.25	7292	7292	Survey & Conn.	Survey & Conn.
31-May-11	09:15	09:45	0.50	7292	7302	Sliding	Sliding - (WOB:14;GPM :274;TFO:HS;DIFF:200)
31-May-11	09:45	10:00	0.25	7302	7323	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:400)
31-May-11	10:00	10:15	0.25	7323	7323	Survey & Conn.	Survey & Conn.
31-May-11	10:15	10:45	0.50	7323	7335	Sliding	Sliding - (WOB:14;GPM :274;TFO:20R;DIFF:200)
31-May-11	10:45	12:30	1.75	7335	7418	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:450)
31-May-11	12:30	12:45	0.25	7418	7418	Survey & Conn.	Survey & Conn.
31-May-11	12:45	14:15	1.50	7418	7513	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:450)
31-May-11	14:15	14:30	0.25	7513	7513	Survey & Conn.	Survey & Conn.
31-May-11	14:30	15:15	0.75	7513	7530	Sliding	Sliding - (WOB:14;GPM :274;TFO:20;DIFF:300)
31-May-11	15:15	15:30	0.25	7530	7545	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:400)
31-May-11	15:30	15:45	0.25	7545	7545	Survey & Conn.	Survey & Conn.
31-May-11	15:45	16:30	0.75	7545	7560	Sliding	Sliding - (WOB:14;GPM :274;TFO:90R;DIFF:300)
31-May-11	16:30	16:45	0.25	7560	7577	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:350)
31-May-11	16:45	17:00	0.25	7577	7577	Survey & Conn.	Survey & Conn.
31-May-11	17:00	17:30	0.50	7577	7592	Sliding	Sliding - (WOB:14;GPM :274;TFO:180;DIFF:250)
31-May-11	17:30	17:45	0.25	7592	7599	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:350)
31-May-11	17:45	18:30	0.75	7599	7609	Sliding	Sliding - (WOB:14;GPM :274;TFO:180;DIFF:300)
31-May-11	18:30	19:00	0.50	7609	7609	Rig repair	Rig repair: Work on Drawworks.
31-May-11	19:00	19:15	0.25	7609	7609	Survey & Conn.	Survey & Conn.
31-May-11	19:15	19:30	0.25	7609	7623	Sliding	Sliding - (WOB:14;GPM :274;TFO:130;DIFF:250)
31-May-11	19:30	20:00	0.50	7623	7640	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	20:00	20:15	0.25	7640	7640	Survey & Conn.	Survey & Conn.
31-May-11	20:15	21:30	1.25	7640	7657	Sliding	Sliding - (WOB:14;GPM :274;TFO:100;DIFF:300)
31-May-11	21:30	22:00	0.50	7657	7672	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	22:00	22:45	0.75	7672	7672	Rig repair	Work On Draw Works
31-May-11	22:45	23:00	0.25	7672	7672	Survey & Conn.	Survey & Conn.
31-May-11	23:00	23:45	0.75	7672	7703	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
31-May-11	23:45	24:00	0.25	7703	7703	Survey & Conn.	Survey & Conn.



JOB NO.:	DDOK-110205	Report Time:	2400	14 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Wednesday, June 01, 2011 at 0000 to Wednesday, June 01, 2011 at 2400

DRILLING SUMMARY						Drilling Parameters							
Start Depth	7703.00	Rotary Hours	15.00	WOB	10	Pick UP	145	Slack Off	130	SPM			
End Depth	8400.00	Circulating Hours	1.00	RAB	140	SPP	1700	FlowRate	274 - 274	113			
Total Drilled:	697.00	Avg. Total ROP:	38.72	Mud Data									
Total Rotary Drilled:	617.00	Avg. Rotary ROP:	41.13	Type	Water-based			PV	13	SOLID	6.4		
Total Drilled Sliding:	80.00	Avg. Slide ROP:	26.67	Weight	9.2	GAS	0	YP	19	BHT°	145		
Slide Hours:	3.00	Percent Rotary:	88.52	Viscosity	45	SAND	0.5	PH	9	Flow T°	120		
Below Rotary Hrs.	24.00	Percent Slide:	11.48	Chlorides	1200	WL	6			Oil %	0		
PERSONNEL				CASING					BHA				
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8", QD405, Hughes PDC bit, 4 3/4", 5/6, 8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,					
Second Directional :	Billy Spurgeon /Randy Lee-Trainee			Signature:									
MWD Operator1	Mike Valentine												
MWD Operator2	Frank Zitkovic												
Directional Company:	MS Energy Directional Services												
Geologist:													
Company Man:	Phil Wilson						Daily Cost		\$11,025.00				
Incl. In:	89.6	Azm. In:	4.6	Incl. Out:	89	Azm. Out:	5.4	Cummulative Cost:		\$167,455.00			

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Jun-11	00:00	00:30	0.50	7703	7735	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	00:30	00:45	0.25	7735	7735	Survey & Conn.	Survey & Conn.
1-Jun-11	00:45	01:00	0.25	7735	7750	Sliding	Sliding - (WOB:16;GPM :274;TFO:90;DIFF:300)
1-Jun-11	01:00	01:30	0.50	7750	7767	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	01:30	03:00	1.50	7767	7767	Rig repair	Work on Draw Works
1-Jun-11	03:00	03:15	0.25	7767	7767	Survey & Conn.	Survey & Conn.
1-Jun-11	03:15	04:30	1.25	7767	7830	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	04:30	04:45	0.25	7830	7830	Survey & Conn.	Survey & Conn.
1-Jun-11	04:45	05:00	0.25	7830	7840	Sliding	Sliding - (WOB:16;GPM :274;TFO:180;DIFF:300)
1-Jun-11	05:00	07:00	2.00	7840	7925	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	07:00	07:15	0.25	7925	7925	Survey & Conn.	Survey & Conn.
1-Jun-11	07:15	08:15	1.00	7925	7945	Sliding	Sliding - (WOB:16;GPM :274;TFO:150R;DIFF:200)
1-Jun-11	08:15	08:30	0.25	7945	7957	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	08:30	08:45	0.25	7957	7957	Survey & Conn.	Survey & Conn.
1-Jun-11	08:45	09:45	1.00	7957	7972	Sliding	Sliding - (WOB:16;GPM :274;TFO:180;DIFF:200)
1-Jun-11	09:45	11:30	1.75	7972	8052	Drilling	Drilling - (WOB:12;GPM :274;RPM:65;DIFF:300)
1-Jun-11	11:30	12:30	1.00	8052	8052	Other	Power failure due to Stallion Generator.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
1-Jun-11	12:30	15:00	2.50	8052	8115	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
1-Jun-11	15:00	15:30	0.50	8115	8115	Other	Change out Stallion Generators and power up.
1-Jun-11	15:30	16:30	1.00	8115	8115	Circulating	Re-log Gamma f/ 8043' to 8115'. (WOB:1; GPM:274; RPM:35; DIFF:0)
1-Jun-11	16:30	16:45	0.25	8115	8115	Survey & Conn.	Survey & Conn.
1-Jun-11	16:45	20:45	4.00	8115	8274	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
1-Jun-11	20:45	21:00	0.25	8274	8274	Survey & Conn.	Survey & Conn.
1-Jun-11	21:00	21:30	0.50	8274	8294	Sliding	Sliding - (WOB:18;GPM :274;TFO:90;DIFF:300)
1-Jun-11	21:30	21:45	0.25	8294	8305	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
1-Jun-11	21:45	22:00	0.25	8305	8305	Survey & Conn.	Survey & Conn.
1-Jun-11	22:00	24:00	2.00	8305	8400	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)



JOB NO.:	DDOK-110205	Report Time:	2400	15 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Thursday, June 02, 2011 at 0000 to Thursday, June 02, 2011 at 2400

