

# Downhole Schematic for Benjamin Federal 33-4B (K28NW)



Project : South Piceance

API # : 05045201820000

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

Area : Mamm Creek

County :

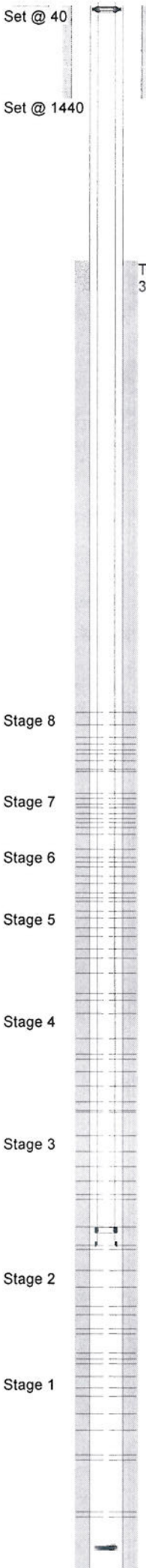
BHL : NWNW-33-6S-93 W 6th PM

As Of : 08/24/2011

GL : 5943.0 ft

KB to GL : ft

KB : 0.0 ft



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	1,440	1	LT&C	J55	Float Shoe
		9.625	36	1,439	42	LT&C	J55	Casing
		0	0	1,396	0			Insert
		9.625	36	1,396	1,367	LT&C	J55	Casing
		9.625	36	29	3	LT&C	J55	Pup
		11	0	26	2			Well Head
		9.625	36	24	27	LT&C	J55	Landing Joint
Production	8.750	4.5	11.6	9,245	1	LT&C	N80	Float Shoe
		4.5	11.6	9,244	41	LT&C	E80	Casing
		4.5	11.6	9,202	1	LT&C	N80	Float Shoe
		4.5	11.6	9,201	1,194	LT&C	E80	Casing
		4.5	11.6	8,007	23	LT&C	E80	Marker jt.
		4.5	11.6	7,985	988	LT&C	E80	Casing
		4.5	11.6	6,997	23	LT&C	E80	Marker jt.
		4.5	11.6	6,974	4,486	LT&C	E80	Casing
		4.5	11.6	2,488	2,460	LT&C	P110	Casing
		11	0	26	3	LT&C	P110	Pup jt.
		4.5	11.6	28	3			Mandril
		11	0	26	3			Landing jt.

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	12.5	G / 2.0%D079+.2%D046+.25lb/skD029
Production	Tail	940	15.8	G / 1.25%S001+.2%D026+.25lb/skD029
Conductor	Fill	3,930	13.0	TXI / 3%D20+.2%D112+.5%D13+75lbs/skD49+.25lbs/skD29+.5%D46

O.D.	Length	Depth	Description
0.000	20.00	20.00	KBTH - 2.00
3.990	0.83	20.83	4 1/16" 10K Wood Group hanger
2.594	0.68	21.51	2 3/8" N-80 Saver Sub
2.375	8,393.69	8,415.20	257 JTS 23/8" L-80 4.7# EUE
3.063	0.98	8,416.18	1.81 F-Nipple
2.375	32.60	8,448.78	1 jt 2 3/8" L-80 4.7# EUE
3.063	0.92	8,449.70	Top 1/2 2 3/8" POBS
3.250	1.21	9,180.00	Bottom 1/2 POBS & 3 3/4" Mill

Stage	Date	From	To	Shots
Stage 1	07/19/2011	9,112	9,113	3
		9,100	9,101	3
		8,974	8,975	3
		8,962	8,963	3
		8,902	8,903	3
		8,862	8,863	3
		8,820	8,821	3
		8,800	8,801	3
		8,800	8,801	3
		8,772	8,773	3
Stage 2	08/04/2011	8,742	8,743	3
		8,730	8,731	3
		8,716	8,717	3
		8,670	8,671	3
		8,658	8,659	3
		8,624	8,625	3
		8,604	8,605	3
		8,558	8,559	3
		8,518	8,519	3
		Stage 3	08/04/2011	8,468
8,458	8,459			3
8,414	8,415			3
8,348	8,349			3
8,336	8,337			3
8,304	8,305			3
8,268	8,269			3
8,232	8,233			3
8,194	8,195			3
Stage 4	08/05/2011			8,136
		8,132	8,133	3
		8,112	8,113	3
		8,074	8,075	3
		8,040	8,041	3
		8,010	8,011	3
		7,998	7,999	3
		7,960	7,961	3
		7,900	7,901	3
		Stage 5	08/06/2011	7,868
7,852	7,853			3
7,804	7,805			3
7,768	7,769			3
7,746	7,747			3
7,716	7,717			3
7,696	7,697			3
7,672	7,673			3
7,656	7,657			3
Stage 6	08/06/2011			7,632
		7,624	7,625	3
		7,612	7,613	3
		7,590	7,591	3
		7,572	7,573	3
		7,550	7,551	3
		7,538	7,539	3
		7,528	7,529	3
		7,508	7,509	3
		Stage 7	08/07/2011	7,472
7,456	7,457			3
7,444	7,445			3
7,434	7,435			3
7,422	7,423			3
7,408	7,409			3
7,400	7,401			3
7,386	7,387			3
7,374	7,375			3
Stage 8	08/07/2011			7,322
		7,316	7,317	3
		7,296	7,297	3
		7,280	7,281	3
		7,270	7,271	3
		7,256	7,257	3
		7,240	7,241	3
		7,210	7,211	3
		7,180	7,181	3

Stage	From	To	Shots	Report Date
Stage 1	8,772	9,113	27	08/03/2011
Stage 2	8,518	8,743	27	08/04/2011
Stage 3	8,194	8,469	27	08/05/2011
Stage 4	7,900	8,137	27	08/06/2011
Stage 5	7,656	7,869	27	08/06/2011
Stage 6	7,508	7,633	27	08/06/2011
Stage 7	7,374	7,473	27	08/07/2011
Stage 8	7,180	7,323	27	08/07/2011

Comments  
SIBP @ 3 psi 8/24/2011

Set @ 9245  
PBD @ 9180  
TD @ 9255