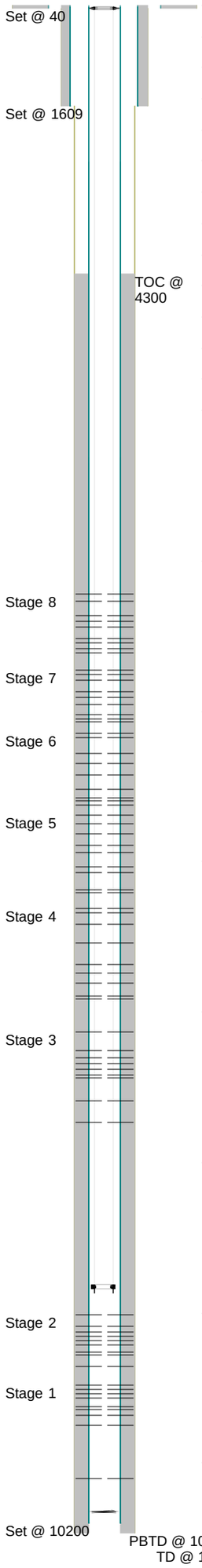
Downhole Schematic for Rose Ranch 23-6B1 (A22W)

Project : South Piceance | API # : 05045200090000 | Surface Location : NENE Sec 22 T7S - R93W 6th PM

Area : Mamm Creek | County : | BHL : SWNW-23-7S-93 W 6th PM

As Of : 08/05/2011 | GL : 6789.7 ft | KB to GL : 22.0 ft | KB : 6811.7 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42	40	40		A52A	Joint
Surface	12.250	9.625	36	1,609	2	LT&C	J55	Float Shoe
		9.625	36	1,608	44	LT&C	J55	Casing
			0	1,564	0			Insert
		9.625	36	1,564	1,537	LT&C	J55	Casing
		9.625	36	27	2	LT&C	J55	Pup
		11	0	25	3			Well Head
			0	21	26			Landing Joint
Production	8.750	4.5	11.6	10,200	1	LT&C	E-80	Float shoe
		4.5	11.6	10,199	41	LT&C	E-80	Casing
		4.5	11.6	10,158	1	LT&C	E-80	Float collar
		4.5	11.6	10,156	2,428	LT&C	E-80	Casing
		4.5	11.6	7,729	23	LT&C	E-80	Marker jnt
		4.5	11.6	7,706	1,027	LT&C	E-80	Casing
		4.5	11.6	6,679	23	LT&C	E-80	Marker jnt
		4.5	11.6	6,656	4,153	LT&C	E-80	Casing
		4.5	11.6	2,503	2,476	LT&C	P110	Casing
		11	0	28	5	LT&C	P-110	Mandril
		4.5	11.6	23	23	LT&C	P-110	Landing jnt

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Fill	0	0.0	40 yards redi mix /
Surface	Lead	0	12.5	12.5 Surface Lead / G(D907)+2%D79+0.2%D46+0.3% D29
	Tail	1,327	15.8	15.8 Class G / D907+1.25%S001+0.2%DO46+0.25ppsD29
Production	Lead	4,300	12.0	TXI GMS Lead / 0.5% D046, 0.95% D013, 1% D079, 0.25 lb/sk D029
	Tail	7,291	13.0	TXI GMS Tail / 35% D066, 1% D079, 0.4% D112, 0.95% D013, 0.2% D046, 0.25 lb/sk D029

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	below KB
4.063	0.85	20.85	4 1/6 W.G. 5 K hanger
2.594	0.67	21.52	saver sub
2.375	9,385.10	9,406.62	286 jts 2 3/8 L80 4.7# eue
3.063	0.97	9,407.59	f nipple
2.375	31.70	9,438.65	1 jt 2 3/8 L80 4.7# eue
3.125	0.92	9,440.21	top of POBS
3.125	1.22	10,156.00	POBS and bit

Perforations

Stage	Date	From	To	Shots
1	07/21/2011	10,050	10,051	3
		9,872	9,873	3
		9,840	9,841	3
		9,822	9,823	3
		9,810	9,811	3
		9,782	9,783	3
		9,768	9,769	3
		9,752	9,753	3
		9,738	9,739	3
2	07/22/2011	9,680	9,681	3
		9,638	9,639	3
		9,628	9,629	3
		9,606	9,607	3
		9,592	9,593	3
		9,576	9,577	3
		9,564	9,565	3
		9,542	9,543	3
		9,504	9,505	3
3	07/22/2011	8,868	8,869	3
		8,794	8,795	3
		8,720	8,721	3
		8,708	8,709	3
		8,692	8,693	3
		8,670	8,671	3
		8,652	8,653	3
		8,626	8,627	3
		8,564	8,565	3
4	07/23/2011	8,458	8,459	3
		8,448	8,449	3
		8,404	8,405	3
		8,370	8,371	3
		8,342	8,343	3
		8,268	8,269	3
		8,208	8,209	3
		8,168	8,169	3
		8,154	8,155	3
5	07/25/2011	8,104	8,105	3
		8,092	8,093	3
		8,036	8,037	3
		8,016	8,017	3
		7,972	7,973	3
		7,948	7,949	3
		7,908	7,909	3
		7,872	7,873	3
		7,848	7,849	3
6	07/27/2011	7,814	7,815	3
		7,798	7,799	3
		7,790	7,791	3
		7,760	7,761	3
		7,714	7,715	3
		7,672	7,673	3
		7,642	7,643	3
		7,586	7,587	3
		7,574	7,575	3
7	Date	7,536	7,537	3
		7,524	7,525	3
		7,510	7,511	3
		7,476	7,477	3
		7,452	7,453	3
		7,436	7,437	3
		7,398	7,399	3
		7,380	7,380	3
		7,362	7,363	3
8	07/28/2011	7,308	7,309	3
		7,290	7,291	3
		7,274	7,275	3
		7,258	7,259	3
		7,220	7,221	3
		7,202	7,203	3
		7,182	7,183	3
		7,134	7,135	3
		7,110	7,111	3

Frac Summary

Stage 1 : 9,738 - 10,051, 27 - 0.340" shots, 13733 bbls of Slickwater Report Date: 07/21/2011
Stage 2 : 9,504 - 9,681, 27 - 0.340" shots, 13552 bbls of Slickwater Report Date: 07/22/2011
Stage 3 : 8,564 - 8,869, 27 - 0.340" shots, 13718 bbls of Slickwater Report Date: 07/22/2011
Stage 4 : 8,154 - 8,459, 27 - 0.340" shots, 9000 bbls of Slickwater Report Date: 07/25/2011
Stage 5 : 7,848 - 8,105, 27 - 0.340" shots, 12915 bbls of Slickwater Report Date: 07/26/2011
Stage 6 : 7,574 - 7,815, 6971 bbls of Slickwater Report Date: 07/27/2011
Stage 7 : 7,362 - 7,537, 13200 bbls of Slickwater Report Date: 07/28/2011
Stage 8 : 7,110 - 7,309, 27 - 0.340" shots, 15200 bbls of Slickwater Report Date: 07/28/2011

Comments

SIBH 8/5/11 0 psi