DRILLING SUMMARY					Drilling Parameters							
Start Depth	8400.00	Rotary Hours	11.50	WOB	0	Pick UP	145	Slack Off	130	SPM		
End Depth	9128.00	Circulating Hours	0.50	RAB	140	SPP	0	FlowRate	274 - 274	0		
Total Drilled:	728.00	Avg. Total ROP:	39.89	Mud Data								
Total Rotary Drilled:	540.00	Avg. Rotary ROP:	46.96	Type	Water-based			PV	15	SOLID	7.8	
Total Drilled Sliding:	188.00	Avg. Slide ROP:	27.85	Weight	9.4	GAS	0	YP	15	BHT°	169	
Slide Hours:	6.75	Percent Rotary:	74.18	Viscosity	44	SAND	0.5	PH	9	Flow T°	120	
Below Rotary Hrs.	24.00	Percent Slide:	25.82	Chlorides	2600	WL	4.8			Oil %	0	
PERSONNEL				CASING					BHA			
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8",QD405, Hughes PDC bit, 4 3/4",5/6,8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,				
Second Directional :	Billy Spurgeon /Randy Lee-Trainee			Signature:								
MWD Operator1	Mike Valentine											
MWD Operator2	Frank Zitkovic											
Directional Company:	MS Energy Directional Services											
Geologist:												
Company Man:	Phil Wilson						Daily Cost		\$11,025.00			
Incl. In:	89	Azm. In:	5.4	Incl. Out:	89.5	Azm. Out:	5.2	Cummulative Cost:		\$178,480.00		

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Jun-11	00:00	00:15	0.25	8400	8400	Survey & Conn.	Survey & Conn.
2-Jun-11	00:15	00:30	0.25	8400	8412	Sliding	Sliding - (WOB:18;GPM :274;TFO:80R;DIFF:300)
2-Jun-11	00:30	02:15	1.75	8412	8495	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:400)
2-Jun-11	02:15	02:30	0.25	8495	8495	Survey & Conn.	Survey & Conn.
2-Jun-11	02:30	03:00	0.50	8495	8507	Sliding	Sliding - (WOB:17;GPM :274;TFO:10R;DIFF:300)
2-Jun-11	03:00	03:15	0.25	8507	8527	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:400)
2-Jun-11	03:15	03:30	0.25	8527	8527	Survey & Conn.	Survey & Conn.
2-Jun-11	03:30	03:45	0.25	8527	8539	Sliding	Sliding - (WOB:17;GPM :274;TFO:60R;DIFF:300)
2-Jun-11	03:45	04:45	1.00	8539	8590	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:400)
2-Jun-11	04:45	05:00	0.25	8590	8590	Survey & Conn.	Survey & Conn.
2-Jun-11	05:00	05:45	0.75	8590	8605	Sliding	Sliding - (WOB:17;GPM :274;TFO:70;DIFF:300)
2-Jun-11	05:45	06:00	0.25	8605	8622	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	06:00	06:15	0.25	8622	8622	Survey & Conn.	Survey & Conn.
2-Jun-11	06:15	07:00	0.75	8622	8637	Sliding	Sliding - (WOB:17;GPM :274;TFO:100R;DIFF:250)
2-Jun-11	07:00	07:45	0.75	8637	8685	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:350)
2-Jun-11	07:45	08:15	0.50	8685	8685	Survey & Conn.	Survey & Conn.
2-Jun-11	08:15	09:00	0.75	8685	8705	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:250)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
2-Jun-11	09:00	09:15	0.25	8705	8717	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:350)
2-Jun-11	09:15	09:30	0.25	8717	8717	Survey & Conn.	Survey & Conn.
2-Jun-11	09:30	10:15	0.75	8717	8732	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
2-Jun-11	10:15	10:30	0.25	8732	8748	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	10:30	10:45	0.25	8748	8748	Survey & Conn.	Survey & Conn.
2-Jun-11	10:45	11:15	0.50	8748	8780	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	11:15	11:30	0.25	8780	8780	Survey & Conn.	Survey & Conn.
2-Jun-11	11:30	12:30	1.00	8780	8800	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
2-Jun-11	12:30	12:45	0.25	8800	8816	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	12:45	13:30	0.75	8816	8836	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
2-Jun-11	13:30	17:15	3.75	8836	8970	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIZFZF:300)
2-Jun-11	17:15	17:45	0.50	8970	8970	Rig Service-Inhole	Rig Service-Inhole
2-Jun-11	17:45	18:15	0.50	8970	9002	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	18:15	18:30	0.25	9002	9002	Survey & Conn.	Survey & Conn.
2-Jun-11	18:30	19:00	0.50	9002	9017	Sliding	Sliding - (WOB:17;GPM :274;TFO:90;DIFF:300)
2-Jun-11	19:00	20:15	1.25	9017	9065	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	20:15	21:00	0.75	9065	9065	Survey & Conn.	Survey & Conn.
2-Jun-11	21:00	21:30	0.50	9065	9065	Rig repair	Swap Pumps and work on automatic driller
2-Jun-11	21:30	21:45	0.25	9065	9082	Sliding	Sliding - (WOB:17;GPM :274;TFO:120;DIFF:300)
2-Jun-11	21:45	22:15	0.50	9082	9097	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	22:15	22:30	0.25	9097	9097	Survey & Conn.	Survey & Conn.
2-Jun-11	22:30	22:45	0.25	9097	9112	Sliding	Sliding - (WOB:17;GPM :274;TFO:150;DIFF:300)
2-Jun-11	22:45	23:00	0.25	9112	9128	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
2-Jun-11	23:00	24:00	1.00	9128	9128	Rig repair	Work on Pumps



JOB NO.:	DDOK-110205	Report Time:	2400	16 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Friday, June 03, 2011 at 0000 to Friday, June 03, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	9128.00	Rotary Hours	12.50	WOB	10	Pick UP	145	Slack Off	130	SPM	
End Depth	9825.00	Circulating Hours	1.00	RAB	140	SPP	1900	FlowRate	274 - 274	113	
Total Drilled:	697.00	Avg. Total ROP:	37.68	Mud Data							
Total Rotary Drilled:	531.00	Avg. Rotary ROP:	42.48	Type	Water-based			PV	14	SOLID	7.9
Total Drilled Sliding:	166.00	Avg. Slide ROP:	27.67	Weight	9.4	GAS	0	YP	13	BHT°	176
Slide Hours:	6.00	Percent Rotary:	76.18	Viscosity	40	SAND	0.5	PH	9.5	Flow T°	120
Below Rotary Hrs.	24.00	Percent Slide:	23.82	Chlorides	1500	WL	5.8			Oil %	0
PERSONNEL				CASING					BHA		
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8", QD405, Hughes PDC bit, 4 3/4", 5/6, 8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,			
Second Directional :	Billy Spurgeon /Randy Lee-Trainee			Signature:							
MWD Operator1	Mike Valentine										
MWD Operator2	Frank Zitkovic										
Directional Company:	MS Energy Directional Services										
Geologist:											
Company Man:	Phil Wilson						Daily Cost		\$11,025.00		
Incl. In:	89.5	Azm. In:	5.2	Incl. Out:	84.2	Azm. Out:	5	Cummulative Cost:		\$189,505.00	

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Jun-11	00:00	00:30	0.50	9128	9128	Survey & Conn.	Survey & Conn.
3-Jun-11	00:30	01:15	0.75	9128	9160	Drilling	Drilling - (WOB:10; :274;RPM:65;DIFF:300)
3-Jun-11	01:15	01:30	0.25	9160	9160	Survey & Conn.	Survey & Conn.
3-Jun-11	01:30	01:45	0.25	9160	9175	Sliding	Sliding - (WOB:17; :274;TFO:160;DIFF:300)
3-Jun-11	01:45	03:00	1.25	9175	9223	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	03:00	03:15	0.25	9223	9223	Survey & Conn.	Survey & Conn.
3-Jun-11	03:15	03:45	0.50	9223	9243	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:300)
3-Jun-11	03:45	04:00	0.25	9243	9255	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	04:00	04:15	0.25	9255	9255	Survey & Conn.	Survey & Conn.
3-Jun-11	04:15	04:30	0.25	9255	9270	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:300)
3-Jun-11	04:30	06:15	1.75	9270	9350	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	06:15	06:45	0.50	9350	9350	Rig Service-Inhole	Rig Service-Inhole
3-Jun-11	06:45	07:30	0.75	9350	9381	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	07:30	07:45	0.25	9381	9381	Survey & Conn.	Survey & Conn.
3-Jun-11	07:45	08:15	0.50	9381	9396	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	08:15	09:30	1.25	9396	9413	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
3-Jun-11	09:30	09:45	0.25	9413	9413	Survey & Conn.	Survey & Conn.

