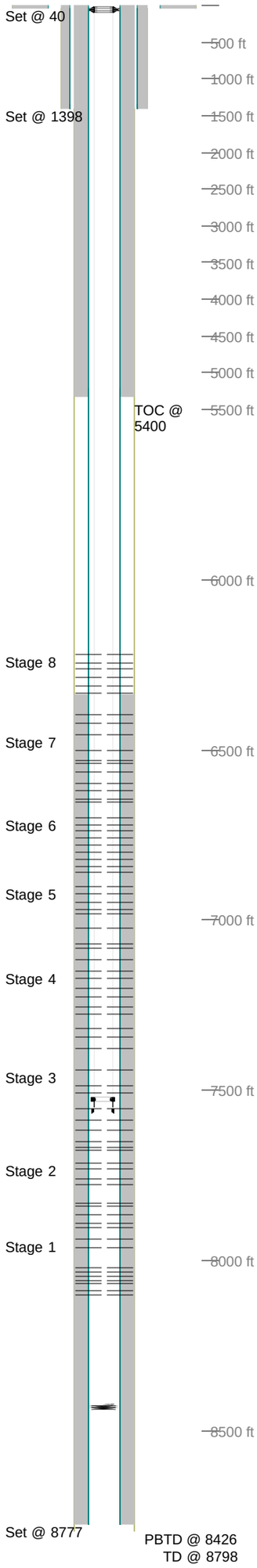
Downhole Schematic for Benzel Fee 25-1A (F25NWB)

Project : South Piceance | API # : 05045208430000 | Surface Location : SENW Sec 25 T6S - R93W 6th P

Area : Mamm Creek | County : | BHL : NENE-25-6S-93 W 6th PM

As Of : 03/05/2012 | GL : 0.0 ft | KB to GL : 30.0 ft | KB : 30.0 ft



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	0	1,398	1	LT&C	K-55	Guide Shoe
		9.625	36	1,397	44	LT&C	J-55	Casing
		9.625	0	1,353	2	LT&C	K-55	Float Collar/ Shark Bite
		9.625	36	1,352	1,315	LT&C	J-55	Casing
		9.625	36	36	5	LT&C	J-55	Wood Group Head Assembly
		9.625	36	31	37	LT&C	J-55	Landing Joint
Production	8.750	4.5	0	8,777	1	Butt	L-80	Guide Shoe
		4.5	11.6	8,776	44	Butt	S-80	Casing
		4.5	0	8,732	1	Butt	L-80	Float Collar
		4.5	11.6	8,731	2,487	Butt	S-80	Casing
		4.5	11.6	6,243	22	Butt	S-80	Casing (Marker)
		4.5	11.6	6,221	990	Butt	S-80	Casing
		4.5	11.6	5,232	22	Butt	S-80	Casing (Marker)
		4.5	11.6	5,209	5,176	Butt	S-80	Casing
		4.5	11.6	34	5	Butt	P-110	Pup Jt. + Mandrel
		4.5	11.6	29	35	Butt	S-80	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Production		0	11.3	40 bbl. Mud Push /
	Lead	0	12.0	TXI LS / .5%D046+.75%D013+1%D079+.25lb/skD029
	Tail	8,777	13.0	TXI / 3%D020+.2%D112+.4%D013+.25lb/skD029+.5%D046
Surface		0	0.0	/ 2 BBl Pre Flush H20
		0	0.0	/ 20 BBL Spacer H20
	Lead	0	12.5	12.5# G Lead / 2%D079+0.2%D046+0.25lb/sk.D029
	Tail	1,120	15.8	15.8 G Tail / 0.75%S001+0.2%D046+0.25lb/sk.D029
Conductor	Fill	0	0.0	4 yards redi mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	28.00	28.00	KBTH -2.00'
4.000	0.82	28.82	4 1/16 10K hanger, Wood Groop
2.594	0.67	29.49	2 3/8 N80 saver sub
2.375	7,491.70	7,521.19	230 jts 2 3/8 L80 4.7# Eue Tbg
3.063	0.97	7,522.16	1.812 F-Nipple
2.375	32.63	7,554.79	1 jt 2 3/8 L80 4.7# Eue Tbg
3.063	0.92	7,555.71	top 1/2 pump off bit sub
3.250	1.22	8,425.00	Btm 1/2 POBS & 3 3/4" Mill

