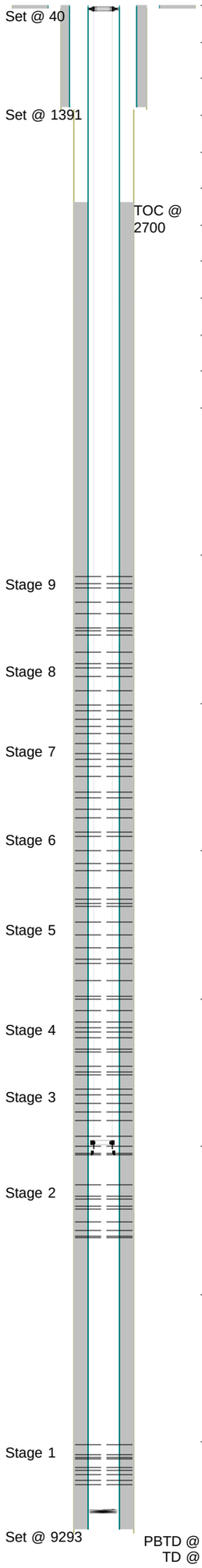
Downhole Schematic for Federal Savage 11-3B (RD11)

Project : South Piceance | API # : 05045201860000 | Surface Location : NWNW Sec 11 T7S - R94W 6th P

Area : Rulison | County : GARFIELD | BHL : NWNW-11-7S-94 W 6th PM

As Of : 03/21/2012 | GL : 6384.0 ft | KB to GL : 22.0 ft | KB : 6406.0 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	1,391	2	LT&C		Float Shoe
		9.625	36	1,390	1,361	LT&C	J55	Casing Joints
		9.625	0	28	5	LT&C		Well Head
		9.625	36	23	26	LT&C	J55	Landing Joint
Production	8.750	4.5	0	9,293	1	Butt		Float Shoe
		4.5	11.6	9,292	44	Butt	S80	Shoe Joint
		4.5	0	9,248	1	Butt		Float Collar
		4.5	11.6	9,247	1,891	Butt	S80	Casing Joints
		4.5	11.6	7,356	22	Butt	S80	Marker Joint
		4.5	11.6	7,334	1,008	Butt	S80	Casing Joints
		4.5	11.6	6,326	22	Butt	S80	Marker Joint
		4.5	11.6	6,304	6,274	Butt	S80	Casing Joints
		4.5	11.6	30	5	LT&C		Casing Hanger
		4.5	11.6	25	27	Butt	P110	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Fill	0	8.3	Water 20bbls /
	Lead	0	12.5	G lead / G+2.0% DO79 + 0.2% DO46 + 0.25#sx D029
	Tail	1,137	15.8	G Tail / G +1.0% SOO1 + 0.2% DO46+0.25#sxDO29
Production	Scavenger	2,700	11.3	Mud push II 40 /
	Lead	4,048	12.0	TXI / D049 75# SK, D079 1%, D013 .9%, D046 .5%, D029 .25LB/SK
	Tail	6,312	13.0	TXI / D049 75# SK, D020 3%, D112 .2%, D013 .5%, D046 .5%, D029 .25LB/SK
Conductor	Fill	0	0.0	4 yards redi mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KB
4.063	0.83	20.83	Tubing Hanger 4 1/16" 10K W.G.
2.594	0.67	21.50	Saver Sub
2.375	7,957.25	7,978.75	245 JTS L80 2 3/8" 4.7#
3.063	0.97	7,979.72	F-Nipple
2.375	32.60	8,012.32	1 JT L80 2 3/8" 4.7#
3.125	0.92	8,013.24	POBS
3.750	1.21	9,228.00	3 3/4" Hurricane Mill and POBS

Perforations

Stage	Date	From	To	Shots
1	02/15/2012	9,144	9,145	3
		9,130	9,131	3
		9,110	9,111	3
		9,098	9,099	3
		9,088	9,089	3
		9,058	9,059	3
		9,054	9,055	3
		9,044	9,045	3
		9,008	9,009	3
2	02/18/2012	8,310	8,311	3
		8,304	8,305	3
		8,282	8,283	3
		8,254	8,255	3
		8,214	8,215	3
		8,202	8,203	3
		8,180	8,181	3
		8,168	8,169	3
		8,130	8,131	3
3	02/20/2012	8,030	8,031	3
		8,024	8,025	3
		7,998	7,999	3
		7,964	7,965	3
		7,914	7,915	3
		7,882	7,883	3
		7,856	7,857	3
		7,826	7,827	3
		7,804	7,805	3
4	02/22/2012	7,756	7,757	3
		7,746	7,747	3
		7,726	7,727	3
		7,682	7,683	3
		7,670	7,671	3
		7,632	7,633	3
		7,614	7,615	3
		7,598	7,599	3
		7,580	7,581	3
5	02/24/2012	7,540	7,541	3
		7,502	7,503	3
		7,490	7,491	3
		7,436	7,437	3
		7,380	7,381	3
		7,364	7,365	3
		7,326	7,327	3
		7,286	7,287	3
		7,238	7,239	3
6	02/27/2012	7,186	7,187	3
		7,178	7,179	3
		7,162	7,163	3
		7,126	7,127	3
		7,068	7,069	3
		7,044	7,045	3
		7,000	7,001	3
		6,948	6,949	3
		6,934	6,935	3
7	03/03/2012	6,888	6,889	3
		6,858	6,859	3
		6,818	6,819	3
		6,800	6,801	3
		6,748	6,749	3
		6,712	6,713	3
		6,688	6,689	3
		6,670	6,671	3
		6,638	6,639	3
8	03/06/2012	6,600	6,601	3
		6,580	6,581	3
		6,554	6,555	3
		6,524	6,525	3
		6,504	6,505	3
		6,456	6,457	3
		6,408	6,409	3
		6,378	6,379	3
		6,364	6,365	3
9	03/08/2012	6,328	6,329	3
		6,268	6,269	3
		6,256	6,257	3
		6,246	6,247	3
		6,198	6,199	3
		6,158	6,159	3
		6,108	6,109	3
		6,094	6,095	3
		6,068	6,069	3

Frac Summary

Stage 1 : 9,008 - 9,145, 27 - 0.390" shots, 12431 bbls of Slickwater Report Date: 02/17/2012
Stage 2 : 8,130 - 8,311, 27 - 0.390" shots, 7417 bbls of Slickwater Report Date: 02/19/2012
Stage 3 : 7,804 - 8,031, 27 - 0.390" shots, 5136 bbls of Slickwater Report Date: 02/21/2012
Stage 4 : 7,580 - 7,757, 27 - 0.390" shots, 12339 bbls of Slickwater Report Date: 02/24/2012
Stage 5 : 7,238 - 7,541, 27 - 0.390" shots, 7774 bbls of Slickwater Report Date: 02/27/2012
Stage 6 : 6,934 - 7,187, 27 - 0.390" shots, 8407 bbls of Slickwater Report Date: 03/03/2012
Stage 7 : 6,638 - 6,889, 27 - 0.390" shots Report Date: 03/05/2012
Stage 8 : 6,364 - 6,601, 27 - 0.390" shots, 10701 bbls of Slickwater Report Date: 03/07/2012
Stage 9 : 6,068 - 6,329, 27 - 0.390" shots, 12649 bbls of Slickwater Report Date: 03/09/2012

Comments

SIBP 10 psi 3/21/12