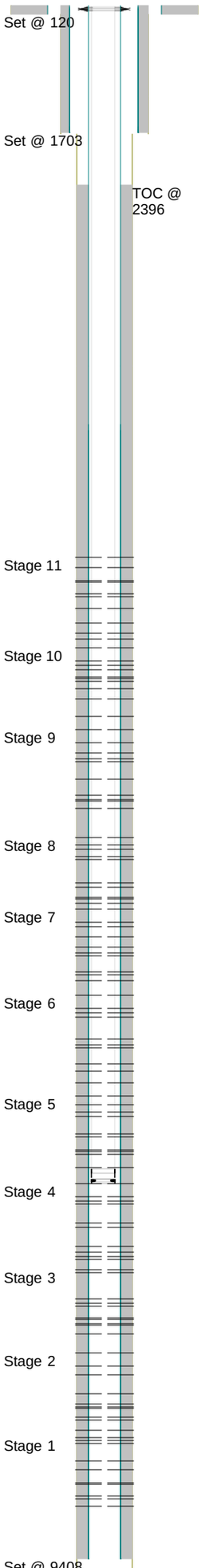
Downhole Schematic for N Parachute WF03A-27 K22 596

Project : North Piceance | API # : 05045188900000 | Surface Location : NESW Sec 22 T5S - R96W 6th P

Area : N Parachute | County : | BHL : NENW-27-5S-96 W 6th PM

As Of : 06/06/2011 | GL : 6527.0 ft | KB to GL : 23.0 ft | KB : 6550.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42.06	120	120		A52A	Line Pipe
Surface	12.250	9.625	0	1,703	2	ST&C	K55	Float Shoe
		9.625	36	1,701	39	ST&C	J55	Casing Shoe Jt
		9.625	36	1,662	43	LT&C	J55	Casing - SB
		9.625	36	1,620	1,590	LT&C	J55	Casing
		9.625	36	30	6	ST&C	J55	Well head
		9.625	36	24	29	ST&C	J55	Landing Jt
Production	7.875	4.5	0	9,408	2	Butt		Float Shoe
		4.5	11.6	9,407	25	Butt	E80	Pup Joint
		4.5	11.6	9,381	2	Butt	E80	Float Collar
		4.5	11.6	9,380	1,487	Butt	E80	Casing
		4.5	11.6	7,892	23	Butt	S80	Marker Jnt
		4.5	11.6	7,870	2,324	Butt	E80	Casing
		4.5	11.6	5,546	23	Butt	S80	Marker Jnt
		4.5	11.6	5,524	5,527	Butt	E80	Casing

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Lead	0	13.0	Control Set C /
Surface	Lead	0	12.5	Class G / G+2.0%D079+0.2%D46+0.25 pps D29
	Tail	1,211	14.0	Class G / G+1%D79+0.2%D46+0.25pps D29
Production	Lead	2,396	12.5	12.5ppg Poz "G" / 5.0% D44+0.2% D46+ 2.0% D79 + 1.6% D13 + 0.5% D182 + 0.25 PPS D029
	Tail	4,809	13.0	13.0 PPG Poz "A" - Rockies Correct / 5.0% D044 + 35% D178+ 3.0% D020 + 0.4% D182 + 0.75% D112 +0.35% D201% +0.2% D065 + 0.2% D046 + 0.25 PPS D029

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	22.00	22.00	KB
7.063	0.80	22.80	7 1/16" Woodgroup
3.063	8,050.42	8,073.22	260 jts. 2 3/8" L80 4.7# Columbian tbg.
3.063	1.10	8,074.32	2 3/8" flag nipple
3.063	31.70	8,106.02	1 jt. 2 3/8" L80 4.7# Columbian tbg.
3.063	1.10	8,107.12	2 3/8" Seating nipple
3.063	10.10	8,117.22	2 3/8" L80 pup jt.

