

Downhole Schematic for DW 8608A-33 P28 496



Project :North Piceance

API # :05045204390000

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 : ft

KB : 0.0 ft

Set @ 118		Casing Details									
	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description		
	500 ft	Conductor	30.000	20	0	118	120			Line Pipe	
	7000 ft	Surface	14.750	9.625	0	2,095	2	LT&C		Float Shoe	
	7500 ft			9.625	36	2,094	41	LT&C	K55	Casing	
				9.625	0	2,052	2	LT&C		Float Collar	
				9.625	0	2,051	126	LT&C	K55	Casing	
	2000 ft			9.625	36	1,925	2	LT&C		Parasite sub	
				9.625	0	1,923	1,063	LT&C	K55	Casing	
				9.625	0	860	2	LT&C		Port Collar	
	2500 ft			9.625	36	858	827	LT&C	K55	Casing	
				9.625	0	31	6	ST&C		Mandrel	
				9.625	36	25	30	LT&C	K55	Landing jt	
	3000 ft	Production	8.750	5.5	11.6	11,912	2	Butt	P-110	Guide Shoe	
				4.5	11.6	11,911	21	Butt	P-110	Casing Jt.	
	3500 ft			5.5	11.6	11,890	2	Butt	P-110	Float Collar	
				4.5	11.6	11,888	1,405	Butt	P-110	Caing Jts.	
	4000 ft			4.5	11.6	10,483	21	Butt	P-110	Marker Jt	
				4.5	11.6	10,462	3,552	Butt	P-110	Casing Jts	
	4500 ft			4.5	11.6	6,910	21	Butt	P-110	Marker Jt	
				4.5	11.6	6,889	6,893	Butt	P-110	Casing Jts	
	5000 ft										
		Cement Details									
	5500 ft	Section	Sequence		Top	Density	Blend / Additives				
		Surface	Lead		0	9.0	LiteCRETE / See Report				
	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				
							%D046+.600%D182				
	6500 ft		Lead		5,755	12.0	TXI LS Lead /				
							.500%D046+1.0%D013+1.0%D079+75.0lb/skD049+.250lb/skD029+.1				
							00%D112				
			Tail		6,486	13.0	Rockies Correct GMS Enc /				
							80/lb/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				
		Conductor	Lead		0	13.5	Control Set C / 1/4lb/sk Polliflake				
	7000 ft	Perforations									
		Stage 1									
		Date	From	To	Shots				10,810	10,811	3
		07/03/2012	11,816	11,817	3				10,740	10,741	3
			11,810	11,811	3				10,723	10,724	3
			11,733	11,734	3				10,705	10,706	3
			11,686	11,687	3				10,657	10,658	3
			11,659	11,660	3				10,645	10,646	3
Stage 14								Stage 4			
	7500 ft							Date	From	To	Shots
								07/11/2012	10,490	10,491	3
									10,483	10,484	3
Stage 13									10,464	10,465	3
									10,454	10,455	3
		Stage 10							10,422	10,423	3
		Date	From	To	Shots				10,410	10,411	3
		07/16/2012	8,782	8,783	3				10,393	10,394	3
Stage 12	8000 ft		8,763	8,764	3				10,339	10,340	3
			8,752	8,753	3				10,328	10,329	3
			8,738	8,739	3				10,316	10,317	3
			8,728	8,729	3						
Stage 11			8,672	8,673	3			Stage 5			
			8,639	8,640	3			Date	From	To	Shots
			8,615	8,616	3			07/12/2012	10,207	10,208	3
			8,605	8,606	3				10,184	10,185	3
	8500 ft		8,571	8,572	3				10,156	10,157	3
									10,113	10,114	3
Stage 10		Stage 11							10,105	10,106	3
