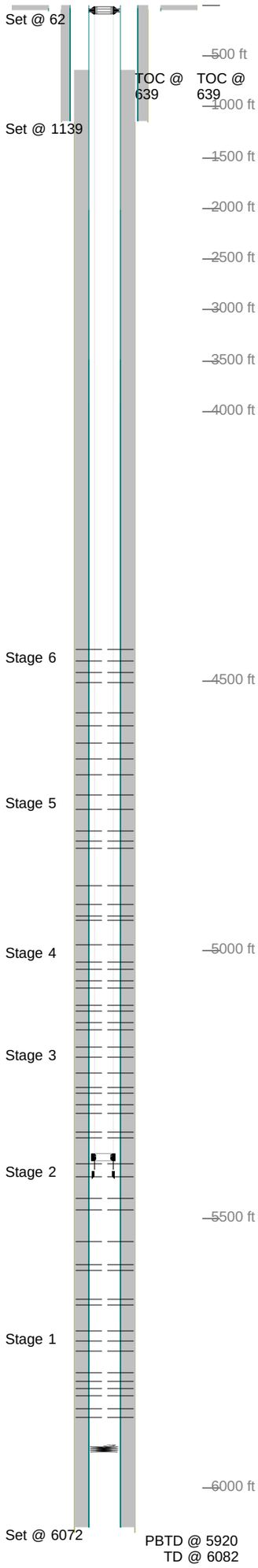
Downhole Schematic for Twin Creek 1-9C1 (O1EB)

Project : South Piceance | API # : 05045195110000 | Surface Location : SWSE Sec 1 T7S - R92W 6th PM

Area : Mamm Creek | County : GARFIELD | BHL : NESE-1-7S-92 W 6th PM

As Of : 06/07/2011 | GL : 6062.0 ft | KB to GL : 22.0 ft | KB : 6084.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42	62	40			CONDUCTOR
Surface	12.250	9.625	36	1,139	1	LT&C	J55	Float Shoe
		9.625	36	1,138	44	LT&C	J55	Casing
			0	1,093	0			Insert
		9.625	36	1,093	1,066	LT&C	J55	Casing
		9.625	36	28	3	LT&C	J55	Pup
		11	0	25	2			Well Head
			0	22	27			Landing Joint
Production	8.750	4.5	11.6	6,072	1	LT&C	N80	Float Shoe
		4.5	11.6	6,071	41	LT&C	E80	Casing
		4.5	11.6	6,029	1	LT&C	N80	Float Collar
		4.5	11.6	6,028	1,022	LT&C	E80	Casing
		4.5	11.6	5,006	22	LT&C	P110	Marker
		4.5	11.6	4,984	1,044	LT&C	E80	Casing
		4.5	11.6	3,940	22	LT&C	P110	Marker
		4.5	11.6	3,918	425	LT&C	E80	Casing
		4.5	11.6	3,493	4	LT&C	P110	HDVC
		4.5	11.6	3,489	1,474	LT&C	E80	Casing
		4.5	11.6	2,015	2,012	LT&C	P110	Casing

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Tail	0	15.8	Class "G" / 1.25%S1+.2%D46+.25ppsD29
Production	Tail	639	13.0	D049 / 3.0%D020+0.6%D112+0.1%D013+0.5%D046+0.25lb/skD029
	Tail	3,362	13.0	D049 / 3.0%D020+0.6%D112+0.4%D013+0.5%D046+0.25lb/skD029
Conductor	Fill	0	0.0	4 yards redi mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	adjusted KB
4.063	0.82	20.82	4 1/16" x 2 3/8" EUE 5K hanger
2.375	0.67	21.49	2 3/8" EUE N80 saver sub
2.375	5,357.31	5,378.80	169 jts 2 3/8" EUE 4.7# L80
3.063	0.97	5,379.77	F nipple
2.375	30.75	5,410.52	1 jt 2 3/8" EUE 4.7# L80
3.063	0.91	5,411.43	Top POBS
3.750	1.22	5,920.00	Bottom POBS and Bit

Perforations

Stage	Date	From	To	Shots
1	02/28/2011	5,868	5,869	3
		5,852	5,853	3
		5,828	5,829	3
		5,816	5,817	3
		5,802	5,803	3
		5,786	5,787	3
		5,746	5,747	3
		5,726	5,727	3
		5,708	5,709	3
2	04/30/2011	5,660	5,661	3
		5,648	5,649	3
		5,596	5,597	3
		5,584	5,585	3
		5,542	5,543	3
		5,484	5,485	3
		5,462	5,463	3
		5,422	5,423	3
		5,398	5,399	3
3	05/03/2011	5,350	5,351	3
		5,338	5,339	3
		5,304	5,305	3
		5,288	5,289	3
		5,266	5,267	3
		5,256	5,257	3
		5,228	5,229	3
		5,200	5,201	3
		5,180	5,181	3
4	05/04/2011	5,148	5,149	3
		5,134	5,135	3
		5,114	5,115	3
		5,104	5,105	3
		5,070	5,071	3
		5,056	5,057	3
		5,036	5,037	3
		5,022	5,023	3
		4,990	4,991	3
5	05/05/2011	4,946	4,947	3
		4,938	4,939	3
		4,916	4,917	3
		4,880	4,881	3
		4,812	4,813	3
		4,798	4,799	3
		4,780	4,781	3
		4,740	4,741	3
		4,712	4,713	3
6	05/06/2011	4,674	4,675	3
		4,646	4,647	3
		4,616	4,617	3
		4,584	4,585	3
		4,560	4,561	3
		4,504	4,505	3
		4,484	4,485	3
		4,462	4,463	3
		4,442	4,443	3

Frac Summary

Stage 1 : 5,708 - 5,869, 27 - 0.340" shots, 15229 bbls of Slickwater Report Date: 04/30/2011
Stage 2 : 5,398 - 5,661, 27 - 0.340" shots, 20026 bbls of Slickwater Report Date: 05/02/2011
Stage 3 : 5,180 - 5,351, 27 - 0.340" shots, 17562 bbls of Slickwater Report Date: 05/03/2011
Stage 4 : 4,990 - 5,149, 27 - 0.340" shots, 15522 bbls of Slickwater Report Date: 05/04/2011
Stage 5 : 4,712 - 4,947, 27 - 0.340" shots, 15531 bbls of Slickwater Report Date: 05/06/2011
Stage 6 : 4,442 - 4,675, 27 - 0.340" shots, 16645 bbls of Slickwater Report Date: 05/06/2011

Comments

SIBHP 0, 1/24/11
SIBHP 0 psi 6/7/2011