

Downhole Schematic for GMR 8-6A2 (K8W)



Project :South Piceance

API # :05045191430000

Surface Location :

Area : Mamm Creek

County :GARFIELD

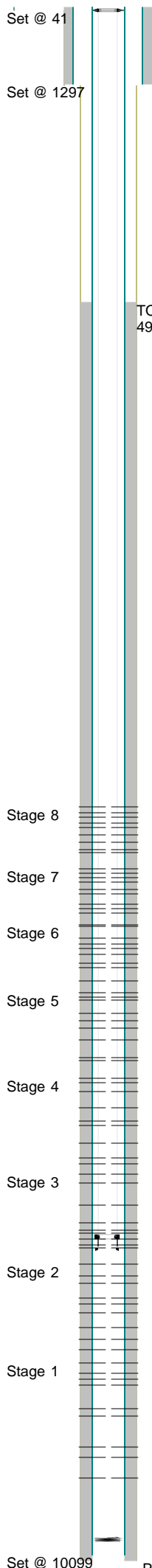
BHL :

As Of : 12/02/2010

GL : ft

KB to GL : 22.0 ft

KB : ft



Casing Details										
	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
-500 ft	Conductor	26.000	26.	0	41	41			Joint	
-1000 ft	Surface	12.250		0	1,297	2	LT&C		Shoe	
			9.625	36	1,296	1,268	LT&C	J-55	Csng.	
-1500 ft			9.625	36	28	5	ST&C	J-55	Mandrel	
			9.625	36	23	26		J-55	Landing Joint	
-2000 ft	Production	7.880	4.5	11.6	10,099	2	LT&C	N-80	Float Shoe	
-2500 ft			4.5	11.6	10,098	43	LT&C	N-80	Casing	
			4.5	11.6	10,055	2	LT&C	N-80	Float Collar	
			4.5	11.6	10,053	1,226	LT&C	N-80	Casing	
-3000 ft			4.5	11.6	8,827	23	LT&C	N-80	Marker Jt.	
			4.5	11.6	8,804	973	LT&C	N-80	Casing	
-3500 ft			4.5	11.6	7,831	23	LT&C	N-80	Marker Jt.	
			4.5	11.6	7,809	5,190	LT&C	N-80	Casing	
-4000 ft			4.5	11.6	2,619	2,591	LT&C	P-110	Casing	
-4500 ft			4.5	11.6	28	4	LT&C	P-110	Mandrel	
					24	26	LT&C	P-110	Landing Joint	
Cement Details										
-5000 ft	Section	Sequence		Top	Density	Blend / Additives				
-5500 ft	Conductor	Fill		0	0.0	40 Yards Redi Mix /				
	Surface	Lead		0	12.5	G / G+2%D79+.2%D46+.25ppsD29				
		Tail		743	15.8	G / D907+1.25%S001+.2%D046+.25pps D29				
-6000 ft	Production	Scavenger		0	0.0	Mud Push II / 26bbl Water + 160 Lb D182 + 6400 Lb D031				
		Lead		4,970	12.0	TXI LS / D049 + 1%D79 + 0.95%D13 + 0.5%D46 + 0.25D029				
-6500 ft		Tail		8,171	13.0	TXI HMS / D049 + 3%D020 + 0.2%D112 + 0.5%D013 + 0.5%D046 + 0.25pps D029				
-7000 ft	Tubing and Downhole Equipment									
	O.D.	Length	Depth	Description						
	0.000	20.00	20.00	22" KB, -2.00 correction						
	3.990	0.87	20.87	4 1/16 10K hanger, Wood Group						
	2.594	0.68	21.55	2 3/8 N80 saver sub						
	2.375	9,201.87	9,223.42	290 jts 2 3/8 L80 4.7# Eue Tbg						
	3.063	0.97	9,224.39	1.81 F-Nipple						
	2.375	32.88	9,257.27	1 jt 2 3/8 L80 4.7# Eue Tbg						
	3.063	0.92	9,258.19	Top 1/2 pump off bit sub						
	3.250	1.22	10,053.00	Btm 1/2 POBS & 3 3/4" Mill						
Perforations										
-7500 ft	Stage 1	Date	From	To	Shots	Stage 5	Date	From	To	Shots
		10/08/2010	9,890	9,891	3		10/21/2010	8,744	8,745	3
			9,830	9,831	3			8,738	8,739	3
			9,804	9,805	3			8,690	8,691	3
			9,720	9,721	3			8,656	8,657	3
			9,700	9,701	3			8,638	8,639	3
