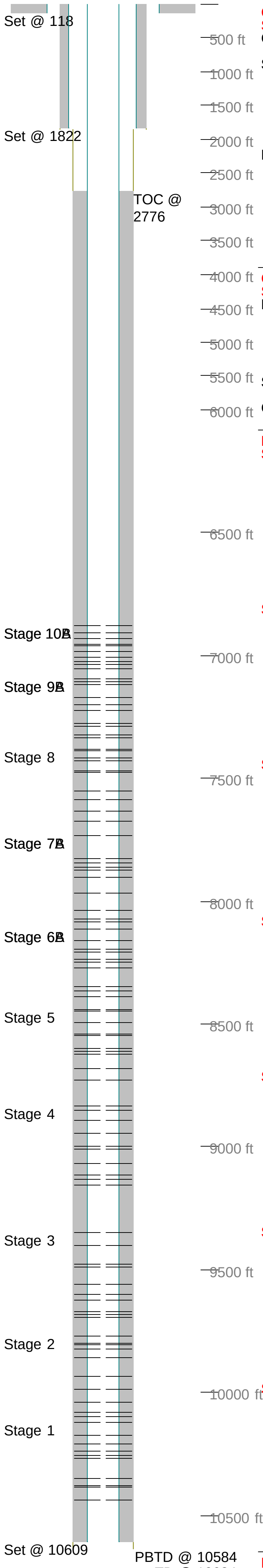
Downhole Schematic for N Parachute EF08D-34 P27 595

Project : North Piceance | API # : 05045202820000 | Surface Location : SESE Sec 27 T5S - R95W 6th PM

Area : N Parachute | County : | BHL : SENE-34-5S-95 W 6th PM

As Of : | GL : 6650.0 ft | KB to GL : 22.5 ft | KB : 6672.5 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	0	118	120			Line Pipe
Surface	12.250	9.625	0	1,822	2	LT&C	J-55	Shoe
		9.625	36	1,821	44	LT&C	J-55	Casing
		9.625	0	1,777	2	LT&C	J-55	Float Collar
		9.625	36	1,775	1,747	LT&C	J-55	Casing
		9.625	36	29	5	LT&C	J-55	Well Head pup jt
		9.625	36	24	27	Butt	J-55	Landing Jt
Production	8.750	5	0	10,609	2	Butt		Shoe
		4.5	11.6	10,608	22	Butt	S-80	Shoe Jt
		5	0	10,586	2	Butt		Float Collar
		4.5	11.6	10,584	1,486	Butt	S-80	Casing
		4.5	11.6	9,099	22	Butt	S-80	Marker Jt
		4.5	11.6	9,077	2,282	Butt	S-80	Casing
		4.5	11.6	6,794	22	Butt	S-80	Marker Jt
		4.5	11.6	6,772	6,776	Butt	S-80	Casing

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Production	Lead	2,776	12.5	12.5 Poz/G Lead / +5.0% D044+2.0%D079+0.5%D182+1.2%D013+0.2%D046+.0250lb/skD029
	Tail	5,779	12.5	13.0 Poz/A / +35%D178+5.0%D044+3.0%D020+0.5%D182+0.75%D112+0.4%D201+0.2%D065+0.2%D046+0.250lb/skD0298
Surface	Lead	0	12.5	12.5 #-Class "G / +2.0%D079+0.2%D046+0.25lb/skD029
	Tail	1,281	14.0	14.0# Class G / +1.0%D079+0.2%D046+0.25lb/sk D029
Conductor	Fill	0	13.0	Control Set C / 2 lb/sk PS Flake
	Lead	60	13.0	Control Set C / 2 lb/sk PS Flake

Perforations

Stage 1

Date	From	To	Shots
03/13/2012	10,437	10,438	3
	10,384	10,385	3
	10,379	10,380	3
	10,348	10,349	3
	10,270	10,271	3
	10,259	10,260	3
	10,241	10,242	3
	10,207	10,208	3
	10,172	10,173	3
	10,122	10,123	3

Stage 10A

Date	From	To	Shots
05/03/2012	7,054	7,055	3
	7,039	7,040	3
	7,023	7,024	3
	7,009	7,010	3
	6,986	6,987	3
	6,963	6,964	3
	6,953	6,954	3
	6,930	6,931	3
	6,908	6,909	3
	6,876	6,877	3

Stage 10B

Date	From	To	Shots
05/09/2012	7,054	7,055	3
	7,039	7,040	3
	7,023	7,024	3
	7,009	7,010	3
	6,986	6,987	3
	6,963	6,964	3
	6,953	6,954	3
	6,930	6,931	3
	6,908	6,909	3
	6,876	6,877	3

Stage 2

Date	From	To	Shots
03/21/2012	10,098	10,099	3
	10,078	10,079	3
	10,040	10,041	3
	9,985	9,986	3
	9,933	9,934	3
	9,856	9,857	3
	9,822	9,823	3
	9,806	9,807	3
	9,797	9,798	3
	9,771	9,772	3

