

Downhole Schematic for SGU 8507C-36 B36 496



Project :North Piceance

API # :05045198210000

Surface Location : Lot2 Sec 36 T4S - R96W 6th PM

Area : Story Gulch

County :

BHL : SWNE-36-4S-96 W 6th PM

As Of : 03/28/2012

GL : 8352.0 ft

KB to GL : 22.0 ft

KB : 8374.0 ft

Set @ 118	500 ft	Casing Details									
		Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
		Conductor	30.000	20	0	118	118			Line Pipe	
	1000 ft	Surface	14.750	10.625	36	3,037	2	LT&C	J-55	Guide Shoe	
				9.625	36	3,036	44	LT&C	J-55	Casing Joint	
	1500 ft			10.625	36	2,991	2	LT&C	J-55	Float Collar	
				9.625	36	2,990	126	LT&C	J-55	Casing Joints	
	2000 ft			10.625	36	2,864	2	LT&C	J-55	Parasite-Sub	
				9.625	36	2,863	1,487	LT&C	J-55	Casing Joints	
	2500 ft			10.625	36	1,375	2	LT&C	J-55	Port Collar	
Set @ 3037	3000 ft			9.625	36	1,373	1,342	LT&C	J-55	Casing Joints	
				9.625	36	31	6	LT&C	J-55	Mandrel+Pup	
				9.625	36	25	27	LT&C	J-55	Landing Joint	
	3500 ft	Production	7.875	5.625	0	12,176	2	Butt	P-110	Float Shoe	
				4.5	11.6	12,175	18	Butt	P-110	Short Jt.-A	
	4000 ft			5.0	11.6	12,157	2	Butt	P-110	Float Collar	
				4.5	11.6	12,155	1,469	Butt	P-110	Casing	
	4500 ft			4.5	11.6	10,686	20	Butt	P-110	Marker jt.-B	
				4.5	11.6	10,665	2,644	Butt	P-110	Casing	
	5000 ft			4.5	11.6	8,022	18	Butt	P-110	Marker jt.-C	
TOC @ 3144	5500 ft			4.5	11.6	8,004	8,007	Butt	P-110	Casing	
	6000 ft	Cement Details									
		Section	Sequence		Top	Density	Blend / Additives				
	6500 ft	Production	Lead		3,144	12.0	12.0 ppg TXI LS Lead / 24 lb/sk D907+54 lb/sk D035+5%D044+.200%D046+2.0%D079+1.2%D013+.25lb/skD029+.500%D182				
	7000 ft		Tail		8,690	13.0	13.0 ppg Rockies Correct GMS Enc / 80.0lb/sk D901+11.0lb/sk D035+ 3%D020+.200%D046 + .200%D065+.750%D112+35.0%D178+ .400%D201+ 5%D044+.250lb/skD029+.500%D182				
	7500 ft	Conductor	Tail		0	13.0	Control Set C /				
		Surface	Lead		0	9.0	9.0 LiteCrete / 53.0lb/sk D124+ 37lb/skD907 + 10.lb/sk D154 + .800% D079 + .200%D065 + .500%D013 + .200% D046 + .250lb/sk D029				
Stage 12	8000 ft	Tubing and Downhole Equipment									
		O.D.	Length	Depth	Description						
		0.000	22.00	22.00	KB						
		7.063	0.93	22.93	7-1/16" GE tbq Hanger						
		3.060	9,671.75	9,694.68	297jts. 2-3/8 4.7# L80 HuSteel tbq Korean						
		3.060	1.13	9,695.81	2-3/8" flag nipple						
		3.060	32.60	9,728.41	1 jt. 4.7# L80 HuSteel tbq						
		3.060	1.12	9,729.53	2-3/8" Seating nipple						
		3.060	32.54	9,762.07	1 jt. 4.7# L80 HuSteel tbq						
		3.060	0.78	9,762.85	Magnum burst disc						
Stage 11	8500 ft	3.060	10.15	9,773.00	10ft 2-3/8" P110 slotted pup jt.						
		3.060	1.56	9,774.56	2 3/8" EUE Box to 2 7/8" SL-2 Pin.						
		2.875	1,875.33	11,649.90	55 jts. 2 7/8" J55 6.16# FJ (SL-2 thread)						
		2.875	0.35	11,650.20	2-7/8" Bull Plug (SL-2 Box) = EOT						
Stage 10		Perforations									
		Stage 1	Date	From	To	Shots	Stage 4	Date	From	To	Shots
			02/24/2012	11,973	11,974	3		03/02/2012	11,017	11,018	3
				11,955	11,956	3			11,011	11,012	3
