

# Downhole Schematic for N Parachute MF13D-31 C04 696



Project :North Piceance

API # :05045157670000

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

Area : N Parachute

County :

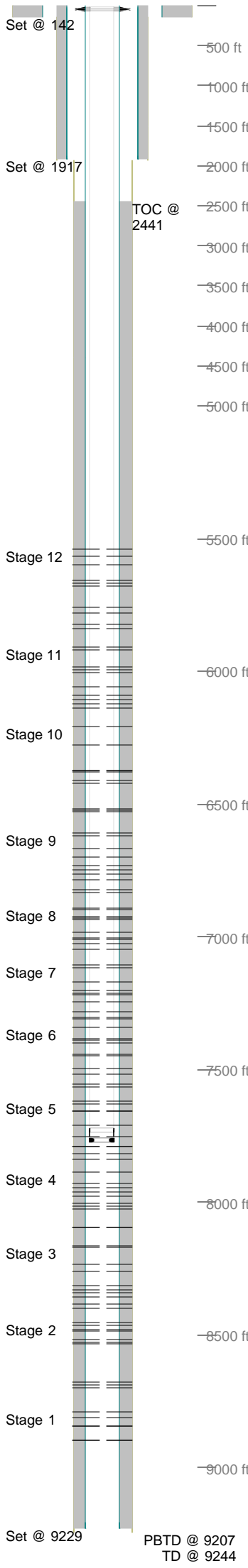
BHL : SWSW-31-5S-95 W 6th PM

As Of : 06/02/2011

GL : 5816.0 ft

KB to GL : 22.0 ft

KB : 5838.0 ft



Casing Details									
Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
Conductor	24.000	16	54	142	142			Conductor	
Surface	12.250	9.625	0	1,917	2	LT&C		Float Shoe	
			36	1,915	39	LT&C	J55	Shoe Joint	
			0	1,877	2	LT&C		Float Collar	
		9.625	36	1,875	1,845	LT&C	J55	Casing	
		15.25	0	30	6	LT&C		Wellhead Ass.	
		9.625	36	24	28	LT&C	J55	Landing Joint	
Production	7.875	5.5	11.6	9,229	2	Butt	L-80	FLOAT SHOE	
		4.5	11.6	9,228	19	Butt	N-80	CASING JT.	
		5.5	11.6	9,208	2	Butt	L-80	FLOAT COLLAR	
		4.5	11.6	9,207	9,210	Butt	N-80	CASING JTS.	

Cement Details					
Section	Sequence	Top	Density	Blend / Additives	
Conductor	Lead	0	0.0	G /	
Surface	Lead	0	12.5	Class G / + 0.2% D046 + 2% D079 + 0.25#/sk D029	
	Tail	1,500	14.0	Class G / + 1% D079 + 0.2% D046 + 0.25#/sk D029	
Production	Lead	2,441	12.5	75/25 POZ/G / 5% BWOW D44 + .2% D046 + .25# D29 + 2% DO79 + .75% D13	
	Tail	4,400	13.0	15/85 POZ/A / 35% BWOW D178 + 5% D44 + 3% D20 + .75% D112 + .6% D201 + .3% D65 + .2% D46 + .25 PPS D29	

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	
3.063	7,699.65	7,722.45	238 jts. 2 3/8" L80 4.7# Korean tbq.	
3.063	1.10	7,723.55	2 3/8" flag nipple	
3.063	32.91	7,756.46	1 jt. 2 3/8" L80 4.7# Korean tbq.	
3.063	1.10	7,757.56	2 3/8" Seating nipple	
3.063	10.10	7,767.66	2 3/8" L80 pup jt.	

