

Downhole Schematic for Story Gulch Unit 8506C-25 F25 496



Project :North Piceance

API # :05045191570000

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

Area : Story Gulch

County :

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

As Of : 03/12/2011

GL : 8298.4 ft

KB to GL : 22.0 ft

KB : 8320.4 ft

Set @ 120	500 ft	Casing Details								
		Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
		Conductor	30.000	20	52.78	120	120		A53B	Line Pipe
	1000 ft	Surface	14.750	9.625	0	3,028	2	LT&C	K-55	Float Shoe
				9.625	36	3,027	42	LT&C	J-55	Casing
	1500 ft			9.625	0	2,984	2	LT&C	K-55	Float Collar
				9.625	36	2,983	468	LT&C	J-55	Casing
	2000 ft			9.625	0	2,515	2	LT&C		Air Collar
				9.625	36	2,513	896	LT&C	J-55	Casing
	2500 ft			9.625	0	1,618	2	LT&C		Port Collar
Set @ 3028	3000 ft			9.625	36	1,616	1,589	LT&C	J-55	Casing
				9.625	36	27	5	LT&C	J-55	Casing Head
	3500 ft			9.625	36	22	28	Butt	J-55	Landing Jt.
	4000 ft	Production	8.750	4.5	0	12,298	2	Butt	P110	Float Shoe
				4.5	11.6	12,297	22	Butt	P110	Shoe Joint
				4.5	0	12,274	2	Butt	P110	Float Collar
	4500 ft			4.5	11.6	12,273	1,466	Butt	P110	Casing
				4.5	11.6	10,806	23	Butt	P110	Marker A
	5000 ft			4.5	11.6	10,783	3,135	Butt	P110	Casing
				4.5	11.6	7,648	22	Butt	P110	Marker B
TOC @ 4112	5500 ft			4.5	11.6	7,626	7,631	Butt	P110	Casing
	6000 ft	Cement Details								
		Section	Sequence	Top	Density	Blend / Additives				
	6500 ft	Surface	Fill	0	8.6	/ 160 bbls Cemnet + mud 30 bbls Zone lock +50 bbls Mud push 9.0 LiteCrete / 0.8%D079 + 0.8% D065 + 0.4%D013 + 0.2% D046 + 0.25pps D029				
			Lead	0	9.0					
	7000 ft	Conductor	Tail	0	13.0	Control Set C /				
		Production	Fill	0	11.3	Mud push II / D031 183 lbs/ bbl + D182 5.0 lb/ bbl				
	7500 ft		Lead	4,112	12.0	TXI lead 12.0 ppg / 75.0 lb/sk D049 + .1.0 % D079 +0.1%D112				
						+0.9% D013+0.5% D046 +.25lb/sk D029				
			Tail	7,256	13.0	Rockies Correct 13.0ppg / 5.0%D044 + 80.00 lb/sk +11.00 lb/sk D035 + 35.0% D178 + 3.0% D020 + .4%D182 +.75 D112 + .4% D201 + .2% D065 +.2% D046 + .25lb/sk D029				
Stage 13	8000 ft	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	10,653.10	10,675.90	324 jts. 2 3/8" L80 4.7# Korean tbg.					
		3.063	1.10	10,677.00	2 3/8" flag nipple					
		3.063	32.80	10,709.80	1jt. 2 3/8" L80 4.7# Korean tbg.					
Stage 12	8500 ft	Stage 1							11,448	11,449 3
		Date	From	To	Shots				11,426	11,427 3
		01/14/2011	12,050	12,051	3				11,414	11,415 3
			12,032	12,033	3				11,404	11,405 3
			12,011	12,012	3				11,360	11,361 3
			12,005	12,006	3				11,356	11,357 3
			11,986	11,987	3	Stage 4	Date	From	To	Shots
Stage 11			11,926	11,927	3		01/17/2011	11,213	11,214	3
			11,924	11,925	3			11,204	11,205	3
	9000 ft		11,904	11,905	3			11,193	11,194	3
			11,894	11,895	3			11,072	11,073	3
			11,890	11,891	3			11,065	11,066	3
		Stage 10						11,015	11,016	3
