



Comet Ridge

COMET RIDGE RESOURCES, LLC

FREMONT COUNTY, CO

TRIGGERFISH 22-31

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Survey: Survey #1

Standard Survey Report

13 May, 2011



Weatherford®

Company:	COMET RIDGE RESOURCES, LLC	Local Co-ordinate Reference:	Well TRIGGERFISH 22-31
Project:	FREMONT COUNTY, CO	TVD Reference:	WELL @ 5608.00ft (Original Well Elev)
Site:	TRIGGERFISH 22-31	MD Reference:	WELL @ 5608.00ft (Original Well Elev)
Well:	TRIGGERFISH 22-31	North Reference:	True
Wellbore:	TRIGGERFISH 22-31	Survey Calculation Method:	Minimum Curvature
Design:	TRIGGERFISH 22-31	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	TRIGGERFISH 22-31		
Site Position:		Northing:	1,189,862.28 ft
From:	Lat/Long	Easting:	3,098,659.50 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	38° 21' 14.879 N
		Longitude:	105° 9' 21.499 W
		Grid Convergence:	0.22 °

Well	TRIGGERFISH 22-31		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty		0.00 ft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	TRIGGERFISH 22-31		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2010	4/19/2011	8.88
			Dip Angle (°)
			65.34
			Field Strength (nT)
			51,966

Design	TRIGGERFISH 22-31		
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 (°)
			131.21

Survey Program	Date	5/13/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
726.00	4,428.00	Survey #1 (TRIGGERFISH 22-31)	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
726.00	2.57	258.54	725.76	-3.23	-15.96	-9.87	0.35	0.35	0.00
818.00	1.80	253.02	817.69	-4.07	-19.36	-11.88	0.87	-0.84	-6.00
910.00	1.44	255.38	909.65	-4.78	-21.86	-13.30	0.40	-0.39	2.57
1,002.00	1.19	201.26	1,001.63	-5.96	-23.32	-13.62	1.32	-0.27	-58.83
1,099.00	1.38	187.76	1,098.61	-8.06	-23.85	-12.63	0.37	0.20	-13.92
1,194.00	1.25	182.88	1,193.58	-10.23	-24.05	-11.36	0.18	-0.14	-5.14
1,288.00	1.38	169.88	1,287.56	-12.36	-23.91	-9.84	0.35	0.14	-13.83
1,384.00	1.56	171.26	1,383.53	-14.79	-23.50	-7.94	0.19	0.19	1.44
1,479.00	0.75	115.38	1,478.51	-16.34	-22.75	-6.35	1.37	-0.85	-58.82
1,575.00	0.81	103.01	1,574.50	-16.76	-21.52	-5.15	0.19	0.06	-12.89
1,669.00	0.81	106.38	1,668.49	-17.10	-20.23	-3.96	0.05	0.00	3.59
1,764.00	1.38	107.63	1,763.47	-17.63	-18.50	-2.30	0.60	0.60	1.32

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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)
1,859.00	1.50	107.13	1,858.44	-18.35	-16.22	-0.12	0.13	0.13	-0.53
1,954.00	2.13	107.88	1,953.39	-19.25	-13.35	2.64	0.66	0.66	0.79
2,051.00	2.25	104.51	2,050.32	-20.29	-9.79	6.00	0.18	0.12	-3.47
2,146.00	2.81	116.63	2,145.23	-21.80	-5.91	9.92	0.81	0.59	12.76
2,241.00	6.13	147.51	2,239.94	-27.12	-1.10	17.04	4.20	3.49	32.51
2,336.00	9.44	142.51	2,334.05	-37.58	6.37	29.55	3.55	3.48	-5.26
2,431.00	12.25	136.01	2,427.35	-51.02	18.12	47.24	3.22	2.96	-6.84
TOP TGT TRIGGERFISH 22-31									
2,504.29	13.31	132.35	2,498.83	-62.30	29.75	63.42	1.82	1.44	-4.99
2,526.00	13.63	131.38	2,519.94	-65.67	33.52	68.48	1.82	1.48	-4.49
2,624.00	15.06	126.06	2,614.88	-80.80	52.47	92.71	1.98	1.46	-5.43
2,717.00	15.00	123.88	2,704.70	-94.62	72.23	116.68	0.61	-0.06	-2.34
2,812.00	16.50	125.13	2,796.13	-109.24	93.47	142.29	1.62	1.58	1.32
2,907.00	19.94	126.26	2,886.36	-126.59	117.58	171.85	3.64	3.62	1.19
3,002.00	23.44	127.01	2,974.62	-147.55	145.74	206.85	3.70	3.68	0.79
3,097.00	27.00	129.26	3,060.55	-172.58	177.53	247.26	3.88	3.75	2.37
3,195.00	31.19	129.13	3,146.17	-202.68	214.46	294.87	4.28	4.28	-0.13
3,290.00	35.19	129.76	3,225.65	-235.73	254.60	346.84	4.23	4.21	0.66
3,386.00	37.63	133.13	3,302.91	-273.47	297.26	403.80	3.29	2.54	3.51
3,481.00	41.00	133.01	3,376.40	-314.56	341.23	463.95	3.55	3.55	-0.13
TGT TRIGGERFISH 22-31									
3,541.95	43.24	132.43	3,421.61	-342.29	371.26	504.81	3.74	3.68	-0.95
3,576.00	44.50	132.13	3,446.15	-358.17	388.72	528.40	3.74	3.69	-0.89
3,671.00	45.06	130.63	3,513.59	-402.40	438.93	595.31	1.26	0.59	-1.58
3,767.00	44.81	129.13	3,581.55	-445.87	490.96	663.10	1.13	-0.26	-1.56
3,862.00	46.44	129.76	3,647.98	-489.01	543.39	730.97	1.78	1.72	0.66
3,957.00	45.19	129.01	3,714.20	-532.24	596.04	799.05	1.43	-1.32	-0.79
4,021.00	45.88	129.51	3,759.03	-561.15	631.40	844.70	1.21	1.08	0.78
4,145.00	46.00	128.38	3,845.26	-617.16	700.71	933.74	0.66	0.10	-0.91
4,206.00	45.25	128.01	3,887.92	-644.12	734.97	977.28	1.30	-1.23	-0.61
4,269.00	45.06	126.76	3,932.35	-671.24	770.46	1,021.85	1.44	-0.30	-1.98
LAST SVY - PBHL TRIGGERFISH 22-31									
4,331.00	44.75	125.88	3,976.26	-697.16	805.73	1,065.45	1.12	-0.50	-1.42
PROJ SVY									
4,428.00	44.75	125.88	4,045.15	-737.19	861.06	1,133.45	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
4,331.00	3,976.26	-697.16	805.73	LAST SVY
4,428.00	4,045.15	-737.19	861.06	PROJ SVY

Checked By: _____	Approved By: _____	Date: _____
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