



Comet Ridge

COMET RIDGE RESOURCES, LLC

FREMONT COUNTY, CO

BUCK GARRETT 12-9

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Survey: Survey #1

Standard Survey Report

12 May, 2011



Weatherford®

Company:	COMET RIDGE RESOURCES, LLC	Local Co-ordinate Reference:	Well BUCK GARRETT 12-9
Project:	FREMONT COUNTY, CO	TVD Reference:	WELL @ 5263.90ft (Original Well Elev)
Site:	BUCK GARRETT 12-9	MD Reference:	WELL @ 5263.90ft (Original Well Elev)
Well:	BUCK GARRETT 12-9	North Reference:	True
Wellbore:	BUCK GARRETT 12-9	Survey Calculation Method:	Minimum Curvature
Design:	BUCK GARRETT 12-9	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	BUCK GARRETT 12-9				
Site Position:		Northing:	1,211,445.41 ft	Latitude:	38° 24' 47.858 N
From:	Lat/Long	Easting:	3,108,015.64 ft	Longitude:	105° 7' 22.926 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.24 °

Well	BUCK GARRETT 12-9					
Well Position	+N/-S	0.00 ft	Northing:	1,211,445.41 ft	Latitude:	38° 24' 47.858 N
	+E/-W	0.00 ft	Easting:	3,108,015.64 ft	Longitude:	105° 7' 22.926 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,252.90 ft

Wellbore	BUCK GARRETT 12-9				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	5/3/2011	8.87	65.39	52,001

Design	BUCK GARRETT 12-9				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	177.78	

Survey Program	Date	5/12/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
894.00	4,860.00	Survey #1 (BUCK GARRETT 12-9)	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	
894.00	3.35	317.03	893.49	19.12	-17.81	-19.79	0.37	0.37	0.00	
986.00	1.10	339.69	985.42	21.91	-19.95	-22.67	2.58	-2.45	24.63	
1,079.00	1.06	121.84	1,078.41	22.30	-19.53	-23.04	2.20	-0.04	152.85	
1,171.00	2.50	124.37	1,170.36	20.72	-17.15	-21.36	1.57	1.57	2.75	
1,264.00	2.75	123.37	1,263.27	18.34	-13.61	-18.86	0.27	0.27	-1.08	
1,357.00	1.63	126.12	1,356.20	16.34	-10.68	-16.74	1.21	-1.20	2.96	
1,452.00	0.31	211.12	1,451.18	15.32	-9.72	-15.68	1.72	-1.39	89.47	
1,549.00	0.25	176.25	1,548.18	14.88	-9.84	-15.25	0.18	-0.06	-35.95	
1,645.00	0.63	157.62	1,644.18	14.19	-9.63	-14.55	0.42	0.40	-19.41	
1,740.00	0.63	160.12	1,739.17	13.21	-9.25	-13.56	0.03	0.00	2.63	
1,837.00	0.75	144.62	1,836.17	12.19	-8.70	-12.52	0.23	0.12	-15.98	
1,932.00	0.94	165.00	1,931.16	10.93	-8.14	-11.24	0.37	0.20	21.45	

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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)
2,028.00	7.25	175.87	2,026.86	4.12	-7.50	-4.41	6.59	6.57	11.32
2,122.00	13.56	176.87	2,119.27	-12.81	-6.47	12.55	6.72	6.71	1.06
2,217.00	19.69	174.87	2,210.26	-39.90	-4.43	39.70	6.48	6.45	-2.11
2,312.00	25.88	175.87	2,297.80	-76.55	-1.50	76.44	6.53	6.52	1.05
2,407.00	31.69	177.87	2,381.03	-122.21	0.92	122.15	6.20	6.12	2.11
2,502.00	37.88	178.87	2,459.01	-176.36	2.43	176.32	6.54	6.52	1.05
2,598.00	42.44	179.37	2,532.36	-238.25	3.36	238.20	4.76	4.75	0.52
2,692.00	48.50	179.50	2,598.25	-305.22	4.02	305.15	6.45	6.45	0.14
2,786.00	54.75	178.75	2,656.58	-378.87	5.17	378.78	6.68	6.65	-0.80
2,882.00	62.00	177.37	2,706.89	-460.51	7.97	460.47	7.65	7.55	-1.44
2,976.00	68.06	177.50	2,746.55	-545.60	11.78	545.64	6.45	6.45	0.14
3,071.00	73.56	178.12	2,777.76	-635.22	15.20	635.33	5.82	5.79	0.65
3,165.00	80.25	177.37	2,799.05	-726.65	18.81	726.83	7.16	7.12	-0.80
3,259.00	86.63	177.12	2,809.78	-819.88	23.29	820.16	6.79	6.79	-0.27
3,360.00	88.90	178.32	2,813.72	-920.71	27.31	921.08	2.54	2.25	1.19
3,454.00	91.54	177.92	2,813.36	-1,014.65	30.39	1,015.07	2.84	2.81	-0.43
3,550.00	91.42	177.29	2,810.88	-1,110.54	34.40	1,111.03	0.67	-0.13	-0.66
3,644.00	91.19	176.72	2,808.74	-1,204.38	39.31	1,205.00	0.65	-0.24	-0.61
3,737.00	91.06	175.50	2,806.91	-1,297.15	45.62	1,297.94	1.32	-0.14	-1.31
3,831.00	91.81	174.50	2,804.56	-1,390.76	53.81	1,391.80	1.33	0.80	-1.06
3,927.00	91.06	175.37	2,802.16	-1,486.35	62.28	1,487.65	1.20	-0.78	0.91
4,116.00	90.18	174.62	2,800.11	-1,674.62	78.77	1,676.41	0.61	-0.47	-0.40
4,208.00	90.56	176.12	2,799.52	-1,766.31	86.20	1,768.33	1.68	0.41	1.63
4,303.00	88.81	177.62	2,800.04	-1,861.16	91.38	1,863.31	2.43	-1.84	1.58
4,397.00	89.75	176.50	2,801.22	-1,955.03	96.20	1,957.29	1.56	1.00	-1.19
4,491.00	89.44	175.50	2,801.89	-2,048.80	102.76	2,051.24	1.11	-0.33	-1.06
4,586.00	91.13	176.62	2,801.41	-2,143.57	109.29	2,146.19	2.13	1.78	1.18
4,681.00	90.81	176.62	2,799.80	-2,238.39	114.89	2,241.16	0.34	-0.34	0.00
LAST SVY									
4,777.00	91.25	176.25	2,798.08	-2,334.19	120.86	2,337.12	0.60	0.46	-0.39
PBHL BUCK GARRETT 12-9									
4,841.18	91.25	176.25	2,796.68	-2,398.21	125.05	2,401.26	0.00	0.00	0.00
PROJ SVY									
4,860.00	91.25	176.25	2,796.27	-2,416.99	126.28	2,420.07	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
4,777.00	2,798.08	-2,334.19	120.86	LAST SVY
4,860.00	2,796.27	-2,416.99	126.28	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____