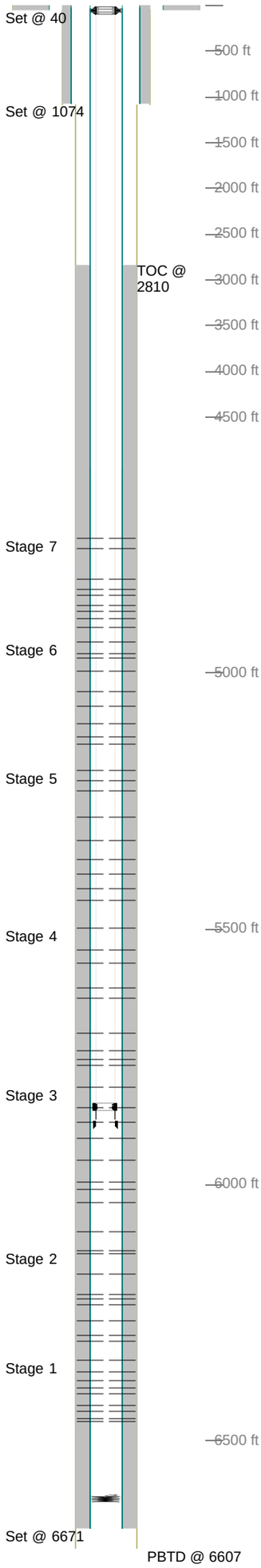
Downhole Schematic for Cook Carpenter 20-3A (PB20)

Project : South Piceance | API # : 05045205580000 | Surface Location : NWNE Sec 20 T7S - R95W 6th P

Area : Parachute | County : GARFIELD | BHL : NENW-20-7S-95 W 6th PM

As Of : 07/17/2012 | GL : 5645.0 ft | KB to GL : 22.0 ft | KB : 5667.0 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		0	1,074	1	LT&C		Guide Shoe
		9.625	36	1,073	42	LT&C	K-55	Casing
			0	1,031	1	LT&C		Float Shoe
		9.625	36	1,030	1,001	LT&C	K-55	Casing
		9.625	36	28	3	ST&C	J55	Casing Pup
		9.625	36	26	3	LT&C	J55	Well Head
		9.625	36	23	27	LT&C	J55	Landig Jnt.
Production	8.750		0	6,671	1	Butt		Guide Shoe
		4.5	11.6	6,670	43	Butt	S80	Csng.
			11.6	6,626	2	Butt		Float Collar
		4.5	11.6	6,625	989	Butt	S80	Csng.
		4.5	11.6	5,636	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	5,614	992	Butt	S80	Csng.
		4.5	11.6	4,622	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	4,600	4,568	Butt	S80	Csng.
		4.5	11.6	31	5	Butt	P-110	Mandril
		4.5	11.6	26	23	Butt	S80	LD. Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Fill	0	0.0	4 yards redi mix /
Surface	Lead	0	12.5	12.5 G Lead (76 bbls.) / D907 18800lb; 2%D79+o.2%D46+0.25ppsD29
	Tail	784	15.8	15.8 Class G (31bbls.) / 14006lbD907+0.75%S001+0.2%D046+0.2 %ppsD29
Production	Scavenger	0	8.3	CW100 /
	Lead	2,848	12.0	12.0 TXI Lead / D04975.000 lb/skWTSK32775.00 lb D0791.000 %BWOB327.75 lb D0131.000 %BWOB327.75 lb D0460.500 %BWOB163.88 lb D0290.250 lb/skWTSK114.25 lb
	Tail	4,809	13.0	13.0 TXI / D04975.000 lb/skWTSK39150 lb D0203.000 %BWOB1,174.5 lb D1120.200 %BWOB78.3 lb D0130.600 %BWOB234.9 lb D0460.500 %BWOB195.75 lb D0290.250 lb/skWTSK130.5 lb

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KB - 2.00
4.063	0.84	20.84	4 1/16" 5K WG hanger
2.594	0.67	21.51	2 3/8" N80 saver sub
2.375	5,820.46	5,841.97	180 jts 2 3/8" J-55 4.7# Eue tbg
3.063	0.97	5,842.94	1.81 F-nipple
2.375	32.80	5,875.74	1 JT 2 3/8" J-55 4.7# Eue tbg
3.125	0.91	5,876.65	Top 1/2 POBS
3.750	1.23	6,607.00	Bttm 1/2 POBS & 3 3/4" mill

Perforations

Stage 1

Date	From	To	Shots
06/18/2012	6,462	6,463	3
	6,458	6,459	3
	6,444	6,445	3
	6,432	6,433	3
	6,408	6,409	3
	6,398	6,399	3
	6,384	6,385	3
	6,366	6,367	3
	6,342	6,343	3

Stage 2

Date	From	To	Shots
06/30/2012	6,306	6,307	3
	6,294	6,295	3
	6,266	6,267	3
	6,234	6,235	3
	6,224	6,225	3
	6,214	6,215	3
	6,174	6,175	3
	6,136	6,137	3
	6,130	6,131	3

Stage 3

Date	From	To	Shots
07/03/2012	6,092	6,093	3
	6,036	6,037	3
	6,010	6,011	3
	5,996	5,997	3
	5,952	5,953	3
	5,910	5,911	3
	5,878	5,879	3
	5,848	5,849	3
	5,808	5,809	3

Stage 4

Date	From	To	Shots
07/04/2012	5,766	5,767	3
	5,754	5,755	3
	5,738	5,739	3
	5,704	5,705	3
	5,636	5,637	3
	5,614	5,615	3
	5,568	5,569	3
	5,542	5,543	3
	5,498	5,499	3

Stage 5

Date	From	To	Shots
07/06/2012	5,444	5,445	3
	5,420	5,421	3
	5,394	5,395	3
	5,364	5,365	3
	5,328	5,329	3
	5,282	5,283	3
	5,230	5,231	3
	5,210	5,211	3
	5,190	5,191	3

Stage 6

Date	From	To	Shots
07/07/2012	5,138	5,139	3
	5,126	5,127	3
	5,098	5,099	3
	5,064	5,065	3
	5,036	5,037	3
	4,996	4,997	3
	4,970	4,971	3
	4,962	4,963	3
	4,940	4,941	3

Stage 7

Date	From	To	Shots
07/08/2012	4,910	4,911	3
	4,894	4,895	3
	4,880	4,881	3
	4,868	4,869	3
	4,848	4,849	3
	4,838	4,839	3
	4,818	4,819	3
	4,758	4,759	3
	4,738	4,739	3

Frac Summary

Stage 1 : 6,342 - 6,463, 16000 bbls of Slickwater Report Date: 06/28/2012
Stage 2 : 6,130 - 6,307, 15810 bbls of Slickwater Report Date: 07/01/2012
Stage 3 : 5,808 - 6,093, 7619 bbls of Slickwater Report Date: 07/03/2012
Stage 4 : 5,498 - 5,767, 24000 bbls of Slickwater Report Date: 07/06/2012
Stage 5 : 5,190 - 5,445, 18762 bbls of Slickwater Report Date: 07/06/2012
Stage 6 : 4,940 - 5,139, 24000 bbls of Slickwater Report Date: 07/07/2012
Stage 7 : 4,738 - 4,911, 24810 bbls of Slickwater Report Date: 12/30/1899

Comments

SIBHP 0 psi, 7/17/2012