

# Well Header

API: 05123273170000

Gr Elev (ft): 4,977.00

Surf Loc: SESW 22 6N 63W

Orig KB Elev (ft): 4,987.00

Field Name: Wattenberg

KB-Grd (ft): 10.00

## Wellbores

Wellbore Name: Original Hole

Parent Wellbore:

KO MD (ftKB):

## Deviation Surveys

Date: 2012/05/03

Definitive?:

Des: Cased Hole Gyro

MD Tie In (ftKB): 0.00

TVDTie In (ftKB): 0.00

Inclination Tie In (°): 0.00

## Survey Data

Date

MD (ftKB)

Incl (°)

100	0.32
200	0.25
300	0.5
400	0.53
500	0.64
600	0.67
700	0.66
800	0.68
900	0.54
1,000.00	0.54
1,100.00	0.56
1,200.00	0.53
1,300.00	0.4
1,400.00	0.66
1,500.00	0.41
1,600.00	0.54
1,700.00	0.76
1,800.00	0.67
1,900.00	0.88
2,000.00	0.96
2,100.00	0.96
2,200.00	0.9
2,300.00	0.83
2,400.00	0.79
2,500.00	1.33
2,600.00	1.04
2,700.00	1.12
2,800.00	0.89
2,900.00	1.08
3,000.00	0.96
3,100.00	0.93
3,200.00	1.12
3,300.00	0.95
3,400.00	0.66
3,500.00	0.6
3,600.00	0.46

3,700.00	0.46
3,800.00	0.3
3,900.00	0.16
4,000.00	0.12
4,100.00	0.32
4,200.00	0.24
4,300.00	0.4
4,400.00	0.17
4,500.00	0.24
4,600.00	0.39
4,700.00	0.47
4,800.00	0.45
4,900.00	0.59
5,000.00	0.63
5,100.00	0.59
5,200.00	0.38
5,300.00	0.82
5,400.00	1.08
5,500.00	0.97
5,600.00	1.3
5,700.00	0.79
5,800.00	0.58
5,900.00	0.5
6,000.00	0.51
6,100.00	0.58
6,200.00	0.32
6,300.00	0.44
6,400.00	0.49
6,500.00	0.65
6,600.00	0.88
6,700.00	1.05
6,800.00	0.73

State: CO

Well Config: Vertical

Spud Date: 2006/12/29 00:00

RR Date: 2007/01/03 00:00

On Prod Date: 2007/03/21 00:00

VS Dir (°): 0.00

Prop?:

Azimuth Tie In (°): 0.00

NSTie In (ft): 0.00

EWTie In (ft): 0.00

Azm (°)	TVD (ftKB)	VS (ft)	NS (ft)	
346.59	100	0.27	0.27	
333.12	200	0.74	0.74	
13.86	300	1.36	1.36	
18.33	399.99	2.22	2.22	
27.83	499.99	3.15	3.15	
14.78	599.98	4.21	4.21	
30.67	699.97	5.27	5.27	
23.1	799.97	6.31	6.31	
358.2	899.96	7.33	7.33	
28.08	999.96	8.22	8.22	
352.29	1,099.95	9.12	9.12	
16.43	1,199.95	10.04	10.04	
328.67	1,299.95	10.79	10.79	
346.44	1,399.94	11.64	11.64	
352.61	1,499.94	12.56	12.56	
328.2	1,599.93	13.31	13.31	
349.17	1,699.93	14.37	14.37	
0.97	1,799.92	15.6	15.6	
1.49	1,899.91	16.95	16.95	
2.05	1,999.90	18.56	18.56	
357.27	2,099.88	20.23	20.23	
343.68	2,199.87	21.82	21.82	
330.21	2,299.86	23.21	23.21	
339.7	2,399.85	24.48	24.48	
336.1	2,499.83	26.19	26.19	
325.11	2,599.81	27.99	27.99	
325.16	2,699.79	29.54	29.54	
305.02	2,799.78	30.79	30.79	
307.96	2,899.76	31.81	31.81	
320.65	2,999.75	33.04	33.04	
301.11	3,099.73	34.11	34.11	
295.17	3,199.72	34.94	34.94	
294.4	3,299.70	35.7	35.7	
293.4	3,399.69	36.27	36.27	
268.86	3,499.69	36.49	36.49	
231.32	3,599.68	36.23	36.23	

246.8	3,699.68	35.82	35.82
238.43	3,799.68	35.53	35.53
188.28	3,899.67	35.25	35.25
225.25	3,999.67	35.04	35.04
211.71	4,099.67	34.73	34.73
105.27	4,199.67	34.43	34.43
120.03	4,299.67	34.2	34.2
98.92	4,399.67	34.01	34.01
108.93	4,499.67	33.92	33.92
108.32	4,599.67	33.74	33.74
87.65	4,699.67	33.65	33.65
27.72	4,799.66	34.02	34.02
6.01	4,899.66	34.87	34.87
5.67	4,999.65	35.93	35.93
1.9	5,099.65	37	37
292.63	5,199.64	37.64	37.64
257.18	5,299.64	37.61	37.61
258.71	5,399.63	37.26	37.26
247.07	5,499.61	36.75	36.75
237.42	5,599.59	35.81	35.81
243.37	5,699.57	34.89	34.89
266.02	5,799.57	34.54	34.54
279.53	5,899.56	34.58	34.58
290.59	5,999.56	34.81	34.81
248.78	6,099.55	34.78	34.78
289.94	6,199.55	34.7	34.7
274.64	6,299.55	34.82	34.82
207.36	6,399.55	34.47	34.47
166.92	6,499.54	33.54	33.54
184.03	6,599.53	32.22	32.22
228.39	6,699.52	30.85	30.85
263.52	6,799.51	30.17	30.17

EW (ft)	DLS (°/100ft)	Method	Survey Company
-0.06	0.32		
-0.23	0.1		
-0.22	0.35		
0.03	0.05		
0.43	0.15		
0.84	0.15		
1.29	0.18		
1.81	0.09		
2.03	0.3		
2.24	0.28		
2.39	0.34		
2.46	0.23		
2.41	0.39		
2.09	0.3		
1.91	0.26		
1.62	0.24		
1.24	0.32		
1.13	0.17		
1.16	0.21		
1.21	0.08		
1.2	0.08		
0.94	0.23		
0.36	0.21		
-0.24	0.14		
-0.95	0.54		
-1.94	0.37		
-3.02	0.08		
-4.21	0.42		
-5.59	0.2		
-6.86	0.26		
-8.09	0.32		
-9.67	0.22		
-11.31	0.17		
-12.59	0.29		
-13.64	0.27		
-14.48	0.37		

-15.16	0.12
-15.76	0.17
-16	0.23
-16.09	0.1
-16.31	0.21
-16.26	0.45
-15.76	0.18
-15.31	0.25
-14.96	0.08
-14.44	0.15
-13.71	0.17
-13.12	0.46
-12.88	0.24
-12.77	0.04
-12.7	0.06
-12.99	0.58
-13.99	0.56
-15.61	0.26
-17.32	0.23
-19.05	0.38
-20.63	0.52
-21.75	0.34
-22.68	0.15
-23.53	0.1
-24.42	0.39
-25.15	0.4
-25.8	0.16
-26.38	0.52
-26.44	0.42
-26.37	0.32
-27.11	0.75
-28.43	0.62