

Downhole Schematic for SGU 8509C-36 B36 496



Project :North Piceance		API # :05045198450000		Surface Location : Lot2 Sec 36 T4S - R96W 6th PM									
Area : Story Gulch		County :		BHL : NESE-36-4S-96 W 6th PM									
As Of : 10/07/2011		GL : 8352.0 ft		KB to GL : 22.0 ft		KB : 8374.0 ft							
Set @ 118	-500 ft	Casing Details											
		Section Conductor	Hole 30.000	Casing 20	Mass 52	Set At 118	Length 118	Thread	Grade	Description Line Pipe			
Set @ 3024	-1000 ft -1500 ft -2000 ft -2500 ft -3000 ft	Surface	14.750	10.625	36	3,024	1	LT&C	J-55	Guide Shoe			
				9.625	36	3,023	44	LT&C	J-55	Casing Joint			
				10.625	36	2,978	2	LT&C	J-55	Float Collar			
				9.625	36	2,977	175	LT&C	J-55	Casing Joints			
				10.625	36	2,802	2	LT&C	J-55	Parasite-Sub			
				9.625	36	2,800	1,403	LT&C	J-55	Casing Joints			
				10.625	36	1,398	2	LT&C	J-55	Port Collar			
				9.625	36	1,395	1,365	LT&C	J-55	Casing Joints			
				9.625	36	30	6	LT&C	J-55	Mandral+Pup			
				9.625	36	24	27	LT&C	J-55	Landing Joint			
				Production	7.875	5.625	0	12,442	2	Butt	P-110	Guide Shoe	
						4.5	11.6	12,441	20	Butt	P-110	Short Jt. A	
						5.0	0	12,420	2	Butt	P-110	Float Collar	
						4.5	11.6	12,419	1,461	Butt	P-110	Casing	
4.5	11.6	10,958	20			Butt	P-110	Marker jt B					
4.5	11.6	10,938	2,644			Butt	P-110	Casing					
4.5	11.6	8,293	20			Butt	P-110	Marker jt C					
4.5	11.6	8,273	8,276			Butt	P-110	Casing					
-6000 ft	Cement Details												
	Section Surface	Sequence Tail	Top 0	Density 9.0	Blend / Additives 9.0 LiteCrete / 37 lb/skD907+ 10.0 lb/sk D154+ 53.lb/sk D124+ .800% D079+ .800% D065+ .400% D013+ .200%D046+ .250lb/skD029								
-6500 ft	Production	Lead	3,420	12.0	NPR / D044 NaCl 5.0% BWOW, D907 cmt. 24.0 lb/sk WBWOB, D035 Extender 54.0 lb/sk WBWOB, D182 Spacer Concentrate 0.5% BWOB, D112 fluid loss 0.3%BWOB, D013 retarder 1.0% BWOB, D046 anti foam 0.2% BWOB, D029 lost circ. control agent 0.25 lb/sk WBWOB								
					Tail	8,008	13.0	Rockies Correct / D044 NaCl 5.0%BWOW, D D901 cement 80.0 lb/sk WBWOB, D035 extender 11.0 lb/sk WBWOB, D178 silica 35.0 BWOB, D020 extender 3.0%BWOB, D182 spcer concentrate 0.5% BWOB, D112 fluid loss 0.75% BWOB, D201 retarder 0.4% BWOB, D065 dispersant 0.2% BWOB, D046 anti foam 0.2% BWOB, D029 lost circ control agent 0.25 lb/sk WBWOB Control Set C /					
Tubing and Downhole Equipment													
Stage 14	-8500 ft	O.D.	Length	Depth	Description								
		0.000	22.00	22.00	KB								
		7.063	0.80	22.80	7 1/16" GE tbg. hanger								
		3.060	9,377.36	9,400.16	304 jts. 2 3/8 4.7# L80 Tenaris tbg								
		3.060	1.10	9,401.26	2 3/8" flag nipple								
		3.060	32.40	9,433.66	1 jt. 4.7# L80 Tenaris tbg								
		3.060	1.10	9,434.76	2 3/8" Seating nipple								
		3.060	32.62	9,467.38	1 jt. 4.7# L80 Tenaris tbg								
		3.060	8.05	9,476.22	8" P110 slotted pup jt.								
		2.970	1.08	9,477.30	2 3/8" EUE to 2 7/8" flush jt.								
		3.060	0.79	9,568.17	Magnum burst disc								
		2.875	2,817.95	12,295.30	84 jts. 2 7/8" flush jt. J55 6.12#/ft.								
		2.970	1.18	12,296.40	2 7/8" flush jt. to 2 3/8" EUE								
