

# Downhole Schematic for GMR 8-12C1 (K8W)



Project : South Piceance

API # : 05045191540000

Surface Location : NESW Sec 8 T7S - R93W 6th PM

Area : Mamm Creek

County : GARFIELD

BHL : NWSW-8-7S-93 W 6th PM

As Of : 07/10/2011

GL : 7826.0 ft

KB to GL : 30.5 ft

KB : 7856.5 ft

Set @	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
60	Casing Details	26.000	16	42	60	60		A52A	Joint	
1259	Surface	12.250	9.625	36	1,259	2	LT&C	J55	Float Shoe	
			9.625	36	1,258	44	LT&C	J55	Casing	
				0	1,214	0			Insert	
			9.625	36	1,214	1,178	LT&C	J55	Casing	
			9.625	36	36	2	LT&C	J55	Pup	
			11	0	34	3			Well Head	
				0	31	31			Landing Joint	
	Production	8.750	4.5	11.6	9,888	1	Butt	8rd	FS	
			4.5	11.6	9,887	43	Butt	E-80	Csg	
			4.5	11.6	9,843	1	Butt	8rd	FC	
			4.5	11.6	9,842	1,200	Butt	E-80	Csg	
			4.5	11.6	8,642	19	Butt	E-80	Marker Joint	
			4.5	11.6	8,622	1,030	Butt	E80	Csg	
			4.5	11.6	7,592	20	Butt	E-80	Marker Joint	
			4.5	11.6	7,592	6,179	Butt	E-80	Csg	
			4.5	11.6	1,393	1,363	Butt	P110	Csg	
			4.5	11.6	31	31	Butt	P110	Landing Joint	
5005	Cement Details									
	Sequence			Top	Density	Blend / Additives				
	Lead			0	12.5	12.5 Surface Lead / G(D907)+2%D79+0.2%D46+0.3% D29				
	Tail			989	15.8	15.8 Class G / D907+1.25%S001+0.2%DO46+0.25ppsD29				
	Scavenger			5,005	8.3	CW-100 / 5.5 lb/bbl D182				
	Lead			5,651	12.0	TXI / 1.0% D079 + 0.85% D013 + 0.5% D046 + 0.25 lb/sx D029				
	Tail			7,922	13.0	TXI / 3.0% D020 + 0.2% D112 + 0.45% D013 + 0.5% D046 + 0.25 lb/sx D029				
	Conductor			0	0.0	40 yards redi mix /				
	Fill									
	Tubing and Downhole Equipment									
	O.D.	Length	Depth	Description						
	0.000	28.50	28.50	Adjusted KB						
	4.063	0.54	29.04	4 1/16" x 2 3/8" 10k hanger (WG)						
	2.594	0.67	29.71	2 3/8" N-80 Saver Sub						
	2.375	9,094.21	9,123.92	284 joints of 2 3/8" 4.7# EUE N-80						
	3.063	0.97	9,124.89	1.81 I.D. F-Nipple						
	2.375	32.85	9,157.74	1 joint of 2 3/8" 4.7# EUE N-80						
	3.063	0.91	9,158.65	Top of pump off bit sub						
	2.500	1.22	9,843.00	Bottom of pump off bit sub & bit						
	Perforations									
	Stage 1									
	Date	From	To	Shots						
	06/13/2011	9,700	9,701	3			8,964	8,965	3	
		9,680	9,681	3			8,930	8,931	3	
		9,660	9,661	3			8,900	8,901	3	
		9,640	9,641	3			8,870	8,871	3	
		9,610	9,611	3			8,848	8,849	3	
		9,588	9,589	3						
		9,578	9,579	3						
		9,564	9,564	3						
		9,536	9,536	3						
	Stage 2									
	Date	From	To	Shots						
	06/27/2011	9,506	9,507	3			8,798	8,799	3	
		9,500	9,501	3			8,788	8,789	3	
		9,494	9,495	3			8,750	8,751	3	
		9,462	9,463	3			8,732	8,733	3	
		9,446	9,447	3			8,706	8,707	3	
		9,426	9,427	3			8,642	8,643	3	
		9,420	9,421	3			8,594	8,595	3	