Perforations

Stage 1

Date	From	To	Shots
05/10/2011	9,230	9,231	3
	9,203	9,204	3
	9,193	9,194	3
	9,153	9,154	3
	9,146	9,147	3
	9,105	9,106	3
	9,071	9,072	3
	9,013	9,014	3
	9,003	9,004	3
	8,995	8,996	3

Stage 2

Date	From	To	Shots
05/11/2011	8,969	8,970	3
	8,935	8,936	3
	8,922	8,923	3
	8,892	8,893	3
	8,886	8,887	3
	8,877	8,878	3
	8,845	8,846	3
	8,780	8,781	3
	8,746	8,747	3
	8,705	8,706	3

Stage 3

Date	From	To	Shots
05/12/2011	8,637	8,638	3
	8,607	8,608	3
	8,601	8,602	3
	8,588	8,589	3
	8,584	8,585	3
	8,545	8,546	3
	8,532	8,533	3
	8,517	8,518	3
	8,426	8,427	3
	8,418	8,419	3

Stage 4

Date	From	To	Shots
05/13/2011	8,384	8,385	3
	8,372	8,373	3
	8,360	8,361	3
	8,338	8,339	3
	8,272	8,273	3
	8,256	8,257	3
	8,193	8,194	3
	8,182	8,183	3
	8,166	8,167	3
	8,125	8,126	3

Stage 5

Date	From	To	Shots
05/17/2011	8,068	8,069	3
	8,021	8,022	3
	8,015	8,016	3
	8,008	8,009	3
	7,963	7,964	3
	7,954	7,955	3
	7,894	7,895	3
	7,877	7,878	3
	7,854	7,855	3
	7,826	7,827	3

Stage 6

Date	From	To	Shots
05/18/2011	7,777	7,778	3
	7,738	7,739	3
	7,712	7,713	3
	7,657	7,658	3
	7,648	7,649	3
	7,629	7,630	3
	7,554	7,555	3
	7,537	7,538	3
	7,522	7,523	3
	7,480	7,481	3

Stage 7

Date	From	To	Shots
05/19/2011	7,428	7,429	3
	7,407	7,408	3
	7,400	7,401	3
	7,345	7,346	3
	7,334	7,335	3
	7,314	7,315	3
	7,280	7,281	3
	7,246	7,247	3
	7,227	7,228	3
	7,186	7,187	3

Stage 8

Date	From	To	Shots
05/23/2011	7,163	7,164	3
	7,150	7,151	3
	7,142	7,143	3
	7,107	7,108	3
	7,096	7,097	3
	7,012	7,013	3
	7,005	7,006	3
	6,980	6,981	3
	6,962	6,963	3
	6,938	6,939	3

Stage 9

Date	From	To	Shots
05/25/2011	6,837	6,838	3
	6,815	6,816	3
	6,807	6,808	3
	6,794	6,795	3
	6,737	6,738	3
	6,680	6,681	3
	6,669	6,670	3
	6,651	6,652	3
	6,613	6,614	3
	6,571	6,572	3

Frac Summary

Stage 1 : 8,995 - 9,231, 4830 bbls of Slickwater Report Date: 05/11/2011
Stage 2 : 8,705 - 8,970, 11880 bbls of Slickwater Report Date: 05/12/2011
Stage 3 : 8,418 - 8,638, 9930 bbls of Slickwater Report Date: 05/13/2011
Stage 4 : 8,125 - 8,385, 14574 bbls of Slickwater Report Date: 05/16/2011
Stage 5 : 7,826 - 8,069, 20479 bbls of Slickwater Report Date: 05/18/2011
Stage 6 : 7,480 - 7,778, 25389 bbls of Slickwater Report Date: 05/19/2011
Stage 7 : 7,186 - 7,429, 7992 bbls of Slickwater Report Date: 05/20/2011
Stage 8 : 6,938 - 7,164, 16980 bbls of Slickwater Report Date: 05/25/2011
Stage 9 : 6,571 - 6,838, 21330 bbls of Slickwater Report Date: 05/26/2011
Stage 10 : 6,291 - 6,523, 15631 bbls of Slickwater Report Date: 05/27/2011
Stage 11 : 5,981 - 6,263, 33481 bbls of Slickwater Report Date: 06/01/2011

Comments

261 jts. 2 3/8" L80 4.7# Columbian tbg.