

Downhole Schematic for Benjamin Federal 28-14C (K28NW)



Project : South Piceance

API # : 05045201800000

Surface Location : NESW Sec 28 T6S - R93W 6th PM

Area : Mamm Creek

County :

BHL : SESW-28-6S-93 W 6th PM

As Of : 09/16/2011

GL : 5943.0 ft

KB to GL : ft

KB : 0.0 ft

Set @ 40

Set @ 1374

TOC @ 3330

Stage 7

Stage 6

Stage 5

Stage 4

Stage 3

Stage 2

Stage 1

Set @ 8703

PBTD @ 8659
TD @ 8715

Casing Details									
	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
	Conductor	26.000	16	42	40	40		A52A	Joint
-500 ft									
-1000 ft	Surface	12.250	9.625	36	1,374	1	LT&C	J55	Float Shoe
			9.625	36	1,373	43	LT&C	J55	Casing
				0	1,330	0			Insert
-1500 ft			9.625	36	1,330	1,302	LT&C	J55	Casing
			9.625	36	28	3	LT&C	J55	Pup
			11	0	25	2			Well Head
-2000 ft			9.625	36	23	27	LT&C	J55	Landing Joint
-2500 ft	Production	8.750	4.5	11.6	8,703	1	LT&C	N80	Float Shoe
			4.5	11.6	8,702	41	LT&C	E80	Casing
			4.5	11.6	8,660	1	LT&C	N80	Float Collar
-3000 ft			4.5	11.6	8,659	1,193	LT&C	E80	Casing
			4.5	11.6	7,466	21	LT&C	S90	Marker
-3500 ft			4.5	11.6	7,445	987	LT&C	E80	Casing
			4.5	11.6	6,458	21	LT&C	S90	Marker
			4.5	11.6	6,437	4,031	LT&C	E80	Casing
-4000 ft			4.5	11.6	2,406	2,377	LT&C	P110	Casing
			4.5	11.6	29	3	LT&C	P110	Pup jt.
			11	0	26	3	LT&C		Mandril
-4500 ft			4.5	11.6	24	27	LT&C	P110	Landing jt.
-5000 ft	Cement Details								
	Section	Sequence		Top	Density	Blend / Additives			
-5500 ft	Surface	Lead		0	12.5	G / 2.0%D079+.2%D046+.25lb/skD029			
		Tail		874	15.8	G / 1.25%S001+.2%D026+.25lb/skD029			
-6000 ft	Production	Tail		3,330	13.0	TXI /			
	Conductor	Fill		0	0.0	3%D20+.2%D112+.5%D13+75lbs/skD49+.25lbs/skD29+.5%D46			
	4 yards redi-mix /								
	Tubing and Downhole Equipment								
	O.D.	Length	Depth	Description					
	0.000	20.00	20.00	Landed below KB					
	4.063	0.87	20.87	4 1/16 10K W.G. Hanger					
	2.594	0.67	21.54	2 3/8 Savor sub					
	2.375	7,846.97	7,868.51	241 jts, 2 3/8 L80 4.7 # eue					
	3.063	0.97	7,869.48	F Nipple					
	2.375	32.71	7,902.19	1 jt, 2 3/8 L80 4.7 #					
	3.125	0.92	7,903.11	2 3/8 pump off bit sub					
	3.125	1.22	8,659.00	2 3/8 POBS and bit.					
-6500 ft	Perforations								
	Stage 1							7,518	7,519 3
	Date	From	To	Shots				7,482	7,483 3
	07/28/2011	8,576	8,577	3				7,462	7,463 3
		8,564	8,565	3				7,448	7,449 3
		8,550	8,551	3				7,410	7,411 3
		8,470	8,471	3					
		8,436	8,437	3					
		8,408	8,409	3					
		8,368	8,369	3					
		8,358	8,359	3					
		8,288	8,289	3					
	Stage 2							7,272	7,273 3
	Date	From	To	Shots				7,244	7,245 3
	08/07/2011	8,236	8,237	3				7,228	7,229 3
		8,228	8,229	3				7,206	7,207 3
		8,204	8,205	3				7,186	7,187 3
		8,144	8,145	3				7,174	7,175 3
-7000 ft		8,130	8,131	3					
		8,114	8,115	3					
		8,030	8,031	3					
		8,008	8,009	3					
		7,990	7,991	3					
	Stage 3							7,046	7,047 3
	Date	From	To	Shots				7,024	7,025 3
	08/08/2011	7,960	7,961	3				7,010	7,011 3
		7,926	7,927	3				6,980	6,981 3
		7,906	7,907	3				6,954	6,955 3
		7,898	7,899	3				6,920	6,921 3
		7,844	7,845	3					
		7,808	7,809	3					
		7,770	7,771	3					
		7,722	7,723	3					
-7500 ft		7,710	7,711	3					
	Stage 4							6,874	6,875 3
	Date	From	To	Shots				6,866	6,867 3
	08/09/2011	7,670	7,671	3				6,848	6,849 3
		7,660	7,661	3				6,814	6,815 3
		7,580	7,581	3				6,784	6,785 3
		7,538	7,539	3				6,758	6,759 3
								6,736	6,737 3
								6,686	6,687 3
								6,652	6,653 3
	Frac Summary								
	Stage 1 : 8,288 - 8,577, 27 - 0.340" shots, 7301 bbls of Slickwater Report Date: 08/07/2011								
	Stage 2 : 7,990 - 8,237, 27 - 0.340" shots, 14361 bbls of Slickwater Report Date: 08/08/2011								
	Stage 3 : 7,710 - 7,961, 27 - 0.340" shots, 8917 bbls of Slickwater Report Date: 08/09/2011								
	Stage 4 : 7,410 - 7,671, 27 - 0.340" shots, 12881 bbls of Slickwater Report Date: 08/10/2011								
	Stage 5 : 7,174 - 7,361, 27 - 0.340" shots, 11923 bbls of Slickwater Report Date: 08/10/2011								
	Stage 6 : 6,920 - 7,117, 27 - 0.340" shots, 9415 bbls of Slickwater Report Date: 08/11/2011								
	Stage 7 : 6,652 - 6,875, 27 - 0.340" shots, 16366 bbls of Slickwater Report Date: 08/12/2011								
-8000 ft	Comments								
	SIBH 12 psi.								