

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



Project :North Piceance

API # :05045190030000

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

Area : Story Gulch

County :

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

As Of : 10/05/2010

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	30.000	20	0		120	120			20" Line Pipe
	-1000 ft	Surface		14.750	9.625	36	3,074	2	LT&C	K-55	Guide Shoe
	-1500 ft				9.625	36	3,073	38	LT&C	K-55	Casing
					9.625	36	3,035	2	LT&C	K-55	Float Collar
	-2000 ft				9.625	36	3,033	563	LT&C	K-55	Casing
					9.625	36	2,470	2	LT&C	K-55	Parasite Sub
	-2500 ft				9.625	36	2,468	1,088	LT&C	K-55	Casing
					9.625	36	1,381	3	LT&C	K-55	Port Collar
	-3000 ft				9.625	36	1,378	1,348	LT&C	K-55	Casing
Set @ 3074	-3500 ft				9.625	36	30	5	LT&C	K-55	Wellhead
	-3500 ft				9.625	36	25	25	LT&C	K-55	Landing Joint
	-4000 ft	Production	7.875	4.5	0	12,316	1	LT&C	P-110	Texas Guide Shoe	
				4.5	11.6	12,315	22	LT&C	P-110	Casing	
	-4500 ft			4.5	0	12,293	2	LT&C	P-110	Float Collar	
				4.5	11.6	12,292	22	LT&C	P-110	Casing	
	-5000 ft			4.5	0	12,270	2	LT&C	P-110	Float Collar	
				4.5	11.6	12,268	1,469	LT&C	P-110	Casing	
	-5500 ft			4.5	11.6	10,799	22	LT&C	P-110	Casing / Marker	
				4.5	11.6	10,777	2,377	LT&C	P-110	Casing	
TOC @ 2350	-6000 ft			4.5	11.6	8,400	22	LT&C	P-110	Casing / Marker	
				4.5	11.6	8,378	2,292	LT&C	P-110	Casing	
	-6500 ft			4.5	0	6,086	2	LT&C	P-110	DV Collar	
				4.5	11.6	6,084	6,085	LT&C	P-110	Casing	
	-7000 ft	Cement Details									
		Section	Sequence	Top	Density	Blend / Additives					
	-8000 ft	Conductor	Tail	0	13.0	Control set C /					
		Surface	Tail	0	9.0	9# LiteCRETE / .8% D079, .8%D065, .4%D013, .2%D046, .25#/sk D029, 2#/sk D095					
		Production	Lead	2,350	9.0	9.0 LiteCrete / LiteCrete Blend+ .8%D079+ .8%D065+ .6%D013+ .2%D046+ .25pps D029					
			Tail	5,791	15.8	15.8 ppg "G" Tail / D907+ .2%D112+ .2%D013+ .2%D065+ .2%D046+ .25pps D29					
Stage 11			Lead	6,080	11.0	11.0 ppg Extended Lead / 50/50 Poz/G + 5%D044 + 12%D020 + 2.0%D79 + 1.6%D013 + .2%D046 + .25 ppsD029					
			Tail	8,361	13.0	13.0 ppg Rockies Correct GMS Enc / Rockies Correct + 35%D178 + 5%D044+ 3%D020+ .4%D182+ .75%D112+ .3%D201+ .2%D065+ .2%D046+ .25pps D029					
	-8500 ft	Tubing and Downhole Equipment									
		O.D.	Length	Depth	Description						
		0.000	22.00	22.00	KB ISS 20 Rig						
		7.063	0.90	22.90	Wood Group 7 1/16 Tubing Hanger						
		2.375	10,534.30	10,557.20	341 Jt 2 3/8 L-80 4.60 USA TBG						
		2.375	1.10	10,558.30	2 3/8 Flag Nipple						
		2.375	30.50	10,588.80	1 Jt 2 3/8 L-80 4.60 USA TBG						
		2.375	1.10	10,589.90	2 3/8 Seating Nipple						
Stage 10	-9000 ft	2.375	10.10	10,600.00	2 3/8 L-80 4.60 Pup JT						
	Perforations										
		Stage 1									
		Date	From	To	Shots						
		09/09/2010	11,923	11,924	3		11,001	11,002	3		
			11,908	11,909	3		10,973	10,974	3		
			11,875	11,876	3		10,916	10,917	3		
			11,860	11,861	3		10,900	10,901	3		
	-9500 ft		11,845	11,846	3		10,887	10,888	3		
			11,766	11,767	3		10,847	10,848	3		
Stage 8			11,757	11,758	3						
			11,745	11,746	3						
			11,723	11,724	3						
			11,703	11,704	3						
		Stage 10									
		Date	From	To	Shots						
		09/27/2010	9,276	9,277	3		10,637	10,638	3		
			9,250	9,251	3		10,632	10,633	3		
	-10000 ft		9,239	9,240	3		10,612	10,613	3		
			9,200	9,201	3		10,563	10,564	3		
Stage 6			9,147	9,148	3		10,555	10,556	3		
			9,143	9,144	3		10,534	10,535	3		
			9,129	9,130	3						
			9,077	9,078	3						
			9,054	9,055	3						
			9,049	9,050	3						
		Stage 11									
		Date	From	To	Shots						
	-10500 ft	09/28/2010	8,945	8,946	3		10,427	10,428	3		
			8,935	8,936	3		10,409	10,410	3		
Stage 5			8,925	8,926	3		10,391	10,392	3		
			8,867	8,868	3		10,374	10,375	3		
			8,817	8,818	3		10,348	10,349	3		
			8,801	8,802	3		10,330	10,331	3		
			8,758	8,759	3		10,262	10,263	3		
			8,695	8,696	3						
			8,665	8,666	3						
			8,635	8,636	3						
	-11000 ft	Stage 2									
		Date	From	To	Shots						
Stage 3		09/15/2010	11,607	11,608	3		10,409	10,410	3		
			11,605	11,606	3		10,391	10,392	3		
			11,550	11,551	3		10,374	10,375	3		
			11,522	11,523	3		10,348	10,349	3		
			11,516	11,517	3		10,330	10,331	3		
			11,476	11,477	3		10,262	10,263	3		
			11,464	11,465	3						
			11,436	11,437	3						
	-11500 ft		11,428	11,429	3						
			11,391	11,392	3						
Stage 1		Stage 3									
		Date	From	To	Shots						
		09/16/2010	11,356	11,357	3		10,427	10,428	3		
			11,327	11,328	3		10,409	10,410	3		
			11,308	11,309	3		10,391	10,392	3		
			11,292	11,293	3		10,374	10,375	3		
			11,227	11,228	3		10,348	10,349	3		
			11,213	11,214	3		10,330	10,331	3		
	-12000 ft		11,208	11,209	3		10,262	10,263	3		
			11,158	11,159	3						
Set @ 12316			11,156	11,157	3						
			11,131	11,132	3						
		Stage 4									
		Date	From	To	Shots						
		09/17/2010	11,072	11,073	3		9,835	9,836	3		
			11,071	11,072	3		9,830	9,831	3		
			11,056	11,057	3		9,825	9,826	3		
			11,011	11,012	3		9,757	9,758	3		
							9,751	9,752	3		
							9,721	9,722	3		
PBTD @ 12260 TD @ 12338											