

## Downhole Schematic for Cook Martin 20-1C (PB20)



Project :South Piceance

API # :05045205510000

Surface Location : NWNE Sec 20 T7S - R95W 6th P

Area : Parachute

County :

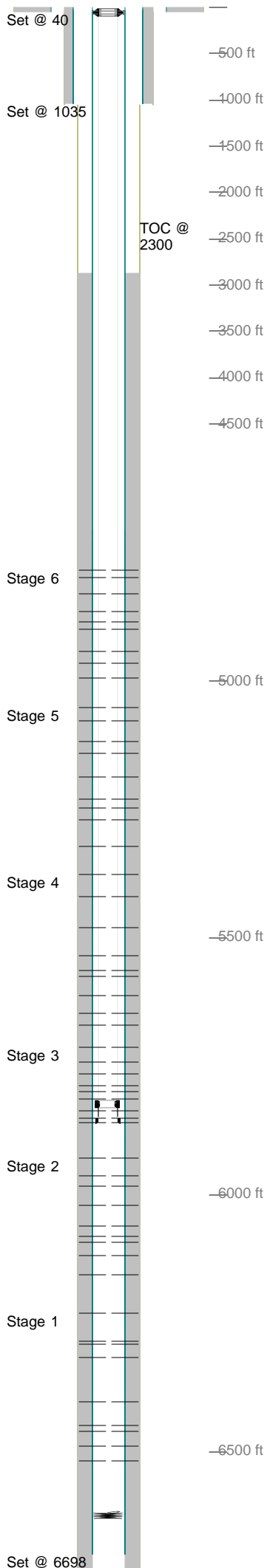
BHL : NWNE-20-7S-95 W 6th PM

As Of : 07/19/2012

GL: 0.0 ft

KB to GL : 22.0 ft

KB : 22.0 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		0	1,035	1	LT&C		Guide Shoe
		9.625	36	1,034	42	LT&C	K-55	Casing
		0	992	1	LT&C		Float Shoe	
		9.625	36	991	963	LT&C	K-55	Casing
		9.625	36	28	3	ST&C	J55	Casing Pup
		9.625	36	25	3	LT&C	J55	Well Head
		9.625	36	22	27	LT&C	J55	Landig Jnt.
Production	8.750	4.5	0	6,698	1	Butt		Guide Shoe
			11.6	6,697	43	Butt		Csng.
			11.6	6,653	2	Butt	S80	Float Collar
		4.5	11.6	6,652	949	Butt	S80	Csng.
		4.5	11.6	5,703	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	5,681	951	Butt	S80	Csng.
		4.5	11.6	4,730	22	Butt	S80	Csng. Marker JT.
		4.5	11.6	4,708	4,677	Butt	S80	Csng.
		4.5	11.6	31	5	Butt	P-110	Mandril
		4.5	11.6	26	27	Butt	S80	LD. Joint
Cement Details								
Section	Sequence	Top	Density	Blend / Additives				
Conductor	Fill	0	0.0	4 yards redi-mix /				
Surface	Lead	0	12.5	12.5 G Lead (75 bbls.) / D907 18800lb;				
	Tail	756	15.8	2%D79+0.2%D46+0.25ppsD29				
Production	Scavenger	0	8.3	15.8 Class G (31bbls.) / 14006lbD907+0.75%S001+0.2%D046+0.2				
	Lead	2,870	12.0	%ppsD29				
				CW100 /				
				12.0 Lead / D04975.000 lb/skWTSK34,650.00 lb34,650.00 lb				
				D0791.000 %BWOB346.50 lb346.50 lb				
				D0131.000 %BWOB346.50 lb346.50 lb				
				D0460.500 %BWOB173.25 lb173.25 lb				
				D0290.250 lb/skWTSK115.50 lb115.50 lb				
	Tail	4,952	13.0	13.0 TXI / D04975.000 lb/skWTSK37,575.00 lb37,575.00 lb				
D0203.000 %BWOB1,127.25 lb1,127.25 lb								
D1120.200 %BWOB75.15 lb75.15 lb								
D0130.600 %BWOB225.45 lb225.45 lb								
D0460.500 %BWOB187.88 lb187.88 lb								
D0290.250 lb/skWTSK125.25 lb125.25 lb								
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	5,796.17	5,817.68	180 jts 2 3/8" J-55 4.7# Eue tbg					
3.063	0.97	5,818.65	1.81 F-nipple					
2.375	32.69	5,851.34	1 JT 2 3/8" J-55 4.7# Eue tbg					
3.125	0.91	5,852.25	Top 1/2 POBS					
3.750	1.23	6,618.00	Bttm 1/2 POBS & 3 3/4" mill					
Perforations								
Stage 1				Stage 4				
Date	From	To	Shots	Date	From	To	Shots	
06/18/2012	6,518	6,519	3	07/04/2012	5,670	5,671	3	
	6,490	6,491	3		5,648	5,649	3	
	6,460	6,461	3		5,612	5,613	3	
	6,448	6,449	3		5,574	5,575	3	
	6,404	6,405	3		5,564	5,565	3	
	6,318	6,319	3		5,534	5,535	3	
	6,292	6,293	3		5,480	5,481	3	
	6,284	6,285	3		5,420	5,421	3	
	6,230	6,231	3		5,376	5,377	3	
Stage 2				Stage 5				
Date	From	To	Shots	Date	From	To	Shots	
06/28/2012	6,156	6,157	3	07/05/2012	5,322	5,323	3	
	6,118	6,119	3		5,270	5,271	3	
	6,092	6,093	3		5,248	5,249	3	
	6,080	6,081	3		5,230	5,231	3	
	6,060	6,061	3		5,186	5,187	3	
	6,020	6,021	3		5,142	5,143	3	
	5,982	5,983	3		5,118	5,119	3	
	5,964	5,965	3		5,078	5,079	3	
	5,928	5,929	3		5,052	5,053	3	
Stage 3				Stage 6				
Date	From	To	Shots	Date	From	To	Shots	
07/01/2012	5,860	5,861	3	07/07/2012	4,994	4,995	3	
	5,850	5,851	3		4,966	4,967	3	
	5,836	5,837	3		4,942	4,943	3	
	5,814	5,815	3		4,900	4,901	3	
	5,800	5,801	3		4,884	4,885	3	
	5,788	5,789	3		4,864	4,865	3	
	5,764	5,765	3		4,830	4,831	3	
	5,742	5,743	3		4,798	4,799	3	
	5,712	5,713	3		4,786	4,787	3	
Frac Summary								
Stage 1 : 6,230 - 6,519, 12904 bbls of Slickwater Report Date: 06/28/2012								
Stage 2 : 5,928 - 6,157, 7479 bbls of Slickwater Report Date: 06/30/2012								
Stage 3 : 5,712 - 5,861, 11143 bbls of Slickwater Report Date: 07/03/2012								
Stage 4 : 5,376 - 5,671, 10857 bbls of Slickwater Report Date: 12/30/1899								
Stage 5 : 5,052 - 5,323, 10857 bbls of Slickwater Report Date: 07/06/2012								
Stage 6 : 4,786 - 4,995, 12768 bbls of Slickwater Report Date: 07/08/2012								
Comments								
SIBHP 0 psi 7/19/2012								