

# Downhole Schematic for Story Gulch Unit 8507A-25 F25 496



Project :North Piceance

API # :05045191610000

Surface Location : SENW Sec 25 T4S - R96W 6th P

Area : Story Gulch

County :

BHL : SWNE-25-4S-96 W 6th PM

As Of : 03/13/2011

GL : 8298.4 ft

KB to GL : 22.0 ft

KB : 8320.4 ft

Casing Details									
Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
Conductor	30.000	20	52.78	120	120		A53B	Line Pipe	
Surface	14.750	9.625	0	3,041	2	LT&C	K-55	Float Shoe	
		9.625	36	3,040	41	LT&C	J-55	Casing	
		9.625	0	2,999	2	LT&C	K-55	Float Collar	
		9.625	36	2,997	475	LT&C	J-55	Casing	
		9.625	0	2,522	2	LT&C		Air Collar	
		9.625	36	2,521	891	LT&C	J-55	Casing	
		9.625	0	1,630	2	LT&C		Port Collar	
		9.625	36	1,628	1,601	LT&C	J-55	Casing	
		9.625	36	27	5	LT&C	J-55	Casing Head	
		9.625	36	22	28	Butt	J-55	Landing Jt.	
Production	8.750	4.5	0	12,526	2	Butt	P-110	Float Shoe	
		4.5	11.6	12,525	20	Butt	P-110	Casing	
		4.5	0	12,504	2	Butt	P-110	Float Collar	
		4.5	11.6	12,503	1,470	Butt	P-110	Casing	
		4.5	11.6	11,033	19	Butt	P-110	Casing (Marker)	
		4.5	11.6	11,013	3,075	Butt	P-110	Casing	
		4.5	11.6	7,939	19	Butt	P-110	Casing (Marker)	
		4.5	11.6	7,920	4,865	Butt	P-110	Casing	
		4.5	0	3,055	2	Butt	P-110	Port Collar	
		4.5	11.6	3,053	3,053	Butt	P-110	Casing	
Cement Details									
Section	Sequence	Top	Density	Blend / Additives					
Surface	Fill	0	8.9	/ 160 bbls Cemnet + mud 30 bbls Zone lock +50 bbls Mud push					
	Lead	0	9.0	9.0 LiteCrete / 0.8%D079 + 0.8% D065 + 0.4%D013 + 0.2% D046 + 0.25pps D029					
Conductor	Tail	0	13.0	Control Set C /					
Production	Lead	3,934	12.0	12# TXI /					
	Tail	8,928	13.0	D049+1%D79+0.1%D112+0.8%D13+0.5%D46+0.25ppsD029					
				35%D178+5%D044+3%D020+0.4%D182+0.75%D112+0.35%D201+0.2%D065+0.2%D046+0.25ppsD029					
Tubing and Downhole Equipment									
O.D.	Length	Depth	Description						
0.000	22.00	22.00	KB						
7.063	0.80	22.80	7 1/16" Woodgroup						
3.063	10,895.40	10,918.20	332 jts. 2 3/8" L80 4.7# Korean tbg.						
3.063	1.10	10,919.30	2 3/8" flag nipple						
3.063	32.85	10,952.10	1jt. 2 3/8" L80 4.7# Korean tbg.						
3.063	1.10	10,953.20	2 3/8" Seating nipple						
3.063	10.10	10,963.30	2 3/8" L80 pup jt.						
Perforations									
Stage	Date	From	To	Shots					
Stage 1	02/03/2011	12,258	12,259	3	11,780	11,781	3		
		12,255	12,256	3	11,730	11,731	3		
		12,231	12,232	3	11,714	11,715	3		
		12,227	12,228	3	11,687	11,688	3		
		12,165	12,166	3	11,662	11,663	3		
		12,155	12,156	3	11,624	11,625	3		
Stage 4	02/09/2011	12,147	12,148	3	11,591	11,592	3		
		12,132	12,133	3	11,588	11,589	3		
		12,100	12,101	3	11,552	11,553	3		
		12,072	12,073	3	11,522	11,523	3		
Stage 10	02/17/2011	9,770	9,771	3	11,491	11,492	3		
		9,761	9,762	3	11,414	11,415	3		
		9,746	9,747	3	11,383	11,384	3		
		9,727	9,728	3	11,380	11,381	3		
		9,684	9,685	3	11,321	11,322	3		
		9,680	9,681	3	11,304	11,305	3		
		9,650	9,651	3					
		9,596	9,597	3					
		9,583	9,584	3					
		9,515	9,516	3					
Stage 11	02/18/2011	9,427	9,428	3	11,218	11,219	3		
		9,411	9,412	3	11,170	11,171	3		
		9,376	9,377	3	11,163	11,164	3		
		9,336	9,337	3	11,114	11,115	3		
		9,326	9,327	3	11,108	11,109	3		
		9,259	9,260	3	11,100	11,101	3		
		9,247	9,248	3					
		9,240	9,241	3					
		9,166	9,167	3					
		9,158	9,159	3					
Stage 12	02/21/2011	9,123	9,124	3	10,895	10,896	3		
		9,090	9,091	3	10,874	10,875	3		
		9,077	9,078	3	10,867	10,868	3		
		9,057	9,058	3	10,789	10,790	3		
		9,010	9,011	3	10,786	10,787	3		
		8,967	8,968	3	10,765	10,766	3		
		8,949	8,950	3					
		8,901	8,902	3					
		8,880	8,881	3					
		8,847	8,848	3					
Stage 13	02/21/2011	8,750	8,751	3	10,617	10,618	3		
		8,733	8,734	3	10,557	10,558	3		
		8,713	8,714	3	10,557	10,558	3		
		8,660	8,661	3	10,543	10,544	3		
		8,653	8,654	3	10,524	10,525	3		
		8,537	8,538	3	10,497	10,498	3		
		8,522	8,523	3	10,452	10,453	3		
		8,500	8,501	3					
		8,479	8,480	3					
		8,467	8,468	3					
Stage 2	02/07/2011	12,040	12,041	3	10,334	10,335	3		
		12,012	12,013	3	10,282	10,283	3		
		12,000	12,001	3	10,246	10,247	3		
		11,985	11,986	3	10,211	10,212	3		
		11,970	11,971	3	10,183	10,184	3		
		11,930	11,931	3	10,149	10,150	3		
		11,913	11,914	3					
		11,900	11,901	3					
		11,875	11,876	3					
		11,870	11,871	3					
Stage 3	02/08/2011	11,842	11,843	3	9,955	9,956	3		
		11,836	11,837	3	9,946	9,947	3		
		11,810	11,811	3	9,883	9,884	3		
		11,790	11,791	3	9,860	9,861	3		
					9,850	9,851	3		
					9,831	9,832	3		

**Frac Summary**  
 Stage 1 : 12,072 - 12,259, 30 - 0.420" shots, 5882 bbls of Slickwater, 39007 lbs of 100 Sand Report Date: 02/07/2011  
 Stage 2 : 11,870 - 12,041, 30 - 0.420" shots, 8138 bbls of Slickwater, 54777 lbs of 100 Sand Report Date: 02/07/2011