

Downhole Schematic for DW 8608C-33 P28 496



Project :North Piceance

API # :05045204460000

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

Area : Double Willow

County :

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

As Of :

GL : 7791.0 ft

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	Conductor	30.000	20	0	118	120			Line Pipe		
	1000 ft	Surface		14.750	9.625	0	2,131	2	LT&C	K 55	Float Shoe		
					9.625	36	2,131	44	LT&C		Casing		
	1500 ft				9.625	0	2,131	2	LT&C		Float Collar		
						0	2,131	2	LT&C		Parasite Sub		
	2000 ft				9.625	0	2,131	2	LT&C		Port Collar		
	Set @ 2131	2000 ft				9.625	0	2,131	6	LT&C	K55	Mandrel	
		2500 ft				9.625	36	2,131	27	LT&C	K55	Landing Jt.	
						9.625	36	2,047	132	LT&C	K55	Casing	
3000 ft					9.625	36	1,915	848	LT&C	K55	Casing		
					9.625	36	1,067	1,073	LT&C	K55	Casing		
3500 ft		Production		7.875	5.5	11.6	11,123	2	Butt	P-110	Guide Shoe		
					4.5	11.6	11,122	21	Butt	P-110	Casing Jt.		
4000 ft					5.5	11.6	11,101	2	Butt	P-110	Float Collar		
					4.5	11.6	11,099	1,458	Butt	P-110	Caing Jts.		
4500 ft					4.5	11.6	9,641	20	Butt	P-110	Marker Jt		
TOC @ 4958					4.5	11.6	9,621	2,688	Butt	P-110	Casing Jts		
	5000 ft				4.5	11.6	6,933	20	Butt	P-110	Marker Jt		
					4.5	11.6	6,913	6,910	Butt	P-110	Casing Jts		
	5500 ft	Cement Details		Sequence		Top	Density	Blend / Additives					
		Section			0	9.0	LiteCRETE / See Report						
	6000 ft	Surface	Lead		0	12.0	Control Set C / 1/4lb/skx Polliflake						
	6500 ft	Conductor	Lead		0								
		Production	Lead		4,958	10.5	TXI Lead / 75 lb/sk						
							D049+12%D020+1%D079+1%D112+1.2%D013+.250lb/skD029+.500						
	7000 ft						%D046+.600%D182						
			Lead		5,904	12.0	TXI LS Lead /						
							.500%D046+1.0%D013+1.0%D079+75.0lb/skD049+.250lb/skD029+.1						
							00%D112						
			Tail		8,373	13.0	Rockies Correct GMS Enc /						
							80lb/skD901+11.0lb/skD035+3.0%D020+.200%D046+.200%D065+.7						
							50%D112+35%D178+.400%D201+5.0%D044+.250lb/skD029+.500%D						
							182						
Stage 12	7500 ft	Perforations		Date	From	To	Shots	Stage 4		Date	From	To	Shots
			Stage 1	07/03/2012	10,851	10,852	3			07/13/2012	9,911	9,912	3
					10,845	10,846	3				9,876	9,877	3
					10,834	10,835	3				9,861	9,862	3
					10,823	10,824	3				9,849	9,850	3
					10,803	10,804	3				9,796	9,797	3
					10,670	10,671	3				9,787	9,788	3
					10,645	10,646	3				9,779	9,780	3
					10,584	10,585	3				9,715	9,716	3
					10,571	10,572	3				9,690	9,691	3
Stage 11					10,557	10,558	3				9,678	9,679	3
	8000 ft	Stage 10		Date	From	To	Shots	Stage 5		Date	From	To	Shots
			07/19/2012	8,225	8,226	3			07/14/2012	9,635	9,636	3	
				8,212	8,213	3				9,607	9,608	3	
				8,201	8,202	3				9,587	9,588	3	
				8,178	8,179	3				9,537	9,538	3	
				8,152	8,153	3				9,514	9,515	3	
				8,127	8,128	3				9,432	9,433	3	
				8,093	8,094	3				9,397	9,398	3	
				8,052	8,053	3				9,368	9,369	3	
Stage 10	8500 ft				7,998	7,999	3				9,345	9,346	3
					7,981	7,982	3				9,331	9,332	3
		Stage 11		Date	From	To	Shots	Stage 6		Date	From	To	Shots
			07/20/2012	7,962	7,963	3			07/15/2012	9,320	9,321	3	
				7,920	7,921	3				9,300	9,301	3	
