

Downhole Schematic for Benjamin Federal 33-3B (K28NW)



Project :South Piceance

API # :05045202610000

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

Area : Mamm Creek

County :

BHL : NENW-33-6S-93 W 6th PM

As Of : 09/19/2011

GL : 5943.0 ft

KB to GL : ft

KB : 0.0 ft

Set @ 40	Casing Details										
	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description		
	Conductor	26.000	16	42	40	40		A52A	Joint		
	Surface	12.250	9.625	36	1,567	1	LT&C	J55	Float Shoe		
	-1000 ft		9.625	36	1,566	44	LT&C	J55	Casing		
				0	1,522	0			Insert		
	-1500 ft		9.625	36	1,522	1,493	LT&C	J55	Casing		
Set @ 1567			9.625	36	29	3	LT&C	J55	Pup		
	-2000 ft		11	0	26	2			Well Head		
			9.625	36	23	27	LT&C	J55	Landing Joint		
	Production	8.750	4.5	11.6	9,981	1	LT&C	N80	Float Shoe		
	-2500 ft		4.5	11.6	9,980	41	LT&C	E80	Casing		
			4.5	11.6	9,938	1	LT&C	N80	Float Collar		
	-3000 ft		4.5	11.6	9,937	2,345	LT&C	E80	Casing		
			4.5	11.6	7,592	23	LT&C	S90	Marker		
	-3500 ft		4.5	11.6	7,569	987	LT&C	E80	Casing		
			4.5	11.6	6,582	23	LT&C	S90	Marker		
	-4000 ft		4.5	11.6	6,559	4,025	LT&C	E80	Casing		
TOC @ 4070			11X5K	0	2,534	2,507	LT&C	P110	Casing		
	-4500 ft		4.5	11.6	22	26	LT&C	P110	Mandrel Landing JT		
	Cement Details										
	Section	Sequence	Top	Density	Blend / Additives						
	Surface	Lead	0	12.5	G / 2.0%D079+.2%D046+.25lb/skD029						
	-5500 ft	Tail	1,067	15.8	G / 1.25%S001+.2%D026+.25lb/skD029						
	Production	Tail	4,070	14.5	G / 35%D66+4%D20+.8%D112+.2%D13+.2%D65+.2%D46+.25lbs/sk						
	-6000 ft	Conductor	Fill	0	0.0	29 4 yards redi mix /					
	Tubing and Downhole Equipment										
	O.D.	Length	Depth	Description							
	0.000	20.00	20.00	adjusted KB							
	4.063	0.82	20.82	4 1/16" x 2 3/8" EUE 10K hanger							
	2.375	0.67	21.49	2 3/8" EUE N80 saver sub							
	2.375	9,208.30	9,229.79	283 jts 2 3/8" EUE 4.7# L80							
	3.063	0.97	9,230.76	F nipple							
	2.375	32.56	9,263.32	1 jt 2 3/8" EUE 4.7# L80							
	3.063	0.92	9,264.24	Top POBS							
	-6500 ft	3.750	1.22	9,937.00	Bottom POBS and Bit						
	Perforations										
	Stage 1							7,830	7,831	3	
	Date	From	To	Shots				7,804	7,805	3	
Stage 9	07/28/2011	9,834	9,835	3				7,704	7,705	3	
		9,752	9,753	3				7,680	7,681	3	
		9,692	9,693	3				7,660	7,661	3	
		9,668	9,669	3							
		9,654	9,655	3		Stage 6					
		9,616	9,617	3		Date	From	To	Shots		
Stage 8	-7000 ft	9,598	9,599	3		08/10/2011	7,628	7,629	3		
		9,570	9,571	3			7,620	7,621	3		
		9,542	9,543	3			7,594	7,595	3		
							7,566	7,567	3		
							7,534	7,535	3		
Stage 7	Stage 2	Date	From	To	Shots		7,482	7,483	3		
	08/08/2011	9,506	9,507	3			7,454	7,455	3		
		9,430	9,431	3			7,414	7,415	3		
		9,420	9,421	3			7,384	7,385	3		
		9,408	9,409	3		Stage 7					
Stage 6		9,398	9,399	3		Date	From	To	Shots		
		9,344	9,345	3		08/10/2011	7,354	7,355	3		
	-7500 ft	9,320	9,321	3			7,340	7,341	3		
		9,312	9,313	3			7,328	7,329	3		
		9,302	9,303	3			7,308	7,309	3		
Stage 5	Stage 3	Date	From	To	Shots		7,296	7,297	3		
	08/09/2011	8,704	8,705	3			7,254	7,255	3		
		8,624	8,625	3			7,230	7,231	3		
		8,592	8,593	3			7,200	7,201	3		
		8,528	8,529	3		Stage 8					
		8,500	8,501	3		Date	From	To	Shots		
		8,460	8,461	3		08/11/2011	7,150	7,151	3		
	-8000 ft	8,428	8,429	3			7,142	7,143	3		
Stage 4		8,400	8,401	3			7,124	7,125	3		
		8,364	8,365	3			7,100	7,101	3		
							7,080	7,081	3		
	Stage 4	Date	From	To	Shots		7,050	7,051	3		
	08/09/2011	8,302	8,303	3			7,026	7,027	3		
		8,252	8,253	3			7,004	7,005	3		
		8,230	8,231	3			6,982	6,983	3		
Stage 3		8,182	8,183	3		Stage 9					
		8,170	8,171	3		Date	From	To	Shots		
		8,152	8,153	3		08/11/2011	6,948	6,949	3		
	-8500 ft	8,126	8,127	3			6,920	6,921	3		
		8,094	8,095	3			6,892	6,893	3		
		8,058	8,059	3			6,884	6,885	3		
							6,872	6,873	3		
	Stage 5	Date	From	To	Shots		6,820	6,821	3		
	08/09/2011	7,968	7,969	3			6,810	6,811	3		
		7,950	7,951	3			6,766	6,767	3		
		7,922	7,923	3			6,730	6,731	3		
		7,846	7,847	3							
	-9000 ft	Frac Summary									
		Stage 1 : 9,542 - 9,835, 27 - 0.340" shots, 18592 bbls of Slickwater Report Date: 08/08/2011									
		Stage 2 : 9,302 - 9,507, 27 - 0.340" shots, 14881 bbls of Slickwater Report Date: 08/08/2011									
		Stage 3 : 8,364 - 8,705, 27 - 0.340" shots, 7178 bbls of Slickwater Report Date: 08/09/2011									
		Stage 4 : 8,058 - 8,303, 27 - 0.340" shots, 7576 bbls of Slickwater Report Date: 08/09/2011									
		Stage 5 : 7,660 - 7,969, 27 - 0.340" shots, 13127 bbls of Slickwater Report Date: 08/10/2011									
		Stage 6 : 7,384 - 7,629, 27 - 0.340" shots, 11266 bbls of Slickwater Report Date: 08/10/2011									
Stage 2		Stage 7 : 7,182 - 7,355, 27 - 0.340" shots, 14981 bbls of Slickwater Report Date: 08/11/2011									
		Stage 8 : 6,982 - 7,151, 27 - 0.340" shots, 14610 bbls of Slickwater Report Date: 08/11/2011									
		Stage 9 : 6,730 - 6,949, 27 - 0.340" shots, 11019 bbls of Slickwater Report Date: 08/12/2011									
	-9500 ft	Comments									
Stage 1		SIBHP 35 psi, 9/19//2011									