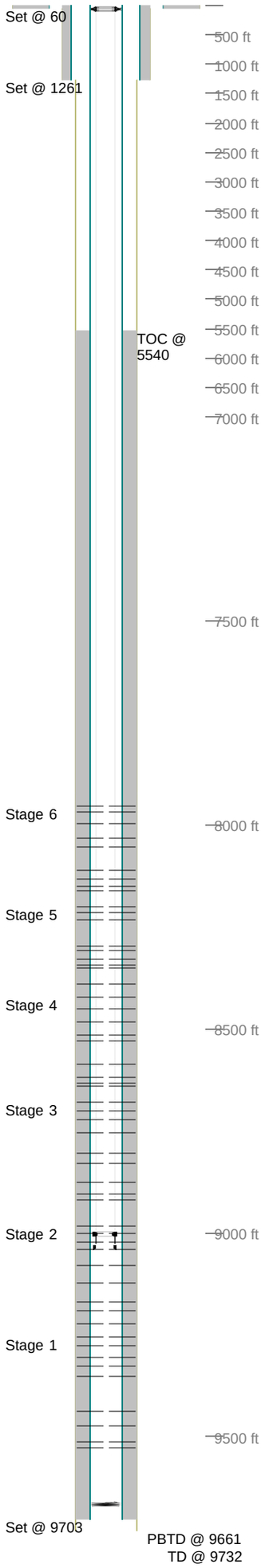
Downhole Schematic for GMR 8-11A1 (K8W)

Project : South Piceance | API # : 05045191520000 | Surface Location :

Area : Mamm Creek | County : GARFIELD | BHL :

As Of : 07/23/2011 | GL : ft | KB to GL : 30.5 ft | KB : ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42	60	60		A52A	Joint
Surface	12.250	9.625	36	1,261	2	LT&C	J55	Float Shoe
		9.625	36	1,259	44	LT&C	J55	Casing
			0	1,215	0			Insert
		9.625	36	1,215	1,187	LT&C	J55	Casing
		9.625	36	28	2	LT&C	J55	Pup
		11	0	26	3			Well Head
			0	22	31			Landing Joint
Production	8.750	4.5	11.6	9,703	1	LT&C	8rd	FLOAT SHOE
		4.5	11.6	9,702	41	LT&C	E-80	CASING
		4.5	11.6	9,661	1	LT&C		FLOAT COLLAR
		4.5	11.6	9,659	988	LT&C	E-80	CASING
		4.5	11.6	8,671	23	LT&C	E-80	MARKER JT
		4.5	11.6	8,649	988	LT&C	E80	CASING
		4.5	11.6	7,661	23	LT&C	E-80	MARKER
		4.5	11.6	7,661	6,091	LT&C	E-80	CASING
		4.5	11.6	1,547	1,511	LT&C	P110	CASING
		4.5	11.6	36	3	LT&C	P110	CSG PUP
		4.5	0	33	1			MANDRIL
			0	32	31			RKB - Wellhead

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	12.5	12.5 Surface Lead / G(D907)+2%D79+0.2%D46-D29
	Tail	1,000	15.8	15.8 ppg Tail G-cmt / S001;1.25%, D045; 0.2%, D029; 0.25 lb/sx
Production	Scavenger	5,540	11.0	Mud Push II / 5.5 lb/bbl D182
	Lead	5,736	12.0	TXI / 1.0% D079 + 0.85% D013 + 0.5% D046 + 0.25 lb/sx D029
	Tail	7,921	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	40 yards redi mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	28.50	28.50	Landed below 30.50' 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	8,969.34	8,999.38	279 jts 2 3/8" 4.7# EUE L-80 tbg
3.063	0.97	9,000.35	1.81 I.D. "F" profile nipple
2.375	31.60	9,031.95	1 jt 2 3/8" 4.7# EUE L-80 tbg
3.063	0.97	9,032.92	1/2 of pump off bit sub
3.750	1.22	9,661.00	1/2 POBS and 3 3/4" bit

Perforations

Stage	Date	From	To	Shots
1	06/13/2011	9,528	9,529	3
		9,514	9,515	3
		9,474	9,475	3
		9,438	9,439	3
		9,352	9,353	3
		9,328	9,329	3
		9,306	9,307	3
		9,276	9,277	3
		9,256	9,257	3
2	06/17/2011	9,224	9,225	3
		9,192	9,193	3
		9,170	9,171	3
		9,122	9,123	3
		9,080	9,081	3
		9,042	9,043	3
		9,024	9,025	3
		9,002	9,003	3
		8,984	8,985	3
3	06/17/2011	8,920	8,921	3
		8,906	8,910	3
		8,878	8,879	3
		8,830	8,831	3
		8,804	8,805	3
		8,754	8,755	3
		8,722	8,723	3
		8,702	8,703	3
		8,680	8,681	3
4	06/18/2011	8,640	8,641	3
		8,634	8,635	3
		8,618	8,619	3
		8,588	8,589	3
		8,530	8,531	3
		8,516	8,517	3
		8,484	8,485	3
		8,452	8,453	3
		8,422	8,423	3
5	06/20/2011	8,390	8,391	3
		8,352	8,353	3
		8,344	8,345	3
		8,328	8,329	3
		8,310	8,311	3
		8,296	8,297	3
		8,234	8,235	3
		8,216	8,217	3
		8,202	8,203	3
6	06/22/2011	8,162	8,163	3
		8,150	8,151	3
		8,134	8,135	3
		8,110	8,111	3
		8,056	8,057	3
		8,034	8,035	3
		7,998	7,999	3
		7,970	7,971	3
		7,956	7,957	3

Frac Summary

Stage 1 : 9,256 - 9,529, 8248 bbls of Slickwater, 117000 lbs of 20-40 Sand Report Date: 06/16/2011
Stage 2 : 8,984 - 9,225, 8141 bbls of Slickwater, 110000 lbs of 20-40 Sand Report Date: 06/17/2011
Stage 3 : 8,680 - 8,921, 8396 bbls of Slickwater, 115000 lbs of 20-40 Sand Report Date: 06/18/2011
Stage 4 : 8,422 - 8,641, 7863 bbls of Slickwater, 110100 lbs of 20-40 Sand Report Date: 06/20/2011
Stage 5 : 8,202 - 8,391, 9698 bbls of Slickwater, 135000 lbs of 20-40 Sand Report Date: 06/22/2011
Stage 6 : 7,956 - 8,163, 27 - 0.340" shots, 11604 bbls of Slickwater, 162300 lbs of 20-40 Sand Report Date: 06/22/2011

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
7,849.0	07/20/2011	CBP	0

CBP at 7,849.0 drilled out 07/21/2011

Comments

SIBP 100 psi 7/20/2011
SIBP 105 psi 7/23/2011