			9,634	9,635	3			8,616	8,617	3
			9,618	9,619	3			8,580	8,581	3
			9,602	9,603	3			8,572	8,573	3
			9,572	9,573	3			8,560	8,561	3
	Stage 2	Date	From	To	Shots	Stage 6	Date	From	To	Shots
		10/11/2010	9,536	9,537	3		10/26/2010	8,528	8,529	3
			9,508	9,509	3			8,492	8,493	3
-8000 ft			9,478	9,479	3			8,480	8,481	3
			9,434	9,435	3			8,454	8,455	3
			9,412	9,413	3			8,438	8,439	3
			9,394	9,395	3			8,426	8,427	3
			9,356	9,357	3			8,410	8,411	3
			9,336	9,337	3			8,378	8,379	3
			9,304	9,305	3			8,372	8,373	3
	Stage 3	Date	From	To	Shots	Stage 7	Date	From	To	Shots
		10/16/2010	9,258	9,259	3		10/26/2010	8,340	8,341	3
			9,248	9,249	3			8,328	8,329	3
			9,232	9,233	3			8,316	8,317	3
			9,218	9,219	3			8,288	8,289	3
-8500 ft			9,208	9,209	3			8,278	8,279	3
			9,190	9,191	3			8,256	8,257	3
			9,140	9,141	3			8,244	8,245	3
			9,080	9,081	3			8,232	8,233	3
			9,056	9,057	3			8,218	8,219	3
	Stage 4	Date	From	To	Shots	Stage 8	Date	From	To	Shots
		10/18/2010	9,026	9,027	3		10/29/2010	8,174	8,175	3
			9,010	9,011	3			8,168	8,169	3
			8,970	8,971	3			8,146	8,147	3
			8,924	8,925	3			8,126	8,127	3
			8,910	8,911	3			8,108	8,109	3
			8,874	8,875	3			8,094	8,095	3
			8,830	8,831	3			8,080	8,081	3
-9000 ft			8,804	8,805	3			8,068	8,069	3
			8,794	8,795	3			8,050	8,051	3
Frac Summary										
	Stage 1 : 9,572 - 9,891, 27 - 0.340" shots, 3594 bbls of Slickwater, 45300 lbs of 20-40 Sand Report Date: 10/11/2010									
	Stage 2 : 9,304 - 9,537, 27 - 0.340" shots, 6740 bbls of Slickwater, 92700 lbs of 20-40 Sand Report Date: 10/16/2010									
	Stage 3 : 9,056 - 9,259, 27 - 0.340" shots, 8638 bbls of Slickwater, 118000 lbs of 20-40 Sand Report Date: 10/18/2010									
	Stage 4 : 8,794 - 9,027, 27 - 0.340" shots, 7324 bbls of Slickwater, 100400 lbs of 20-40 Sand Report Date: 10/21/2010									
-9500 ft	Stage 5 : 8,560 - 8,745, 27 - 0.340" shots, 6111 bbls of Slickwater, 83900 lbs of 20-40 Sand Report Date: 10/26/2010									
	Stage 6 : 8,372 - 8,529, 27 - 0.340" shots, 8209 bbls of Slickwater, 114600 lbs of 20-40 Sand Report Date: 10/26/2010									
	Stage 7 : 8,218 - 8,341, 27 - 0.340" shots, 8736 bbls of Slickwater, 122300 lbs of 20-40 Sand Report Date: 10/29/2010									
	Stage 8 : 8,050 - 8,175, 27 - 0.340" shots, 13044 bbls of Slickwater, 184900 lbs of 20-40 Sand Report Date: 10/30/2010									
Comments										
	12/02/2010 SIBHP 0.									