Perforations									
Stage	Date	From	To	Shots					
Stage 1	09/30/2009	8,895	8,896	3	05/27/2011	8,097	8,098	3	
		8,894	8,895	3		8,092	8,093	3	
		8,845	8,846	3		8,024	8,025	3	
		8,844	8,845	3		8,015	8,016	3	
		8,811	8,812	3		8,002	8,003	3	
		8,787	8,788	3		7,979	7,980	3	
						7,963	7,964	3	
						7,946	7,947	3	
Stage 10	05/29/2011	6,527	6,528	3	Stage 5	7,887	7,888	3	
		6,522	6,523	3					
		6,518	6,519	3	Stage 5	7,840	7,841	3	
		6,420	6,421	3		7,815	7,816	3	
		6,413	6,414	3		7,792	7,793	3	
		6,381	6,382	3		7,789	7,790	3	
		6,376	6,377	3		7,754	7,755	3	
		6,373	6,374	3		7,710	7,711	3	
		6,278	6,279	3		7,658	7,659	3	
		6,207	6,208	3		7,656	7,657	3	
Stage 11	05/29/2011	6,138	6,139	3	Stage 6	7,629	7,630	3	
		6,124	6,125	3		7,620	7,621	3	
		6,107	6,108	3	Stage 6	7,567	7,568	3	
		6,092	6,093	3		7,552	7,553	3	
		6,057	6,058	3		7,516	7,517	3	
		6,004	6,005	3		7,495	7,496	3	
		5,995	5,996	3		7,448	7,449	3	
		5,986	5,987	3		7,440	7,441	3	
		5,917	5,918	3		7,402	7,403	3	
		5,907	5,908	3		7,391	7,392	3	
Stage 12	05/30/2011	5,839	5,840	3	Stage 7	7,382	7,383	3	
		5,823	5,824	3		7,342	7,343	3	
		5,780	5,781	3	Stage 7	7,310	7,311	3	
		5,760	5,761	3		7,302	7,303	3	
		5,680	5,681	3		7,283	7,284	3	
		5,670	5,671	3		7,243	7,244	3	
		5,660	5,661	3		7,220	7,221	3	
		5,598	5,599	3		7,210	7,211	3	
		5,564	5,565	3		7,201	7,202	3	
		5,542	5,543	3		7,171	7,172	3	
Stage 2	05/23/2011	8,696	8,697	3	Stage 8	7,115	7,116	3	
		8,685	8,686	3		7,104	7,105	3	
		8,675	8,676	3	Stage 8	7,046	7,047	3	
		8,531	8,532	3		7,028	7,029	3	
		8,528	8,529	3		7,008	7,009	3	
		8,518	8,519	3		7,002	7,003	3	
		8,487	8,488	3		6,984	6,985	3	
		8,480	8,481	3		6,933	6,934	3	
		8,455	8,466	3		6,930	6,931	3	
		8,462	8,463	3		6,924	6,925	3	
Stage 3	05/26/2011	8,398	8,399	3	Stage 9	6,897	6,898	3	
		8,381	8,382	3		6,890	6,891	3	
		8,354	8,355	3	Stage 9	6,832	6,833	3	
		8,339	8,340	3		6,822	6,823	3	
		8,331	8,332	3		6,784	6,785	3	
		8,311	8,312	3		6,766	6,767	3	
		8,258	8,259	3		6,747	6,748	3	
		8,234	8,235	3		6,733	6,734	3	
		8,171	8,172	3		6,700	6,701	3	
		8,165	8,166	3		6,666	6,667	3	
Stage 4	05/29/2011	6,610	6,611	3		6,618	6,619	3	
		6,610	6,611	3		6,610	6,611	3	

Frac Summary	
Stage 1	: 8,787 - 8,896, 18 - 0.350" shots, 6838 bbls of Slickwater, 1390 lbs of 100 White Sand, 206000 lbs of 40/70 White Sand Report Date: 10/05/2009
Stage 2	: 8,455 - 8,697, 30 - 0.420" shots, 7020 bbls of Slickwater Report Date: 05/26/2011
Stage 3	: 8,165 - 8,399, 30 - 0.420" shots, 5757 bbls of Slickwater Report Date: 05/27/2011
Stage 4	: 7,887 - 8,098, 30 - 0.420" shots, 5014 bbls of Slickwater Report Date: 05/27/2011
Stage 5	: 7,620 - 7,841, 30 - 0.420" shots, 5942 bbls of Slickwater Report Date: 05/27/2011
Stage 6	: 7,342 - 7,568, 30 - 0.420" shots, 11417 bbls of Slickwater Report Date: 05/28/2011
Stage 7	: 7,104 - 7,311, 30 - 0.420" shots, 12089 bbls of Slickwater Report Date: 05/28/2011
Stage 8	: 6,890 - 7,047, 30 - 0.420" shots, 5664 bbls of Slickwater Report Date: 05/29/2011
Stage 9	: 6,610 - 6,833, 30 - 0.420" shots, 14393 bbls of Slickwater Report Date: 05/29/2011
Stage 10	: 6,207 - 6,528, 30 - 0.420" shots, 7986 bbls of Slickwater Report Date: 05/29/2011
Stage 11	: 5,907 - 6,139, 30 - 0.420" shots, 11236 bbls of Slickwater Report Date: 05/30/2011
Stage 12	: 5,542 - 5,840, 30 - 0.420" shots, 13464 bbls of Slickwater Report Date: 05/30/2011

**Comments**  
238 jts. 2 3/8" L80 4.7# Korean tbq.