

Downhole Schematic for SG 8503E-22 N22 496



Project :North Piceance

API # :05045206670000

Surface Location : Lot5 Sec 22 T4S - R96W 6th PM

Area : Story Gulch

County :

BHL : NENW-22-4S-96 W 6th PM

As Of :

GL : 7585.0 ft

KB to GL : 22.0 ft

KB : 7607.0 ft

Set @ 118				Casing Details														
				Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description						
				Conductor	30.000	20	52.78	118	120		A53B	Line pipe						
				Surface	14.750	9.625	0	2,098	2	LT&C	J-55	Float Shoe						
						9.625	36	2,097	44	LT&C	J-55	Casing						
				500 ft		9.625	0	2,053	2	LT&C	J-55	float collar						
						9.625	36	2,051	132	LT&C	J-55	Casing						
				2000 ft		9.625	0	1,919	2	LT&C		Air Collar						
						9.625	36	1,918	1,889	LT&C	J-55	Casing						
						9.625	0	28	5	LT&C		casing head						
Set @ 2098				Production	8.750	4.5	11.6	12,735	2	Butt	P-110	Guide Shoe						
						4.5	11.6	12,734	22	Butt	P-110	Casing Jt.						
						4.5	11.6	12,711	2	Butt	P-110	Float Collar						
						4.5	11.6	12,710	1,489	Butt	P-110	Caing Jts.						
						4.5	11.6	11,221	22	Butt	P-110	Marker Jt						
						4.5	11.6	11,198	3,983	Butt	P-110	Casing Jts						
						4.5	11.6	7,216	22	Butt	P-110	Marker Jt						
						4.5	11.6	7,193	7,198	Butt	P-110	Casing Jts						
Set @ 2098				Cement Details														
				Section	Sequence	Top	Density	Blend / Additives										
				Conductor	Fill	0	12.0	Control set C / 1/4lb/sk Polly Flake										
				Tail	40	12.0	Control Set C / .25 lb/sk PF											
				Surface	Lead	0	11.0	LiteFIL 11# / D124 11#/sk, D053 6%, D079 2%, D046 .2%, D029 .25#/sk										
					Tail	1,608	12.5	LiteFIL 12.5# / D124 11#/sk, D053 6%, D046 .2%, D029 .25#/sk, D013 .15%, D065 .2%										
				Production	Scavenger	0	10.3	MUDPUSH II / D031@106.7#/bbl, D182@5#/bbl										
				Fill	2,796	10.5	10.5ppg TXI / D049@75#/sk, D020@12%, D079@1%, D013@1.5%, D029@.25#/sk, D046@.5%, D208@.1%											
				Lead	4,456	12.0	12.0ppg TXI LS / D046@.5%, D013@1%, D079@1%, D049@75#/sk, D029@.25#/sk, D112@.1%											
				Tail	7,791	13.0	13.0ppg Rockies CORRECT GMS Enc / D901@80#/sk, D035@11#/sk, D020@3%, D046@.2%, D065@.2%, D112@.75%, D178@35%, D201@.4%, D044@5%, D029@.25#/sk, D182@.5%											
Stage 15				Perforations	Stage 1	Date	From	To	Shots	01/07/2012	11,577	11,578	3					
											11,560	11,561	3					
											11,524	11,525	3					
											11,505	11,506	3					
											11,480	11,481	3					
											11,444	11,445	3					
											11,430	11,431	3					
											11,400	11,401	3					
											11,366	11,367	3					
											11,343	11,344	3					
Stage 14				Stage 4	Date	From	To	Shots	01/09/2012	11,222	11,223	3						
										11,213	11,214	3						
										11,204	11,205	3						
										11,154	11,155	3						
										11,024	11,025	3						
										10,980	10,981	3						
										10,972	10,973	3						
										10,955	10,956	3						
										10,925	10,926	3						
										10,914	10,915	3						
Stage 13				Stage 10	Date	From	To	Shots	01/10/2012	10,868	10,869	3						
										10,837	10,838	3						
										10,818	10,819	3						
										10,760	10,761	3						
										10,746	10,747	3						
										10,738	10,739	3						
										10,708	10,709	3						
										10,674	10,675	3						
										10,660	10,661	3						
										10,630	10,631	3						
Stage 12				Stage 6	Date	From	To	Shots	01/11/2012	10,574	10,575	3						
										10,534	10,535	3						
										10,504	10,505	3						
										10,480	10,481	3						
										10,410	10,411	3						
										10,390	10,391	3						
										10,380	10,381	3						
										10,370	10,371	3						
										10,332	10,333	3						
										10,311	10,312	3						
Stage 11				Stage 7	Date	From	To	Shots	01/11/2012	10,278	10,279	3						
										10,262	10,263	3						
										10,232	10,233	3						
										10,224	10,225	3						
										10,214	10,215	3						
										10,148	10,149	3						
										10,116	10,117	3						
										10,099	10,100	3						
										10,078	10,079	3						
										10,068	10,069	3						
Stage 10				Stage 8	Date	From	To	Shots	01/12/2012	9,992	9,993	3						
										9,978	9,979	3						
										9,970	9,971	3						
										9,932	9,933	3						
										9,902	9,903	3						
										9,889	9,890	3						
										9,858	9,859	3						
										9,840	9,841	3						
										9,828	9,829	3						
										9,804	9,805	3						
Stage 9				Stage 9	Date	From	To	Shots	01/13/2012	9,749	9,750	3						
										9,733	9,734	3						
										9,712	9,713	3						
										9,704	9,705	3						
										9,684	9,685	3						
										9,662	9,663	3						
										9,648	9,649	3						
										9,602	9,603	3						
										9,586	9,587	3						
										9,578	9,579	3						
Stage 8				Stage DFIT	Date	From	To	Shots	11/29/2011	12,542	12,543	3						
Set @ 12735				Stage 3	Date	From	To	Shots		8,149	8,150	3						
										8,134	8,135	3						
										8,121	8,122	3						
										8,102	8,103	3						
										8,044	8,045	3						
										8,024	8,025	3						
										8,006	8,007	3						
										7,968	7,969	3						
										7,950	7,951	3						
										7,896	7,897	3						

Report by Decision Dynamics Technology Ltd. Wellcore

February 22, 2012 9:20 AM

Frac Summary
 Stage 1 : 12,311 - 12,587, 30 - 0.370" shots, 20542 bbls of Slickwater Report Date: 01/04/2012
 Stage DFIT : No Frac
 Stage 3 : 11,343 - 11,578, 30 - 0.370" shots, 24764 bbls of Slickwater Report Date: 01/09/2012
 Stage 4 : 10,914 - 11,223, 30 - 0.370" shots, 18667 bbls of Slickwater Report Date: 01/10/2012
 Stage 5 : 10,630 - 10,869, 30 - 0.370" shots, 17534 bbls of Slickwater Report Date: 01/11/2012