

**COMPUTALOG**

Drilling Services

Client : COMET RIDGE/PINE RIDGE
Well : FREMONT/CO
Location : PATTI 32-29
License :

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Date : 6/24/2010
File :

UWI #:

Vertical Section Calculated Along Azimuth 127.50°**KB Elevation = 5296.00ft****GR. Elevation = 5285.00ft**

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	765.00	0.81	165.37	764.97	-5.23	1.37	4.27	0.11	0.11	21.62
2	861.00	0.38	134.96	860.97	-6.11	1.76	5.12	0.54	-0.45	-31.68
3	956.00	0.44	143.37	955.97	-6.63	2.20	5.78	0.09	0.06	8.85
4	1054.00	0.75	131.87	1053.96	-7.36	2.91	6.78	0.34	0.32	-11.73
5	1150.00	1.13	129.37	1149.95	-8.38	4.10	8.36	0.40	0.40	-2.60
6	1245.00	1.55	118.00	1244.92	-9.58	5.96	10.56	0.52	0.44	-11.97
7	1343.00	1.56	118.37	1342.89	-10.83	8.31	13.19	0.01	0.01	0.38
8	1439.00	1.69	111.87	1438.85	-11.98	10.77	15.84	0.23	0.14	-6.77
9	1534.00	3.25	118.99	1533.76	-13.81	14.43	19.85	1.67	1.64	7.49
10	1629.00	5.25	122.21	1628.49	-17.43	20.46	26.84	2.12	2.11	3.39
11	1723.00	7.13	121.37	1721.94	-22.76	29.08	36.93	2.00	2.00	-0.89
12	1818.00	9.44	125.87	1815.94	-30.39	40.43	50.58	2.52	2.43	4.74
13	1913.00	11.88	128.62	1909.30	-41.06	54.38	68.14	2.62	2.57	2.89
14	2008.00	14.63	127.12	2001.76	-54.41	71.59	89.92	2.92	2.89	-1.58
15	2104.00	17.28	125.24	2094.05	-69.96	92.91	116.30	2.81	2.76	-1.96
16	2199.00	19.94	125.87	2184.08	-87.59	117.57	146.59	2.81	2.80	0.66
17	2293.00	22.88	126.36	2271.58	-107.82	145.28	180.89	3.13	3.13	0.52
18	2389.00	26.25	126.74	2358.88	-131.59	177.33	220.79	3.51	3.51	0.40
19	2487.00	29.19	126.49	2445.62	-158.78	213.92	266.37	3.00	3.00	-0.26
20	2581.00	31.58	128.09	2526.71	-187.60	251.72	313.91	2.68	2.54	1.70
21	2676.00	34.13	127.24	2606.50	-219.07	292.52	365.44	2.73	2.68	-0.89
22	2771.00	33.63	127.62	2685.37	-251.26	334.58	418.40	0.57	-0.53	0.40
23	2866.00	34.63	127.37	2764.01	-283.70	376.87	471.70	1.06	1.05	-0.26
24	2961.00	35.25	129.12	2841.89	-317.39	419.59	526.10	1.24	0.65	1.84
25	3056.00	34.19	127.99	2919.97	-351.11	461.90	580.19	1.31	-1.12	-1.19
26	3144.00	35.19	126.74	2992.33	-381.50	501.71	630.27	1.39	1.14	-1.42
27	3239.00	36.86	127.51	3069.16	-415.23	546.25	686.14	1.82	1.76	0.81
28	3334.00	36.05	126.15	3145.57	-449.07	591.42	742.58	1.20	-0.85	-1.43
29	3429.00	35.38	124.49	3222.71	-481.13	636.66	798.00	1.24	-0.71	-1.75
30	3524.00	35.56	126.74	3300.08	-513.23	681.47	853.08	1.39	0.19	2.37
31	3620.00	35.63	129.49	3378.15	-547.71	725.42	908.94	1.67	0.07	2.86
32	3820.00	34.31	126.74	3542.04	-618.49	815.56	1023.54	1.03	-0.66	-1.38
33	4019.00	32.63	119.37	3708.11	-678.38	907.31	1132.79	2.21	-0.84	-3.70
34	4114.00	35.69	120.87	3786.71	-705.17	953.42	1185.68	3.34	3.22	1.58



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	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	°/100	°/100	°/100
35	4212.00	36.81	125.24	3865.75	-736.78	1001.95	1243.42	2.87	1.14	4.46
36	4307.00	36.00	127.99	3942.22	-770.39	1047.20	1299.78	1.92	-0.85	2.89
37	4367.00	36.38	128.49	3990.64	-792.32	1075.03	1335.21	0.80	0.63	0.83
38	4461.00	35.81	127.74	4066.60	-826.50	1118.59	1390.58	0.77	-0.61	-0.80
EXT	4514.00	35.81	127.74	4109.58	-845.48	1143.12	1421.59	0.00	0.00	0.00

Bottom Hole Closure 1421.81ft Along Azimuth 126.49°