

# Downhole Schematic for GMR 8-11A2 (K8W)



Project : South Piceance

API # : 05045191510000

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

Area : Mamm Creek

County : GARFIELD

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

As Of : 07/27/2011

GL : 7826.0 ft

KB to GL : 30.5 ft

KB : 7856.5 ft

Set @	Section	Hole Conductor	Casing	Mass	Set At	Length	Thread	Grade	Description	
Set @ 60		26.000	16	42	60	60		A52A	Joint	
Set @ 1260	Surface	12.250	9.625	36	1,260	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	1,187	LT&C	J55	Casing	
			9.625	36	27	2	LT&C	J55	Pup	
			11	0	25	3			Well Head	
				0	21	31			Landing Joint	
	Production	8.750	4.5	11.6	9,861	1	LT&C	8rd	FS	
			4.5	11.6	9,860	41	LT&C	E-80	Csg	
			4.5	11.6	9,819	1	LT&C	8rd	FC	
			4.5	11.6	9,817	1,152	LT&C	E-80	Csg	
			4.5	11.6	8,665	23	LT&C	E-80	Marker Joint	
			4.5	11.6	8,642	987	LT&C	E80	Csg	
			4.5	11.6	7,655	23	LT&C	E-80	Marker Joint	
			4.5	11.6	7,655	6,045	LT&C	E-80	Csg	
			4.5	11.6	1,588	1,552	LT&C	P110	Csg	
			4.5	11.6	36	4	LT&C	P110	Csg pup	
			0	32	2				LSH Mandrel Hanger	
			0	30	31				RKB - Wellhead	
	Cement Details									
	Section	Sequence	Top	Density	Blend / Additives					
	Surface	Lead	0	12.5	"G" / 2.0% D079 + 0.2% D046 + 0.25% D029					
		Tail	990	15.8	"G" / 1.25% S001 + 0.2% D046 + 0.25 lb/sx D029					
	Production	Scavenger	0	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	Fill	0	0.0	4 yards redi mix /					
	Tubing and Downhole Equipment									
	O.D.	Length	Depth	Description						
	0.000	28.50	28.50	Below 30.5' KB						
	4.063	0.87	29.37	4 1/16" x 2 3/8" 10k WG hanger						
	2.594	0.67	30.04	2 3/8" N-80 Saver Sub						
	2.375	9,008.37	9,038.41	280 jts 2 3/8" 4.7# EUE L-80 tbg						
	3.063	0.97	9,039.38	1.81" I.D. "F" profile nipple						
	2.375	31.62	9,071.00	1jt 2 3/8" 4.7# EUE L-80 tbg						
	3.063	0.97	9,071.97	Top of POBS						
	3.750	1.22	9,819.00	Bottom of POBS and bit						
	Perforations									
	Stage 1									
	Date	From	To	Shots						
	06/13/2011	9,654	9,655	3	8,846	8,847	3			
		9,606	9,607	3	8,830	8,831	3			
		9,550	9,551	3	8,784	8,785	3			
		9,482	9,483	3	8,760	8,761	3			
		9,460	9,461	3	8,744	8,745	3			
		9,442	9,443	3						
		9,408	9,409	3						
		9,400	9,401	3						
		9,390	9,391	3						
	Stage 2									
	Date	From	To	Shots						
	06/16/2011	9,344	9,345	3	8,572	8,573	3			
		9,336	9,337	3	8,540	8,541	3			
		9,328	9,329	3	8,520	8,521	3			
		9,308	9,309	3	8,498	8,499	3			
		9,276	9,277	3	8,474	8,475	3			
		9,256	9,257	3						
		9,218	9,219	3						
		9,198	9,199	3						
		9,180	9,181	3						
	Stage 3									
	Date	From	To	Shots						
	06/18/2011	9,136	9,137	3	8,428	8,429	3			
		9,130	9,131	3	8,398	8,399	3			
		9,114	9,115	3	8,382	8,383	3			
		9,082	9,083	3	8,334	8,335	3			
		9,062	9,063	3	8,298	8,299	3			
		9,022	9,023	3	8,274	8,275	3			
		8,994	8,995	3	8,240	8,241	3			
		8,980	8,981	3	8,174	8,175	3			
		8,968	8,969	3	8,154	8,155	3			
	Stage 4									
	Date	From	To	Shots						
	06/21/2011	8,932	8,933	3	8,118	8,119	3			
		8,920	8,921	3	8,108	8,109	3			
		8,906	8,907	3	8,102	8,103	3			
		8,890	8,891	3	8,090	8,091	3			
					8,064	8,065	3			
					8,012	8,013	3			
					7,982	7,983	3			
					7,930	7,931	3			
					7,910	7,911	3			
	Frac Summary									
	Stage 1 : 9,390 - 9,655, 27 - 0.340" shots, 10794 bbls of Slickwater, 76000 lbs of 20-40 Sand Report Date: 06/16/2011									
	Stage 2 : 9,180 - 9,345, 12350 bbls of Slickwater, 83000 lbs of 20-40 Sand Report Date: 06/18/2011									
	Stage 3 : 8,968 - 9,137, 13598 bbls of Slickwater, 95000 lbs of 20-40 Sand Report Date: 06/21/2011									
	Stage 4 : 8,744 - 8,933, 12416 bbls of Slickwater, 87000 lbs of 20-40 Sand Report Date: 06/22/2011									
	Stage 5 : 8,474 - 8,701, 15624 bbls of Slickwater, 109000 lbs of 20-40 Sand Report Date: 06/23/2011									
	Stage 6 : 8,154 - 8,429, 25408 bbls of Slickwater, 175000 lbs of 20-40 Sand Report Date: 06/24/2011									
	Stage 7 : 7,910 - 8,119, 24270 bbls of Slickwater, 173100 lbs of 20-40 Sand Report Date: 06/25/2011									
	Bridge Plug Details									
	Depth	Date Set	Plug Type	Sacks Cement						
	5,251.0	07/23/2011	CBP	0						
	5,214.0	07/24/2011	CBP	0						
	CBP at 5,251.0 drilled out 07/24/2011									
	CBP at 5,214.0 drilled out 07/24/2011									
	Comments									
	SIBP 0 psi 7/27/2011									

Set @ 9861 PBDT @ 9819 TD @ 9877