		9,388	9,389	3			8,570	8,571	3	
		9,374	9,375	3			8,550	8,551	3	
	Stage 3									
	Date	From	To	Shots						
	06/28/2011	9,342	9,343	3			8,732	8,733	3	
		9,330	9,331	3			8,706	8,707	3	
		9,320	9,321	3			8,642	8,643	3	
		9,304	9,305	3			8,594	8,595	3	
		9,282	9,283	3			8,570	8,571	3	
		9,236	9,237	3			8,550	8,551	3	
		9,192	9,193	3						
		9,152	9,153	3						
		9,130	9,131	3						
	Stage 4									
	Date	From	To	Shots						
	06/29/2011	9,088	9,089	3			8,482	8,483	3	
		9,058	9,059	3			8,446	8,447	3	
		9,032	9,033	3			8,382	8,383	3	
		9,002	9,003	3			8,360	8,361	3	
							8,344	8,345	3	
							8,316	8,317	3	
							8,298	8,299	3	
	Stage 5									
	Date	From	To	Shots						
	06/29/2011	8,798	8,798	3			8,260	8,261	3	
		8,788	8,788	3			8,248	8,249	3	
		8,750	8,750	3			8,234	8,235	3	
		8,732	8,732	3			8,206	8,207	3	
		8,706	8,706	3			8,184	8,185	3	
		8,642	8,642	3			8,158	8,159	3	
		8,594	8,594	3			8,126	8,127	3	
		8,570	8,570	3			8,100	8,101	3	
		8,550	8,550	3			8,078	8,079	3	
	Stage 6									
	Date	From	To	Shots						
	06/30/2011	8,508	8,508	3						
		8,494	8,494	3						
		8,482	8,482	3						
		8,446	8,446	3						
		8,382	8,382	3						
		8,360	8,360	3						
		8,344	8,344	3						
		8,316	8,316	3						
		8,298	8,298	3						
	Stage 7									
	Date	From	To	Shots						
	07/01/2011	8,260	8,260	3						
		8,248	8,248	3						
		8,234	8,234	3						
		8,206	8,206	3						
		8,184	8,184	3						
		8,158	8,158	3						
		8,126	8,126	3						
		8,100	8,100	3						
		8,078	8,078	3						
	Frac Summary									
	Stage 1 : 9,536 - 9,701, 27 - 0.340" shots, 2839 bbls of Slickwater, 36100 lbs of 20-40 Sand Report Date: 06/27/2011									
	Stage 2 : 9,374 - 9,507, 27 - 0.340" shots, 5021 bbls of Slickwater, 72100 lbs of 20-40 Sand Report Date: 06/27/2011									
	Stage 3 : 9,130 - 9,343, 27 - 0.340" shots, 9534 bbls of Slickwater, 135100 lbs of 20-40 Sand Report Date: 06/28/2011									
	Stage 4 : 8,848 - 9,089, 27 - 0.340" shots, 9066 bbls of Slickwater, 131000 lbs of 20-40 Sand Report Date: 06/29/2011									
	Stage 5 : 8,550 - 8,799, 27 - 0.340" shots, 7466 bbls of Slickwater, 108000 lbs of 20-40 Sand Report Date: 06/30/2011									
	Stage 6 : 8,298 - 8,509, 27 - 0.340" shots, 9915 bbls of Slickwater, 146000 lbs of 20-40 Sand Report Date: 06/30/2011									
	Stage 7 : 8,078 - 8,261, 27 - 0.340" shots, 11991 bbls of Slickwater, 170000 lbs of 20-40 Sand Report Date: 07/02/2011									
	Bridge Plug Details									
	Depth	Date Set	Plug Type	Sacks Cement						
	7,936.0	07/07/2011	CBP	0						
	CBP at 7,936.0 drilled out 07/08/2011									
	Comments									
	SIBP = 0 psi 7/10/2011									

Set @ 9888

-10000 ft

PBTD @ 9843  
TD @ 10084