		Date	From	To	Shots			10,995	10,996	3
Stage 10		01/26/2011	9,266	9,267	3			10,945	10,946	3
			9,253	9,254	3			10,912	10,913	3
			9,240	9,241	3			10,893	10,894	3
			9,229	9,230	3	Stage 5	Date	From	To	Shots
	9500 ft		9,174	9,175	3		01/18/2011	10,830	10,831	3
			9,153	9,154	3			10,826	10,827	3
			9,116	9,117	3			10,791	10,792	3
Stage 9			9,102	9,103	3			10,780	10,781	3
			9,038	9,039	3			10,752	10,753	3
			9,027	9,028	3			10,705	10,706	3
		Stage 11						10,670	10,671	3
		Date	From	To	Shots			10,660	10,661	3
	10000 ft	01/27/2011	8,983	8,984	3			10,642	10,643	3
			8,977	8,978	3			10,587	10,588	3
Stage 8			8,947	8,948	3	Stage 6	Date	From	To	Shots
			8,910	8,911	3		01/19/2011	10,511	10,512	3
			8,866	8,867	3			10,504	10,505	3
			8,853	8,854	3			10,464	10,465	3
			8,806	8,807	3			10,437	10,438	3
			8,796	8,797	3			10,427	10,428	3
			8,763	8,764	3			10,416	10,417	3
Stage 7			8,747	8,748	3			10,427	10,428	3
	10500 ft	Stage 12						10,416	10,417	3
		Date	From	To	Shots			10,339	10,340	3
		01/28/2011	8,714	8,715	3			10,286	10,287	3
			8,700	8,701	3			10,237	10,238	3
			8,685	8,686	3			10,227	10,228	3
			8,672	8,673	3	Stage 7	Date	From	To	Shots
Stage 6			8,655	8,656	3		01/20/2011	10,198	10,199	3
			8,643	8,644	3			10,163	10,164	3
			8,632	8,633	3			10,155	10,156	3
	11000 ft		8,526	8,527	3			10,084	10,085	3
			8,515	8,516	3			10,074	10,075	3
			8,502	8,503	3			10,062	10,063	3
		Stage 13						10,025	10,026	3
Stage 5		Date	From	To	Shots			10,017	10,018	3
		01/31/2011	8,470	8,471	3			9,979	9,980	3
			8,459	8,460	3			9,967	9,968	3
			8,443	8,444	3	Stage 8	Date	From	To	Shots
			8,421	8,422	3		01/24/2011	9,939	9,940	3
			8,367	8,368	3			9,905	9,906	3
	11500 ft		8,306	8,307	3			9,887	9,888	3
Stage 4			8,285	8,286	3			9,875	9,876	3
			8,240	8,241	3			9,816	9,817	3
			8,215	8,216	3			9,785	9,786	3
			8,203	8,204	3			9,771	9,772	3
		Stage 2						9,725	9,726	3
		Date	From	To	Shots			9,715	9,716	3
	12000 ft	01/14/2011	11,836	11,837	3	Stage 9	Date	From	To	Shots
Stage 3			11,825	11,826	3		01/25/2011	9,634	9,635	3
			11,805	11,806	3			9,590	9,591	3
			11,742	11,743	3			9,570	9,571	3
			11,736	11,737	3			9,540	9,541	3
			11,723	11,724	3			9,508	9,509	3
			11,681	11,682	3			9,492	9,493	3
			11,650	11,651	3			9,468	9,469	3
Set @ 12298			11,645	11,646	3			9,428	9,429	3
			11,586	11,587	3			9,374	9,375	3
		Stage 3						9,349	9,350	3
		Date	From	To	Shots					
		01/17/2011	11,559	11,560	3					
			11,554	11,555	3					
			11,544	11,545	3					
PBTD @ 12272 TD @ 12325			11,538	11,539	3					

Report by Decision Dynamics Technology Ltd. Wellcore

May 23, 2011 1:14 PM

Frac Summary
Stage 1 : 11,890 - 12,051, 30 - 0.420" shots, 3945 bbls of Slickwater, 23740 lbs of 20-40 Sand Report Date: 01/14/2011
Stage 2 : 11,586 - 11,837, 30 - 0.420" shots, 4369 bbls of Slickwater, 27781 lbs of 20-40 Sand Report Date: 01/14/2011