

Downhole Schematic for Federal 11-7C (RD11)



Project :South Piceance		API # :05045201870000		Surface Location : NWNW Sec 11 T7S - R94W 6th F						
Area : Rulison		County :		BHL : NWNW-11-7S-94 W 6th PM						
As Of : 03/29/2012		GL : 6388.0 ft		KB to GL : 22.0 ft		KB : 6410.0 ft				
<div>Set @ 40</div> <div>Set @ 1432</div> <div>TOC @ 2992</div>	500 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	0	1,432	2	LT&C		Float Shoe
				9.625	36	1,431	1,403	LT&C	J55	Casing Joints
				9.625	0	28	5	LT&C		Wellhead
				9.625	36	23	26	LT&C	J55	Landing Joint
		Production	8.750	4.5	0	9,552	1	Butt		Float Shoe
				4.5	11.6	9,551	44	Butt	S80	Shoe Joint
				4.5	0	9,507	1	Butt		Float Collar
Stage 11	2000 ft			4.5	11.6	9,506	2,009	Butt	S80	Casing Joints
				4.5	11.6	7,497	22	Butt	S80	Marker Joint
	2500 ft			4.5	11.6	7,475	965	Butt	S80	Casing Joints
				4.5	11.6	6,510	22	Butt	S80	Marker Joint
	3000 ft			4.5	11.6	6,488	6,460	Butt	S80	Casing Joints
				4.5	0	29	5	Butt		Mandrel
				4.5	11.6	24	27	Butt	P110	Landing Joint
	3500 ft	Cement Details								
		Section	Sequence	Top	Density	Blend / Additives				
	4000 ft	Surface		0	8.3	Water 20 bbl /				
Stage 10			Lead	0	12.5	G Lead / G + 2.0% DO79 + 0.2% DO46 + 0.25#/sx DO29				
			Tail	1,059	15.8	G Tail / G + 1.0% S001 + 0.2% DO46 + 0.25#/sx DO29				
	4500 ft	Production	Scavenger	2,992	11.3	Mud push II 40 /				
			Lead	4,144	12.0	TXI / D049 75# SK, D079 1%, D013 .9%, D046 .5%, D029 .25LB/SK				
			Tail	6,586	13.0	TXI / D049 75# SK, D020 3%, D112 .2%, D013 .5%, D046 .5%, D029 .25LB/SK				
	5000 ft	Conductor	Fill	0	0.0	4 yards redi mix /				
	5500 ft	Tubing and Downhole Equipment								
		O.D.	Length	Depth	Description					
		0.000	20.00	20.00						
Stage 09		4.063	0.87	20.87	4-1/16" 10k WG hanger					
		2.594	0.67	21.54	2-3/8" N-80 Saver Sub					
		2.375	7,946.66	7,968.20	241 jts of 2-3/8" 4.7# EUE L-80					
		3.063	0.97	7,969.17	1.81" I.D. "F" profile nipple					
		2.375	33.02	8,002.19	1 jt of 2-3/8" 4.7# EUE L-80					
		3.063	0.92	8,003.11	Top of POBS					
		3.750	0.97	9,506.00	Btm of POBS & 3-3/4" Bit					
	6000 ft	Perforations								
		Stage	01							
		Date		From	To	Shots				
Stage 08		02/14/2012		9,420	9,421	3		7,414	7,415	3
				9,384	9,385	3		7,380	7,381	3
				9,370	9,371	3		7,330	7,331	3
				9,350	9,351	3		7,312	7,313	3
				9,330	9,331	3		7,266	7,267	3
				9,310	9,311	3	Stage 07			
				9,268	9,269	3	Date			
				9,250	9,251	3	02/27/2012	From	To	Shots
				9,224	9,225	3		7,228	7,229	3
								7,214	7,215	3
Stage 07								7,182	7,183	3
								7,150	7,151	3
								7,120	7,121	3
								7,078	7,079	3
								7,068	7,069	3
								7,044	7,045	3
								7,028	7,029	3
							Stage 08			
							Date			
							03/03/2012	From	To	Shots
Stage 06								6,984	6,985	3
								6,958	6,959	3
								6,942	6,943	3
								6,918	6,919	3
								6,874	6,875	3
								6,860	6,861	3
								6,838	6,839	3
								6,824	6,825	3
								6,810	6,811	3
							Stage 09			
Stage 05							Date			
							03/05/2012	From	To	Shots
								6,776	6,777	3
								6,758	6,759	3
								6,744	6,745	3
								6,716	6,717	3
								6,686	6,687	3
								6,648	6,649	3
								6,620	6,621	3
								6,608	6,609	3
Stage 04								6,596	6,597	3
							Stage 10			
							Date			
							03/07/2012	From	To	Shots
								6,560	6,561	3
								6,534	6,535	3
								6,522	6,523	3
								6,452	6,453	3
								6,388	6,389	3
								6,360	6,361	3
Stage 03								6,318	6,319	3
								6,294	6,295	3
								6,274	6,275	3
							Stage 11			
							Date			
							03/08/2012	From	To	Shots
								6,242	6,243	3
								6,198	6,199	3
								6,176	6,177	3
								6,158	6,159	3
Stage 02								6,148	6,149	3
								6,116	6,117	3
								6,092	6,093	3
								6,066	6,067	3
								6,036	6,037	3
							Stage 06			
							Date			
							02/25/2012	From	To	Shots
								7,544	7,545	3
								7,494	7,495	3
Stage 01								7,468	7,469	3
								7,428	7,429	3
							Stage 05			
							Date			
							02/24/2012	From	To	Shots
								7,816	7,817	3
								7,804	7,805	3
								7,776	7,777	3
								7,762	7,763	3
								7,688	7,689	3
Set @ 9552								7,658	7,659	3
								7,624	7,625	3
								7,608	7,609	3
								7,578	7,579	3
							Stage 04			
							Date			
							02/23/2012	From	To	Shots
								7,978	7,979	3
								7,970	7,971	3
								7,960	7,961	3
PBTD @ 9506 TD @ 9570								7,938	7,939	3
								7,926	7,927	3
								7,914	7,915	3
								7,902	7,903	3
								7,864	7,865	3
								7,846	7,847	3
							Stage 03			
							Date			
							02/24/2012	From	To	Shots
								7,816	7,817	3
Set @ 9552								7,804	7,805	3
								7,776	7,777	3
								7,762	7,763	3
								7,688	7,689	3
								7,658	7,659	3
								7,624	7,625	3
								7,608	7,609	3
								7,578	7,579	3
							Stage 02			
							Date			
							02/25/2012	From	To	Shots
								7,544	7,545	3
								7,494	7,495	3
								7,468	7,469	3
								7,428	7,429	3
							Stage 01			
							Date			
							02/24/2012	From	To	Shots
							7,816	7,817	3	
							7,804	7,805	3	
							7,776	7,777	3	
							7,762	7,763	3	
							7,688	7,689	3	
							7,658	7,659	3	
							7,624	7,625	3	
							7,608	7,609	3	
							7,578	7,579	3	
							Stage 01			
							Date			
							02/24/2012	From	To	Shots
								7,816	7,817	3
								7,804	7,805	3
								7,776	7,777	3
								7,762	7,763	3
								7,688	7,689	3
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