

# Downhole Schematic for Story Gulch Unit 8515A-24 F25 496



Project : North Piceance

API # : 05045191600000

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

Area : Story Gulch

County :

BHL : SWSE-24-4S-96 W 6th PM

As Of : 02/17/2012

GL : 8298.4 ft

KB to GL : 22.0 ft

KB : 8320.4 ft

Set @	Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
120	Conductor	30.000	20	52.78	120	120		A53B	Line Pipe	
	Surface	14.750	9.625	0	3,016	2	LT&C	K-55	Float Shoe	
			9.625	36	3,015	44	LT&C	J-55	Casing	
			9.625	0	2,971	2	LT&C	K-55	Float Collar	
			9.625	36	2,969	465	LT&C	J-55	Casing	
			9.625	0	2,504	2	LT&C		Air Collar	
			9.625	36	2,503	901	LT&C	J-55	Casing	
			9.625	0	1,601	2	LT&C		Port Collar	
			9.625	36	1,599	1,573	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	5"	0	13,217	2	Butt	P-110	Shoe	
			4.5	11.6	13,216	19	Butt	P-110	Casing (short jt)	
			5"	0	13,197	2	Butt	P-110	float collar	
			4.5"	11.6	13,195	1,465	Butt	P-110	Casing	
			4.5	11.6	11,730	19	Butt	P-110	Marker jt	
			4.5"	11.6	11,711	3,152	Butt	P-110	Casing	
			4.5	11.6	8,559	19	Butt	P-110	Marker Jt	
			4.5"	11.6	8,540	8,543	Butt	P-110	Casing	
	Cement Details									
	Section	Sequence	Top	Density	Blend / Additives					
	Surface	Fill	0	8.6	/ 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	Fill	0	11.3	Mud Push / 50 BBl. F/W / D182 5.0 Lb/Bbl Turb. Spacer / D031					
		Lead	5,150	12.0	TXI /					
		Tail	8,090	13.0	Poz/A /					
	Tubing and Downhole Equipment									
	O.D.	Length	Depth	Description						
	0.000	22.00	22.00	ORIGINAL K.B.						
	7.062	0.85	22.85	2-3/8" X 5M TBG. HANGER						
	2.375	10,628.00	10,650.80	323 JTS. 2-3/8" EUE L-80 TBG.						
	2.375	1.10	10,651.90	API SEATING NIPPLE						
	2.375	10.40	10,662.30	SLOTTED PUP JT.						
	2.875	0.89	10,663.20	2-3/8" EUE B X 2-7/8" F/J P						
	2.875	1,810.48	12,473.70	57 JTS. 2-7/8" 6.5#/FT J-55 SP-2 F/J TBG.						
	2.875	0.58	12,474.30	BULL PLUG BOTTOM						
	Perforations									
	Stage 1	Date	From	To	Shots	Stage 4	Date	From	To	Shots
		01/14/2011	13,028	13,029	3		01/17/2011	11,743	11,744	3
			13,010	13,011	3			11,729	11,730	3
			12,993	12,994	3			11,717	11,718	3
			12,975	12,976	3			11,695	11,696	3
			12,952	12,953	3			11,683	11,684	3
			12,932	12,933	3			11,653	11,654	3
			12,870	12,871	3			11,637	11,638	3
			12,852	12,853	3			11,602	11,603	3
			12,835	12,836	3			11,560	11,561	3
			12,825	12,826	3			11,545	11,546	3
	Stage 10	Date	From	To	Shots	Stage 5	Date	From	To	Shots
		01/27/2011	9,987	9,988	3		01/18/2011	11,468	11,469	3
			9,971	9,972	3			11,459	11,460	3
			9,948	9,949	3			11,447	11,448	3
			9,933	9,934	3			11,400	11,401	3
			9,917	9,918	3			11,389	11,390	3
