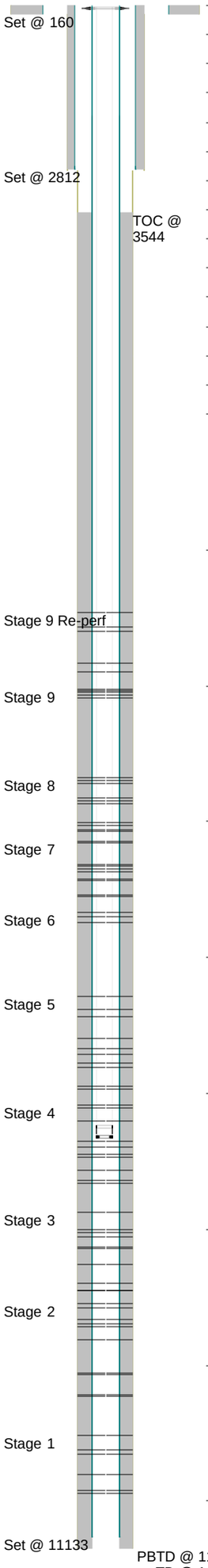
Downhole Schematic for N PARACHUTE EF12B-20 C29 595

Project : North Piceance | API # : 05045155520000 | Surface Location : NENW Sec 29 T5S - R95W 6th P

Area : N Parachute | County : | BHL : NWSW-20-5S-95 W 6th PM

As Of : 11/12/2010 | GL : 7011.0 ft | KB to GL : 22.0 ft | KB : 7033.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	30.000		0	160	168			line pipe
Surface	12.250	9.625	0	2,812	1	LT&C		Float Shoe
		9.625	36	2,811	44	LT&C	H-40	Casing
		9.625	0	2,767	1	LT&C		Float Collar
		9.625	36	2,765	2,770	LT&C	H-40	Casing
Production	8.750	4.5	0	11,133	1	LT&C		Float Shoe
		4.5	11.6	11,132	14	LT&C	N-80	Marker A
		4.5	0	11,118	1	LT&C		Float Collar
		4.5	11.6	11,116	1,490	LT&C	Seah-80	Casing
		4.5	11.6	9,626	14	LT&C	N-80	Marker B
		4.5	11.6	9,612	2,214	LT&C	Seah-80	Casing
		4.5	11.6	7,398	14	LT&C	N-80	Marker C
		4.5	11.6	7,384	5,467	LT&C	Seah-80	Casing
		4.5	11.6	1,917	23	Butt	I-100	X-O
		4.5	11.6	1,895	1,868	Butt	N-80	Casing
		4.5	11.6	27	5	Butt	I-100	Mandrel
		4.5	11.6	22	29	Butt	I-100	Landing Joint

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Lead	0	13.0	CSC / 2%lb/sk
Surface	Lead	0	12.5	G / G + 0.2% D046 + 2% D079 +0.25#/sk D029
	Tail	2,356	14.0	G / G + 1% D079 + 0.2% D046 +0.25#/sk D029
Production	Lead	3,544	11.0	TXI / TXI+7.0% D020+1.0%D079+0.8%D013+.2%D112+0.2%D046+.25lbs/skD029+75 lbs/skD049
	Tail	5,999	13.0	TXI / 35%D66+1%D79+0.625%D112+0.9%D13+0.2%D46+0.25ppsD29+75lb/skD049

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 Cameron Tbg Hanger
2.375	9,596.00	9,618.80	302 Jts 2 3/8 L80 4.7# Usa tbg
2.375	1.10	9,619.90	2 3/8 Flag Nipple
2.375	32.90	9,652.80	1JT 2 3/8 L80 4.7# USA Tbg
2.375	1.10	9,653.90	2 3/8 Seat Nipple
2.375	10.10	9,664.00	10FT 2 3/8 L80 Pup Jt

Perforations

Stage 1

Date	From	To	Shots
04/15/2009	10,972	10,973	3
	10,960	10,961	3
	10,902	10,903	3
	10,828	10,829	3
	10,812	10,813	3
	10,756	10,757	3