Perforations

Stage	Date	From	To	Shots
1	02/02/2012	8,100	8,101	3
		8,088	8,089	3
		8,068	8,069	3
		8,058	8,059	3
		8,048	8,049	3
		8,034	8,035	3
		8,024	8,025	3
		7,964	7,965	3
		7,938	7,939	3
2	02/04/2012	7,906	7,907	3
		7,890	7,891	3
		7,866	7,867	3
		7,842	7,843	3
		7,832	7,833	3
		7,776	7,777	3
		7,762	7,763	3
		7,730	7,731	3
		7,714	7,715	3
3	02/06/2012	7,678	7,679	3
		7,668	7,669	3
		7,652	7,653	3
		7,616	7,617	3
		7,590	7,591	3
		7,554	7,555	3
		7,510	7,511	3
		7,486	7,487	3
		7,440	7,441	3
4	02/08/2012	7,376	7,377	
		7,346	7,347	3
		7,320	7,321	3
		7,278	7,279	3
		7,254	7,255	3
		7,226	7,227	3
		7,202	7,203	3
		7,170	7,171	3
		7,152	7,153	3
5	02/09/2012	7,116	7,117	3
		7,082	7,083	3
		7,070	7,071	3
		7,024	7,025	3
		6,980	6,981	3
		6,970	6,971	3
		6,948	6,949	3
		6,924	6,925	3
		6,904	6,905	3
6	02/10/2012	6,858	6,859	3
		6,844	6,845	3
		6,822	6,823	3
		6,802	6,803	3
		6,778	6,779	3
		6,760	6,761	3
		6,738	6,739	3
		6,720	6,721	3
		6,700	6,701	3
7	02/12/2012	6,654	6,655	
		6,646	6,647	3
		6,620	6,621	3
		6,600	6,601	3
		6,564	6,565	3
		6,542	6,543	3
		6,530	6,531	3
		6,504	6,505	3
		6,454	6,455	3
8	02/12/2012	6,420	6,421	3
		6,396	6,397	3
		6,332	6,383	3
		6,314	6,333	3
		6,288	6,315	3
		6,262	6,289	3
		6,244	6,263	3
		6,218	6,219	3

Frac Summary

Stage 1 : 7,938 - 8,101, 27 - 0.340" shots, 7650 bbls of Slickwater Report Date: 02/04/2012
Stage 2 : 7,714 - 7,907, 27 - 0.340" shots, 9167 bbls of Slickwater Report Date: 02/06/2012
Stage 3 : 7,440 - 7,679, 27 - 0.340" shots, 9690 bbls of Slickwater Report Date: 02/07/2012
Stage 4 : 7,152 - 7,377, 27 - 0.340" shots, 7538 bbls of Slickwater Report Date: 02/09/2012
Stage 5 : 6,904 - 7,117, 27 - 0.340" shots, 9479 bbls of Slickwater Report Date: 02/10/2012
Stage 6 : 6,700 - 6,859, 27 - 0.340" shots, 11027 bbls of Slickwater Report Date: 02/11/2012
Stage 7 : 6,454 - 6,655, 27 - 0.340" shots, 8020 bbls of Slickwater Report Date: 02/12/2012
Stage 8 : 6,218 - 6,421, 27 - 0.340" shots, 11218 bbls of Slickwater Report Date: 02/13/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
6,135.0	02/14/2012	CBP	0

CBP at 6,135.0 drilled out 03/04/2012

Comments

03/05/2012 SIBHP 130