

# Downhole Schematic for N Parachute MF10A E09 696



Project :North Piceance

API # :05045149920000

Surface Location :

Area : N Parachute

County :

BHL :

As Of : 04/22/2011

GL : ft

KB to GL : 32.0 ft

KB : ft

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
<b>Casing Details</b>								
Conductor	26.000	16	0	150	150		Line	.375 wall line pipe
Surface	12.250	9.625	0	1,526	1	LT&C	K-55	Float Shoe
		9.625	36	1,525	44	LT&C	J-55	Casing
		9.625	0	1,481	1	LT&C	K-55	Float Collar
		9.625	36	1,480	1,443	LT&C	J-55	Casing
		9.625	36	37	5	LT&C	J-55	Well Head & Pup
		9.625	36	32	37	LT&C	J-55	Landing Jt.
Production	8.750	4.5	0	8,945	1	Butt	L-80	Float Shoe
		4.5	11.6	8,944	23	Butt	M-80	Casing
		4.5	0	8,921	1	Butt	L-80	Float Collar
		4.5	11.6	8,920	1,466	Butt	M-80	Casing
		4.5	11.6	7,454	23	Butt	M-80	Marker Jt.
		4.5	11.6	7,432	2,430	Butt	M-80	Casing
		4.5	11.6	5,002	23	Butt	M-80	Marker Jt.
		4.5	11.6	4,979	4,985	Butt	M-80	Casing
<b>Cement Details</b>								
Surface	Sequence	Top	Density	Blend / Additives				
	Lead	0	12.5	Poz/G Lead / D907				
	Tail	1,022	14.0	G N Parachute Surf Tail / D907				
Production	Scavenger	0	8.3	CW7 / 20 bbl				
	Scavenger	0	12.0	MUDPUSH II / 30 bbl				
	Lead	1,654	12.5	Poz/G NPR Lead / 5% D044, 24 #/sx D907, 54 #/sx D035, 2% D079, 0.5% D182, 1.3% D013, 0.2% D046, 0.25#/sx D029				
	Tail	3,956	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 + 11lb/sx D035-CF				
Conductor	Lead	0	13.0	Control C / N/A				
<b>Tubing and Downhole Equipment</b>								
O.D.	Length	Depth	Description					
0.000	22.00	22.00	KB					
7.063	0.80	22.80	7 1/16" Woodgroup					
3.063	6,284.10	6,306.90	191 jts. 2 3/8" L80 4.7# Korean tbg.					
3.063	1.10	6,308.00	2 3/8" flag nipple					
3.063	32.90	6,340.90	1jt. 2 3/8" L80 4.7# Korean tbg.					
3.063	1.10	6,342.00	2 3/8" Seating nipple					
3.063	10.10	6,352.10	2 3/8" L80 pup jt.					
<b>Perforations</b>								
Stage 1	Date	From	To	Shots				
	03/03/2011	8,767	8,768	3	7,885	7,886	3	
		8,745	8,746	3	7,864	7,865	3	
		8,717	8,718	3	7,855	7,856	3	
		8,688	8,689	3	7,814	7,815	3	
		8,648	8,649	3	7,770	7,771	3	
		8,620	8,621	3	7,760	7,761	3	
Stage 5	Date	From	To	Shots				
	03/14/2011	8,604	8,605	3	7,714	7,715	3	
		8,588	8,589	3	7,707	7,708	3	
		8,567	8,568	3	7,687	7,688	3	
		8,515	8,516	3	7,638	7,639	3	
					7,612	7,613	3	
Stage 10	Date	From	To	Shots				
	03/18/2011	6,195	6,196	3	7,608	7,609	3	
		6,122	6,123	3	7,541	7,542	3	
		6,073	6,074	3	7,514	7,515	3	
		6,040	6,041	3	7,470	7,471	3	
		6,007	6,008	3	7,443	7,444	3	
		5,978	5,979	3				
Stage 6	Date	From	To	Shots				
	03/15/2011	5,969	5,970	3	7,405	7,406	3	
		5,900	5,901	3	7,369	7,370	3	
		5,878	5,879	3	7,335	7,336	3	
		5,845	5,846	3	7,289	7,290	3	