		Date	From	To	Shots				10,075	10,076	3
		07/18/2012	8,538	8,539	3				10,062	10,063	3
			8,470	8,471	3				9,970	9,971	3
Stage 9			8,440	8,441	3				9,942	9,943	3
			8,398	8,399	3				9,913	9,914	3
			8,388	8,389	3						
	9000 ft		8,372	8,373	3			Stage 6			
			8,359	8,360	3			Date	From	To	Shots
Stage 8			8,340	8,341	3			07/13/2012	9,892	9,893	3
			8,337	8,338	3				9,866	9,867	3
			8,291	8,292	3				9,854	9,855	3
		Stage 12							9,821	9,822	3
		Date	From	To	Shots				9,814	9,815	3
Stage 7		07/19/2012	8,240	8,241	3				9,758	9,759	3
			8,185	8,186	3				9,750	9,751	3
	9500 ft		8,176	8,177	3				9,739	9,740	3
			8,149	8,150	3				9,696	9,697	3
			8,121	8,122	3				9,686	9,687	3
Stage 6			8,108	8,109	3			Stage 7			
			8,063	8,064	3			Date	From	To	Shots
			8,045	8,046	3			07/14/2012	9,632	9,633	3
Stage 5			8,006	8,007	3				9,607	9,608	3
			7,998	7,999	3				9,596	9,597	3
	10000 ft	Stage 13							9,581	9,582	3
		Date	From	To	Shots				9,564	9,565	3
		07/20/2012	7,964	7,965	3				9,550	9,551	3
			7,902	7,903	3				9,479	9,480	3
Stage 4			7,826	7,827	3				9,440	9,441	3
			7,814	7,815	3				9,425	9,426	3
			7,781	7,782	3				9,379	9,380	3
	10500 ft		7,764	7,765	3			Stage 8			
			7,751	7,752	3			Date	From	To	Shots
Stage 3			7,723	7,724	3			07/15/2012	9,350	9,351	3
			7,704	7,705	3				9,338	9,339	3
			7,686	7,687	3				9,310	9,311	3
		Stage 14							9,276	9,277	3
		Date	From	To	Shots				9,240	9,241	3
		07/21/2012	7,667	7,668	3				9,217	9,218	3
			7,648	7,649	3				9,199	9,200	3
	11000 ft		7,630	7,631	3				9,184	9,185	3
			7,579	7,580	3				9,119	9,120	3
			7,554	7,555	3				9,102	9,103	3
			7,507	7,508	3			Stage 9			
			7,488	7,489	3			Date	From	To	Shots
			7,476	7,477	3			07/15/2012	9,076	9,077	3
			7,455	7,456	3				9,066	9,067	3
			7,434	7,435	3				9,032	9,033	3
Stage 1	11500 ft	Stage 3							9,019	9,020	3
		Date	From	To	Shots				8,934	8,935	3
		07/11/2012	10,902	10,903	3				8,915	8,916	3
			10,887	10,888	3				8,894	8,895	3
			10,869	10,870	3				8,885	8,886	3
			10,837	10,838	3				8,851	8,852	3
									8,818	8,819	3

Set @ 11912

PBTD @ 11888

TD @ 11945

Frac Summary

Stage 1 : 11.509 - 11.817. 30 - 0.420" shots. 11793 bbls of Slickwater. 19600 lbs of 100 Sand Report Date:

07/10/2012

Stage 3 : 10,645 - 10,903, 30 - 0.420" shots, 18074 bbls of Slickwater, 19700 lbs of 100 Sand Report Date:

07/11/2012
Stage 4 : 10

Stage 4 : 10,316 - 10,491, 30 - 0.420" shots, 18694 bbls of Slickwater, 19829 lbs of 100 Sand Report Date: 07/12/2012

Stage 5 : 9.

Stage 3 : 9,915 - 10,200, 50 - 0.420 shots, 12550 bbls of slickwater, 20515 lbs of 100 Sand Report Date 07/13/2012

Stage 6 : 9,

07/14/2012

Stage 7 : 9,
07/15/2012

Stage 8 : 9.103 - 9.351 30 - 0.420" shots 22526 bbls of Slickwater 20000 lbs of 100 Sand Report Date:

August 28, 2012 1:23 PM