

Downhole Schematic for ROSS 2-4-19



Project :DJ Basin

API # :05123333170000

Surface Location :Sec 19 T2N - R68W 6th PM

Area : Wattenberg

County :

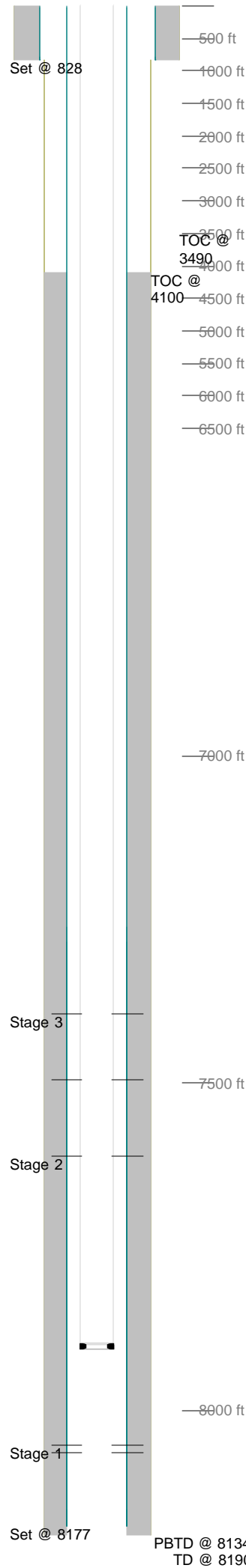
BHL :

As Of : 03/13/2012

GL : 4988.0 ft

KB to GL : 13.0 ft

KB : 5001.0 ft



Casing Details									
Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description	
Surface	12.250		0	828	1			GS	
		8.625	24	827	40		J55	SJ / BAFFLE	
		8.625	24	787	774		J55	CSG	
			0	13	13			LJ	
Production	7.875		0	8,177	1			Guide Shoe	
			11.6	8,176	23		N-80	Shoe Jt	
			0	8,153	1			Float Collar	
		4.5	11.6	8,152	866		N-80	Casing	
		4.5	11.6	7,286	23		N-80	Marker Jt	
		4.5	11.6	7,263	7,250		N-80	Casing	
		4.5	11.6	13	13		N-80	Landing Jt	
Cement Details									
Section	Sequence	Top	Density	Blend / Additives					
Surface	Lead	0	14.5	TYPE III Cmt Class C / + .08 lbs/sk Static Free + 1.5% Calcium Chloride + .15 lbs/sk Cello Flake + 60.5% Fresh Water.					
Production	Lead	4,100	12.5	Premium Lite Cmt / +0.1% R-3 + 0.2% CD-32 +0.7% FL-63 + 0.2% ASA-301 + 6% Bentonite + 3 lbs/sx CSE-2					
	Tail	6,800	13.5	(50:50 Poz,Fly Ash / Class G Cmt + 0.1% R-3 + 0.6% FL-63 + 3% Bentonite + 0.1% SM + 20% Silica Flour					
Tubing and Downhole Equipment									
O.D.	Length	Depth	Description						
0.000	10.00	10.00	KB						
2.375	7,888.41	7,898.41	243 jts. 2 3/8 J55						
2.375	1.10	7,899.51	2 3/8 S/N						
2.375	10.00	7,909.51	10' 2 3/8 Tbg. sub						
0.000	0.95	7,910.46	Pump off bit sub						
Perforations									
Stage 1	Date	From	To	Shots	Stage 3	Date	From	To	Shots
	02/22/2012	8,066	8,086	40		02/22/2012	7,495	7,499	16
		8,054	8,060	12			7,394	7,399	20
Stage 2	Date	From	To	Shots					
Frac Summary									
Stage 1 : 8,054 - 8,086, 52 - 0.420" shots, 3825 bbls of Hybrid pHaserFrac, 246140 lbs of 20/40 Ottawa									
Report Date: 02/22/2012									
Stage 2 : 7,612 - 7,626, 42 - 0.420" shots, 2755 bbls of Hybrid pHaserFrac, 250000 lbs of 30/50 Sand									
Report Date: 02/26/2012									
Stage 3 : No Frac									
Bridge Plug Details									
Depth	Date Set	Plug Type	Sacks Cement						
7,670.0	02/23/2012		0						
7,540.0	02/27/2012		0						
at 7,670.0 drilled out 03/13/2012									
at 7,540.0 drilled out 03/13/2012									