

Downhole Schematic for Story Gulch Unit 8501A-36 B36 496



Project :North Piceance

API # :05045189960000

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

Area : Story Gulch

County :

BHL : Lot 1-36-4S-96 W 6th PM

As Of : 10/06/2010

GL : 8351.7 ft

KB to GL : 22.0 ft

KB : 8373.7 ft

Set @ 120	-500 ft	Casing Details		Hole	Casing	Mass	Set At	Length	Thread	Grade	Description		
		Section	Conductor	30.000	20	52.78	120	120		A53B	Line Pipe		
	-1000 ft	Surface	14.750	9.625	0	3,118	2	LT&C	K-55	Guide Shoe			
	-1500 ft			9.625	36	3,117	38	LT&C	K-55	Casing			
				9.625	0	3,079	2	LT&C	K-55	Float Collar			
	-2000 ft			9.625	36	3,077	559	LT&C	K-55	Casing			
				9.625	0	2,518	2	LT&C		Parasite Sub			
	-2500 ft			9.625	36	2,516	1,160	LT&C	K-55	Casing			
				9.625	0	1,356	3	LT&C		Port Collar			
	-3000 ft			9.625	36	1,353	1,324	LT&C	K-55	Casing			
Set @ 3118	-3500 ft			9.625	36	30	5	LT&C	J-55	Wood Group Head			
				9.625	36	25	25	LT&C	J-55	Landing Joint			
	-4000 ft	Production	8.750	4.5	0	12,275	1	LT&C	P-110	Texas Guide Shoe			
				4.5	11.6	12,274	22	LT&C	P-110	Casing			
	-4500 ft			4.5	0	12,252	2	LT&C	P-110	Float Collar			
				4.5	11.6	12,250	22	LT&C	P-110	Casing			
	-5000 ft			4.5	0	12,228	2	LT&C	P-110	Float Collar			
				4.5	11.6	12,227	1,461	LT&C	P-110	Casing			
	-5500 ft			4.5	11.6	10,765	22	LT&C	P-110	Casing / Marker			
				4.5	11.6	10,744	2,367	LT&C	P-110	Casing			
TOC @ 3635	-6000 ft			4.5	11.6	8,377	22	LT&C	P-110	Casing / Marker			
				4.5	11.6	8,355	1,826	LT&C	P-110	Casing			
	-6500 ft			4.5	0	6,528	2	LT&C	P-110	DV Collar			
				4.5	11.6	6,526	6,527	LT&C	P-110	Casing			
	-7000 ft												
	-7500 ft	Cement Details											
		Section	Sequence	Top	Density	Blend / Additives							
	-8000 ft	Surface	Tail	0	12.5	Poz/A /							
		Production	Lead	1,200	9.0	LiteCrete / 0.8%D079+							
				0	0.0	/ 2nd. Stage							
		Lead	3,635	9.0	9.0Lite Crete /								
					0.8%D079+0.8%D065+0.6%D013+0.2%D046+0.25ppsD029								
		Tail	5,500	15.8	G / D907+0.2%D112+0.2%D013+0.2%D065+0.2%D046+0.25ppsD029								
		Lead	6,186	11.0	POZ/G Extended /								
					5%D044+12%D020+2%D79+1.5%D013+0.2%D046+0.25pps D029								
		Tail	8,600	13.0	Rockies Correct /								
-8500 ft					35%D178+5%D020+3%D0200.4%D182+0.75%D112+0.3%D021+0.2%D046+0.25ppsD029								
		Conductor	Tail	0	13.0	Control set C /							
Stage 12	Tubing and Downhole Equipment												
	O.D.	Length	Depth	Description									
	0.000	22.00	22.00	KB ISS 20 Rig									
	7.062	0.90	22.90	Wood Group 7 1/16 Tubing Hanger									
	2.375	10,573.30	10,596.20	Jts 2 3/8 4.6# USA Tubing									
	2.375	1.10	10,597.30	Flag Nipple									
	2.375	30.50	10,627.80	1 Jt 2 3/8 4.6# USA Tubing									
	-9000 ft	2.375	1.10	10,628.90	2 3/8 Seating Nipple								
		2.375	10.10	10,639.00	2 3/8 L-80 4.6# Pup Jt								
Stage 10	Perforations												
	Stage 1	Date	From	To	Shots	Stage 4	Date	From	To	Shots			
		09/09/2010	11,984	11,985	3		09/17/2010	11,101	11,102	3			
