

30-025-40248

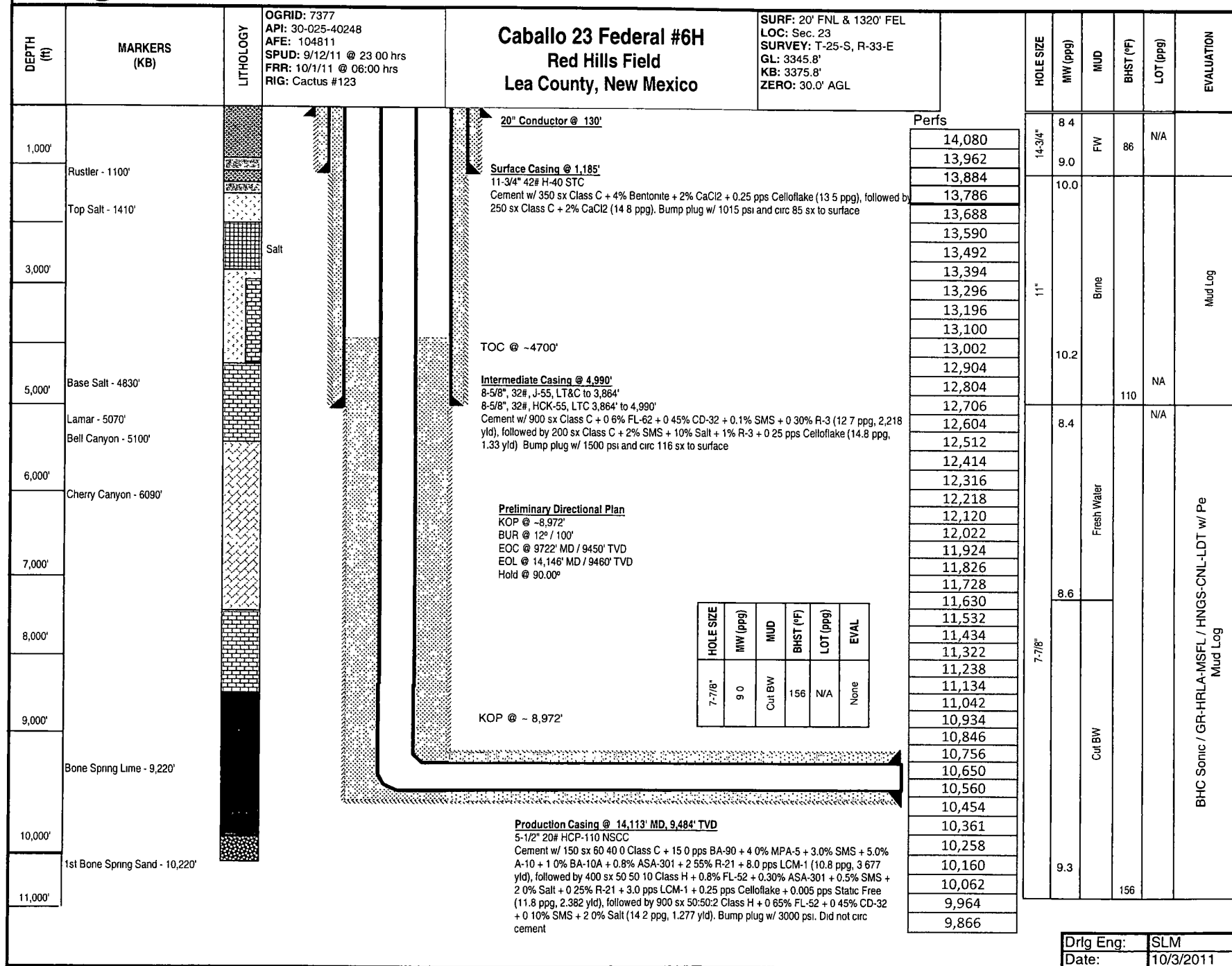
Stage Number	Cluster Top	Cluster Bottom	Plug Depth	Perf Length
1	14,080	14,082	14,100	356
1	13,982	13,984	14,100	
1	13,786	13,788	14,100	
1	13,726	13,728	14,100	
2	13,681	13,684	13740	290
2	13,590	13,593	13740	
2	13,482	13,485	13740	
2	13,394	13,397	13740	
3	13,303	13,306	13,334	304
3	13,198	13,201	13,334	
3	13,104	13,107	13,334	
3	13,002	13,005	13,334	
4	12,904	12,907	12944	303
4	12,804	12,807	12944	
4	12,706	12,709	12944	
4	12,604	12,607	12944	
5	12,512	12,515	12550	305
5	12,405	12,408	12550	
5	12,316	12,319	12550	
5	12,210	12,213	12550	
6	12,120	12,123	12158	297
6	12,027	12,030	12158	
6	11,924	11,927	12158	
6	11,826	11,829	12158	
7	11,728	11,731	11766	297
7	11,630	11,633	11766	
7	11,528	11,531	11766	
7	11,434	11,437	11766	
8	11,322	11,325	11366	283
8	11,238	11,241	11366	
8	11,134	11,137	11366	
8	11,042	11,045	11366	
9	10,934	10,937	10994	287
9	10,846	10,849	10994	
9	10,756	10,759	10994	
9	10,650	10,653	10994	
10	10,560	10,563	10598	305
10	10,454	10,457	10598	
10	10,361	10,364	10598	
10	10,258	10,261	10598	
11	10162	10165	10202	303
11	10,062	10,065	10202	
11	9,964	9,967	10202	
11	9,862	9,865	10202	

Treated Lateral	4,220
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Total Perf Length:	3,330
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Stage Number	Number of clusters	Total Shots	Acid type descr	Acid Volume	Acid Flush Volume	BBL Load	Total BBLs	Total Load	100 Mesh	40/70	Total Numbers - All Prop
1	4	72	7 1/2 % HCL	0	0	0	6,781	6,781	96,040	199,020	295,060
2	4	72	7 1/2 % HCL	75	285	360	7,074	7,434	96,360	193,020	289,380
3	4	72	7 1/2 % HCL	198	344	542	6,485	7,027	96,020	197,220	293,240
4	4	72	7 1/2 % HCL	75	264	339	5,455	5,794	96,100	194,980	291,080
5	4	72	7 1/2 % HCL	50	283	333	5,473	5,806	96,060	199,380	295,440
6	4	72	7 1/2 % HCL	50	265	315	5,261	5,576	96,140	196,780	292,920
7	4	72	7 1/2 % HCL	50	259	309	5,168	5,477	96,220	195,260	291,480
8	4	72	7 1/2 % HCL	50	250	300	5,126	5,426	96,100	197,040	293,140
9	4	72	7 1/2 % HCL	50	249	299	5,191	5,490	96,160	194,200	290,360
10	4	72	7 1/2 % HCL	105	179	284	5,139	5,423	123,350	196,340	319,690
11	4	72	7 1/2 % HCL	50	224	274	5,457	5,731	120,150	198,640	318,790

CURRENT WELL SKETCH



Drg Eng: SLM
 Date: 10/3/2011