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
3-Jun-11	09:45	13:00	3.25	9413	9540	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	13:00	13:15	0.25	9540	9540	Survey & Conn.	Survey & Conn.
3-Jun-11	13:15	15:00	1.75	9540	9572	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
3-Jun-11	15:00	15:15	0.25	9572	9572	Survey & Conn.	Survey & Conn.
3-Jun-11	15:15	16:00	0.75	9572	9572	Rig repair	Rig repair- Work on Draw Work
3-Jun-11	16:00	16:30	0.50	9572	9589	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	16:30	17:00	0.50	9589	9604	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:200)
3-Jun-11	17:00	17:15	0.25	9604	9604	Survey & Conn.	Survey & Conn.
3-Jun-11	17:15	17:45	0.50	9604	9604	Rig repair	Rig repair- Work on Pumps
3-Jun-11	17:45	18:30	0.75	9604	9635	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
3-Jun-11	18:30	18:45	0.25	9635	9635	Survey & Conn.	Survey & Conn.
3-Jun-11	18:45	19:30	0.75	9635	9667	Sliding	Sliding - (WOB:17;GPM :274;TFO:180;DIFF:250)
3-Jun-11	19:30	19:45	0.25	9667	9667	Survey & Conn.	Survey & Conn.
3-Jun-11	19:45	20:30	0.75	9667	9687	Sliding	Sliding - (WOB:17;GPM :274;TFO:H/S;DIFF:300)
3-Jun-11	20:30	21:00	0.50	9687	9687	Rig Service-Inhole	Rig Service-Inhole
3-Jun-11	21:00	21:15	0.25	9687	9687	Survey & Conn.	Survey & Conn.
3-Jun-11	21:15	24:00	2.75	9687	9825	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)



JOB NO.:	DDOK-110205	Report Time:	2400	17 of 17
Company:	Carrizo Oil and Gas	API JOB #	05-123-32317-01	
LOCATION:	Briggsdale, Colorado	WORK ORDER#		
RIG NAME:	Cade 22	FIELD:	Niobrara	
STATE:	Colorado	Township:	Briggsdale, Colorado	
COUNTY:	Weld County	SECTRANGE:		
WELL NAME:	Orlando Hill 26-44-8-61			

From Saturday, June 04, 2011 at 0000 to Saturday, June 04, 2011 at 2400

DRILLING SUMMARY				Drilling Parameters							
Start Depth	9825.00	Rotary Hours	7.25	WOB	10	Pick UP	145	Slack Off	130	SPM	
End Depth	10192.00	Circulating Hours	3.00	RAB	140	SPP	1900	FlowRate	274 - 274	113	
Total Drilled:	367.00	Avg. Total ROP:	39.68	Mud Data							
Total Rotary Drilled:	318.00	Avg. Rotary ROP:	43.86	Type	Water-based			PV	13	SOLID	8.1
Total Drilled Sliding:	49.00	Avg. Slide ROP:	24.50	Weight	9.4	GAS	0	YP	15	BHT°	182.4
Slide Hours:	2.00	Percent Rotary:	86.65	Viscosity	40	SAND	0.5	PH	9	Flow T°	120
Below Rotary Hrs.	24.00	Percent Slide:	13.35	Chlorides	1600	WL	5.8			Oil %	0
PERSONNEL				CASING					BHA		
Lead Directional :	Mike Reynosa			Size	Lb/ft	Set Depth		BHA # 3:6 1/8",QD405, Hughes PDC bit, 4 3/4",5/6,8.3 set @ 1.50°, 4 3/4" Float sub (plunger type), 4 3/4", UBHO sub, 4 3/4" Non-Mag Monel (slick), 4 3/4" Non-Mag Monel (slick), 4 3/4" XO sub, 135 jts (4 in) XT-39, 44 jts (4 in) Heviwate XT-39, ,			
Second Directional :	Billy Spurgeon /Randy Lee-Trainee			Signature:							
MWD Operator1	Mike Valentine										
MWD Operator2	Frank Zitkovic										
Directional Company:	MS Energy Directional Services										
Geologist:											
Company Man:	Phil Wilson						Daily Cost		\$11,025.00		
Incl. In:	84.2	Azm. In:	5	Incl. Out:	0	Azm. Out:	0	Cummulative Cost:		\$200,530.00	

GENERAL COMMENT

Daily Cost Breakdown: Operating cost-\$10100.00; Subsistence charge x 5-\$375.00; L.I.H. insurance (Motor)-\$550.00;
Total Daily Cost: \$11,025.00

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
4-Jun-11	00:00	00:15	0.25	9825	9825	Survey & Conn.	Survey & Conn.
4-Jun-11	00:15	01:00	0.75	9825	9840	Sliding	Sliding - (WOB:17;GPM :274;TFO:0;DIFF:300)
4-Jun-11	01:00	03:45	2.75	9840	9983	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
4-Jun-11	03:45	04:00	0.25	9983	9983	Survey & Conn.	Survey & Conn.
4-Jun-11	04:00	04:30	0.50	9983	10000	Sliding	Sliding - (WOB:17;GPM :274;TFO:100;DIFF:300)
4-Jun-11	04:30	04:45	0.25	10000	10015	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
4-Jun-11	04:45	05:00	0.25	10015	10015	Survey & Conn.	Survey & Conn.
4-Jun-11	05:00	05:45	0.75	10015	10032	Sliding	Sliding - (WOB:17;GPM :274;TFO:90;DIFF:300)
4-Jun-11	05:45	10:00	4.25	10032	10192	Drilling	Drilling - (WOB:10;GPM :274;RPM:65;DIFF:300)
4-Jun-11	10:00	11:00	1.00	10192	10192	Circulating	Circulating
4-Jun-11	11:00	13:00	2.00	10192	10192	Short Trip	Wiper Trip to 6700'
4-Jun-11	13:00	15:00	2.00	10192	10192	Short Trip	Wiper Trip TIH to 10192'
4-Jun-11	15:00	17:00	2.00	10192	10192	Circulating	Circulating sweeps.
4-Jun-11	17:00	23:00	6.00	10192	10192	POOH	POOH to Dir. tools.
4-Jun-11	23:00	24:00	1.00	10192	10192	Change BHA	Laydown Directional tools.

BHA # 1



JOB NO.: DDOK-110205 Work Order:
 Company: Carrizo Oil and Gas
 LOCATION: Briggsdale, Colorado
 RIG NAME: Cade 22
 STATE: Colorado
 COUNTY: Weld County
 WELL NAME: Orlando Hill 26-44-8-61

FIELD: Niobrara
 Township: Briggsdale, Colorado
 SECT. RANGE:
 Lead DD: Mike Reynosa
 Co. Man: Phil Wilson
 BHA TYPE: Steerable Assembly
 BHA WT: 7569 Wt @ Jars: N/A

Time and Depths	MOTOR DATA	Drilling Parameters
Date In: 06-May-11 @ 00:00	7 3/4, 4/5, 5.3STD set @ 1.5°	SO/PU: 0 - 0 / 0-0
Date Out: 23-May-11 @ 04:00	MFG.: Mpac	Rot Strg Wt: 0-0
Hrs In Hole: 27.50	Pad OD: 8 1/16	WOB: 10 - 10
Start Depth: 70.00	NB Stab: 12	TORQ: 0 - 0
End Depth: 1410.00	Bit to Bend: 6.8	SPP: 900 - 900
Total Drilled: 1280.00	Bent Hsg/Sub°: 1.5 / 0	Motor RPM: -
Avg. Total ROP: 67.37	Lobe/Stage: 4/5 / 5.3	Rotary RPM: 60 - 60
Circ Hrs: Tot/Only 20.25 / 1.25	Rev/GAL: 0.25	Flow Rate: 0 - 0
Percent Slide: .00	Rotor Jet: 0	Avg Diff: 200
Percent Hrs: .00	Prop BUR: 0	Stall Pres.: 1200
Slide Hours: .00	Act BUR: 0	Off Bot Pres.: 1200
Total Sliding: .00		
Avg. Slide ROP: NA		
Percent Rotary: 100.00		
Percent Hrs: 100.00		
Rotary Hours: 19.00		
Total Rotary: 1280.00		
Avg. Rotary ROP: 67.37		
Reason POOH: TD		

