

Downhole Schematic for Cook Gardner 20-4BB (PB20)



Project :South Piceance		API # :05045205540000		Surface Location : NWNE Sec 20 T7S - R95W 6th PM						
Area : Parachute		County :		BHL : NWNW-20-7S-95 W 6th PM						
As Of : 07/26/2012		GL : 5646.0 ft		KB to GL : 22.0 ft		KB : 5668.0 ft				
Set @ 40	Set @ 1118	Casing Details								
		Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
		Conductor	26.000	16	42	40	40		A52A	Joint
Set @ 1118	TOC @ 2760	Surface	12.250	9.625	0	1,118	1	LT&C	Guide Shoe	
				36	1,117	41	LT&C	K-55	Casing	
				0	1,076	1	LT&C		Float Shoe	
				9.625	1,075	1,046	LT&C	K-55	Casing	
				36	29	3	ST&C	J55	Casing Pup	
				9.625	26	3	LT&C	J55	Well Head	
				36	23	27	LT&C	J55	Landig Jnt.	
				9.625						
Set @ 1118	TOC @ 2760	Production	8.750	4.5	0	7,188	1	Butt	Guide Shoe	
				11.6	7,187	43	Butt	S80	Csng.	
				11.6	7,143	2	Butt		Float Collar	
				4.5	7,142	1,511	Butt	S80	Csng.	
				11.6	5,631	22	Butt	S80	Csng. Marker JT.	
				4.5	5,609	991	Butt	S80	Csng.	
				11.6	4,618	22	Butt	S80	Csng. Marker JT.	
				4.5	4,596	4,565	Butt	S80	Csng.	
				11.6	31	5	Butt	P-110	Mandril	
				4.5	26	23	Butt	S80	LD. Joint	
Set @ 1118	TOC @ 2760	Cement Details								
		Section	Sequence	Top	Density	Blend / Additives				
		Surface	Lead	0	12.5	12.5 G Lead (84 bbls.) / D907 18800lb;				
						2%D79+0.2%D46+0.25pppsD29				
						15.8 Class G (31bbls.) / 14006lbD907+0.75%S001+0.2%D046+0.2				
						%pppsD29				
						CW100 /				
						12.0 TXI Lead / D049 75.000 lb/sk WTSK 36825 lb				
						D079 1.000 % BWOB 368.25 lb				
						D013 1.000 % BWOB 368.25 lb				
Set @ 1118	TOC @ 2760	Production	Scavenger	0	8.3	D046 0.500 % BWOB 184.13 lb				
			Lead	3,120	12.0	D029 0.250 lb/sk WTSK 122.75 lb				
Set @ 1118	TOC @ 2760	Tubing and Downhole Equipment								
		O.D.	Length	Depth	Description					
		0.000	20.00	20.00	KB - 2.00					
		4.063	0.84	20.84	4 1/16" 5K WG hanger					
		2.594	0.67	21.51	2 3/8" N80 saver sub					
		2.375	6,254.27	6,275.78	190 jts 2 3/8" L-80 4.7# Eue tbg					
		3.063	0.97	6,276.75	1.81 F-nipple					
		2.375	32.82	6,309.57	1 JT 2 3/8" L-80 4.7# Eue tbg					
		3.125	0.91	6,310.48	Top 1/2 POBS					
		3.750	1.23	7,128.08	Btm 1/2 POBS & 3 3/4" mill					
Set @ 1118	TOC @ 2760	Perforations								
		Stage 1								
		Date	From	To	Shots	6,026	6,027	3		
		06/18/2012	6,958	6,959	3	5,988	5,989	3		
			6,932	6,933	3	5,936	5,937	3		
			6,894	6,895	3	5,908	5,909	3		
			6,880	6,881	3	5,884	5,885	3		
			6,848	6,849	3					
			6,816	6,817	3					
			6,800	6,801	3					
Set @ 1118	TOC @ 2760	Stage 2								
		Date	From	To	Shots	5,782	5,783	3		
		06/29/2012	6,670	6,671	3	5,768	5,769	3		
			6,620	6,621	3	5,734	5,735	3		
			6,576	6,577	3	5,698	5,699	3		
			6,538	6,539	3	5,650	5,651	3		
			6,506	6,507	3	5,638	5,639	3		
			6,448	6,449	3	5,622	5,623	3		
			6,432	6,433	3					
			6,408	6,409	3					
Set @ 1118	TOC @ 2760	Stage 3								
		Date	From	To	Shots	5,586	5,587	3		
		07/01/2012	6,330	6,331	3	5,560	5,561	3		
			6,310	6,311	3	5,538	5,539	3		
			6,298	6,299	3	5,506	5,507	3		
			6,286	6,287	3	5,494	5,495	3		
			6,260	6,261	3	5,482	5,483	3		
			6,250	6,251	3	5,470	5,471	3		
			6,230	6,231	3	5,454	5,455	3		
			6,216	6,217	3	5,438	5,439	3		
Set @ 1118	TOC @ 2760	Stage 4								
		Date	From	To	Shots	5,402	5,403	3		
			6,186	6,187	3	5,376	5,377	3		
			6,130	6,131	3	5,368	5,369	3		
			6,120	6,121	3	5,352	5,353	3		
			6,084	6,085	3	5,334	5,335	3		
			6,064	6,065	3	5,302	5,303	3		
						5,276	5,277	3		
						5,270	5,271	3		
						5,246	5,247	3		
Set @ 1118	TOC @ 2760	Frac Summary								
		Stage 1 : 6,720 - 6,959, 30095 bbls of Slickwater Report Date: 06/29/2012								
		Stage 2 : 6,374 - 6,671, 12095 bbls of Slickwater Report Date: 07/01/2012								
		Stage 3 : 6,186 - 6,331, 17144 bbls of Slickwater Report Date: 07/02/2012								
		Stage 4 : 5,884 - 6,131, 14953 bbls of Slickwater Report Date: 07/03/2012								
		Stage 5 : 5,622 - 5,831, 16859 bbls of Slickwater Report Date: 07/03/2012								
		Stage 6 : 5,438 - 5,587, 19714 bbls of Slickwater Report Date: 07/07/2012								
		Stage 7 : 5,246 - 5,403, 13952 bbls of Slickwater Report Date: 07/08/2012								
Set @ 1118	TOC @ 2760	Comments								
		SIBHP 5 psi 7/26/2012								
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