		3.060	0.75	12,297.20	Magnum burst disc								
Stage 13	-9000 ft	Perforations											
		Stage 1	Date	From	To	Shots	Stage 3	Date	From	To	Shots		
			08/30/2011	12,297	12,298	3		09/08/2011	11,703	11,704	3		
				12,290	12,291	3			11,700	11,701	3		
				12,270	12,271	3			11,655	11,656	3		
				12,241	12,242	3			11,598	11,599	3		
				12,212	12,213	3			11,580	11,581	3		
				12,162	12,163	3			11,546	11,547	3		
				12,135	12,136	3			11,535	11,536	3		
				12,120	12,121	3			11,518	11,519	3		
				12,105	12,106	3			11,487	11,488	3		
				12,085	12,086	3			11,478	11,479	3		
		Stage 9	-10000 ft	Stage 10	Date	From	To	Shots	Stage 4	Date	From	To	Shots
					09/21/2011	9,753	9,754	3		09/09/2011	11,390	11,391	3
				9,744	9,745	3			11,370	11,371	3		
				9,733	9,734	3			11,323	11,324	3		
				9,720	9,721	3			11,248	11,249	3		
				9,670	9,671	3			11,240	11,241	3		
				9,632	9,633	3			11,211	11,212	3		
				9,618	9,619	3			11,202	11,203	3		
				9,567	9,568	3			11,172	11,173	3		
				9,531	9,532	3			11,131	11,132	3		
				9,518	9,519	3			11,121	11,122	3		
Stage 6	-10500 ft			Stage 11	Date	From	To	Shots	Stage 5	Date	From	To	Shots
					09/22/2011	9,493	9,494	3		09/09/2011	11,101	11,102	3
						9,488	9,489	3			11,045	11,046	3
				9,483	9,484	3			11,036	11,037	3		
				9,449	9,450	3			11,027	11,028	3		
				9,437	9,438	3			11,010	11,011	3		
				9,411	9,412	3			10,998	10,999	3		
				9,383	9,384	3			10,989	10,990	3		
				9,373	9,374	3			10,946	10,947	3		
				9,300	9,301	3			10,929	10,930	3		
				9,290	9,291	3			10,919	10,920	3		
		Stage 4	-11000 ft	Stage 12	Date	From	To	Shots	Stage 6	Date	From	To	Shots
					09/23/2011	9,253	9,254	3		09/12/2011	10,826	10,827	3
						9,226	9,227	3			10,815	10,816	3
				9,202	9,203	3			10,805	10,806	3		
				9,192	9,193	3			10,784	10,785	3		
				9,180	9,181	3			10,768	10,769	3		
				9,165	9,166	3			10,725	10,726	3		
				9,132	9,133	3			10,718	10,719	3		
				9,121	9,122	3			10,705	10,706	3		
				9,112	9,113	3			10,691	10,692	3		
				9,102	9,103	3			10,648	10,649	3		
Stage 2	-11500 ft			Stage 13	Date	From	To	Shots	Stage 7	Date	From	To	Shots
					09/26/2011	9,070	9,071	3		09/13/2011	10,560	10,561	3
						9,061	9,062	3			10,525	10,526	3
				9,011	9,012	3			10,510	10,511	3		
				9,000	9,001	3			10,498	10,499	3		
				8,959	8,960	3			10,470	10,471	3		
				8,935	8,936	3			10,447	10,448	3		
				8,910	8,911	3			10,417	10,418	3		
				8,886	8,887	3			10,392	10,393	3		
				8,852	8,853	3			10,380	10,381	3		
				8,832	8,833	3			10,367	10,368	3		
		Stage 1	-12000 ft	Stage 14	Date	From	To	Shots	Stage 8	Date	From	To	Shots
					09/27/2011	8,797	8,798	3		09/14/2011	10,289	10,290	3
						8,777	8,778	3			10,262	10,263	3
				8,755	8,756	3			10,248	10,249	3		
				8,729	8,730	3			10,213	10,214	3		
				8,704	8,705	3			10,195	10,196	3		
				8,681	8,682	3			10,159	10,160	3		
				8,614	8,615	3			10,145	10,146	3		
				8,601	8,602	3			10,104	10,105	3		
				8,589	8,590	3			10,073	10,074	3		
				8,539	8,540	3			10,059	10,060	3		
Set @ 12442	PBDT @ 12419 TD @ 12472												

Report by Decision Dynamics Technology Ltd. Wellcore

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