MWD Spacing	Gamma: 0	Restiv: 0	Sensor: 53	Last Casing	O.D.
	GYRO: 0	DNSC: 70	Sonic: 0	Shoe @:	Hanger @:

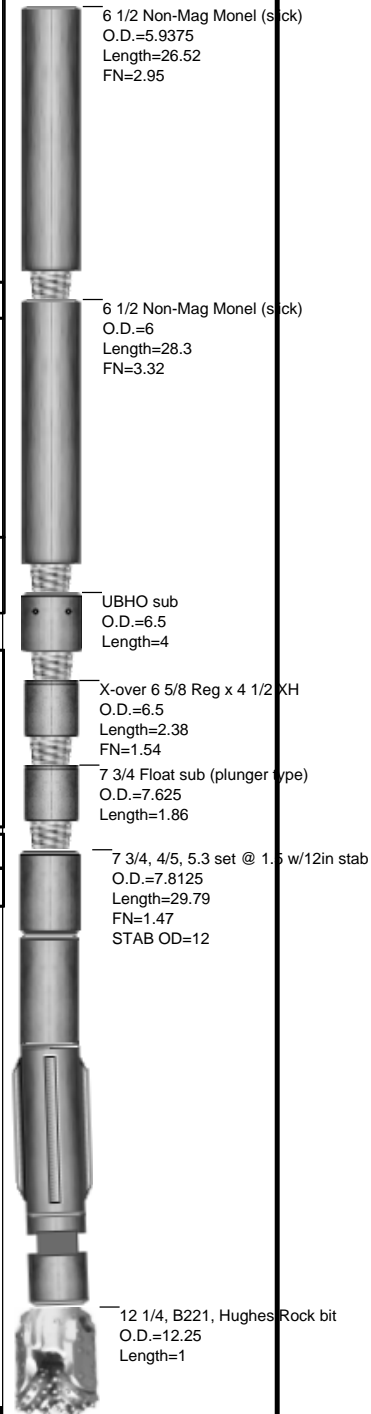
INC IN: .0 INC OUT: 1.1 AZM IN: .00 AZM OUT: 281.80

Motor Bend = 1.05°, Rev/Gal = .25, 4/5, 5.3 Std.
 Bit to Bend = 6.80', Bit to stab = 1.02', Stab OD = 12"
 Bit S/N = 511615, Bit Type = Hughes B221, Jets = 3 X 18's, TFA = 0.745
 Bit to sensor = 53', Bit to survey = 61'

POOH for Casing.
 Drilling with water based mud.

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
12 1/4, B221, Hughes Rock bit	511615		12.25	1.00	1.00	6 5/8 REGP	
7 3/4, 4/5, 5.3 set @ 1.5 w/12in stab	77D055D		7.8125	29.79	30.79	6 5/8 REGB	
7 3/4 Float sub (plunger type)	776018	2.875	7.625	1.86	32.65	6 5/8 REGB	
X-over 6 5/8 Reg x 4 1/2 XH	80112	3	6.5	2.38	35.03	4 1/2 XHB	
UBHO sub	5120	3	6.5	4.00	39.03	4 1/2 XHB	
6 1/2 Non-Mag Monel (slick)	SD03849	2.875	6	28.30	67.33	4 1/2 XHB	
6 1/2 Non-Mag Monel (slick)	SD37435	2.9375	5.9375	26.52	93.85	4 1/2 XHB	
				0.00	93.85		



BHA # 2



JOB NO.: DDOK-110205 Work Order: FIELD: Niobrara
 Company: Carrizo Oil and Gas Township: Briggsdale, Colorado
 LOCATION: Briggsdale, Colorado SECT. RANGE:
 RIG NAME: Cade 22 Lead DD: Mike Reynosa
 STATE: Colorado Co. Man: Phil Wilson
 COUNTY: Weld County BHA TYPE: Steerable Assembly
 WELL NAME: Orlando Hill 26-44-8-61 BHA WT: N/A Wt @ Jars: N/A

Time and Depths	MOTOR DATA	Drilling Parameters
Date In: 07-May-11 @ 01:30	6 3/4,6/7,5.0 set @ 2.12°	SO/PU: 0 - 135 / 0-145
Date Out: 29-May-11 @ 11:00	MFG.: Mpact	Rot Strg Wt: 0-140
Hrs In Hole: 144.75	Pad OD: 7.125	WOB: 0 - 30
Start Depth: 4925.00	NB Stab: 0	TORQ: 0 - 0
End Depth: 6798.00	Bit to Bend: 5.1	SPP: 0 - 2200
Total Drilled: 1826.00	Bent Hsg/Sub°: 2.12 / 0	Motor RPM: 99 - 125
Avg. Total ROP: 21.48	Lobe/Stage: 6/7 / 5	Rotary RPM: 30 - 30
Circ Hrs: Tot/Only 97.00 / 12.00	Rev/GAL: 0.28	Flow Rate: 0 - 447
Percent Slide: 44.85	Rotor Jet: 0	Avg Diff: 200
Percent Hrs: 51.18	Prop BUR: 11	Stall Pres.: 2200
Slide Hours: 43.50	Act BUR: 11.5	Off Bot Pres.: 2200
Total Sliding: 819.00		
Avg. Slide ROP: 18.83		
Percent Rotary: 55.15		
Percent Hrs: 48.82		
Rotary Hours: 41.50		
Total Rotary: 1007.00		
Avg. Rotary ROP: 24.27		
Reason POOH: TD		

MWD Spacing	Gamma: 41	Restiv: 0	Sensor: 52	Last Casing	O.D. 9 5/8
	GYRO: 0	DNSC: 4925	Sonic: 0	Shoe @:	1400 Hanger @:

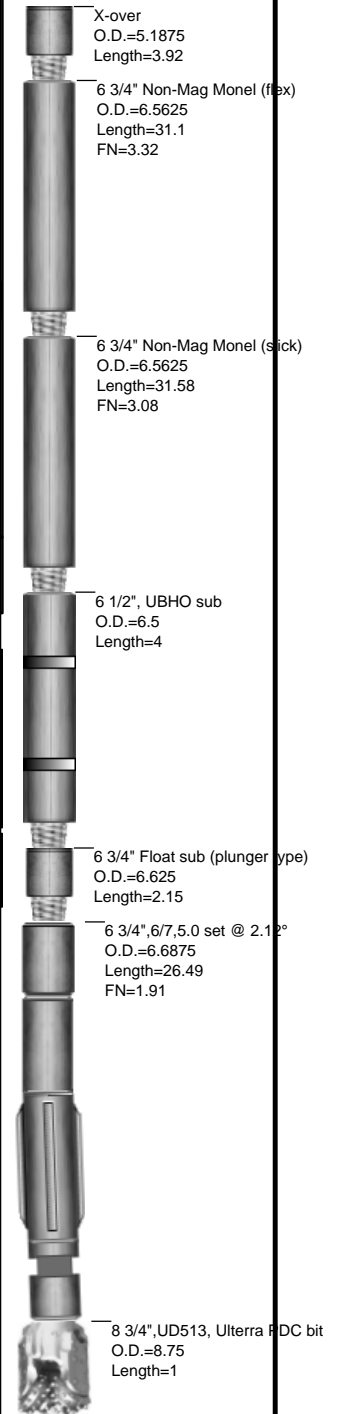
INC IN: .0 INC OUT: 91.9 AZM IN: .00 AZM OUT: 5.20

Motor Bend = 2.12° , Rev/Gal = .28, 6/7, 5.0 Performance
 Bit to Bend = 5.10', Bit to sleeve = 1.99',
 Bit S/N = 5705, Bit Type = Ultrerra UD513, Jets = 5 X 16's/2X14's, TFA = 1.282
 Bit to sensor= 52', Bit to Gamma = 42, Bit to survey = 60 '

Drilled and completed curve with water-based drilling mud.
 POOH for 7" casing. Found bit worn but in good condition, motor drained fine.

