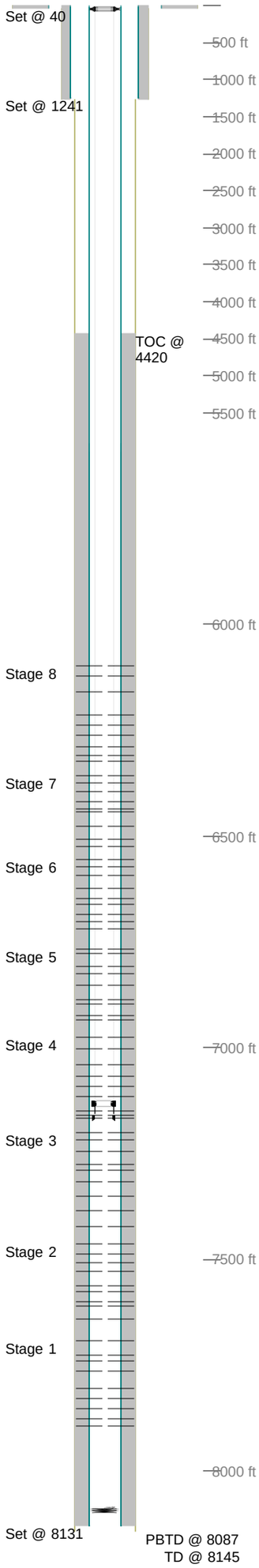
Downhole Schematic for Federal 28-11BB (PL28)

Project : South Piceance | API # : 05045202350000 | Surface Location : NWSW Sec 28 T7S - R95W 6th F

Area : Parachute | County : | BHL : NESW-28-7S-95 W 6th PM

As Of : 04/21/2012 | GL : 7171.8 ft | KB to GL : 22.0 ft | KB : 7193.8 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	36	1,241	1	LT&C		Guide Shoe
		9.625	36	1,240	44	LT&C	J55	Casing Jt
		8.875	0	1,196	2			Float Collar
		9.625	36	1,195	1,166	LT&C	J55	Casing
		9.625	36	29	3	LT&C	J55	Pup Jt
		11x5m	0	26	3	LT&C		Well Head
		9.625	36	23	27	LT&C	J55	Landing JT
Production	8.750	4.5	11.6	8,131	1	Butt	S80	SHOE
		4.5	11.6	8,130	41	Butt	S80	4.5" Shoe JT
		4.5	11.6	8,088	1	Butt	S80	Float Collar
		4.5	11.6	8,087	1,401	Butt	S80	4.5: JTS Csg
		4.5	11.6	6,686	22	Butt	S80	MARKER JT
		4.5	11.6	6,664	1,072	Butt	S80	4.5' Casing
		4.5	11.6	5,592	22	Butt	S80	MARKER JT
		4.5	11.6	5,571	5,543	Butt	S80	4.5" 11.6# Csg
			11.6	27	5	Butt	S80	Mandril & Pup
		4.5	11.6	22	26	Butt	S80	Landing Jt

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Surface	Lead	0	12.5	G / 2%D079+.20% DO46+.25lb/sk D029
	Tail	850	15.8	G / 1% S001+.2% D046+ .25lb/sk D029
Production	Scavenger	0	9.4	Mud Push / D042 - 75#/BBL, D031 -831.9#/MGAL
	Tail	4,420	9.6	LiteCrete / D065-.2%,D013-.4%, D046-.2%, D029-.25#/SK d907=41#sk,D124=46#SK, D154=13#/SK, CEMNET
Conductor	Fill	0	0.0	4 yards redi-mix /

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KBTH -2.00'
4.063	0.84	20.84	4 1/16 5K hanger, Wood Groop
2.594	0.68	21.52	2 3/8 N80 saver sub
2.375	7,105.83	7,127.35	217 jts 2 3/8 L80 4.7# Eue Tbg
3.063	0.92	7,128.27	1.812 F-Nipple
2.375	32.82	7,161.09	1 jt 2 3/8 L80 4.7# Eue Tbg
3.063	0.85	7,161.94	top 1/2 pump off bit sub
3.250	1.23	8,087.00	Btm 1/2 POBS & 3 3/4" Mill

Perforations

Stage 1

Date	From	To	Shots
03/31/2012	7,894	7,895	3
	7,878	7,879	3
	7,852	7,853	3
	7,830	7,831	3
	7,806	7,807	3
	7,766	7,767	3
	7,742	7,743	3
	7,728	7,729	3
	7,694	7,695	3

Stage 2

Date	From	To	Shots
04/05/2012	7,640	7,641	3
	7,610	7,611	3
	7,600	7,601	3
	7,576	7,577	3
	7,564	7,565	3
	7,530	7,531	3
	7,508	7,509	3
	7,488	7,489	3
	7,464	7,465	3

Stage 3

Date	From	To	Shots
04/07/2012	7,422	7,423	3
	7,384	7,385	3
	7,350	7,351	3
	7,316	7,317	3
	7,290	7,291	3
	7,276	7,277	3
	7,244	7,245	3
	7,218	7,219	3
	7,200	7,201	3

Stage 4

Date	From	To	Shots
04/08/2012	7,168	7,169	3
	7,160	7,161	3
	7,148	7,149	3
	7,116	7,117	3
	7,090	7,091	3
	7,068	7,069	3
	7,042	7,043	3
	7,002	7,003	3
	6,974	6,975	3

Stage 5

Date	From	To	Shots
04/09/2012	6,936	6,937	3
	6,924	6,925	3
	6,896	6,897	3
	6,886	6,887	3
	6,852	6,853	3
	6,826	6,827	3
	6,808	6,809	3
	6,778	6,779	3
	6,766	6,767	3

Stage 6

Date	From	To	Shots
04/10/2012	6,718	6,719	3
	6,702	6,703	3
	6,686	6,687	3
	6,660	6,661	3
	6,648	6,649	3
	6,622	6,623	3
	6,594	6,595	3
	6,572	6,573	3
	6,554	6,555	3

Stage 7

Date	From	To	Shots
04/11/2012	6,524	6,525	3
	6,508	6,507	3
	6,476	6,477	3
	6,444	6,445	3
	6,436	6,437	3
	6,418	6,419	3
	6,394	6,395	3
	6,374	6,375	3
	6,356	6,357	3

Stage 8

Date	From	To	Shots
04/12/2012	6,322	6,323	3
	6,308	6,309	3
	6,290	6,291	3
	6,262	6,263	3
	6,236	6,237	3
	6,214	6,215	3
	6,158	6,159	3
	6,120	6,121	3
	6,096	6,097	3

Frac Summary

Stage 1 : 7,694 - 7,895, 16360 bbls of Slickwater Report Date: 04/05/2012
Stage 2 : 7,464 - 7,641, 5934 bbls of Slickwater Report Date: 04/06/2012
Stage 3 : 7,200 - 7,423, 6078 bbls of Slickwater Report Date: 12/30/1899
Stage 4 : 6,974 - 7,169, 5416 bbls of Slickwater Report Date: 04/08/2012
Stage 5 : 6,766 - 6,937, 7562 bbls of Slickwater Report Date: 04/10/2012
Stage 6 : 6,554 - 6,719, 9469 bbls of Slickwater Report Date: 04/11/2012
Stage 7 : 6,356 - 6,525, 10471 bbls of Slickwater Report Date: 04/12/2012
Stage 8 : 6,096 - 6,323, 10096 bbls of Slickwater Report Date: 04/13/2012

Comments

SIBH 0 psi 4/21/12