

Downhole Schematic for ROSS 4-2-19



Project :DJ Basin

Area : Wattenberg

As Of : 03/15/2012

API # :05123333130000

County :

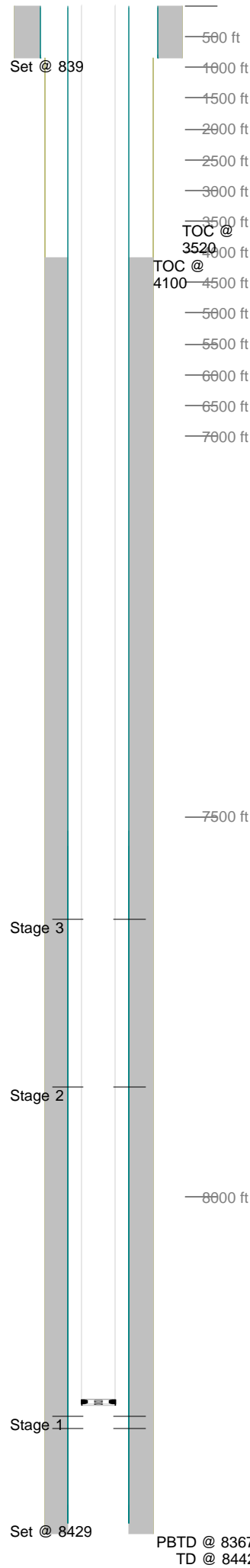
GL : 4988.0 ft

Surface Location :

BHL :

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	839	1			GS	
		8.625	24	838	41	ST&C	J55	SJ / BAFFLE	
		8.625	24	797	784	ST&C	J55	CSG	
			0	13	13			LJ	
Production	7.875		0	8,429	1	LT&C		Guide Shoe	
				8,428	21	LT&C	N-80	Shoe Jt	
		4.5	11.6	8,406	1	LT&C		Float Collar	
			0	8,405	866	LT&C	N-80	Casing	
		4.5	11.6	7,539	20	LT&C	N-80	Marker Jt	
		4.5	11.6	7,519	7,505	LT&C	N-80	Casing	
		4.5	11.6	13	13	LT&C	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-52 + 0.2% ASA-301 + 6% Bentonite + 3 lbs/sx CSE-2					
	Tail	7,100	13.5	(50:50 Poz,Fly Ash / Class G Cmt + 0.1% R-3 + 0.6% FL-52 + 3% Bentonite + 0.1% SMS + 20% Silica Flour					
Tubing and Downhole Equipment									
O.D.	Length	Depth	Description						
0.000	10.00	10.00	KB						
2.375	8,255.66	8,265.66	251 jts new 2 3/8 J55						
2.375	1.10	8,266.76	2 3/8 Seattng nipple						
2.376	10.00	8,276.76	10' tbgr. sub						
0.000	0.90	8,277.66	BOPS Top 1/2						
Perforations									
Stage 1	Date	From	To	Shots	Stage 3	Date	From	To	Shots
	02/17/2012	8,305	8,323	36		02/23/2012	7,856	7,873	51
Stage 2		8,289	8,294	10		Date	From	To	Shots
						02/23/2012	7,635	7,650	60
Frac Summary									
Stage 1 : 8,289 - 8,323, 46 - 0.420" shots, 3889 bbls of Hybrid pHaserFrac, 251980 lbs of 20/40 Ottawa									
Report Date: 02/23/2012									
Stage 2 : 7,856 - 7,873, 51 - 0.420" shots, 5046 bbls of FR Water, 154000 lbs of 30/50 Sand Report Date: 02/26/2012									
Stage 3 : 7,635 - 7,650, 60 - 0.420" shots, 5290 bbls of FR Water, 161820 lbs of 30/50 Sand Report Date: 02/27/2012									
Bridge Plug Details									
Depth	Date Set	Plug Type	Sacks Cement						
0.0	12:00:00 AM		0						
0.0	12:00:00 AM		0						