Stage 2

Date	From	To	Shots
04/20/2009	10,615	10,616	3
	10,610	10,611	3
	10,536	10,537	3
	10,530	10,531	3
	10,407	10,408	3
	10,360	10,361	3
	10,350	10,351	3
	10,330	10,331	3
	10,288	10,289	3
	10,276	10,277	3

Stage 3

Date	From	To	Shots
04/20/2009	10,228	10,229	3
	10,224	10,225	3
	10,197	10,198	3
	10,132	10,133	3
	10,072	10,073	3
	10,066	10,067	3
	10,027	10,028	3
	10,014	10,015	3
	10,003	10,004	3
	9,940	9,941	3

Stage 4

Date	From	To	Shots
04/21/2009	9,832	9,833	3
	9,822	9,823	3
	9,783	9,784	3
	9,734	9,735	3
	9,722	9,723	3
	9,696	9,697	3
	9,674	9,675	3
	9,600	9,601	3
	9,556	9,557	3
	9,544	9,545	3

Stage 5

Date	From	To	Shots
04/21/2009	9,484	9,485	3
	9,472	9,473	3
	9,403	9,404	3
	9,386	9,387	3
	9,354	9,355	3
	9,335	9,336	3
	9,298	9,299	3
	9,220	9,221	3
	9,190	9,191	3
	9,144	9,145	3

Stage 6

Date	From	To	Shots
04/21/2009	8,870	8,871	3
	8,852	8,853	3
	8,832	8,833	3

Stage 7

Date	From	To	Shots
06/26/2009	8,775	8,776	3
	8,768	8,769	3
	8,717	8,718	3
	8,710	8,711	3
	8,684	8,685	3
	8,675	8,676	3
	8,666	8,667	3
	8,660	8,661	3
	8,578	8,579	3
	8,573	8,574	3

Stage 8

Date	From	To	Shots
06/29/2009	8,536	8,537	3
	8,530	8,531	3
	8,516	8,517	3
	8,504	8,505	3
	8,434	8,435	3
	8,426	8,427	3
	8,415	8,416	3
	8,358	8,359	3
	8,351	8,352	3
	8,336	8,337	3

Stage 9

Date	From	To	Shots
07/02/2009	8,043	8,044	3
	8,036	8,037	3
	8,026	8,027	3
	8,020	8,021	3
	8,012	8,013	3

Stage 9 Re-perf

Date	From	To	Shots
07/30/2009	7,951	7,953	12
	7,916	7,918	12
	7,801	7,803	12
	7,782	7,784	12
	7,732	7,734	12

Frac Summary

Stage 1 : 10,756 - 10,973, 18 - 0.420" shots, 4788 bbls of Slickwater, 30000 lbs of 40-70 Sand Report Date: 04/20/2009

Stage 2 : 10,276 - 10,616, 30 - 0.420" shots, 6144 bbls of Slickwater, 41000 lbs of 40-70 Sand Report Date: 04/20/2009

Stage 3 : 9,940 - 10,229, 30 - 0.420" shots, 4950 bbls of Slickwater, 30000 lbs of 40-70 Sand Report Date: 04/21/2009

Stage 4 : 9,544 - 9,833, 30 - 0.420" shots, 6275 bbls of Slickwater, 40000 lbs of 40-70 Sand Report Date: 04/21/2009

Stage 5 : 9,144 - 9,485, 30 - 0.420" shots, 11970 bbls of Slickwater, 81100 lbs of 40-70 Sand Report Date: 04/21/2009

Stage 6 : 8,832 - 8,871, 9 - 0.420" shots, 4794 bbls of Slickwater, 34000 lbs of 40-70 Sand Report Date: 04/24/2009

Stage 7 : 8,573 - 8,776, 9 - 0.420" shots, 6532 bbls of Slickwater, 43000 lbs of 40-70 Sand Report Date: 06/29/2009

Stage 8 : 8,336 - 8,537, 9 - 0.420" shots, 6596 bbls of Slickwater, 44000 lbs of 40-70 Sand Report Date: 06/30/2009

Stage 9 : 8,012 - 8,044, 9 - 0.420" shots, 2895 bbls of Slickwater, 17600 lbs of 40-70 Sand Report Date: 07/03/2009

Stage 9 Re-perf : No Frac

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
8,180.0	06/30/2009	CIBP	0

CIBP at 8,180.0 drilled out 11/02/2010

Comments