	9000 ft			11,952	11,953	3			11,004	11,005	3
				11,865	11,866	3			10,963	10,964	3
				11,848	11,849	3			10,948	10,949	3
				11,786	11,787	3			10,925	10,926	3
				11,779	11,780	3			10,911	10,912	3
				11,700	11,701	3			10,826	10,827	3
Stage 9				11,693	11,694	3			10,817	10,818	3
				11,681	11,682	3			10,804	10,805	3
	9500 ft	Stage 10	Date	From	To	Shots	Stage 5	Date	From	To	Shots
			03/09/2012	9,096	9,097	3		03/05/2012	10,695	10,696	3
				9,088	9,089	3			10,676	10,677	3
				9,058	9,059	3			10,603	10,604	3
				9,053	9,054	3			10,582	10,583	3
				8,983	8,984	3			10,518	10,519	3
				8,975	8,976	3			10,493	10,494	3
				8,880	8,881	3			10,484	10,485	3
Stage 8				8,869	8,870	3			10,475	10,476	3
				8,858	8,859	3			10,402	10,403	3
	10000 ft			8,848	8,849	3			10,393	10,394	3
		Stage 11	Date	From	To	Shots	Stage 6	Date	From	To	Shots
			03/12/2012	8,801	8,802	3		03/05/2012	10,351	10,352	3
				8,791	8,792	3			10,343	10,344	3
				8,751	8,752	3			10,334	10,335	3
				8,744	8,745	3			10,253	10,254	3
				8,701	8,702	3			10,246	10,247	3
	10500 ft			8,679	8,680	3			10,237	10,238	3
Stage 7				8,658	8,659	3			10,206	10,207	3
				8,636	8,637	3			10,196	10,197	3
				8,612	8,613	3			10,153	10,154	3
				8,586	8,587	3			10,113	10,114	3
		Stage 12	Date	From	To	Shots	Stage 7	Date	From	To	Shots
			03/13/2012	8,540	8,541	3		03/06/2012	10,074	10,075	3
				8,528	8,529	3			10,060	10,061	3
				8,513	8,514	3			10,026	10,027	3
	11000 ft			8,481	8,482	3			10,009	10,010	3
				8,451	8,452	3			9,989	9,990	3
Stage 6				8,416	8,417	3			9,972	9,973	3
				8,383	8,384	3			9,891	9,892	3
				8,346	8,347	3			9,808	9,809	3
				8,320	8,321	3			9,794	9,795	3
				8,286	8,287	3			9,771	9,772	3
		Stage 2	Date	From	To	Shots	Stage 8	Date	From	To	Shots
			02/28/2012	11,643	11,644	3		03/07/2012	9,633	9,634	3
	11500 ft			11,627	11,628	3			9,627	9,628	3
				11,592	11,593	3			9,619	9,620	3
				11,584	11,585	3			9,580	9,581	3
Stage 5				11,572	11,573	3			9,555	9,556	3
				11,559	11,560	3			9,524	9,525	3
				11,517	11,518	3			9,516	9,517	3
				11,510	11,511	3			9,505	9,506	3
				11,452	11,453	3			9,424	9,425	3
	12000 ft			11,439	11,440	3			9,413	9,414	3
		Stage 3	Date	From	To	Shots	Stage 9	Date	From	To	Shots
			02/29/2012	11,401	11,402	3		03/08/2012	9,359	9,360	3
				11,390	11,391	3			9,352	9,353	3
				11,374	11,375	3			9,303	9,304	3
Set @ 12176				11,366	11,367	3			9,256	9,257	3
				11,310	11,311	3			9,243	9,244	3
				11,232	11,233	3			9,222	9,223	3
				11,171	11,172	3			9,214	9,215	3
				11,153	11,154	3			9,204	9,205	3
				11,133	11,134	3			9,138	9,139	3
				11,109	11,110	3			9,132	9,133	3
	PBTD @ 12155										
	TD @ 12201										

Report by Decision Dynamics Technology Ltd. Wellcore

April 25, 2012 9:03 AM

Frac Summary
Stage 1 : 11,681 - 11,974, 30 - 0.420" shots, 17013 bbls of Slickwater, 116300 lbs of 100 Sand Report Date: 02/28/2012
Stage 2 : 11,439 - 11,644, 30 - 0.420" shots, 18918 bbls of Slickwater, 131000 lbs of 100 Sand Report Date: 02/29/2012