

Downhole Schematic for GMR 8-6D (K8W)



Project :South Piceance

API # :05045191500000

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

Area : Mamm Creek

County :GARFIELD

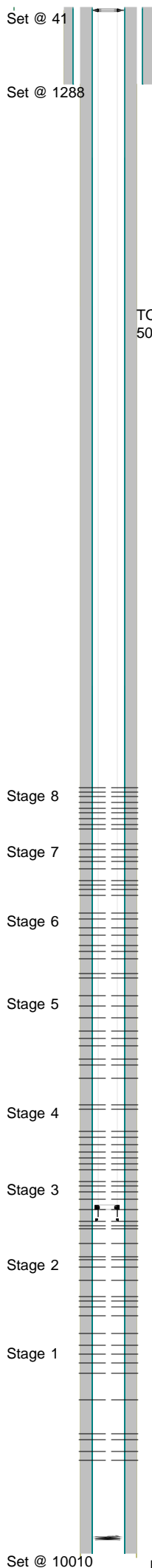
BHL : SENW-8-7S-93 W 6th PM

As Of : 11/20/2010

GL: 7826.0 ft

KB to GL : 22.0 ft

KB : 7848.0 ft



	Casing Details								
-500 ft	Section Conductor	Hole 26.000	Casing 26.	Mass 0	Set At 41	Length 41	Thread	Grade	Description Joint
-1000 ft	Surface	12.250		0	1,288	2	LT&C		Shoe
			9.625	36	1,287	1,255	LT&C	J-55	Csng.
-1500 ft			9.625	36	32	5	ST&C	J-55	Mandrel
					26	26		J-55	Landing Joint
-2000 ft	Production	7.880	4.5	11.6	10,010	2	LT&C	N-80	Float Shoe
-2500 ft			4.5	11.6	10,009	41	LT&C	N-80	Casing
			4.5	11.6	9,967	2	LT&C	N-80	Float Collar
			4.5	11.6	9,966	1,234	LT&C	N-80	Casing
-3000 ft			4.5	11.6	8,732	23	LT&C	N-80	Marker Jt.
			4.5	11.6	8,710	987	LT&C	N-80	Casing
-3500 ft			4.5	11.6	7,723	23	LT&C	N-80	Marker Jt.
			4.5	11.6	7,700	5,167	LT&C	N-80	Casing
-4000 ft			4.5	11.6	2,534	2,507	LT&C	P-110	Casing
			4.5	11.6	27	4	LT&C	P-110	Mandral
-4500 ft			4.5	11.6	23	26	LT&C	P-110	Landing Joint
-5000 ft	Cement Details								
	Section	Sequence		Top	Density	Blend / Additives			
-5500 ft	Surface	Lead		0	12.5	G / G+2%D79+.2%D46+.25ppsD29			
		Tail		1,002	15.8	/ D907+1.25%S001+.2%D046+.25pps D29			
-6000 ft	Conductor	Fill		0	0.0	4 yards redi mix /			
	Production	Scavenger		0	11.0	Mud Push II / 26bbl Water + 160 Lb D182 + 6400 Lb D031			
-6500 ft		Lead		5,050	12.2	TXI LS / CORRECT+12.5% D178+7%D044+2% D079 +0.5% D201+0.8%D013+0.2%D065+0.2%D046+0.25pps D029			
-7000 ft		Tail		7,893	13.0	TXI HMS / D049 + 3.0%D020 + 0.2%D112 + 0.5%D013+ 0.5%D046 + 0.25lb/skD029			
	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	9,062.75	9,084.30	276 jt 2-3/8" L80 4.7# EUE tbg					
	3.063	0.97	9,085.27	1.81 F-Nipple					
	2.375	32.90	9,118.12	1 jt 2 3/8 L80 4.7# Eue Tbg					
	3.063	0.92	9,119.04	Top 1/2 pump off bit sub					
	3.250	1.21	9,966.00	Btm 1/2 POBS & 3 3/4" Mill					
	Perforations								
-7500 ft	Stage 1					Stage 5			
	Date	From	To	Shots	Date	From	To	Shots	
	10/11/2010	9,764	9,765	3	10/19/2010	8,744	8,745	3	
		9,740	9,741	3		8,710	8,711	3	
		9,710	9,711	3		8,696	8,697	3	
		9,692	9,693	3		8,658	8,659	3	
		9,602	9,603	3		8,638	8,639	3	
		9,532	9,533	3		8,620	8,621	3	