			11,944	11,945	3			11,081	11,082	3			
			11,905	11,906	3			11,059	11,060	3			
	Stage 9			11,878	11,879	3			11,024	11,025	3		
		-9500 ft		11,857	11,858	3			10,998	10,999	3		
				11,772	11,773	3			10,978	10,979	3		
				11,751	11,752	3			10,960	10,961	3		
		Stage 8			11,729	11,730	3			10,913	10,914	3	
				11,717	11,718	3			10,882	10,883	3		
				11,683	11,684	3			10,851	10,852	3		
Stage 10			Date	From	To	Shots	Stage 5	Date	From	To	Shots		
			09/23/2010	9,401	9,402	3		09/17/2010	10,785	10,786	3		
Stage 7			-10000 ft		9,393	9,394	3			10,757	10,758	3	
				9,365	9,366	3			10,754	10,755	3		
				9,323	9,324	3			10,718	10,719	3		
				9,314	9,315	3			10,679	10,680	3		
				9,274	9,275	3			10,672	10,673	3		
			9,268	9,269	3			10,643	10,644	3			
			9,245	9,246	3			10,638	10,639	3			
			9,238	9,239	3			10,607	10,608	3			
	Stage 6		9,203	9,204	3			10,594	10,595	3			
	Stage 6	Stage 11	Date	From	To	Shots	Stage 6	Date	From	To	Shots		
		09/27/2010	9,157	9,158	3		09/19/2010	10,554	10,555	3			
-10500 ft			9,131	9,132	3			10,549	10,550	3			
			9,109	9,110	3			10,525	10,526	3			
			9,071	9,072	3			10,494	10,495	3			
			9,055	9,056	3			10,474	10,475	3			
			9,044	9,045	3			10,451	10,452	3			
			8,962	8,963	3			10,426	10,427	3			
Stage 4				8,943	8,944	3			10,396	10,397	3		
				8,930	8,931	3			10,382	10,383	3		
			8,921	8,922	3			10,343	10,344	3			
	Stage 12	Date	From	To	Shots	Stage 7	Date	From	To	Shots			
		09/28/2010	8,882	8,883	3		09/20/2010	10,055	10,556	3			
	Stage 3			8,832	8,833	3			10,263	10,264	3		
				8,806	8,807	3			10,233	10,234	3		
				8,787	8,788	3			10,202	10,203	3		
				8,753	8,754	3			10,193	10,195	3		
				8,738	8,739	3			10,162	10,163	3		
			8,688	8,689	3			10,155	10,156	3			
			8,667	8,668	3			10,070	10,071	3			
-11500 ft			8,652	8,653	3			10,039	10,040	3			
			8,635	8,636	3			10,007	10,008	3			
Stage 1		Stage 2	Date	From	To	Shots	Stage 8	Date	From	To	Shots		
		09/15/2010	11,625	11,626	3		09/21/2010	9,958	9,959	3			
			11,611	11,612	3			9,954	9,955	3			
			11,604	11,605	3			9,913	9,914	3			
			11,573	11,574	3			9,879	9,880	3			
			11,539	11,540	3			9,843	9,844	3			
			11,507	11,508	3			9,833	9,834	3			
	-12000 ft		11,484	11,485	3			9,762	9,763	3			
			11,460	11,461	3			9,731	9,732	3			
			11,420	11,421	3			9,708	9,709	3			
		11,390	11,391	3			9,696	9,697	3				
Set @ 12275	Stage 3	Date	From	To	Shots	Stage 9	Date	From	To	Shots			
		09/16/2010	11,351	11,352	3		09/22/2010	9,650	9,651	3			
			11,337	11,338	3			9,643	9,644	3			
			11,310	11,311	3			9,638	9,639	3			
			11,294	11,295	3			9,624	9,625	3			
			11,251	11,252	3			9,603	9,604	3			
			11,224	11,225	3			9,538	9,539	3			
			11,205	11,206	3			9,518	9,519	3			
			11,167	11,168	3			9,510	9,511	3			
			11,163	11,164	3			9,478	9,479	3			
		11,147	11,148	3			9,447	9,448	3				
PBDT @ 12226 TD @ 12285													

Report by Decision Dynamics Technology Ltd. Wellcore

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