				7,872	7,873	3				9,276	9,277	3	
				7,857	7,858	3				9,261	9,262	3	
				7,846	7,847	3				9,245	9,246	3	
				7,821	7,822	3				9,205	9,206	3	
				7,798	7,799	3				9,177	9,178	3	
Stage 9	9000 ft				7,788	7,789	3				9,130	9,131	3
					7,775	7,776	3				9,112	9,113	3
					7,757	7,758	3				9,099	9,100	3
		Stage 12		Date	From	To	Shots	Stage 7		Date	From	To	Shots
			07/21/2012	7,735	7,736	3			07/16/2012	9,069	9,070	3	
				7,715	7,716	3				9,050	9,051	3	
				7,675	7,676	3				9,012	9,013	3	
				7,644	7,645	3				8,995	8,996	3	
				7,617	7,618	3				8,975	8,976	3	
				7,594	7,595	3				8,965	8,966	3	
Stage 8	9500 ft				7,568	7,569	3				8,922	8,923	3
					7,548	7,549	3				8,877	8,878	3
					7,530	7,531	3				8,861	8,862	3
					7,513	7,514	3				8,841	8,842	3
		Stage 8		Date	From	To	Shots	Stage 3		Date	From	To	Shots
			07/11/2012	10,524	10,525	3			07/17/2012	8,805	8,806	3	
				10,503	10,504	3				8,786	8,787	3	
				10,478	10,479	3				8,767	8,768	3	
				10,441	10,442	3				8,732	8,733	3	
				10,429	10,430	3				8,719	8,720	3	
Stage 7	10000 ft				10,407	10,408	3				8,703	8,704	3
					10,299	10,300	3				8,690	8,691	3
					10,287	10,288	3				8,661	8,662	3
					10,249	10,250	3				8,623	8,624	3
					10,221	10,222	3				8,553	8,554	3
		Stage 9		Date	From	To	Shots	Stage 2		Date	From	To	Shots
			07/12/2012	10,201	10,202	3			07/19/2012	8,518	8,519	3	
				10,182	10,183	3				8,479	8,480	3	
				10,167	10,168	3				8,467	8,468	3	
				10,141	10,142	3				8,447	8,448	3	
Stage 6	10500 ft				10,133	10,134	3				8,421	8,422	3
					10,102	10,103	3				8,389	8,390	3
					10,077	10,078	3				8,376	8,377	3
					10,031	10,032	3				8,323	8,324	3
					10,002	10,003	3				8,303	8,304	3
					9,961	9,962	3				8,267	8,268	3
		Stage 10		Date	From	To	Shots	Stage 1		Date	From	To	Shots
			07/11/2012	10,857	10,858	3			07/18/2012	8,249	8,250	3	
				10,839	10,840	3				8,231	8,232	3	
				10,821	10,822	3				8,213	8,214	3	
Stage 5	11000 ft				10,803	10,804	3				8,195	8,196	3
					10,785	10,786	3				8,177	8,178	3
					10,767	10,768	3				8,159	8,160	3
					10,749	10,750	3				8,141	8,142	3
					10,731	10,732	3				8,123	8,124	3
					10,713	10,714	3				8,105	8,106	3
					10,695	10,696	3				8,087	8,088	3
					10,677	10,678	3				8,069	8,070	3
					10,659	10,660	3				8,051	8,052	3
					10,641	10,642	3				8,033	8,034	3
Stage 4					10,623	10,624	3				8,015	8,016	3
					10,605	10,606	3				7,997	7,998	3
					10,587	10,588	3				7,979	7,980	3
					10,569	10,570	3				7,961	7,962	3
					10,551	10,552	3				7,943	7,944	3
					10,533	10,534	3				7,925	7,926	3
					10,515	10,516	3				7,907	7,908	3
					10,497	10,498	3				7,889	7,890	3
					10,479	10,480	3				7,871	7,872	3
					10,461	10,462	3				7,853	7,854	3
Stage 3					10,443	10,444	3				7,835	7,836	3
					10,425	10,426	3				7,817	7,818	3
					10,407	10,408	3				7,799	7,800	3
					10,389	10,390	3				7,781	7,782	3
					10,371	10,372	3				7,763	7,764	3
					10,353	10,354	3				7,745	7,746	3
					10,335	10,336	3				7,727	7,728	3
					10,317	10,318	3				7,709	7,710	3
					10,299	10,300	3				7,691	7,692	3
					10,281	10,282	3				7,673	7,674	3
Stage 2					10,263	10,264	3						