

Downhole Schematic for N Parachute MF18A-4 N04 696



Project : North Piceance

API # : 05045178620000

Surface Location : NESW Sec 4 T6S - R96W 6th PM

Area : N Parachute

County :

BHL : SWSE-4-6S-96 W 6th PM

As Of : 11/09/2009

GL : 5866.0 ft

KB to GL : 22.0 ft

KB : 5888.0 ft

Set @	Casing Details Section	Hole Conductor	Casing	Mass	Set At	Length	Thread	Grade	Description
120	Surface	26.000	16.00	0	120	120			Line Pipe
	Surface	12.250	9.625	36	1,525	2	LT&C	k-55	Float Shoe
			9.625	36	1,523	39	LT&C	K-55	Casing Joint
			9.625	36	1,484	2	LT&C	K-55	Float Collar
			9.625	36	1,483	1,456	LT&C	K-55	Casing Joints
			9.625	36	26	3	LT&C	K-55	PuP & Csg. Head
			9.625	36	23	23	LT&C	K-55	Landing Joint
1525	Production	8.750	5.5	0	8,403	2	LT&C	P-110	Guide Shoe
			5.5	17	8,402	18	LT&C	P-110	Casing
			5.5	0	8,383	2	LT&C	P-110	Float Collar
			5.5	17	8,382	1,469	LT&C	P-110	Casing
			5.5	17	6,913	18	LT&C	P-110	Casing / Marker Jt.
			5.5	17	6,895	2,144	LT&C	P-110	Casing
			5.5	17	4,751	18	LT&C	P-110	Casing / Marker Jt.
			5.5	17	4,733	4,716	LT&C	P-110	Casing
			5.5	17	17	18	LT&C	P-110	Casing/ short Jt.
	Cement Details Section	Sequence	Top	Density	Blend / Additives				
	Production	Lead	1,325	12.5	75/25 POZ/G / 55D044+0.2%D046+2%D079+0.85%D013+0.25lb/sk D029				
		Tail	3,370	13.0	85/15 POZ/A / 5%D044+3%D020+0.2%D046+35%D178+0.65%D201+.025lb/skC029				
	Surface	Lead	0	12.5	N. Parachute Surf Lead / G+2%Do79+.2%D46 +.25ppsD29				
		Lead	1,016	14.0	N.Parachute Surf Tail / G+ 1%D079+.2%D46 +.25pps D29				
	Tubing and Downhole Equipment								
	O.D.	Length	Depth	Description					
	0.000	22.00	22.00	K.B.					
	0.000	0.85	23.48	SPLIT TBG. HANGER (L.S.) & XO					
	2.063	6,802.50	6,825.98	221 JTS. 2-1/16" HUNTING TS HP					
	2.063	0.81	6,826.79	1.625" "X" NIPPLE					
	2.063	31.35	6,858.14	1 JT. 2-1/16" HUNTING TBG.					
	3.930	0.99	6,859.13	2-1/16" X 3-1/2" VAM B X B					
	4.560	4.17	6,863.33	BAKER "S-3" PACKER					
	4.500	0.82	6,864.12	3-1/2" B X 2-1/16" PIN					
	2.063	12.14	6,876.26	2-1/16" HUNTING PUP JTS.					
	2.063	947.45	7,823.71	31 JTS. 2-1/16" HUNTING TBG.					
	2.340	1.73	7,825.44	XO W/1.625" "XN" NIPPLE					
	2.063	32.60	7,858.04	1 JT. 2-1/16" HUNTING TBG.					
	2.320	0.49	7,858.53	W/L ENTRY GUIDE					
	Perforations								
	Stage 1			Stage 4			Stage 5		
	Date	From	To	Shots	Date	From	To	Shots	
		8,227	8,228	5	10/05/2009	7,337	7,338	5	
		8,220	8,221	5		7,334	7,335	5	
		8,203	8,204	5		7,318	7,319	5	
		8,183	8,184	5		7,280	7,281	5	
		8,167	8,168	5		7,272	7,273	5	
		8,164	8,165	5		7,243	7,244	5	
		8,033	8,034	5		7,194	7,195	5	
		8,030	8,031	5		7,186	7,187	5	
		8,025	8,026	5		7,176	7,177	5	
	Stage 10			Stage 5			Stage 6		
	Date	From	To	Shots	Date	From	To	Shots	
	10/10/2009	5,587	5,588	5	10/06/2009	7,148	7,149	5	
		5,584	5,585	5		7,104	7,105	5	
		5,533	5,534	5		7,030	7,031	5	
		5,520	5,521	5		7,024	7,025	5	
		5,510	5,511	5		7,016	7,017	5	
		5,474	5,475	5		6,996	6,997	5	
		5,470	5,471	5		6,954	6,955	5	
		5,383	5,384	5		6,939	6,940	5	
		5,375	5,376	5		6,923	6,924	5	
	Stage 11			Stage 6			Stage 7		
	Date	From	To	Shots	Date	From	To	Shots	
	10/12/2009	5,288	5,289	5	10/07/2009	6,776	6,777	5	
		5,281	5,282	5		6,764	6,765	5	
		5,266	5,267	5		6,736	6,737	5	
		5,259	5,260	5		6,728	6,729	5	
		5,250	5,251	5		6,650	6,651	5	
		5,199	5,200	5		6,630	6,631	5	
		5,190	5,191	5		6,612	6,613	5	
		5,178	5,179	5		6,582	6,583	5	
		5,140	5,141	5		6,554	6,555	5	
	Stage 12			Stage 7			Stage 8		
	Date	From	To	Shots	Date	From	To	Shots	
	10/13/2009	5,087	5,088	5	10/08/2009	6,456	6,457	5	
		5,076	5,077	5		6,448	6,449	5	
		5,060	5,061	5		6,370	6,371	5	
		4,970	4,971	5		6,360	6,361	5	
		4,962	4,963	5		6,342	6,343	5	
		4,950	4,951	5		6,307	6,308	5	
		4,932	4,933	5		6,296	6,297	5	
		4,912	4,913	5		6,242	6,243	5	
		4,906	4,907	5		6,230	6,231	5	
	Stage 2			Stage 8			Stage 9		
	Date	From	To	Shots	Date	From	To	Shots	
	10/03/2009	7,934	7,935	5	10/09/2009	6,088	6,089	5	
		7,918	7,920	5		6,078	6,079	5	
		7,873	7,874	5		6,072	6,073	5	
		7,846	7,847	5		6,016	6,017	5	
		7,820	7,821	5		6,012	6,013	5	
		7,805	7,806	5		5,990	5,991	5	
		7,716	7,717	5		5,986	5,987	5	
		7,708	7,709	5		5,922	5,923	5	
		7,670	7,671	5		5,890	5,891	5	
	Stage 3			Stage 9			Stage 10		
	Date	From	To	Shots	Date	From	To	Shots	
	10/05/2009	7,600	7,601	5	10/10/2009	5,848	5,949	5	
		7,598	7,599	5		5,853	5,854	5	
		7,567	7,568	5		5,828	5,829	5	
		7,564	7,565	5		5,824	5,825	5	
		7,518	7,519	5		5,784	5,785	5	
		7,500	7,501	5		5,775	5,776	5	
		7,470	7,471	5		5,738	5,739	5	
		7,462	7,463	5		5,650	5,651	5	
		7,410	7,411	5		5,638	5,639	5	