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
8 3/4",UD513, Ultrerra PDC bit	5705		8.75	1.00	1.00	4 1/2 REGP	
6 3/4",6/7,5.0 set @ 2.12°	67D1320SR		6.6875	26.49	27.49	4 1/2 IFB	
6 3/4" Float sub (plunger type)	679828	2.875	6.625	2.15	29.64	4 1/2 XHB	
6 1/2", UBHO sub	5129	3	6.5	4.00	33.64	4 1/2 XHB	
6 3/4" Non-Mag Monel (slick)	SD48006	2.8125	6.5625	31.58	65.22	4 1/2 XHB	
6 3/4" Non-Mag Monel (flex)	SD47469	2.8125	6.5625	31.10	96.32	4 1/2 XHB	
X-over	Rig	2.6875	5.1875	3.92	100.24	XT-39B	
				0.00	100.24		



BHA # 3

JOB NO.: DDOK-110205 **Work Order:** **FIELD:** Niobrara
Company: Carrizo Oil and Gas **Township:** Briggsdale, Colorado
LOCATION: Briggsdale, Colorado **SECT. RANGE:**
RIG NAME: Cade 22 **Lead DD:** Mike Reynosa
STATE: Colorado **Co. Man:** Phil Wilson
COUNTY: Weld County **BHA TYPE:** Slick Assembly
WELL NAME: Orlando Hill 26-44-8-61 **BHA WT:** 146300 **Wt @ Jars:** N/A

Time and Depths	MOTOR DATA	Drilling Parameters
Date In: 29-May-11 @ 11:00	4 3/4,5/6,8.3 set @ 1.50°	SO/PU: 130 - 130 / 145-145
Date Out: 04-Jun-11 @ 24:00	MFG.: Mpac	Rot Strg Wt: 140-140
Hrs In Hole: 157.00	Pad OD: 5.25	WOB: 0 - 25
Start Depth: 6798.00	NB Stab: 0	TORQ: 0 - 0
End Depth: 10192.00	Bit to Bend: 4.85	SPP: 0 - 1900
Total Drilled: 3394.00	Bent Hsg/Sub°: 1.5 / 0	Motor RPM: 285
Avg. Total ROP: 38.24	Lobe/Stage: 5/6 / 8.3	Rotary RPM: 45 - 65
Circ Hrs: Tot/Only 105.25 / 16.50	Rev/GAL: 1.04	Flow Rate: 175 - 274
Percent Slide: 20.18	Rotor Jet: 0	Avg Diff: 300
Percent Hrs: 29.58	Prop BUR: 7.7	Stall Pres.:
Slide Hours: 26.25	Act BUR: 5.5	Off Bot Pres.: 1900
Total Sliding: 685.00		
Avg. Slide ROP: 26.10		
Percent Rotary: 79.82		
Percent Hrs: 70.42		
Rotary Hours: 62.50		
Total Rotary: 2709.00		
Avg. Rotary ROP: 43.34		
Reason POOH: TD		

MWD Spacing	Gamma: 47	Restiv: 0	Sensor: 57	Last Casing	O.D. 7
	GYRO: 0	DNSC: 6798	Sonic: 0	Shoe @: 6798	Hanger @:

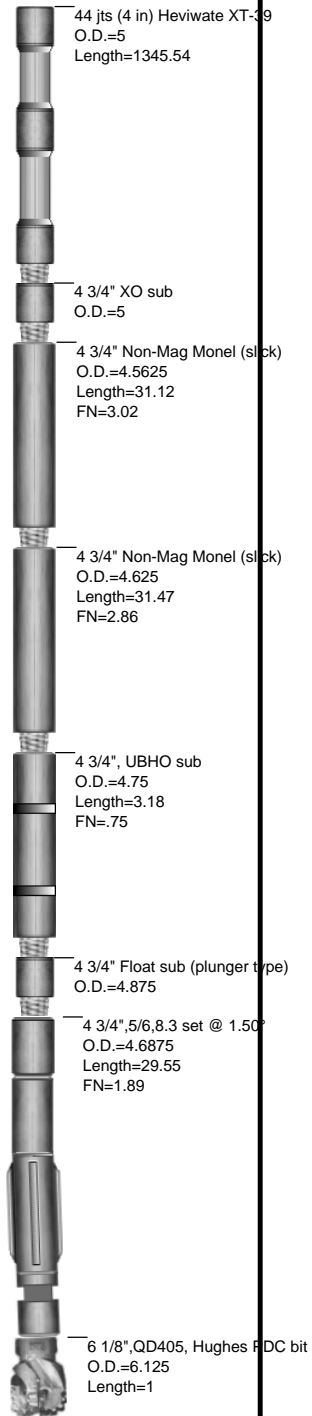
INC IN: 89.8 **INC OUT:** 86.0 **AZM IN:** 5.50 **AZM OUT:** 4.70

Motor Bend = 1.50°, Rev/Gal = 1.04, 5/6, 8.3 Performance
 Bit to Bend = 4.85', Bit to sleeve = 1.33', Sleeve OD = 5 11/16"
 Bit S/N = 7131411, Bit Type = Hughes QD405, Jets = 5 X 16's, TFA = 0.981
 Bit to sensor = 57', Bit to Gamma = 47, Bit to survey = 65'

TD Orlando Hill; POOH to lay down directional tools.
 Drilled with water-based drilling fluid.

BHA Detail

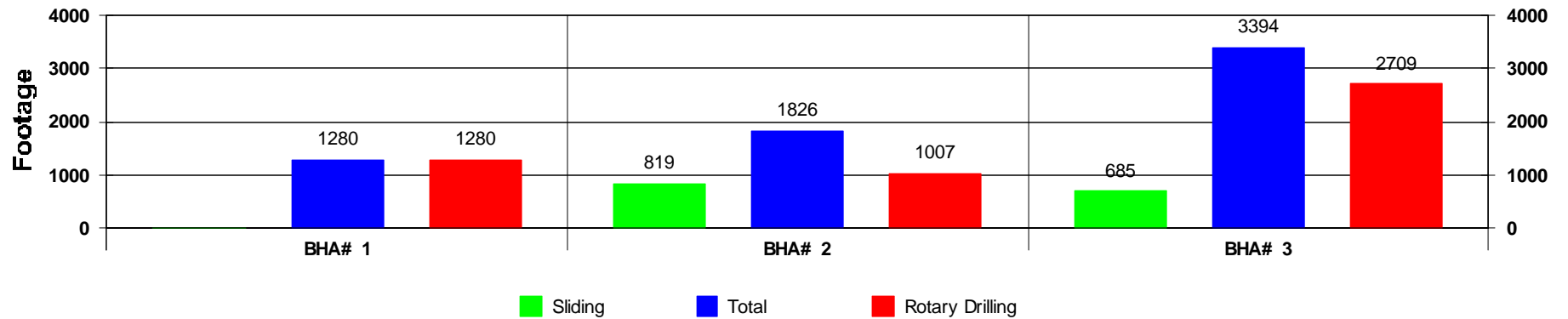
Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
6 1/8", QD405, Hughes PDC bit	7131411		6.125	1.00	1.00	3 1/2 REGP	
4 3/4", 5/6, 8.3 set @ 1.50°	47D2353GD		4.6875	29.55	30.55	3 1/2 IFB	
4 3/4" Float sub (plunger type)	SD105771	2.375	4.875	3.13	33.68	3 1/2 IFB	
4 3/4", UBHO sub	479853	2.23	4.75	3.18	36.86	3 1/2 IFB	
4 3/4" Non-Mag Monel (slick)	SD47175	2.75	4.625	31.47	68.33	3 1/2 IFB	
4 3/4" Non-Mag Monel (slick)	SD43493	2.75	4.5625	31.12	99.45	3 1/2 IFB	
4 3/4" XO sub	SD29116	2.5625	5	3.07	102.52	XT-39B	
135 jts (4 in) XT-39	Carrizo	2.6875	4	4,281.74	4384.26	XT-39B	
44 jts (4 in) Heviwate XT-39	HWDP-2.563-	2.563	5	1,345.54	5729.80	XT-39	
				0.00	5729.80		



