

Downhole Schematic for GMR 8-5B1 (K8W)



Project :South Piceance

API # :05045191450000

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

Area : Mamm Creek

County :GARFIELD

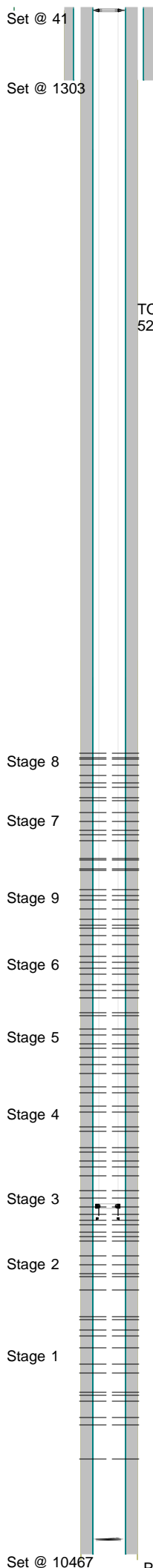
BHL : SWNW-8-7S-93 W 6th PM

As Of : 11/17/2010

GL: 7826.0 ft

KB to GL : 22.0 ft

KB: 7848.0 ft



	Casing Details								
-500 ft	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
	Conductor	26.000	26.	0	41	41			Joint
-1000 ft	Surface	12.250		0	1,303	2	LT&C		Shoe
-1500 ft			9.625	36	1,302	1,271	LT&C	J-55	Csng.
-2000 ft			9.625	36	31	5	ST&C	J-55	Mandrel
			9.625	36	26	26		J-55	Landing Joint
-2500 ft	Production	7.880	4.5	11.6	10,467	2	LT&C	N-80	Float Shoe
-3000 ft			4.5	11.6	10,466	43	LT&C	N-80	Casing
-3500 ft			4.5	11.6	10,423	2	LT&C	N-80	Float Collar
-4000 ft			4.5	11.6	10,421	1,234	LT&C	N-80	Casing
-4500 ft			4.5	11.6	9,187	23	LT&C	N-80	Marker Jt.
-5000 ft			4.5	11.6	9,165	980	LT&C	N-80	Casing
-5500 ft			4.5	11.6	8,185	23	LT&C	N-80	Marker Jt.
-6000 ft			4.5	11.6	8,162	5,621	LT&C	N-80	Casing
-6500 ft			4.5	11.6	2,542	2,514	LT&C	P-110	Casing
-7000 ft			4.5	11.6	27	4	LT&C	P-110	Mandrel
-7500 ft			4.5	11.6	23	26	LT&C	P-110	Landing Joint
	Cement Details								
-5500 ft	Section	Sequence		Top	Density	Blend / Additives			
-6000 ft	Conductor	Fill		0	0.0	40 yards redi-mix /			
-6500 ft	Surface	Lead		0	12.5	G / G+2%D79+.2%D46+.25ppsD29			
-7000 ft		Tail		958	15.8	G / D907+1.25%S001+.2%D046+.25pps D29			
-7500 ft	Production	Scavenger		0	11.0	Mud Push II / 26bbl Water + 160 Lb D182 + 6400 Lb D031			
-8000 ft		Lead		5,260	12.0	TXI LS / D049 + 1%D79 + 0.95%D13 + 0.5%D46 + 0.25D029			
-8500 ft		Tail		8,209	13.0	TXI HMS / D049 + 3%D020 + 0.2%D112 + 0.5%D013 + 0.5%D046 + 0.25pps D029			
	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	9,524.62	9,546.17	292 jts 2 3/8 L80 4.7# Eue Tbg					
	3.063	0.97	9,547.14	1.81 F-Nipple					
	2.375	32.90	9,580.04	1 jt 2 3/8 L80 4.7# Eue Tbg					
	3.063	0.92	9,580.96	Top 1/2 pump off bit sub					
	3.250	1.21	10,422.00	Btm 1/2 POBS & 3 3/4" Mill					
	Perforations								
	Stage 1								
-8000 ft	Date	From	To	Shots				9,160	9,161
	10/08/2010	10,214	10,215	3				9,138	9,139
		10,126	10,127	3				9,124	9,125
		10,108	10,109	3				9,100	9,101
		10,062	10,063	3				9,084	9,085
		10,048	10,049	3	Stage 6	Date	From	To	Shots
		10,040	10,041	3		10/28/2010	9,052	9,053	3
		9,990	9,991	3			9,044	9,045	3
		9,968	9,969	3			9,006	9,007	3
		9,924	9,925	3			8,984	8,985	3
	Stage 2							8,970	8,971
-8500 ft	Date	From	To	Shots				8,940	8,941
