

Downhole Schematic for DW 8601A-33 P28 496



Project :North Piceance

Area : Double Willow

As Of :

API # :05045204470000

County :

GL : 7791.0 ft

Surface Location : SESE Sec 28 T4S - R96W 6th PM

BHL : NENE-33-4S-96 W 6th PM

KB to GL : 22.0 ft

KB : 7813.0 ft

Set @ 118	-500 ft	Casing Details	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
		Section	30.000	20	0	118	120			Line Pipe
		Conductor								
	-1000 ft	Surface	14.750	9.625	0	2,126	2	LT&C		Float Shoe
				36	36	2,125	44	LT&C	K55	Casing
	-1500 ft			9.625	0	2,081	2	LT&C		Float Collar
				36	36	2,079	123	LT&C	K55	Casing
	-2000 ft			9.625	0	1,956	2	LT&C		Parasite sub
				36	36	1,954	1,924	LT&C	K55	Casing
	-2500 ft			9.625	0	30	6	ST&C		Mandrel
Set @ 2126				36	36	24	30	LT&C	K55	Landing jt
	-3000 ft	Production	8.750	5.5	11.6	11,783	2	Butt	P-110	Guide Shoe
				4.5	11.6	11,782	20	Butt	P-110	Casing Jt.
	-3500 ft			5.5	11.6	11,761	2	Butt	P-110	Float Collar
				4.5	11.6	11,760	1,488	Butt	P-110	Caing Jts.
	-4000 ft			4.5	11.6	10,272	22	Butt	P-110	Marker Jt
				4.5	11.6	10,250	2,724	Butt	P-110	Casing Jts
	-4500 ft			4.5	11.6	7,527	22	Butt	P-110	Marker Jt
				4.5	11.6	7,504	7,508	Butt	P-110	Casing Jts
Stage 13	-5000 ft	Cement Details	Sequence	Top	Density	Blend / Additives				
		Section	Fill	0	11.0	11# LiteFILL / D049 @ .87#/sk, D124 @ .11#/sk, D053 @ 6%, D079				
	-5500 ft	Surface				@ 2%, D046 @ .2%, D029 @ .25#/sk				
		Tail		1,598	12.5	12.5# LiteFILL / D049 @ .87#/sk, D124 @ .11#/sk, D053 @ 6%, D046				
	-6000 ft	Production	Lead	0	10.5	TXI Lead / 75 lb/sk				
						D049+12%D020+1%D079+1%D112+1.2%D013+.250lb/skD029+.500				
	-6500 ft		Lead	4,952	12.0	%D046+.600%D182				
						TXI LS Lead /				
						.500%D046+1.0%D013+1.0%D079+75.0lb/skD049+.250lb/skD029+.1				
			Tail	7,658	13.0	00%D112				
Stage 12	-7000 ft	Conductor	Tail	0	13.5	Rockies Correct GMS Enc /				
		Perforations				80/lb/skD901+11.0lb/skD035+3.0%D020+.200%D046+.200%D065+.7				
		Stage 1				50%D112+35%D178+.400%D201+5.0%D044+.250lb/skD029+.500%D				
		Date	From	To	Shots					
		08/11/2012	11,570	11,571	3	10,249	10,250	3		
			11,519	11,520	3	10,234	10,235	3		
			11,499	11,500	3	10,223	10,224	3		
			11,454	11,455	3	10,193	10,194	3		
			11,406	11,407	3	10,181	10,182	3		
			11,310	11,311	3	10,162	10,163	3		
Stage 11	-7500 ft					Stage 4				
		Date	From	To	Shots					
		08/14/2012	10,040	10,041	3					
			9,982	9,983	3					
			9,975	9,976	3					
			9,959	9,960	3					
			9,903	9,904	3					
			9,863	9,864	3					
			9,831	9,832	3					
			9,813	9,814	3					
Stage 10	-8000 ft					Stage 5				
		Date	From	To	Shots					
		08/15/2012	9,683	9,684	3					
			9,660	9,661	3					
			9,632	9,633	3					
			9,548	9,549	3					
			9,512	9,513	3					
			9,498	9,499	3					
			9,456	9,457	3					
			9,444	9,445	3					
Stage 9	-8500 ft					Stage 6				
		Date	From	To	Shots					
		08/16/2012	9,364	9,365	3					
			9,352	9,353	3					
			9,343	9,344	3					
			9,313	9,314	3					
			9,268	9,269	3					
			9,251	9,252	3					
			9,234	9,235	3					
			9,188	9,189	3					
Stage 8	-9000 ft					Stage 7				
		Date	From	To	Shots					
		08/17/2012	9,083	9,084	3					
			9,045	9,046	3					
			9,029	9,030	3					
			8,943	8,944	3					
			8,929	8,930	3					
			8,868	8,869	3					
			8,856	8,857	3					
			8,828	8,829	3					
Stage 7	-9500 ft					Stage 8				
		Date	From	To	Shots					
		08/18/2012	8,762	8,763	3					
			8,742	8,743	3					
			8,723	8,724	3					
			8,714	8,715	3					
			8,656	8,657	3					
			8,594	8,595	3					
			8,524	8,525	3					
			8,515	8,516	3					
Stage 6	-10000 ft					Stage 9				
		Date	From	To	Shots					
		08/18/2012	8,453	8,454	3					
			8,435	8,436	3					
			8,422	8,423	3					
			8,386	8,387	3					
			8,360	8,361	3					
			8,270	8,271	3					
			8,261	8,262	3					
			8,226	8,227	3					
Stage 5	-10500 ft					Stage 2				
		Date	From	To	Shots					
		08/13/2012	10,333	10,334	3					
			10,317	10,318	3					
			10,297	10,298	3					
			10,280	10,281	3					
Stage 4	-11000 ft					Stage 3				
		Date	From	To	Shots					
		08/13/2012	10,438	10,439	3					
			10,453	10,454	3					
			10,468	10,469	3					
			10,491	10,492	3					
			10,502	10,503	3					
			10,537	10,538	3					
			10,546	10,547	3					
			10,595	10,596	3					
Stage 3	-11500 ft					Stage 1				
		Date	From	To	Shots					
		08/13/2012	10,661	10,662	3					
			10,693	10,694	3					
			10,708	10,709	3					
			7,089	7,090	3					
			7,047	7,048	3					
			7,039	7,040	3					
			7,026	7,027	3					
Stage 2	-11750 ft					Stage 1				
		Date	From	To	Shots					
		08/13/2012	10,438	10,439	3					
			10,453	10,454	3					
			10,468	10,469	3					
			10,491	10,492	3					
			10,502	10,503	3					
			10,537	10,538	3					
			10,546	10,547	3					
			10,595	10,596	3					
Stage 1	-12000 ft					Stage 1				
		Date	From	To	Shots					
		08/13/2012	10,661	10,662	3					
			10,693	10,694	3					
			10,708	10,709	3					
			7,089	7,090	3					
			7,047	7,048	3					
			7,039	7,040	3					
			7,026	7,027	3					