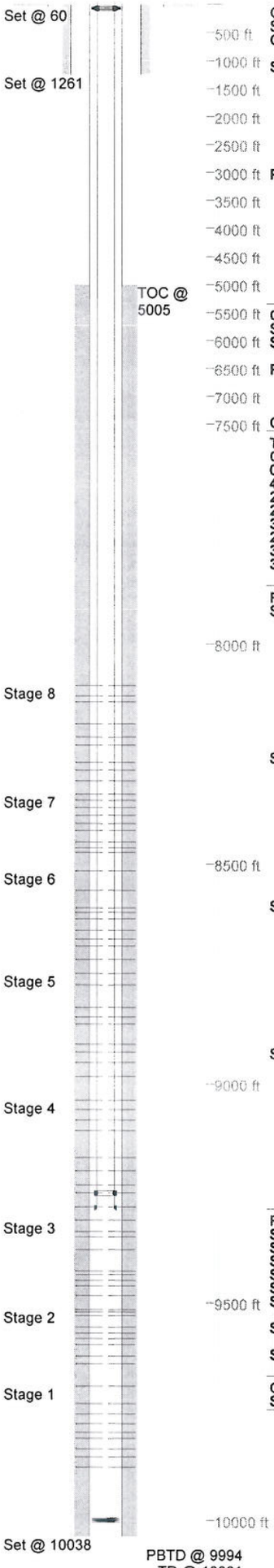
Downhole Schematic for GMR 8-5C1 (K8W)

ENCANA

Project : South Piceance | API # : 05045191490000 | Surface Location : NESW Sec 8 T7S - R93W 6th PM

Area : Mamm Creek | County : GARFIELD | BHL : SWNW-8-7S-93 W 6th PM

As Of : 07/20/2011 | GL : 7826.0 ft | KB to GL : 30.5 ft | KB : 7856.5 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	1,260	44	LT&C	J55	Casing
			0	1,215	0			Insert
		9.625	36	1,215	1,179	LT&C	J55	Casing
		9.625	36	36	2	LT&C	J55	Pup
		11	0	33	3			Well Head
			0	30	31			Landing Joint
Production	8.750	4.5	11.6	10,038	1	LT&C	8 rnd	Float Shoe
		4.5	11.6	10,037	41	LT&C	E-80	Casing
		4.5	11.6	9,996	1	LT&C		Float Collar
		4.5	11.6	9,994	1,440	LT&C	E-80	Casing
		4.5	11.6	8,554	23	LT&C	E-80	Marker Jnt
		4.5	11.6	8,531	864	LT&C	E-80	Casing
		4.5	11.6	7,666	23	LT&C	E-80	Marker Jnt
		4.5	11.6	7,644	5,717	LT&C	E-80	Casing
		4.5	11.6	1,927	1,933	LT&C	E-80	Casing

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	12.5	12.5 ppg G-cmt / D079; 2%, D046; 0.2%, D029; 0.25 LB/SX
	Tail	1,000	15.8	15.8 ppg Tail G-cmt / S001; 1.25%, D046; 0.2%, D029; 0.25 lb/sx
Production	Scavenger	5,005	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	Below 30.5" KB
4.063	0.84	29.34	4 1/16" x 2 3/8" 10k WG hanger
2.594	0.67	30.01	2 3/8" N-80 Saver Sub
2.375	9,214.98	9,244.99	288 joints 2 3/8" 4.7# EUE L-80
3.063	0.97	9,245.96	1.81" I.D. "F" profile nipple
2.375	32.84	9,278.80	1 joint 2 3/8" 4.7# EUE L-80
3.063	0.97	9,279.77	Top half of a Weatherford Bit sub
3.750	1.22	9,994.00	Bottom half of Bit sub

Perforations

Stage	Date	From	To	Shots
1	06/13/2011	9,878	9,879	3
		9,854	9,855	3
		9,836	9,837	3
		9,812	9,813	3
		9,798	9,799	3
		9,778	9,779	3
		9,756	9,757	3
		9,732	9,732	3
		9,692	9,693	3
2	06/16/2011	9,640	9,641	3
		9,622	9,623	3
		9,596	9,597	3
		9,582	9,583	3
		9,570	9,571	3
		9,556	9,557	3
		9,530	9,531	3
		9,522	9,523	3
		9,516	9,517	3
3	06/17/2011	9,484	9,485	3
		9,462	9,463	3
		9,450	9,451	3
		9,436	9,437	3
		9,428	9,429	3
		9,380	9,381	3
		9,350	9,351	3
		9,338	9,339	3
		9,312	9,313	3
4	06/20/2011	9,282	9,283	3
		9,250	9,251	3
		9,232	9,233	3
		9,200	9,201	3
		9,170	9,171	3
		9,108	9,109	3
		9,084	9,085	3
		9,060	9,061	3
		9,038	9,039	3
5	06/22/2011	8,984	8,985	3
		8,952	8,953	3
		8,928	8,929	3
		8,910	8,911	3
		8,864	8,865	3
		8,848	8,849	3
		8,826	8,827	3
		8,774	8,775	3
		8,748	8,749	3
6	06/23/2011	8,716	8,717	3
		8,686	8,687	3
		8,670	8,671	3
		8,650	8,651	3
		8,624	8,625	3
		8,610	8,611	3
		8,600	8,601	3
		8,560	8,561	3
		8,516	8,517	3
7	06/24/2011	8,474	8,475	3
		8,464	8,465	3
		8,450	8,451	3
		8,424	8,425	3
		8,408	8,409	3
		8,390	8,391	3
		8,372	8,373	3
		8,356	8,357	3
		8,342	8,343	3
8	06/25/2011	8,312	8,313	3
		8,288	8,289	3
		8,270	8,271	3
		8,230	8,231	3
		8,212	8,213	3
		8,182	8,183	3
		8,132	8,133	3
		8,118	8,119	3
		8,094	8,095	3

Frac Summary

Stage 1 : 9,692 - 9,879, 6125 bbls of Slickwater, 42000 lbs of 20-40 Sand Report Date: 06/16/2011
Stage 2 : 9,516 - 9,641, 7687 bbls of Slickwater, 54200 lbs of 20-40 Sand Report Date: 06/17/2011
Stage 3 : 9,312 - 9,485, 17100 bbls of Slickwater, 120000 lbs of 20-40 Sand Report Date: 06/20/2011
Stage 4 : 9,038 - 9,283, 14611 bbls of Slickwater, 103000 lbs of 20-40 Sand Report Date: 06/21/2011
Stage 5 : 8,748 - 8,985, 10351 bbls of Slickwater, 72100 lbs of 20-40 Sand Report Date: 06/22/2011
Stage 6 : 8,516 - 8,717, 27 - 0.340" shots, 10619 bbls of Slickwater, 75000 lbs of 20-40 Sand Report Date: 06/24/2011
Stage 7 : 8,342 - 8,475, 27 - 0.340" shots, 18604 bbls of Slickwater, 131000 lbs of 20-40 Sand Report Date: 06/25/2011
Stage 8 : 8,094 - 8,313, 27 - 0.340" shots, 23904 bbls of Slickwater, 168000 lbs of 20-40 Sand Report Date: 06/27/2011

Comments

SIBP 18 psi 7/20/2011