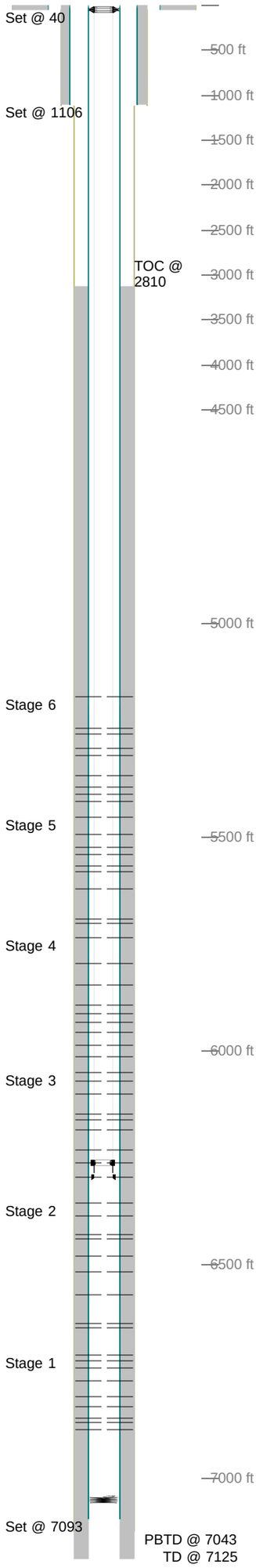
Downhole Schematic for Cook Gardner 20-4A (PB20)

Project : South Piceance | API # : 05045205450000 | Surface Location : NWNE Sec 20 T7S - R95W 6th P

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

As Of : 07/16/2012 | GL : 0.0 ft | KB to GL : 22.0 ft | KB : 22.0 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	1,106	1	LT&C		Guide Shoe
		9.625	36	1,105	41	LT&C	K-55	Casing
			0	1,064	1	LT&C		Float Shoe
		9.625	36	1,063	1,034	LT&C	K-55	Casing
		9.625	36	29	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	7,093	1	Butt		Guide Shoe
		4.5	11.6	7,092	41	Butt	S80	Csng.
			11.6	7,050	2	Butt		Float Collar
		4.5	11.6	7,049	856	Butt	S80	Csng.
		4.5	11.6	6,192	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	6,170	957	Butt	S80	Csng.
		4.5	11.6	5,213	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	5,191	5,162	Butt	S80	Csng.
		4.5	11.6	29	5	Butt	P-110	Mandril
		4.5	11.6	24	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 (82 bbls.) / D907 18800lb; 2%D79+o.2%D46+0.25ppsD29
	Tail	827	15.8	15.8 Class G (31bbls.) / 14006lbD907+0.75%S001+0.2%D046+0.2 %ppsD29
Production	Scavenger	0	8.3	CW100 /
	Lead	3,120	12.0	12.0 TXI Lead / D04975.000 lb/skWTSK34,800.00 lb34,800.00 lb D0791.000 %BWOB348.00 lb348.00 lb D0131.100 %BWOB382.80 lb382.80 lb D0460.500 %BWOB174.00 lb174.00 lb D0290.250 lb/skWTSK116.00 lb116.00 lb
	Tail	5,325	13.0	13.0 TXI / D04975.000 lb/skWTSK39,525.00 lb39,525.00 lb D0203.000 %BWOB1,185.75 lb1,185.75 lb D1120.200 %BWOB79.05 lb79.05 lb D0130.500 %BWOB197.62 lb197.62 lb D0460.500 %BWOB197.62 lb197.62 lb D0290.250 lb/skWTSK131.75 lb131.75 lb

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KB
4.063	0.84	20.84	Tubing Hanger 4 1/16" 5K W.G.
2.594	0.67	21.51	Saver Sub
2.375	6,232.86	6,254.37	191 JTS L80 2 3/8" 4.7#
3.063	0.97	6,255.34	F-Nipple
2.375	31.55	6,286.89	1 JT L80 2 3/8" 4.7#
3.125	0.91	6,287.80	POBS
3.750	1.23	7,043.00	POBS and 3 3/4" Hurricane Mill

Perforations

Stage 1

Date	From	To	Shots
06/18/2012	6,886	6,887	3
	6,868	6,869	3
	6,860	6,861	3
	6,832	6,833	3
	6,810	6,811	3
	6,772	6,773	3
	6,740	6,741	3
	6,726	6,727	3
	6,712	6,713	3

Stage 2

Date	From	To	Shots
06/29/2012	6,648	6,649	3
	6,638	6,639	3
	6,572	6,573	3
	6,516	6,517	3
	6,480	6,481	3
	6,440	6,441	3
	6,430	6,431	3
	6,386	6,387	3
	6,354	6,355	3

Stage 3

Date	From	To	Shots
07/02/2012	6,296	6,297	3
	6,260	6,261	3
	6,232	6,233	3
	6,184	6,185	3
	6,160	6,161	3
	6,146	6,147	3
	6,102	6,103	3
	6,070	6,071	3
	6,050	6,051	3

Stage 4

Date	From	To	Shots
07/03/2012	6,014	6,015	3
	5,988	5,989	3
	5,956	5,957	3
	5,932	5,933	3
	5,912	5,913	3
	5,894	5,895	3
	5,844	5,845	3
	5,794	5,795	3
	5,736	5,737	3

Stage 5

Date	From	To	Shots
07/04/2012	5,702	5,703	3
	5,690	5,691	3
	5,620	5,621	3
	5,582	5,583	3
	5,566	5,567	3
	5,540	5,541	3
	5,524	5,525	3
	5,494	5,495	3
	5,452	5,453	3

Stage 6

Date	From	To	Shots
07/05/2012	5,416	5,417	3
	5,398	5,399	3
	5,382	5,383	3
	5,354	5,355	3
	5,308	5,309	3
	5,292	5,293	3
	5,260	5,261	3
	5,244	5,245	3
	5,172	5,173	3

Frac Summary

Stage 1 : 6,712 - 6,887, 12047 bbls of Slickwater Report Date: 06/29/2012
Stage 2 : 6,354 - 6,649, 8333 bbls of Slickwater Report Date: 07/01/2012
Stage 3 : 6,050 - 6,297, 9857 bbls of Slickwater Report Date: 07/03/2012
Stage 4 : 5,736 - 6,015, 10476 bbls of Slickwater Report Date: 07/04/2012
Stage 5 : 5,452 - 5,703, 9476 bbls of Slickwater Report Date: 07/04/2012
Stage 6 : 5,172 - 5,417, 13678 bbls of Slickwater Report Date: 07/05/2012

Comments

SIBP 5 psi 7/16/12