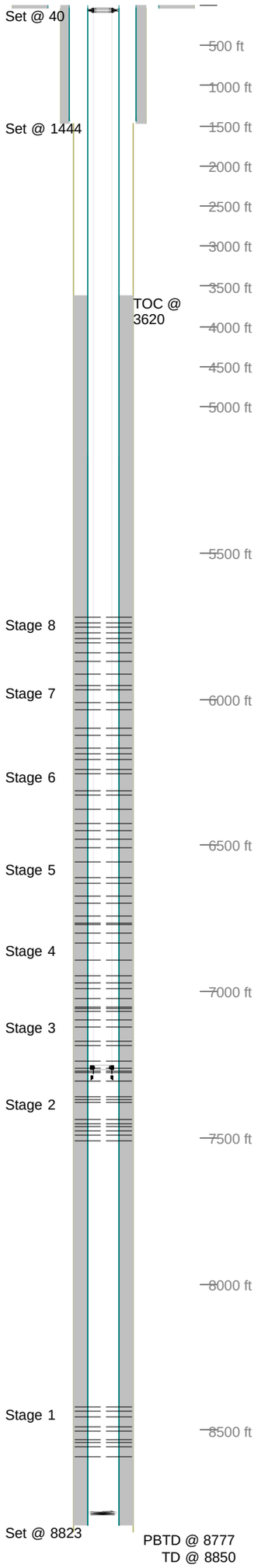
Downhole Schematic for Benzel Fee 25-7E (F25NWB)

Project : South Piceance | API # : 05045208420000 | Surface Location : SENW Sec 25 T6S - R93W 6th P

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

As Of : 02/27/2012 | 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	1,444	2	LT&C	J-55	Guide Shoe
		9.625	36	1,443	44	LT&C	J-55	Casing
		9.625	0	1,399	2	LT&C	J-55	Float Collar/ Shark Bite
		9.625	36	1,397	1,362	LT&C	J-55	Casing
		9.625	36	35	6	LT&C	J-55	Wood Group Head Assembly
		9.625	36	30	34	LT&C	J-55	Landing Joint
Production	8.750	4.5	0	8,823	1	Butt	L-80	Guide Shoe
		4.5	11.6	8,822	41	Butt	S-80	Casing
		4.5	0	8,781	1	Butt	L-80	Float Collar
		4.5	11.6	8,780	2,605	Butt	S-80	Casing
		4.5	11.6	6,175	22	Butt	S-80	Casing (Marker)
		4.5	11.6	6,153	963	Butt	S-80	Casing
		4.5	11.6	5,190	22	Butt	S-80	Casing (Marker)
		4.5	11.6	5,167	5,132	Butt	S-80	Casing
		4.5	11.6	36	5	Butt	P-110	Pup Jt. + Mandrel
		4.5	11.6	31	36	Butt	S-80	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface		0	0.0	/ 2 BBl Pre Flush
		0	0.0	/ 20 BBL Spacer
	Lead	0	12.5	12.5# G / 2%D079+0.2%D046+0.25lb/sk.D029
	Tail	1,189	15.8	15.8 G / 1%S001+0.2%D046+0.25lb/sk.D029
Production		0	13.0	40 bbl. Mud Push / 5,000lb/bbl D182 + 313.820 D066
	Lead	0	0.0	No Lead Cement /
	Tail	3,620	13.5	TXI / 3.000% D020 + 0.200% D112 +0.600% D013 +0.250.% D029 + 0.500% D046 + 75.000 lb/sk D049 + 0.200% D065
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	7,221.69	7,251.18	222 jts 2 3/8 L80 4.7# Eue Tbg
3.063	0.97	7,252.15	1.812 F-Nipple
2.375	32.68	7,284.83	1 jt 2 3/8 L80 4.7# Eue Tbg
3.063	0.92	7,285.75	top 1/2 pump off bit sub
3.250	1.22	8,777.00	Btm 1/2 POBS & 3 3/4" Mill

Perforations

Stage 1

Date	From	To	Shots
02/03/2012	8,588	8,589	
	8,558	8,559	3
	8,542	8,543	3
	8,530	8,531	3
	8,502	8,503	3
	8,490	8,491	3
	8,452	8,453	3
	8,436	8,437	3
	8,418	8,419	3

Stage 2

Date	From	To	Shots
02/05/2012	7,510	7,511	3
	7,490	7,491	3
	7,478	7,479	3
	7,460	7,461	3
	7,452	7,453	3
	7,438	7,439	3
	7,380	7,381	3
	7,368	7,369	3
	7,358	7,359	3

Stage 3

Date	From	To	Shots
02/07/2012	7,304	7,305	3
	7,278	7,279	3
	7,270	7,271	3
	7,260	7,261	3
	7,236	7,237	3
	7,186	7,187	3
	7,170	7,171	3
	7,120	7,121	3
	7,098	7,099	3

Stage 4

Date	From	To	Shots
02/09/2012	7,068	7,069	3
	7,060	7,061	3
	7,052	7,053	3
	7,024	7,025	3
	6,988	6,989	3
	6,968	6,969	3
	6,944	6,945	3
	6,894	6,895	3
	6,836	6,837	3

Stage 5

Date	From	To	Shots
02/10/2012	6,800	6,801	3
	6,772	6,773	3
	6,764	6,765	3
	6,740	6,741	3
	6,696	6,697	3
	6,672	6,673	3
	6,632	6,633	3
	6,610	6,611	3
	6,556	6,557	3

Stage 6

Date	From	To	Shots
02/11/2012	6,510	6,511	
	6,478	6,479	3
	6,448	6,449	3
	6,426	6,427	3
	6,378	6,379	3
	6,330	6,331	3
	6,312	6,313	3
	6,256	6,257	3
	6,242	6,243	3

Stage 7

Date	From	To	Shots
02/12/2012	6,206	6,207	
	6,188	6,189	3
	6,166	6,167	3
	6,122	6,123	3
	6,098	6,099	3
	6,038	6,039	3
	6,014	6,015	3
	5,970	5,971	3
	5,954	5,955	3

Stage 8

Date	From	To	Shots
02/13/2012	5,914	5,915	3
	5,872	5,873	3
	5,842	5,843	3
	5,808	5,809	3
	5,792	5,793	3
	5,772	5,773	3
	5,754	5,755	3
	5,738	5,739	3
	5,718	5,719	3

Frac Summary

Stage 1 : 8,418 - 8,589, 11524 bbls of Slickwater Report Date: 02/05/2012
Stage 2 : 7,358 - 7,511, 4599 bbls of Slickwater Report Date: 02/06/2012
Stage 3 : 7,098 - 7,305, 9057 bbls of Slickwater Report Date: 02/08/2012
Stage 4 : 6,836 - 7,069, 9637 bbls of Slickwater Report Date: 02/09/2012
Stage 5 : 6,556 - 6,801, 9642 bbls of Slickwater Report Date: 12/30/1899
Stage 6 : 6,242 - 6,511, 8416 bbls of Slickwater Report Date: 02/12/2012
Stage 7 : 5,954 - 6,207, 10645 bbls of Slickwater Report Date: 02/12/2012
Stage 8 : 5,718 - 5,915, 12273 bbls of Slickwater Report Date: 02/14/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
5,632.0	02/14/2012	CBP	0

CBP at 5,632.0 drilled out 02/26/2012

Comments

02/27/2012 SIBHP 0,