

Well Header

API: 05123273180000 Surf Loc: NESW 22 6N 63W Well Config: Vertical Field Name: Wattenberg State: CO
Gr Elev (ft): 4,760.00 Orig KB Elev (ft): 4,770.00 RR Date: 2007/01/14 00:00 KB-Grd (ft): 10.00 Spud Date: 2007/01/10 00:00

Wellbores

Wellbore Name: Original Hole Parent Wellbore: KO MD (ftKB): VS Dir (*): 0.00

Deviation Surveys

Date: 2012/05/07 Definitive?: Des: Cased Hole Gyro Prop?:
MD Tie In (ftKB): 0.00 TVDTie In (ftKB): 0.00 NSTie In (ft): 0.00 Inclination Tie In (*): 0.00 Azimuth Tie In (*): 0.00

Survey Data

Date	MD (ftKB)	TVD (ftKB)	Incl (*)	Azm (*)	NS (ft)	EW (ft)	DLS (*/100ft)	Method	Survey Company
	0	0	0						
	100	100	0.67	272.74	0.03	-0.58	0.67		
	200	199.99	0.71	257.01	-0.08	-1.77	0.19		
	300	299.98	0.57	228.56	-0.55	-2.75	0.34		
	400	399.98	0.52	227.06	-1.19	-3.45	0.05		
	500	499.98	0.3	217.09	-1.71	-3.94	0.23		
	600	599.98	0.07	357.06	-1.86	-4.1	0.36		
	700	699.98	0.22	338.79	-1.62	-4.18	0.16		
	800	799.98	0.37	286.74	-1.34	-4.56	0.29		
	900	899.97	0.14	314.11	-1.17	-4.95	0.25		
	1,000.00	999.97	0.09	273.53	-1.08	-5.12	0.09		
	1,100.00	1,099.97	0.24	280.71	-1.03	-5.4	0.15		
	1,200.00	1,199.97	0.24	277.68	-0.97	-5.82	0.01		
	1,300.00	1,299.97	0.2	242.58	-1.02	-6.18	0.14		
	1,400.00	1,399.97	0.28	274.32	-1.08	-6.58	0.15		
	1,500.00	1,499.97	0.46	285.03	-0.96	-7.21	0.19		
	1,600.00	1,599.97	0.53	271.24	-0.84	-8.06	0.14		
	1,700.00	1,699.96	0.37	259.53	-0.89	-8.84	0.18		
	1,800.00	1,799.96	0.42	309.57	-0.72	-9.44	0.34		
	1,900.00	1,899.95	0.81	311.87	-0.01	-10.25	0.39		
	2,000.00	1,999.94	0.97	309.38	1	-11.43	0.16		
	2,100.00	2,099.92	1.2	333.39	2.47	-12.55	0.5		
	2,200.00	2,199.90	1.39	324.83	4.4	-13.72	0.27		
	2,300.00	2,299.87	1.54	349.31	6.71	-14.67	0.64		
	2,400.00	2,399.83	1.44	7.88	9.27	-14.74	0.49		
	2,500.00	2,499.80	1.54	8.61	11.85	-14.37	0.1		
	2,600.00	2,599.77	1.38	9.8	14.36	-13.96	0.16		
	2,700.00	2,699.74	1.16	8.98	16.55	-13.6	0.22		
	2,800.00	2,799.72	1.05	12.92	18.44	-13.24	0.13		
	2,900.00	2,899.71	1.01	13.34	20.19	-12.83	0.04		
	3,000.00	2,999.70	0.88	13.16	21.8	-12.45	0.13		
	3,100.00	3,099.69	0.75	33.6	23.09	-11.92	0.32		
	3,200.00	3,199.67	0.9	34.02	24.29	-11.11	0.15		
	3,300.00	3,299.67	0.36	6.55	25.25	-10.64	0.6		
	3,400.00	3,399.67	0.18	200.05	25.42	-10.66	0.54		
	3,500.00	3,499.67	0.36	183.11	24.95	-10.73	0.19		
	3,600.00	3,599.66	0.72	202.14	24.06	-10.98	0.4		
	3,700.00	3,699.66	0.49	183.34	23.05	-11.24	0.3		
	3,800.00	3,799.65	0.49	198.47	22.22	-11.4	0.13		
	3,900.00	3,899.65	0.46	245.56	21.65	-11.9	0.38		
	4,000.00	3,999.65	0.46	256.36	21.38	-12.66	0.09		
	4,100.00	4,099.65	0.22	220.52	21.14	-13.17	0.31		
	4,200.00	4,199.64	0.47	257.77	20.91	-13.7	0.32		
	4,300.00	4,299.64	0.62	215.29	20.38	-14.41	0.42		
	4,400.00	4,399.63	0.58	244.7	19.72	-15.18	0.31		
	4,500.00	4,499.63	0.56	216.84	19.12	-15.93	0.28		
	4,600.00	4,599.62	0.55	240.04	18.49	-16.64	0.22		
	4,700.00	4,699.62	0.51	331.99	18.64	-17.27	0.76		
	4,800.00	4,799.62	0.6	351.32	19.55	-17.56	0.21		
	4,900.00	4,899.61	0.55	242.37	19.85	-18.06	0.94		
	5,000.00	4,999.60	1.3	227.99	18.86	-19.33	0.78		
	5,100.00	5,099.57	1.36	235.15	17.43	-21.15	0.18		
	5,200.00	5,199.56	0.68	219.06	16.29	-22.49	0.73		
	5,300.00	5,299.55	0.64	191.76	15.28	-22.98	0.31		
	5,400.00	5,399.55	0.62	209.21	14.26	-23.36	0.19		
	5,500.00	5,499.54	0.4	170.81	13.44	-23.57	0.39		
	5,600.00	5,599.54	0.37	203.06	12.8	-23.64	0.22		
	5,700.00	5,699.54	0.65	193.33	11.95	-23.89	0.29		
	5,800.00	5,799.53	0.58	192.56	10.91	-24.14	0.07		
	5,900.00	5,899.53	0.49	189.27	9.99	-24.31	0.1		
	6,000.00	5,999.52	0.41	178.16	9.21	-24.37	0.12		
	6,100.00	6,099.52	0.33	201.99	8.59	-24.47	0.17		
	6,200.00	6,199.52	0.33	219.28	8.1	-24.76	0.1		
	6,300.00	6,299.52	0.33	240.99	7.73	-25.19	0.12		
	6,400.00	6,399.51	0.47	299.94	7.8	-25.8	0.41		
	6,500.00	6,499.51	0.69	349.09	8.6	-26.27	0.52		
	6,600.00	6,599.50	1	16.54	10.02	-26.13	0.5		
	6,700.00	6,699.48	1.31	3.16	12	-25.82	0.41		
	6,800.00	6,799.44	1.95	17.91	14.76	-25.24	0.76		
	6,984.00	6,983.44	1.95	17.91	17.52	-24.66			
		0.56							