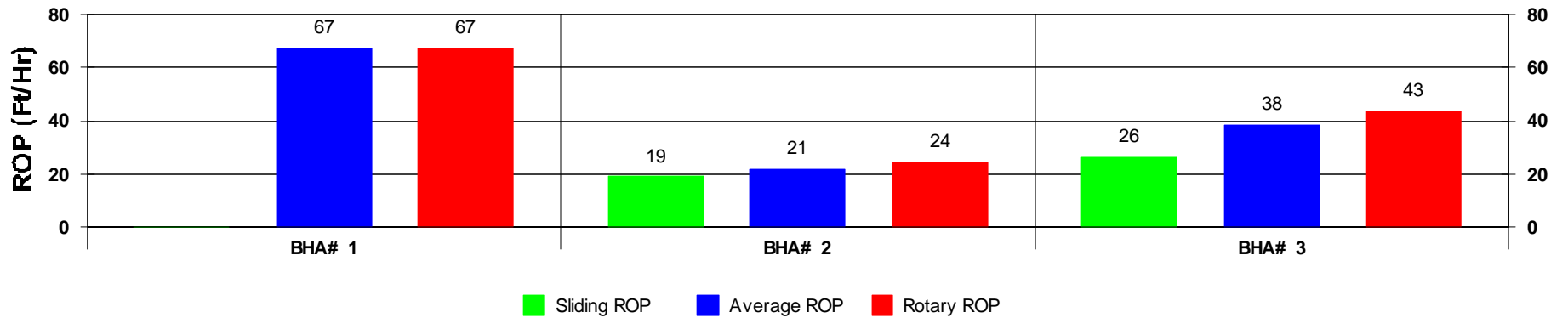


JOB NO.:	DDOK-110205	FIELD:	Niobrara
Company:	Carrizo Oil and Gas	Township:	Briggsdale, Colorado
LOCATION:	Briggsdale, Colorado	SECT/RANGE:	
RIG NAME:	Cade 22	COMMENT	
STATE:	Colorado		
COUNTY:	Weld County		
WELL NAME:	Orlando Hill 26-44-8-61		

