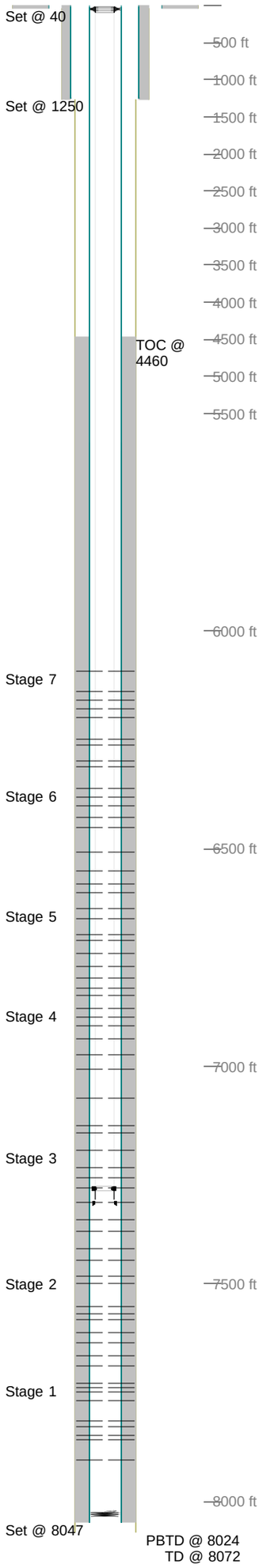
Downhole Schematic for Federal 28-11 (PL28)

Project : South Piceance | API # : 05045202330000 | Surface Location : NWSW Sec 28 T7S - R95W 6th F

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

As Of : 05/03/2012 | GL : 7161.4 ft | KB to GL : 22.0 ft | KB : 7183.4 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	1,250	1	LT&C		Guide Shoe
		9.625	36	1,249	44	LT&C	J55	Casing Jt
		8.875	0	1,205	2			Float Collar
		9.625	36	1,204	1,175	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	8,047	1	Butt	S80	Float Shoe
		4.5	11.6	8,046	20	Butt	S80	Marker
		4.5	11.6	8,026	1	Butt	S80	FLOAT COLLAR
		4.5	11.6	8,024	1,429	Butt	S80	4.5"CSG
		4.5	11.6	6,595	22	Butt	S80	MARKER
		4.5	11.6	6,573	985	Butt	S80	4.5"CSG
		4.5	11.6	5,588	22	Butt	S80	MARKER
		4.5	11.6	5,566	5,519	Butt	S80	4.5"CSG
		4.5	11.6	48	20	Butt	S80	Marker
		4.5	11.6	28	5	Butt	S80	MANDRIL & Pup
		4.5	11.6	23	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	4,460	9.6	LiteCrete / D065-.2%,D013-.4%, D045-.2%, D029-.25#/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	0.84	20.84	Tubing Hanger 4 1/16" 5K W.G.
2.594	0.68	21.52	Saver Sub
2.375	7,253.42	7,274.94	221 JTS L80 2 3/8" 4.7#
3.063	0.97	7,275.91	F-Nipple
2.375	32.75	7,308.66	1 JT L80 2 3/8" 4.7#
3.125	0.92	7,309.58	POBS
3.750	1.22	8,024.00	POBS and 3 3/4" Hurricane Mill

Perforations

Stage 1

Date	From	To	Shots
03/31/2012	7,906	7,907	3
	7,860	7,861	3
	7,850	7,851	3
	7,828	7,829	3
	7,814	7,815	3
	7,768	7,769	3
	7,750	7,751	3
	7,738	7,739	3
	7,728	7,729	3

Stage 2

Date	From	To	Shots
04/05/2012	7,690	7,691	3
	7,664	7,665	3
	7,636	7,637	3
	7,612	7,613	3
	7,584	7,585	3
	7,570	7,571	3
	7,552	7,553	3
	7,500	7,501	3
	7,484	7,485	3

Stage 3

Date	From	To	Shots
04/07/2012	7,446	7,447	3
	7,420	7,421	3
	7,378	7,379	3
	7,352	7,353	3
	7,312	7,313	3
	7,278	7,279	3
	7,256	7,257	3
	7,234	7,235	3
	7,192	7,193	3

Stage 4

Date	From	To	Shots
04/08/2012	7,152	7,153	3
	7,138	7,139	3
	7,072	7,073	3
	7,008	7,009	3
	6,972	6,973	3
	6,936	6,937	3
	6,906	6,907	3
	6,886	6,887	3
	6,866	6,867	3

Stage 5

Date	From	To	Shots
04/09/2012	6,836	6,837	3
	6,820	6,821	3
	6,798	6,799	3
	6,770	6,771	3
	6,742	6,743	3
	6,712	6,713	3
	6,698	6,699	3
	6,662	6,663	3
	6,638	6,639	3

Stage 6

Date	From	To	Shots
04/10/2012	6,600	6,601	3
	6,582	6,583	3
	6,552	6,553	3
	6,508	6,509	3
	6,452	6,453	3
	6,428	6,429	3
	6,402	6,403	3
	6,380	6,381	3
	6,360	6,361	3

Stage 7

Date	From	To	Shots
04/11/2012	6,312	6,313	3
	6,298	6,299	3
	6,262	6,263	3
	6,250	6,251	3
	6,200	6,201	3
	6,180	6,181	3
	6,160	6,161	3
	6,140	6,141	3
	6,092	6,093	3

Frac Summary

Stage 1 : 7,728 - 7,907, 13676 bbls of Slickwater Report Date: 04/05/2012
Stage 2 : 7,484 - 7,691, 10384 bbls of Slickwater Report Date: 04/06/2012
Stage 3 : 7,192 - 7,447, 15746 bbls of Slickwater Report Date: 04/07/2012
Stage 4 : 6,866 - 7,153, 17108 bbls of Slickwater Report Date: 04/08/2012
Stage 5 : 6,638 - 6,837, 13326 bbls of Slickwater Report Date: 04/10/2012
Stage 6 : 6,360 - 6,601, 19116 bbls of Slickwater Report Date: 04/11/2012
Stage 7 : 6,092 - 6,313, 22585 bbls of Slickwater Report Date: 04/12/2012

Comments

SIBP 0 5/3/12