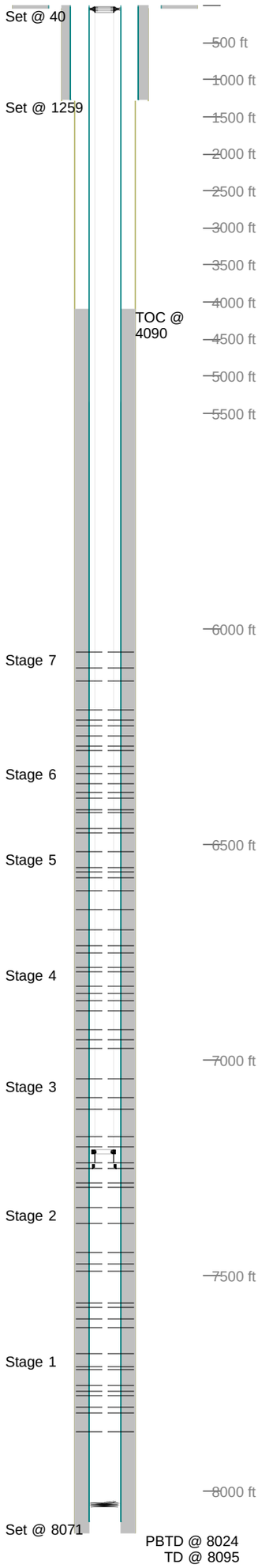
Downhole Schematic for Federal 28-5 (PL28)

Project : South Piceance | API # : 05045202150000 | Surface Location : NWSW Sec 28 T7S - R95W 6th F

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

As Of : 04/24/2012 | GL : 7161.6 ft | KB to GL : 22.0 ft | KB : 7183.6 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	1,259	1	LT&C		Guide Shoe
		9.625	36	1,258	44	LT&C	J55	Casing Jt
		8.875	0	1,214	2			Float Collar
		9.625	36	1,213	1,184	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	8,071	1	Butt	S80	SHOE
		4.5	11.6	8,070	44	Butt	S80	4.5" 11.6# JT
		4.5	11.6	8,026	1	Butt	S80	fLOAT
		4.5	11.6	8,024	1,273	Butt	S80	4.5: JTS
		4.5	11.6	6,751	22	Butt	S80	MARKER JT
		4.5	11.6	6,729	1,363	Butt	S80	4.5'
		4.5	11.6	5,367	22	Butt	S80	MARKER JT
		4.5	11.6	5,345	5,311	Butt	S80	4.5" 11.6#
			11.6	33	5	Butt	S80	Mandril & pup
		4.5	11.6	29	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 +D974 Cemnet 2%
	Tail	850	15.8	G / 1% S001+.2% D046+ .25lb/sk D029
Production	Scavenger	0	9.4	MudPush II / DO42=75#/BBL,DO31=831.9#/MGAL
	Tail	4,090	8.9	LiteCrete / DO65=.2%BWOC,DO13=.45, do46=20%,do29=.25#/bbl
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 W.G. 4 1/16" 5K
2.594	0.68	21.52	Saver Sub
2.375	7,185.53	7,207.05	219 JTS 2 3/8" L80 4.7#
3.063	0.92	7,207.97	F-Nipple
2.375	32.70	7,240.67	1 JT 2 3/8" L80 4.7#
3.125	0.92	7,241.59	POBS
3.750	1.22	8,024.00	POBS and 3 3/4" Hurricane Mill

Perforations

Stage	Date	From	To	Shots
1	03/31/2012	7,862	7,863	3
		7,818	7,819	3
		7,806	7,807	3
		7,776	7,777	3
		7,766	7,767	3
		7,754	7,755	3
		7,718	7,719	3
		7,710	7,711	3
		7,682	7,683	3
2	04/07/2012	7,620	7,621	3
		7,600	7,601	3
		7,574	7,575	3
		7,562	7,563	3
		7,490	7,491	3
		7,474	7,475	3
		7,446	7,447	3
		7,378	7,379	3
		7,340	7,341	3
3	04/07/2012	7,294	7,295	3
		7,284	7,285	3
		7,250	7,251	3
		7,236	7,237	3
		7,200	7,201	3
		7,178	7,179	3
		7,114	7,115	3
		7,086	7,087	3
		7,042	7,043	3
4	04/08/2012	6,972	6,973	3
		6,952	6,953	3
		6,928	6,929	3
		6,884	6,885	3
		6,862	6,863	3
		6,846	6,847	3
		6,828	6,829	3
		6,796	6,797	3
		6,784	6,785	3
5	04/09/2012	6,752	6,753	3
		6,736	6,737	3
		6,696	6,697	3
		6,652	6,652	3
		6,606	6,607	3
		6,578	6,579	3
		6,564	6,564	3
		6,552	6,553	3
		6,516	6,517	3
6	04/10/2012	6,472	6,473	3
		6,464	6,465	3
		6,426	6,427	3
		6,420	6,421	3
		6,392	6,393	3
		6,378	6,379	3
		6,358	6,359	3
		6,334	6,335	3
		6,320	6,321	3
7	04/11/2012	6,280	6,281	3
		6,270	6,271	3
		6,248	6,249	3
		6,224	6,225	3
		6,212	6,213	3
		6,188	6,189	3
		6,120	6,121	3
		6,090	6,091	3
		6,054	6,055	3

Frac Summary

Stage 1 : 7,682 - 7,863, 13672 bbls of Slickwater Report Date: 04/06/2012
Stage 2 : 7,340 - 7,621, 8815 bbls of Slickwater Report Date: 04/07/2012
Stage 3 : 7,042 - 7,295, 16711 bbls of Slickwater Report Date: 04/07/2012
Stage 4 : 6,784 - 6,973, 16395 bbls of Slickwater Report Date: 04/08/2012
Stage 5 : 6,516 - 6,753, 13399 bbls of Slickwater Report Date: 04/10/2012
Stage 6 : 6,320 - 6,473, 16759 bbls of Slickwater Report Date: 04/11/2012
Stage 7 : 6,054 - 6,281, 27223 bbls of Slickwater Report Date: 04/13/2012

Comments

SIBP 0 4/24/12