			9,908	9,909	3			11,379	11,380	3
			9,879	9,880	3			11,355	11,356	3
			9,866	9,867	3			11,344	11,345	3
			9,830	9,831	3			11,317	11,318	3
			9,827	9,828	3			11,300	11,301	3
	Stage 11	Date	From	To	Shots	Stage 6	Date	From	To	Shots
		01/28/2011	9,785	9,786	3		01/19/2011	11,232	11,233	3
			9,770	9,771	3			11,222	11,223	3
			9,752	9,753	3			11,198	11,199	3
			9,729	9,730	3			11,184	11,185	3
			9,706	9,707	3			11,159	11,160	3
			9,686	9,687	3			11,123	11,124	3
			9,663	9,664	3			11,098	11,099	3
			9,598	9,599	3			11,073	11,074	3
			9,555	9,556	3			11,035	11,036	3
			9,535	9,536	3			11,017	11,018	3
	Stage 12	Date	From	To	Shots	Stage 7	Date	From	To	Shots
		02/04/2011	9,486	9,487	3		01/20/2011	10,939	10,940	3
			9,471	9,472	3			10,908	10,909	3
			9,453	9,454	3			10,893	10,894	3
			9,437	9,438	3			10,865	10,866	3
			9,412	9,413	3			10,824	10,825	3
			9,397	9,398	3			10,813	10,814	3
			9,380	9,381	3			10,760	10,761	3
			9,340	9,341	3			10,732	10,733	3
			9,325	9,326	3			10,697	10,698	3
			9,301	9,302	3			10,667	10,668	3
	Stage 2	Date	From	To	Shots	Stage 8	Date	From	To	Shots
		01/14/2011	12,687	12,688	3		01/24/2011	10,616	10,617	3
			12,680	12,681	3			10,604	10,605	3
			12,637	12,638	3			10,592	10,593	3
			12,606	12,607	3			10,558	10,559	3
			12,587	12,588	3			10,522	10,523	3
			12,568	12,569	3			10,513	10,514	3
			12,536	12,537	3			10,475	10,476	3
			12,515	12,516	3			10,405	10,406	3
			12,488	12,489	3			10,367	10,368	3
			12,477	12,478	3			10,355	10,356	3
	Stage 3	Date	From	To	Shots	Stage 9	Date	From	To	Shots
		01/17/2011	12,358	12,359	3		01/26/2011	10,286	10,287	3
			12,345	12,346	3			10,236	10,237	3
			12,271	12,272	3			10,218	10,219	3
			12,245	12,246	3			10,210	10,211	3
			12,183	12,184	3			10,196	10,197	3
			12,167	12,168	3			10,174	10,175	3
			12,154	12,155	3			10,153	10,154	3
			12,120	12,121	3			10,135	10,136	3
			12,083	12,084	3			10,111	10,112	3
			12,066	12,067	3			10,071	10,072	3

**Frac Summary**  
 Stage 1 : 12,825 - 13,029, 30 - 0.420" shots, 12228 bbls of Slickwater, 83347 lbs of 20-40 Sand Report Date: 01/14/2011  
 Stage 2 : 12,477 - 12,688, 30 - 0.420" shots, 8412 bbls of Slickwater, 53109 lbs of 20-40 Sand Report Date: 01/17/2011  
 Stage 3 : 12,066 - 12,359, 30 - 0.420" shots, 9204 bbls of Slickwater, 39490 lbs of 20-40 Sand Report Date: 01/17/2011  
 Stage 4 : 11,545 - 11,744, 30 - 0.420" shots, 11154 bbls of Slickwater Report Date: 01/18/2011  
 Stage 5 : 11,300 - 11,469, 30 - 0.420" shots, 9915 bbls of Slickwater, 67766 lbs of 20-40 Sand Report Date: 01/19/2011  
 Stage 6 : 11,017 - 11,233, 30 - 0.420" shots, 11074 bbls of Slickwater, 60000 lbs of 20-40 Sand Report Date: 01/19/2011