					7,253	7,254	3	
					7,241	7,242	3	
Stage 11	Date	From	To	Shots				
	03/21/2011	5,727	5,728	3	7,205	7,206	3	
		5,697	5,698	3	7,190	7,191	3	
		5,674	5,675	3	7,154	7,155	3	
		5,618	5,619	3	7,128	7,129	3	
		5,585	5,586	3				
		5,555	5,556	3				
		5,512	5,513	3				
		5,462	5,463	3				
		5,433	5,434	3				
		5,365	5,366	3				
Stage 2	Date	From	To	Shots				
	03/09/2011	8,487	8,488	3	6,995	6,996	3	
		8,466	8,467	3	6,950	6,951	3	
		8,449	8,450	3	6,905	6,906	3	
		8,420	8,421	3	6,893	6,894	3	
		8,405	8,406	3	6,862	6,863	3	
		8,388	8,389	3	6,846	6,847	3	
		8,363	8,364	3	6,831	6,832	3	
		8,324	8,325	3				
		8,312	8,313	3				
		8,286	8,287	3				
Stage 8	Date	From	To	Shots				
	03/17/2011	6,795	6,796	3	6,795	6,796	3	
		6,780	6,781	3	6,780	6,781	3	
		6,763	6,764	3	6,763	6,764	3	
		6,738	6,739	3	6,738	6,739	3	
		6,704	6,705	3	6,704	6,705	3	
		6,656	6,657	3	6,656	6,657	3	
		6,606	6,607	3	6,606	6,607	3	
		6,586	6,587	3	6,586	6,587	3	
		6,570	6,571	3	6,570	6,571	3	
		6,554	6,555	3	6,554	6,555	3	
Stage 4	Date	From	To	Shots				
	03/10/2011	8,239	8,240	3	6,518	6,519	3	
		8,222	8,223	3	6,500	6,501	3	
		8,212	8,213	3	6,474	6,475	3	
		8,192	8,193	3	6,427	6,428	3	
		8,168	8,169	3	6,394	6,395	3	
		8,130	8,131	3	6,345	6,346	3	
		8,121	8,122	3	6,334	6,335	3	
		8,088	8,089	3	6,288	6,289	3	
		8,028	8,029	3	6,265	6,266	3	
		8,014	8,015	3	6,230	6,231	3	
Stage 3	Date	From	To	Shots				
	03/11/2011	7,965	7,966	3				
		7,944	7,945	3				
		7,924	7,925	3				
		7,901	7,902	3				
<b>Frac Summary</b>								
Stage 1	: 8,515 - 8,768, 30 - 0.420" shots, 19869 bbls of SLICKWATER Report Date: 03/08/2011							
Stage 2	: 8,286 - 8,488, 30 - 0.420" shots, 12825 bbls of SLICKWATER Report Date: 03/09/2011							
Stage 3	: 8,014 - 8,240, 30 - 0.420" shots, 15113 bbls of SLICKWATER Report Date: 03/09/2011							
Stage 4	: 7,760 - 7,966, 30 - 0.420" shots, 14356 bbls of SLICKWATER Report Date: 03/11/2011							
Stage 5	: 7,443 - 7,715, 30 - 0.420" shots, 22381 bbls of SLICKWATER Report Date: 03/14/2011							
Stage 6	: 7,128 - 7,406, 30 - 0.420" shots, 22376 bbls of SLICKWATER Report Date: 03/15/2011							
Stage 7	: 6,831 - 7,059, 30 - 0.420" shots, 21905 bbls of SLICKWATER Report Date: 03/16/2011							
Stage 8	: 6,554 - 6,796, 30 - 0.420" shots, 15810 bbls of SLICKWATER Report Date: 03/17/2011							
Stage 9	: 6,230 - 6,519, 30 - 0.420" shots, 17143 bbls of SLICKWATER Report Date: 03/18/2011							
Stage 10	: 5,845 - 6,196, 30 - 0.420" shots, 28668 bbls of SLICKWATER Report Date: 03/21/2011							
Stage 11	: 5,365 - 5,728, 30 - 0.420" shots, 24000 bbls of SLICKWATER Report Date: 03/22/2011							
<b>Comments</b>	192 jts. 2 3/8" L80 4.7# Korean Seah tbg.							