		9,506	9,507	3		8,586	8,587	3	
		9,480	9,481	3		8,554	8,555	3	
		9,456	9,457	3		8,524	8,525	3	
	Stage 2				Stage 6				
	Date	From	To	Shots	Date	From	To	Shots	
-8000 ft	10/12/2010	9,424	9,425	3	10/19/2010	8,478	8,479	3	
		9,378	9,379	3		8,466	8,467	3	
		9,354	9,355	3		8,428	8,429	3	
		9,338	9,339	3		8,406	8,407	3	
		9,328	9,329	3		8,390	8,391	3	
		9,284	9,285	3		8,366	8,367	3	
		9,248	9,249	3		8,344	8,345	3	
		9,230	9,231	3		8,320	8,321	3	
		9,222	9,223	3		8,306	8,307	3	
	Stage 3				Stage 7				
	Date	From	To	Shots	Date	From	To	Shots	
-8500 ft	10/14/2010	9,186	9,187	3	10/22/2010	8,258	8,259	3	
		9,148	9,149	3		8,244	8,245	3	
		9,138	9,139	3		8,232	8,233	3	
		9,126	9,127	3		8,220	8,221	3	
		9,094	9,095	3		8,186	8,187	3	
		9,068	9,069	3		8,166	8,167	3	
		9,050	9,051	3		8,154	8,155	3	
		9,032	9,033	3		8,138	8,139	3	
		9,022	9,023	3		8,120	8,121	3	
	Stage 4				Stage 8				
	Date	From	To	Shots	Date	From	To	Shots	
-9000 ft	10/15/2010	8,990	8,991	3	10/25/2010	8,080	8,081	3	
		8,972	8,973	3		8,068	8,069	3	
		8,958	8,959	3		8,054	8,055	3	
		8,942	8,943	3		8,038	8,039	3	
		8,922	8,923	3		8,026	8,027	3	
		8,904	8,905	3		8,012	8,013	3	
		8,888	8,889	3		7,996	7,997	3	
		8,828	8,829	3		7,984	7,985	3	
		8,816	8,817	3		7,970	7,971	3	
	Frac Summary								
	Stage 1 : 9,456 - 9,765, 27 - 0.340" shots, 14499 bbls of Slickwater, 104500 lbs of 20-40 Sand Report Date: 10/12/2010								
	Stage 2 : 9,222 - 9,425, 27 - 0.340" shots, 13368 bbls of Slickwater, 93400 lbs of 20-40 Sand Report Date: 10/14/2010								
	Stage 3 : 9,022 - 9,187, 27 - 0.340" shots, 11517 bbls of Slickwater, 80500 lbs of 20-40 Sand Report Date: 10/15/2010								
	Stage 4 : 8,816 - 8,991, 27 - 0.340" shots, 17431 bbls of Slickwater, 120000 lbs of 20-40 Sand Report Date: 10/19/2010								
	Stage 5 : 8,524 - 8,745, 27 - 0.340" shots, 15014 bbls of Slickwater, 104500 lbs of 20-40 Sand Report Date: 10/20/2010								
-9500 ft	Stage 6 : 8,306 - 8,479, 27 - 0.340" shots, 17069 bbls of Slickwater, 121000 lbs of 20-40 Sand Report Date: 10/22/2010								
	Stage 7 : 8,120 - 8,259, 27 - 0.340" shots, 17647 bbls of Slickwater, 124300 lbs of 30-50 Sand Report Date: 10/25/2010								
	Stage 8 : 7,970 - 8,081, 27 - 0.340" shots, 13251 bbls of Slickwater, 94600 lbs of 20-40 Sand Report Date: 10/29/2010								
	Comments								
	SIBP- 2 psi on 11-20-10								