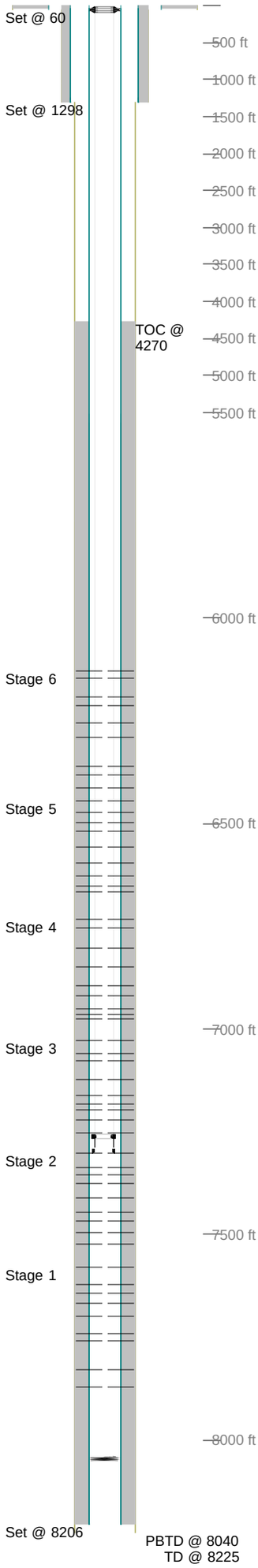
Downhole Schematic for Benzel Fee 25-8D (F25NWB)

Project : South Piceance | API # : 05045208450000 | Surface Location : SENW Sec 25 T6S - R93W 6th P

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

As Of : 02/23/2012 | 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	60	60		A52A	Joint
Surface	12.250	9.625	0	1,298	1	LT&C	K-55	Guide Shoe
		9.625	36	1,297	44	LT&C	J-55	Casing
		9.625	0	1,253	2	LT&C	K-55	Float Collar/ Shark Bite
		9.625	36	1,252	1,216	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	8,206	1	Butt	L-80	Guide Shoe
		4.5	11.6	8,205	43	Butt	S-80	Casing
		4.5	0	8,162	1	Butt	L-80	Float Collar
		4.5	11.6	8,161	1,621	Butt	S-80	Casing
		4.5	11.6	6,539	22	Butt	S-80	Casing (Marker)
		4.5	11.6	6,517	993	Butt	S-80	Casing
		4.5	11.6	5,524	22	Butt	S-80	Casing (Marker)
		4.5	11.6	5,502	5,465	Butt	S-80	Casing
		4.5	11.6	37	6	Butt		GE Mandrel & Pup
		4.5	11.6	31	36	Butt	S-80	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Production		0	11.3	Mud Push /
	Lead	4,270	12.0	G / 1%D079+0.7%D013+0.5%D046+0.25lb/skD029
	Tail	5,763	13.0	TXI / 3%D020+0.2%D112+0.4%D013+0.5%D046+0.25lb/skD029
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	1,047	15.8	15.8 G / 1%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	Below 30' KB
4.063	0.86	28.86	4-1/2" 10k WG hanger
2.594	0.67	29.53	2-3/8" N-80 Saver Sub
2.375	7,227.12	7,256.65	222 jts of 2-3/8" 4.7# EUE L-80
3.063	0.97	7,257.62	"F" profile nipple
2.375	32.65	7,290.27	1 jt of 2-3/8" 4.7# EUE L-80
3.063	0.98	7,291.25	Top 1/2 of POBS
3.750	1.22	8,040.00	Btm 1/2 of POBS and 3-3/4 bit

Perforations

Stage 1

Date	From	To	Shots
02/03/2012	7,870	7,871	3
	7,830	7,831	3
	7,760	7,761	3
	7,740	7,741	3
	7,700	7,701	3
	7,666	7,667	3
	7,642	7,643	3
	7,620	7,621	3
	7,578	7,579	3

Stage 2

Date	From	To	Shots
02/06/2012	7,522	7,523	3
	7,494	7,495	3
	7,468	7,469	3
	7,446	7,447	3
	7,410	7,411	3
	7,376	7,377	3
	7,356	7,357	3
	7,336	7,337	3
	7,302	7,303	3

Stage 3

Date	From	To	Shots
02/08/2012	7,254	7,255	3
	7,222	7,223	3
	7,198	7,199	3
	7,182	7,183	3
	7,160	7,161	3
	7,124	7,125	3
	7,078	7,079	3
	7,060	7,061	3
	7,028	7,029	3

Stage 4

Date	From	To	Shots
02/09/2012	6,976	6,977	3
	6,964	6,965	3
	6,950	6,951	3
	6,920	6,921	3
	6,896	6,897	3
	6,850	6,851	3
	6,802	6,803	3
	6,754	6,755	3
	6,734	6,735	3

Stage 5

Date	From	To	Shots
02/10/2012	6,666	6,667	3
	6,652	6,653	3
	6,626	6,627	3
	6,596	6,597	3
	6,556	6,557	3
	6,518	6,519	3
	6,496	6,497	3
	6,474	6,475	3
	6,446	6,447	3

Stage 6

Date	From	To	Shots
02/11/2012	6,412	6,413	3
	6,380	6,381	3
	6,362	6,363	3
	6,292	6,293	3
	6,254	6,255	3
	6,212	6,213	3
	6,192	6,193	3
	6,148	6,149	3
	6,130	6,131	3

Frac Summary

Stage 1 : 7,578 - 7,871, 11523 bbls of Slickwater Report Date: 12/30/1899
Stage 2 : 7,302 - 7,523, 10625 bbls of Slickwater Report Date: 12/30/1899
Stage 3 : 7,028 - 7,255, 10080 bbls of Slickwater Report Date: 02/08/2012
Stage 4 : 6,734 - 6,977, 10844 bbls of Slickwater Report Date: 02/09/2012
Stage 5 : 6,446 - 6,667, 27 - 0.340" shots, 12131 bbls of Slickwater Report Date: 02/11/2012
Stage 6 : 6,130 - 6,413, 17322 bbls of Slickwater Report Date: 02/14/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
6,046.0	02/15/2012	CBP	0

CBP at 6,046.0 drilled out 02/23/2012

Comments

SIBHP 0, 2/24/2012