	10/13/2010	9,894	9,895	3				8,926	8,927
		9,878	9,879	3				8,910	8,911
		9,850	9,851	3				8,896	8,897
		9,840	9,841	3	Stage 7	Date	From	To	Shots
		9,772	9,773	3		10/30/2010	8,670	8,671	3
		9,738	9,739	3			8,664	8,665	3
		9,728	9,729	3			8,642	8,643	3
		9,704	9,705	3			8,636	8,637	3
		9,684	9,685	3			8,592	8,593	3
	Stage 3							8,576	8,577
-9000 ft	Date	From	To	Shots				8,562	8,563
	10/19/2010	9,642	9,643	3				8,540	8,541
		9,630	9,631	3				8,518	8,519
		9,618	9,619	3					
		9,602	9,603	3	Stage 8	Date	From	To	Shots
		9,588	9,589	3		11/02/2010	8,486	8,487	3
		9,574	9,575	3			8,478	8,479	3
		9,552	9,553	3			8,450	8,451	3
		9,530	9,531	3			8,440	8,441	3
		9,510	9,511	3			8,418	8,419	3
	Stage 4							8,392	8,393
-9500 ft	Date	From	To	Shots				8,378	8,379
	10/19/2010	9,470	9,471	3				8,372	8,373
		9,450	9,451	3				8,362	8,363
		9,432	9,433	3	Stage 9	Date	From	To	Shots
		9,410	9,411	3		10/28/2010	8,864	8,865	3
		9,396	9,397	3			8,840	8,841	3
		9,354	9,355	3			8,820	8,821	3
		9,342	9,343	3			8,812	8,813	3
		9,304	9,305	3			8,798	8,799	3
		9,290	9,291	3			8,772	8,773	3
-10000 ft	Stage 5							8,748	8,749
	Date	From	To	Shots				8,734	8,735
	10/23/2010	9,252	9,253	3				8,720	8,721
		9,238	9,239	3					
		9,202	9,203	3					
		9,178	9,179	3					
	Frac Summary								
	Stage 1 : 9,924 - 10,215, 27 - 0.340" shots, 4088 bbls of Slickwater, 54000 lbs of 20-40 Sand Report Date: 10/12/2010								
	Stage 2 : 9,684 - 9,895, 27 - 0.340" shots, 9878 bbls of Slickwater, 136000 lbs of 20-40 Sand Report Date: 10/19/2010								
	Stage 3 : 9,510 - 9,643, 27 - 0.340" shots, 5148 bbls of Slickwater, 69400 lbs of 20-40 Sand Report Date: 10/19/2010								
-10000 ft	Stage 4 : 9,290 - 9,471, 27 - 0.340" shots, 9213 bbls of Slickwater, 128100 lbs of 20-40 Sand Report Date: 10/23/2010								
	Stage 5 : 9,084 - 9,253, 27 - 0.340" shots, 7418 bbls of Slickwater, 103600 lbs of 20-40 Sand Report Date: 10/28/2010								
	Stage 6 : 8,896 - 9,053, 27 - 0.340" shots, 6796 bbls of Slickwater, 95800 lbs of 20-40 Sand Report Date: 10/28/2010								
	Stage 9 : 8,720 - 8,865, 27 - 0.340" shots, 6599 bbls of Slickwater, 85900 lbs of 20-40 Sand Report Date: 10/30/2010								
	Stage 7 : 8,518 - 8,671, 27 - 0.340" shots, 8784 bbls of Slickwater, 123300 lbs of 20-40 Sand Report Date: 11/02/2010								
	Stage 8 : 8,362 - 8,487, 27 - 0.340" shots, 8128 bbls of Slickwater, 117900 lbs of 20-40 Sand Report Date: 11/03/2010								
	Comments								
	SIBP- 0 on 11-17-10								

PBTD @ 10423
TD @ 10482