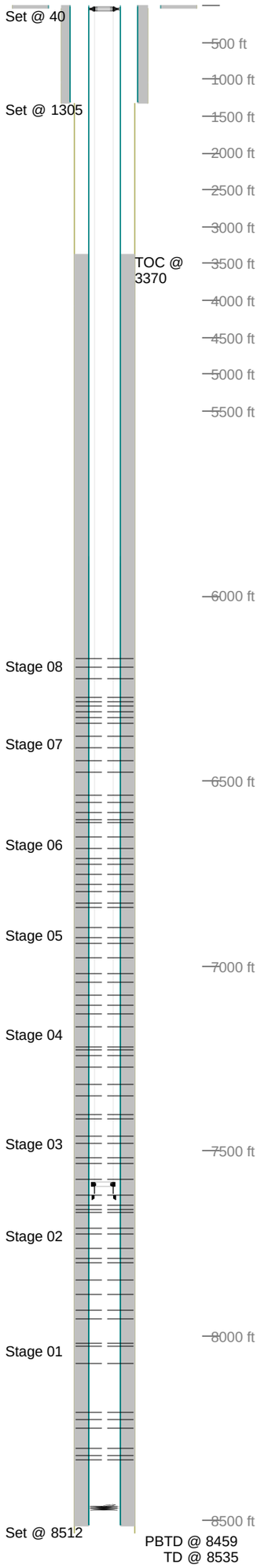
Downhole Schematic for Federal Savage 11-3A (RD11)

Project : South Piceance | API # : 05045201880000 | Surface Location : NWNW Sec 11 T7S - R94W 6th P

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

As Of : 03/19/2012 | 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	1,305	2	LT&C		Float Shoe
		9.625	36	1,304	1,275	LT&C	J-55	Casing Joints
		9.625	0	29	5	LT&C		Wellhead
		9.625	36	24	26	LT&C	J-55	Landing Joint
Production	8.750	4.5	11.6	8,512	1	Butt	S80	FLOAT SHOE
		4.5	11.6	8,511	43	Butt	S80	SHOE JOINT
		4.5	11.6	8,468	1	Butt	S80	FLOAT COLLAR
		4.5	11.6	8,467	1,438	Butt	S80	CASING
		4.5	11.6	7,028	21	Butt	S80	MARKER JOINT
		4.5	11.6	7,007	1,093	Butt	S80	CASING
		4.5	11.6	5,913	22	Butt	S80	MARKER JOINT
		4.5	11.6	5,891	5,864	Butt	S80	CASING
		4.5	11.6	28	5	Butt	S80	MANDREL
		4.5	11.6	23	27	Butt	S80	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	1,036	15.8	G Tail / G +1.0% SOO1 + 0.2% DO46+0.25#sxDO29
Production	Scavenger	3,370	11.3	Mud push II 40 /
	Lead	4,082	12.0	TXI / D049 75# SK, D079 1%, D013 .9%, D046 .5%, D029 .25LB/SK
	Tail	6,382	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	7,563.52	7,585.02	232 JTS 2 3/8" L80 4.7#
3.063	0.97	7,585.99	F-Nipple
2.375	32.62	7,618.61	1 JT 2 3/8" L80 4.7#
3.125	0.92	7,619.53	POBS
3.750	1.21	8,459.00	3 3/4" Hurricane Mill and POBS

Perforations

Stage	Date	From	To	Shots
01	02/14/2012	8,334	8,335	3
		8,324	8,325	3
		8,304	8,305	3
		8,252	8,253	3
		8,228	8,229	3
		8,206	8,207	3
		8,076	8,077	3
		8,028	8,029	3
		8,022	8,023	3
02	02/17/2012	7,956	7,957	3
		7,932	7,933	3
		7,890	7,891	3
		7,850	7,851	3
		7,804	7,805	3
		7,790	7,791	3
		7,766	7,767	3
		7,726	7,727	3
		7,708	7,709	3
03	02/20/2012	7,668	7,669	3
		7,660	7,661	3
		7,648	7,649	3
		7,622	7,623	3
		7,578	7,579	3
		7,536	7,537	3
		7,518	7,519	3
		7,480	7,481	3
		7,462	7,463	3
04	02/24/2012	7,412	7,413	3
		7,404	7,405	3
		7,350	7,351	3
		7,322	7,323	3
		7,274	7,275	3
		7,244	7,245	3
		7,228	7,229	3
		7,218	7,219	3
		7,164	7,165	3
05	02/25/2012	7,130	7,131	3
		7,106	7,107	3
		7,078	7,079	3
		7,046	7,047	3
		7,020	7,021	3
		6,980	6,981	3
		6,940	6,941	3
		6,924	6,925	3
		6,898	6,899	3
06	02/27/2012	6,842	6,843	3
		6,830	6,831	3
		6,798	6,799	3
		6,778	6,779	3
		6,752	6,753	3
		6,724	6,725	3
		6,708	6,709	3
		6,682	6,683	3
		6,652	6,653	3
07	03/03/2012	6,614	6,615	3
		6,606	6,607	3
		6,584	6,585	3
		6,558	6,559	3
		6,540	6,541	3
		6,478	6,479	3
		6,444	6,445	3
		6,410	6,411	3
		6,378	6,379	3
08	03/05/2012	6,346	6,347	3
		6,328	6,329	3
		6,312	6,313	3
		6,298	6,299	3
		6,286	6,287	3
		6,276	6,277	3
		6,224	6,225	3
		6,194	6,195	3
		6,168	6,169	3

Frac Summary

Stage 01 : 8,022 - 8,335, 27 - 0.390" shots, 10105 bbls of Slickwater Report Date: 02/17/2012
Stage 02 : 7,708 - 7,957, 27 - 0.390" shots, 6394 bbls of Slickwater Report Date: 02/19/2012
Stage 03 : 7,462 - 7,669, 27 - 0.390" shots, 8254 bbls of Slickwater Report Date: 02/21/2012
Stage 04 : 7,164 - 7,413, 27 - 0.390" shots, 5946 bbls of Slickwater Report Date: 02/24/2012
Stage 05 : 6,898 - 7,131, 27 - 0.390" shots, 8122 bbls of Slickwater Report Date: 02/27/2012
Stage 06 : 6,652 - 6,843, 27 - 0.390" shots, 13726 bbls of Slickwater Report Date: 03/02/2012
Stage 07 : 6,378 - 6,615, 27 - 0.390" shots, 10072 bbls of Slickwater Report Date: 03/05/2012
Stage 08 : 6,168 - 6,347, 27 - 0.390" shots, 6648 bbls of Slickwater Report Date: 03/07/2012

Comments

Casing patch @ 563' tested to 6500 psi on 1/4/2011
SIBP 55 psi 3/19/12