



Comet Ridge

COMET RIDGE RESOURCES, LLC

FREMONT COUNTY, CO

ELLIOT NESS 22-17

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Survey: Survey #1

Standard Survey Report

13 May, 2011



Weatherford®

Company:	COMET RIDGE RESOURCES, LLC	Local Co-ordinate Reference:	Well ELLIOT NESS 22-17
Project:	FREMONT COUNTY, CO	TVD Reference:	WELL @ 5221.00ft (ELENBERG 12)
Site:	ELLIOT NESS 22-17	MD Reference:	WELL @ 5221.00ft (ELENBERG 12)
Well:	ELLIOT NESS 22-17	North Reference:	True
Wellbore:	ELLIOT NESS 22-17	Survey Calculation Method:	Minimum Curvature
Design:	ELLIOT NESS 22-17	Database:	EDM 2003.21 Single User Db

Project	FREMONT COUNTY, CO		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	ELLIOT NESS 22-17		
Site Position:		Northing:	1,205,194.46 ft
From:	Lat/Long	Easting:	3,104,185.50 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	38° 23' 46.223 N
		Longitude:	105° 8' 11.360 W
		Grid Convergence:	0.23 °

Well	ELLIOT NESS 22-17		
Well Position	+N/-S	0.00 ft	Northing: 1,205,194.46 ft
	+E/-W	0.00 ft	Easting: 3,104,185.50 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	38° 23' 46.223 N
		Longitude:	105° 8' 11.360 W
		Ground Level:	5,210.00 ft

Wellbore	ELLIOT NESS 22-17		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2010	4/29/2011	8.87
			Dip Angle (°)
			65.37
			Field Strength (nT)
			51,991

Design	ELLIOT NESS 22-17		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.00	0.00	0.00
			Direction (°)
			324.44

Survey Program	Date	5/9/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
603.00	3,860.00	Survey #1 (ELLIOT NESS 22-17)	MWD	MWD - Standard

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
603.00	1.82	313.58	602.90	6.60	-6.94	9.40	0.30	0.30	0.00
696.00	1.66	313.13	695.86	8.54	-8.99	12.18	0.17	-0.17	-0.48
791.00	2.23	303.57	790.80	10.50	-11.53	15.25	0.69	0.60	-10.06
883.00	5.88	324.75	882.56	15.34	-15.75	21.64	4.22	3.97	23.02
974.00	10.00	334.62	972.67	26.29	-21.83	34.08	4.75	4.53	10.85
1,068.00	14.19	332.87	1,064.56	43.93	-30.58	53.52	4.47	4.46	-1.86
1,163.00	17.63	330.75	1,155.91	66.85	-42.93	79.35	3.67	3.62	-2.23
1,258.00	19.88	326.75	1,245.87	92.92	-58.81	109.79	2.73	2.37	-4.21
1,353.00	22.56	323.25	1,334.42	121.03	-78.58	144.16	3.12	2.82	-3.68
1,448.00	25.38	325.62	1,421.22	152.44	-100.98	182.74	3.14	2.97	2.49
1,547.00	29.81	324.37	1,508.94	189.97	-127.31	228.58	4.51	4.47	-1.26
1,641.00	33.25	325.25	1,589.05	230.15	-155.62	277.73	3.69	3.66	0.94

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Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,735.00	37.88	325.87	1,665.49	275.24	-186.52	332.38	4.94	4.93	0.66
1,831.00	42.38	327.12	1,738.88	326.83	-220.64	394.19	4.76	4.69	1.30
1,926.00	44.00	326.25	1,808.14	381.16	-256.35	459.16	1.82	1.71	-0.92
2,019.00	49.06	324.62	1,872.10	436.69	-294.66	526.62	5.59	5.44	-1.75
2,115.00	49.25	323.25	1,934.89	495.40	-337.42	599.23	1.10	0.20	-1.43
2,210.00	50.06	322.25	1,996.39	553.03	-381.24	671.60	1.17	0.85	-1.05
2,302.00	50.07	321.86	2,055.45	608.66	-424.62	742.09	0.33	0.01	-0.42
TGT #1									
2,306.78	50.03	321.81	2,058.52	611.54	-426.89	745.75	1.18	-0.90	-1.00
2,400.00	49.19	320.87	2,118.92	666.98	-471.23	816.64	1.18	-0.90	-1.01
2,498.00	48.31	320.87	2,183.54	724.13	-517.73	890.18	0.90	-0.90	0.00
2,593.00	48.38	319.87	2,246.68	778.80	-563.00	960.98	0.79	0.07	-1.05
2,685.00	48.31	319.37	2,307.83	831.16	-607.53	1,029.47	0.41	-0.08	-0.54
2,781.00	47.88	321.50	2,371.95	886.23	-653.04	1,100.74	1.71	-0.45	2.22
2,875.00	47.88	322.00	2,434.99	940.99	-696.21	1,170.38	0.39	0.00	0.53
2,971.00	47.31	321.50	2,499.73	996.66	-740.09	1,241.19	0.71	-0.59	-0.52
3,065.00	47.25	321.12	2,563.50	1,050.56	-783.26	1,310.15	0.30	-0.06	-0.40
3,161.00	48.25	321.87	2,628.05	1,106.17	-827.50	1,381.11	1.19	1.04	0.78
3,256.00	48.38	321.37	2,691.23	1,161.79	-871.55	1,451.98	0.42	0.14	-0.53
3,351.00	48.56	320.75	2,754.22	1,217.10	-916.25	1,522.97	0.52	0.19	-0.65
3,446.00	48.69	320.12	2,817.01	1,272.06	-961.65	1,594.08	0.52	0.14	-0.66
3,541.00	49.19	319.25	2,879.41	1,326.67	-1,008.00	1,665.47	0.87	0.53	-0.92
3,637.00	49.69	318.75	2,941.84	1,381.72	-1,055.85	1,738.07	0.65	0.52	-0.52
LAST SVY									
3,732.00	49.88	317.62	3,003.17	1,435.78	-1,104.21	1,810.18	0.93	0.20	-1.19
PBHL ELLIOT NESS 22-17									
3,831.44	49.88	317.62	3,067.25	1,491.95	-1,155.47	1,885.69	0.00	0.00	0.00
PROJ SVY									
3,860.00	49.88	317.62	3,085.66	1,508.08	-1,170.19	1,907.37	0.00	0.00	0.00

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
3,732.00	3,003.17	1,435.78	-1,104.21	LAST SVY
3,860.00	3,085.66	1,508.08	-1,170.19	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____