Frac Summary
 Stage 1 : 8,025 - 8,228, 45 - 0.460" shots, 2714 bbls of Slickwater, 13000 lbs of 30-50 Sand Report Date: 10/03/2009
 Stage 2 : 7,670 - 7,935, 45 - 0.460" shots, 10688 bbls of Slickwater, 55000 lbs of 30-50 Sand Report Date: 10/05/2009
 Stage 3 : 7,410 - 7,601, 45 - 0.460" shots, 6759 bbls of Slickwater, 35000 lbs of 30-50 Sand Report Date: 10/05/2009
 Stage 4 : 7,176 - 7,338, 45 - 0.460" shots, 6227 bbls of Slickwater, 31000 lbs of 30-50 Sand Report Date: 10/06/2009
 Stage 5 : 6,923 - 7,149, 45 - 0.460" shots, 6340 bbls of Slickwater, 32000 lbs of 20-40 Sand Report Date: 10/07/2009
 Stage 6 : 6,554 - 6,777, 45 - 0.460" shots, 13405 bbls of Slickwater, 69000 lbs of 20-40 Sand Report Date: 10/08/2009
 Stage 7 : 6,230 - 6,457, 45 - 0.460" shots, 13211 bbls of Slickwater, 68000 lbs of 20-40 Sand Report Date: 10/09/2009
 Stage 8 : 5,890 - 6,088, 45 - 0.460" shots, 13211 bbls of Slickwater, 68000 lbs of 20-40 Sand Report Date: 10/09/2009
 Stage 9 : 5,638 - 5,848, 45 - 0.460" shots, 13211 bbls of Slickwater, 68000 lbs of 20-40 Sand Report Date: 10/10/2009