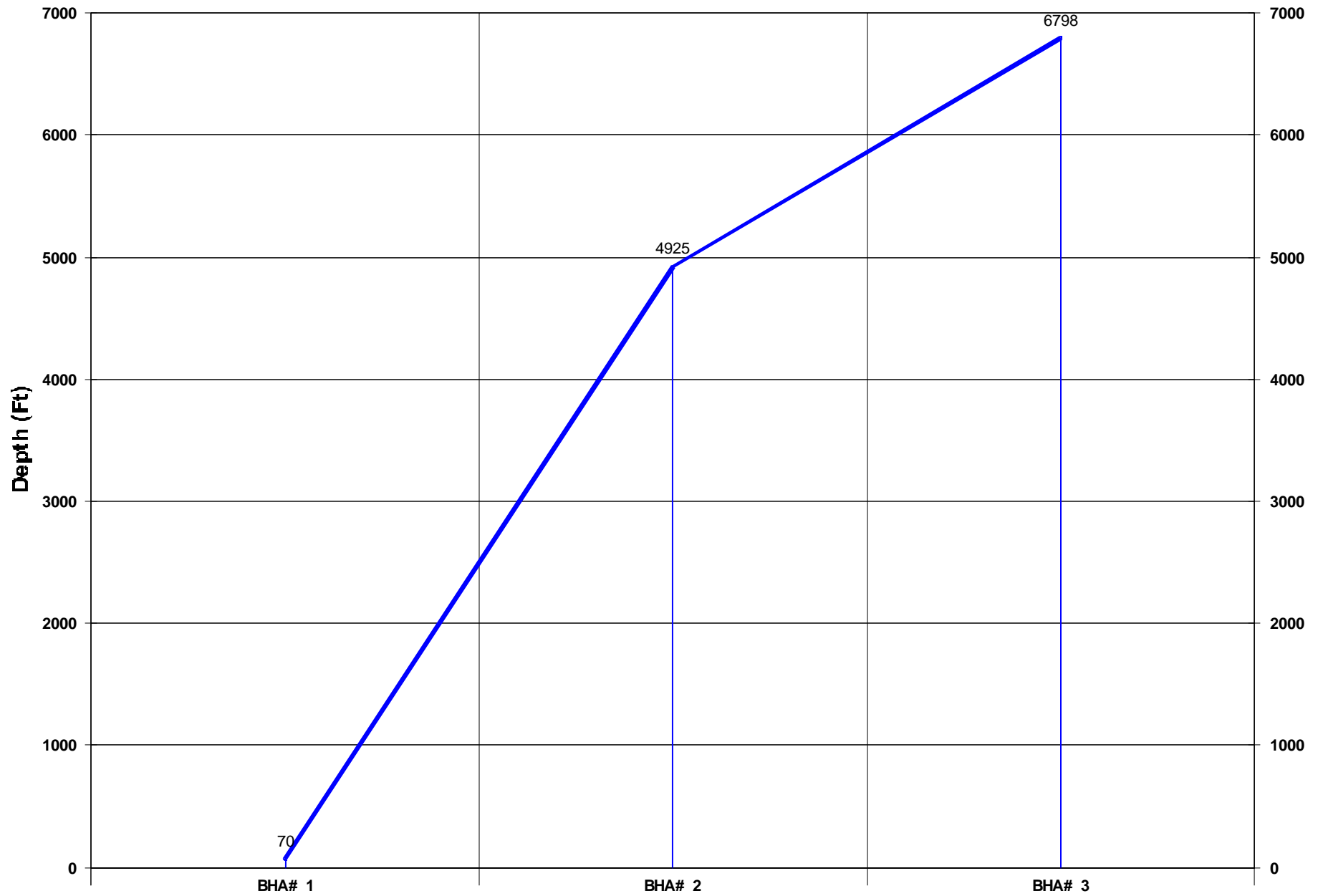
Footage Drilled with BHA



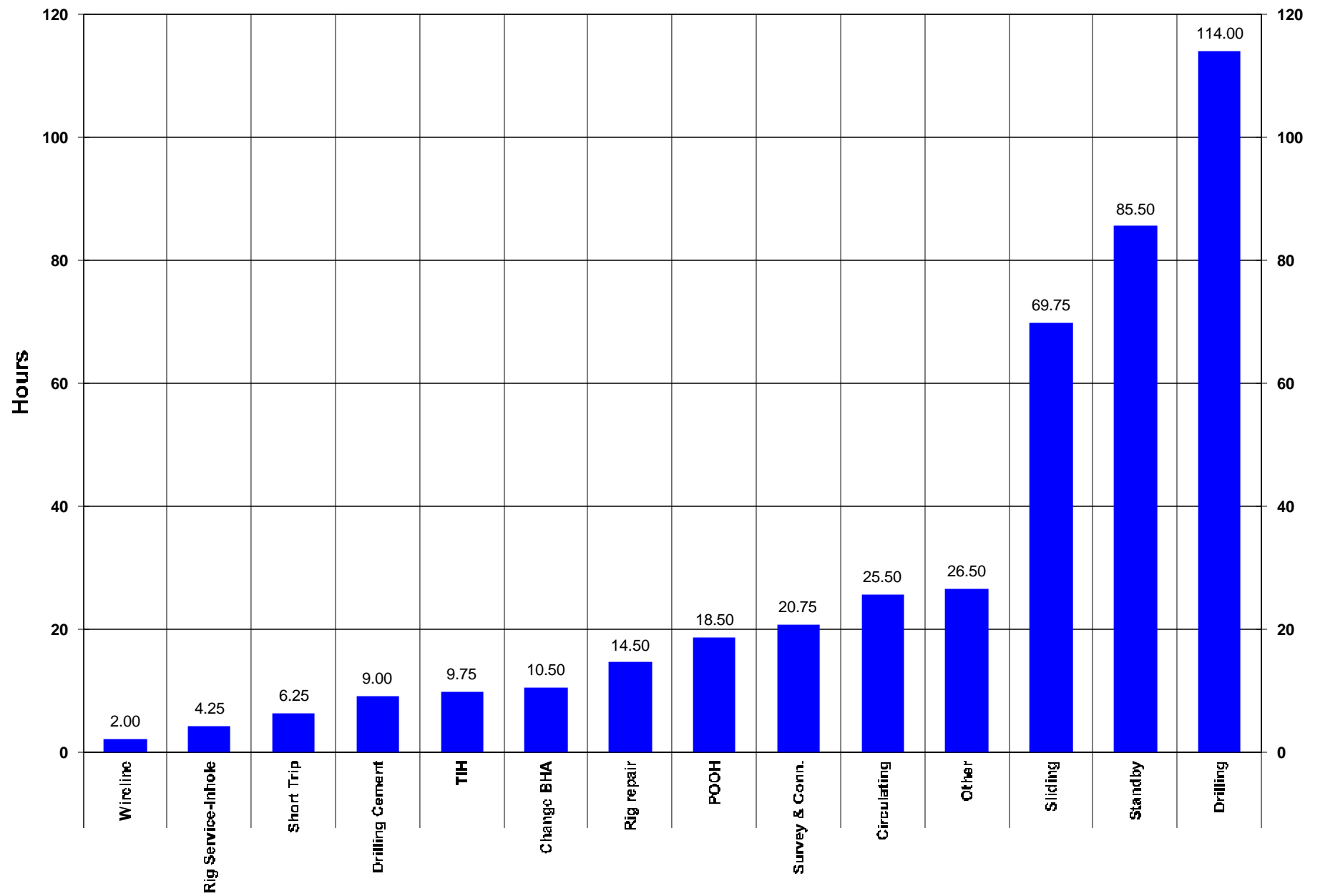
ROP vs BHA



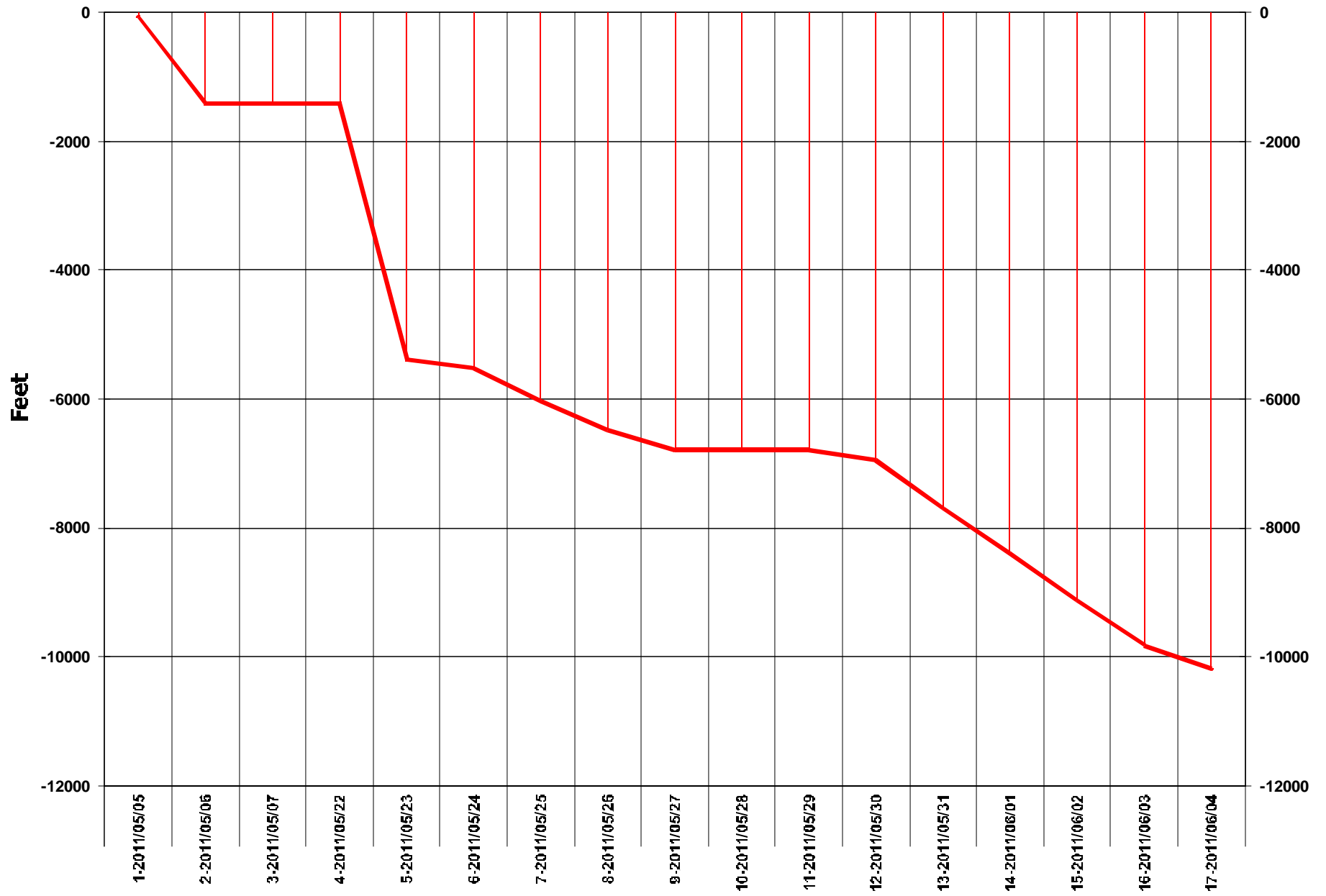
Depth vs BHA



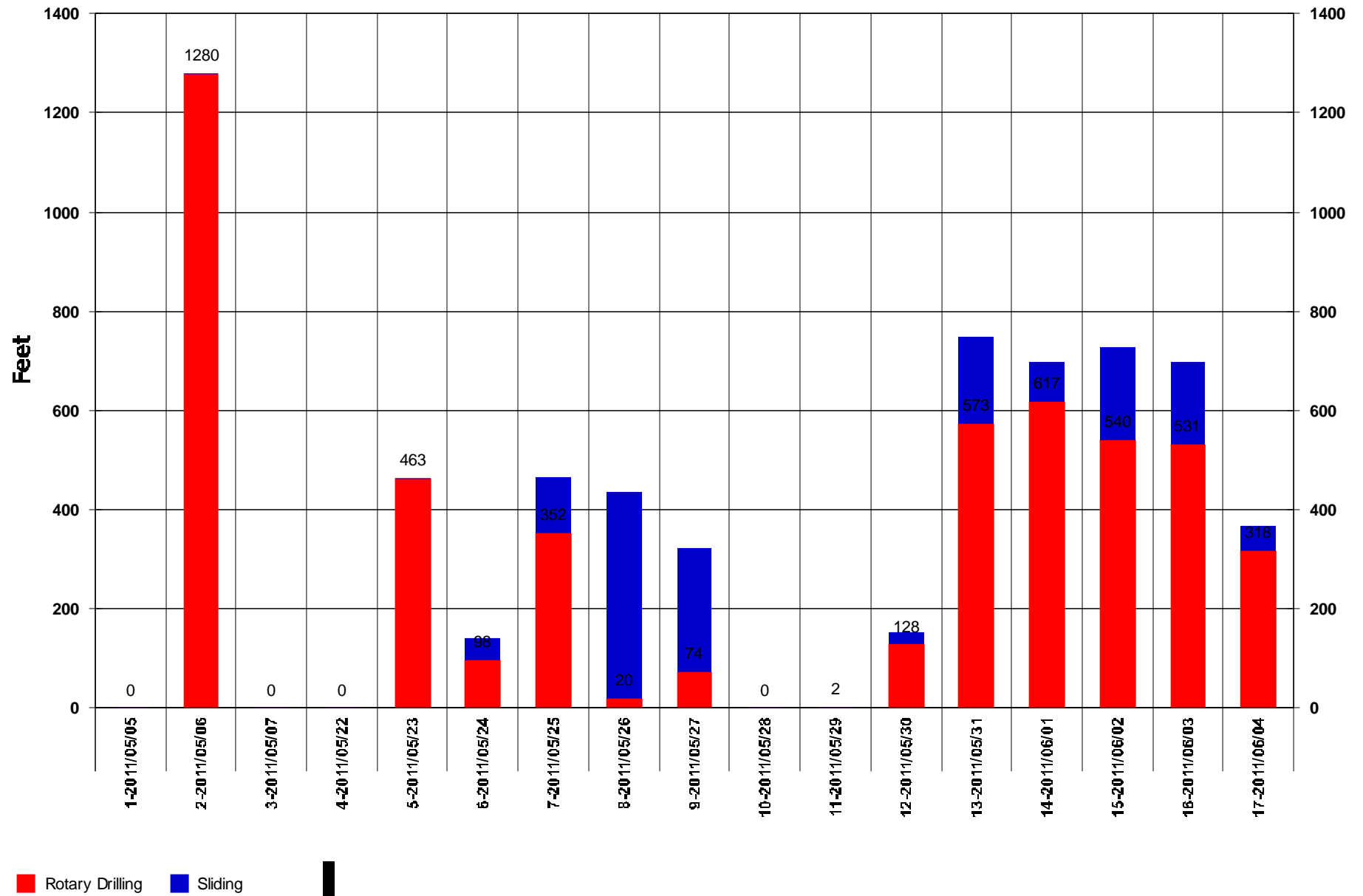
Activity Histogram



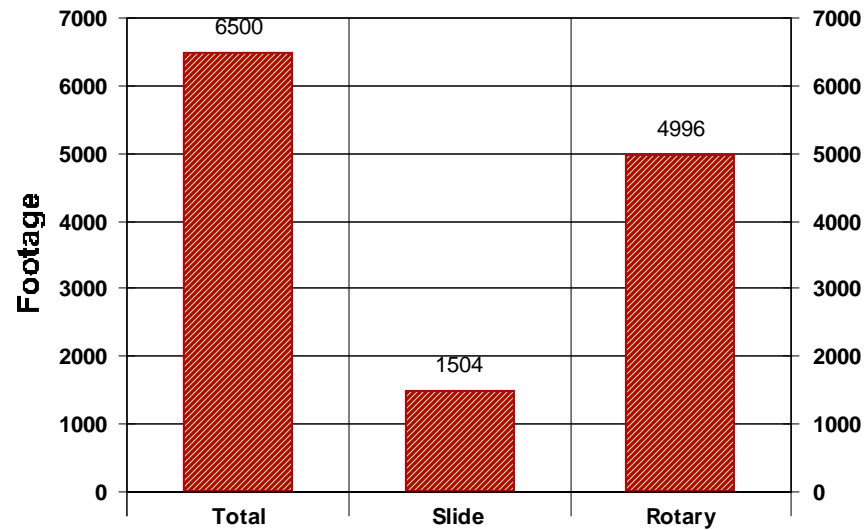
Measured Depth vs Days



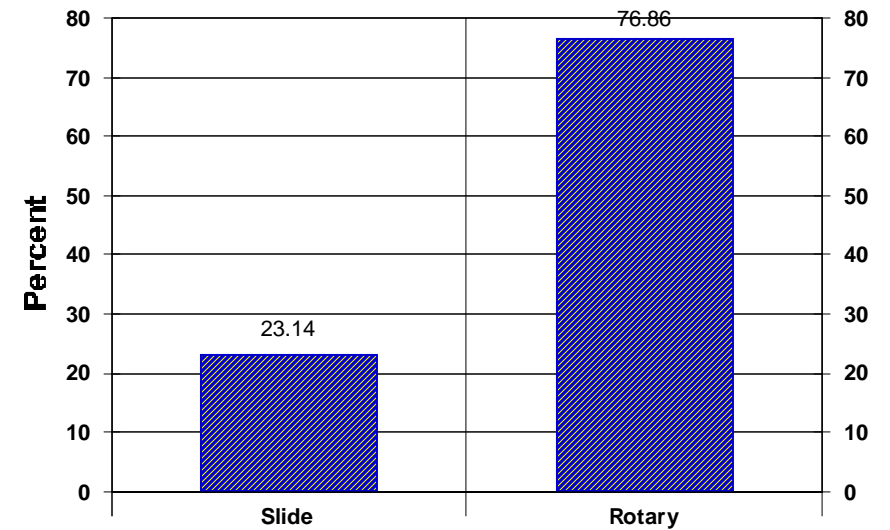
Daily Footage



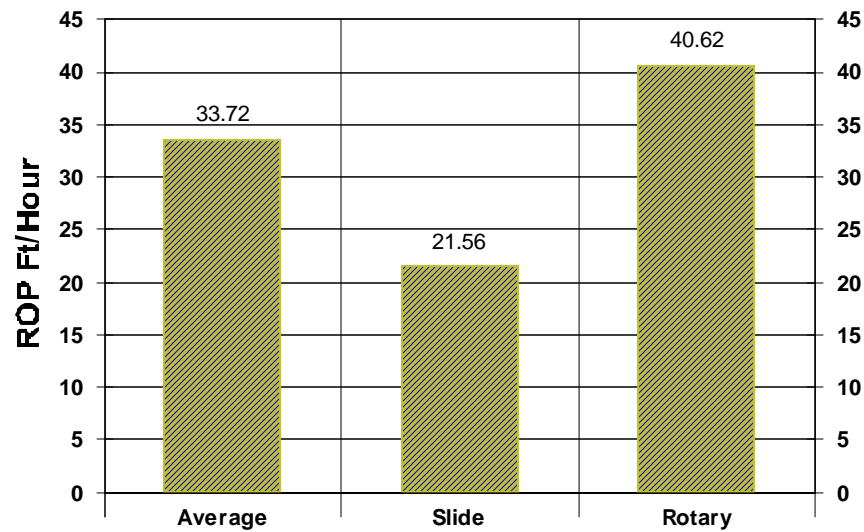
Footage Drilled Totals



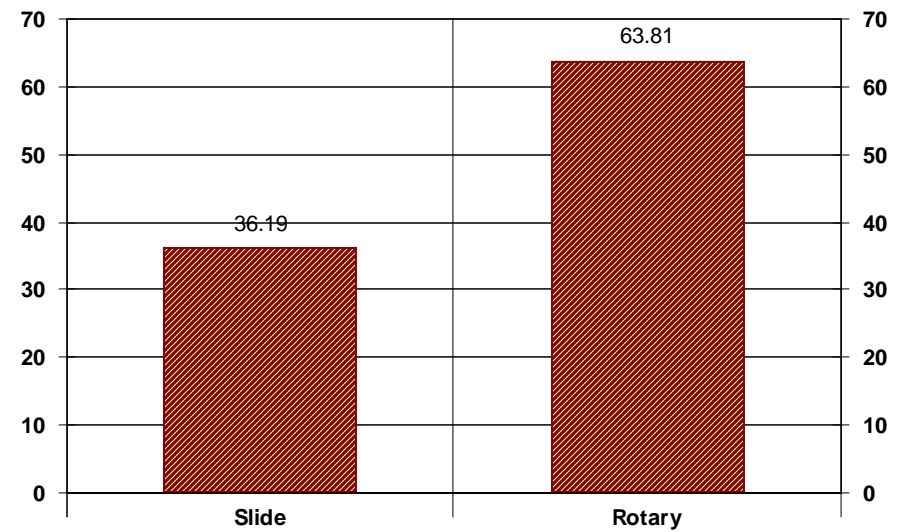
Footage Percent



Rate of Penetration Totals



Time Percent



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Ft. Worth, TX

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Ft. Worth, TX 76140
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Houston, TX

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Houston, TX 77060
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301 Marcon Drive
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Phone: 337.267.7468
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Odessa, TX

1620 South Marlin Dr
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West Alexander, PA

903 Old Brick Rd.
West Alexander, PA 15376
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