Stage 3

Date	From	To	Shots
04/02/2012	9,695	9,696	3
	9,684	9,685	3
	9,671	9,672	3
	9,622	9,623	3
	9,603	9,604	3
	9,562	9,563	3
	9,487	9,488	3
	9,478	9,479	3
	9,403	9,404	3
	9,350	9,351	3

Stage 4

Date	From	To	Shots
04/09/2012	9,153	9,154	3
	9,130	9,131	3
	9,117	9,118	3
	9,065	9,066	3
	9,012	9,013	3
	8,998	8,999	3
	8,942	8,943	3
	8,895	8,896	3
	8,849	8,850	3
	8,835	8,836	3

Stage 5

Date	From	To	Shots
04/13/2012	8,728	8,729	3
	8,684	8,685	3
	8,623	8,624	3
	8,612	8,613	3
	8,598	8,599	3
	8,545	8,546	3
	8,539	8,540	3
	8,492	8,493	3
	8,448	8,449	3
	8,440	8,441	3

Stage 6A

Date	From	To	Shots
04/16/2012	8,390	8,391	3
	8,363	8,364	3
	8,347	8,348	3
	8,271	8,272	3
	8,250	8,251	3
	8,239	8,240	3
	8,208	8,209	3
	8,193	8,194	3
	8,160	8,161	3
	8,114	8,115	3

Stage 6B

Date	From	To	Shots
04/18/2012	8,390	8,391	3
	8,363	8,364	3
	8,347	8,348	3
	8,271	8,272	3
	8,250	8,251	3
	8,239	8,240	3
	8,208	8,209	3
	8,193	8,194	3
	8,160	8,161	3
	8,114	8,115	3

Stage 7A

Date	From	To	Shots
04/17/2012	8,086	8,087	3
	8,071	8,072	3
	8,038	8,039	3
	7,969	7,970	3
	7,900	7,901	3
	7,873	7,874	3
	7,861	7,862	3
	7,843	7,844	3
	7,824	7,825	3
	7,733	7,734	3

Stage 7B

Date	From	To	Shots
04/25/2012	8,086	8,087	3
	8,071	8,072	3
	8,038	8,039	3
	7,969	7,970	3
	7,900	7,901	3
	7,873	7,874	3
	7,861	7,862	3
	7,843	7,844	3
	7,824	7,825	3
	7,733	7,734	3

Stage 8

Date	From	To	Shots
04/25/2012	7,677	7,678	3
	7,633	7,634	3
	7,587	7,588	3
	7,550	7,551	3
	7,477	7,478	3
	7,467	7,468	3
	7,430	7,431	3
	7,418	7,419	3
	7,387	7,388	3
	7,379	7,380	3

Stage 9A

Date	From	To	Shots
04/26/2012	7,334	7,335	3
	7,325	7,326	3
	7,288	7,289	3
	7,278	7,279	3
	7,225	7,226	3
	7,203	7,204	3
	7,171	7,172	3
	7,118	7,119	3
	7,104	7,105	3
	7,094	7,095	3

Stage 9B

Date	From	To	Shots
05/02/2012	7,334	7,335	3
	7,325	7,326	3
	7,288	7,289	3
	7,278	7,279	3
	7,225	7,226	3
	7,203	7,204	3
	7,171	7,172	3
	7,118	7,119	3
	7,104	7,105	3
	7,094	7,095	3

Frac Summary

Stage 1 : 10,122 - 10,438, 30 - 0.420" shots, 11343 bbls of Slickwater Report Date: 03/21/2012
Stage 2 : 9,771 - 10,099, 30 - 0.420" shots, 13036 bbls of Slickwater Report Date: 04/02/2012
Stage 3 : 9,350 - 9,696, 30 - 0.420" shots, 14545 bbls of Slickwater Report Date: 04/09/2012
Stage 4 : 8,835 - 9,154, 30 - 0.420" shots, 23118 bbls of Slickwater Report Date: 04/12/2012
Stage 5 : 8,440 - 8,729, 30 - 0.420" shots, 19723 bbls of Slickwater Report Date: 04/16/2012
Stage 6A : 8,114 - 8,391, 30 - 0.420" shots, 6874 bbls of Slickwater Report Date: 04/17/2012
Stage 6B : 8,114 - 8,391, 30 - 0.420" shots, 16473 bbls of Slickwater Report Date: 04/18/2012
Stage 7B : 7,733 - 8,087, 30 - 0.420" shots, 10123 bbls of Slickwater Report Date: 04/25/2012
Stage 7A : 7,733 - 8,087, 30 - 0.420" shots, 4480 bbls of Slickwater Report Date: 04/24/2012
Stage 8 : 7,379 - 7,678, 30 - 0.420" shots, 14723 bbls of Slickwater Report Date: 04/27/2012
Stage 9A : 7,094 - 7,335, 30 - 0.420" shots, 15890 bbls of Slickwater Report Date: 05/02/2012
Stage 9B : 7,094 - 7,335, 30 - 0.420" shots, 5330 bbls of Slickwater Report Date: 05/03/2012
Stage 10A : 6,876 - 7,055, 30 - 0.420" shots, 31009 bbls of Slickwater Report Date: 05/08/2012