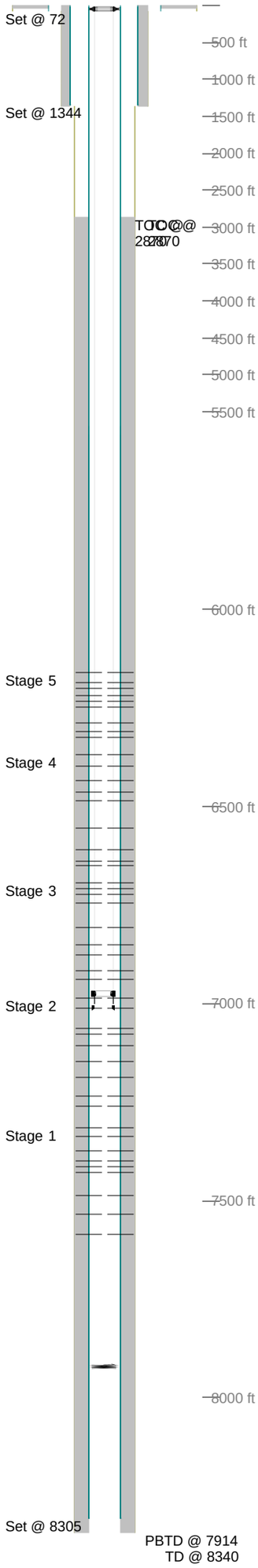
Downhole Schematic for Encana Fee 19-10B (K19CNE)

Project : South Piceance | API # : 05045207770000 | Surface Location : Lot3 Sec 19 T6S - R92W 6th PM

Area : Mamm Creek | County : | BHL : NWSE-19-6S-92 W 6th PM

As Of : 04/03/2012 | GL : 5666.0 ft | KB to GL : 22.0 ft | KB : 5688.0 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	26.000	16	42	72	72		A52A	Joint
Surface	12.250		0	1,344	1	LT&C		Guide Shoe
		9.625	36	1,343	44	LT&C	J55	Casing
			0	1,299	1	LT&C		Float Shoe
		9.625	36	1,298	1,273	LT&C	J55	Casing
		9.625	36	25	3	ST&C	J55	Casing Pup
		9.625	36	22	3	LT&C	J55	Well Head
		9.625	36	20	23	LT&C	J55	Landig Jnt.
Production	8.750		0	8,305	1	Butt		Float Shoe
		4.5	11.6	8,304	41	Butt	S-80	Csng.
			0	8,262	2	Butt		Float Collar
		4.5	11.6	8,261	1,731	Butt	S-80	Csng.
		4.5	11.6	6,530	22	Butt	S-80	Csng. Marker #2
		4.5	11.6	6,508	950	Butt	S-80	Csng.
		4.5	11.6	5,558	22	Butt	S-80	Csng. Marker #1
		4.5	11.6	5,536	5,507	Butt	S-80	Csng.
		4.5	11.6	29	5	Butt	P-110	Mandril
		4.5	11.6	24	27	Butt	S-80	Landing 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 (?? bbls.) / 24440 lbsD907=2%D79+o.2%D46+0.25ppsD29
	Tail	1,057	15.8	15.8 Class G (31bbls.) / 14100lbD907+0.75%S001+0.2%D046+0.2 %ppsD29
Production	Scavenger	0	11.5	40bbls. Spacer /
	Lead	0	0.0	/
	Tail	2,870	13.5	13.5 TXI Tail / D049 Cement 75.01 lb/sk WBWOB D020 Extender 3.00 % BWOB D112 Fluid loss 0.20 % BWOB D013 Retarder 0.40 % BWOB D046 Anti Foam 0.50 % BWOB D029 Lost Circulation Control Agent 0.25 lb/sk WBWOB

Tubing and Downhole Equipment

O.D.	Length	Depth	Description
0.000	20.00	20.00	KBTH -2.00'
4.000	0.83	20.83	4 1/16 10K hanger, Wood Groop
2.594	0.68	21.51	2 3/8 N80 saver sub
2.375	6,947.59	6,969.10	211 jts 2 3/8 L80 4.7# Eue Tbg
3.063	0.97	6,970.07	1.812 F-Nipple
2.375	33.10	7,003.17	1 jt 2 3/8 L80 4.7# Eue Tbg
3.063	0.92	7,004.09	top 1/2 pump off bit sub
3.250	1.22	7,914.63	Btm 1/2 POBS & 3 3/4" Mill

Perforations

Stage 1

Date	From	To	Shots
03/10/2012	7,586	7,587	3
	7,536	7,537	3
	7,486	7,487	3
	7,428	7,429	3
	7,414	7,415	3
	7,398	7,399	3
	7,374	7,375	3
	7,336	7,337	3
	7,314	7,315	3

Stage 2

Date	From	To	Shots
03/11/2012	7,262	7,263	3
	7,236	7,237	3
	7,188	7,189	3
	7,146	7,147	3
	7,106	7,107	3
	7,078	7,079	3
	7,062	7,063	3
	7,014	7,015	3
	6,988	6,989	3

Stage 3

Date	From	To	Shots
03/12/2012	6,938	6,939	3
	6,918	6,919	3
	6,878	6,879	3
	6,850	6,851	3
	6,808	6,809	3
	6,744	6,745	3
	6,722	6,723	3
	6,710	6,711	3
	6,696	6,697	3

Stage 4

Date	From	To	Shots
03/13/2012	6,650	6,651	3
	6,638	6,639	3
	6,612	6,613	3
	6,554	6,555	3
	6,488	6,489	3
	6,464	6,465	3
	6,434	6,435	3
	6,398	6,399	3
	6,370	6,371	3

Stage 5

Date	From	To	Shots
03/14/2012	6,326	6,327	3
	6,312	6,313	3
	6,290	6,291	3
	6,250	6,251	3
	6,236	6,237	3
	6,218	6,219	3
	6,200	6,201	3
	6,188	6,189	3
	6,162	6,163	3

Frac Summary

Stage 1 : 7,314 - 7,587, 27 - 0.380" shots, 9944 bbls of Slickwater Report Date: 03/11/2012
Stage 2 : 6,988 - 7,263, 27 - 0.380" shots, 7605 bbls of Slickwater Report Date: 03/12/2012
Stage 3 : 6,696 - 6,939, 27 - 0.380" shots, 9582 bbls of Slickwater Report Date: 03/13/2012
Stage 4 : 6,370 - 6,651, 27 - 0.380" shots, 9272 bbls of Slickwater Report Date: 03/14/2012
Stage 5 : 6,162 - 6,327, 27 - 0.380" shots, 8017 bbls of Slickwater Report Date: 03/15/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
5,778.0	03/20/2012	CBP	0

CBP at 5,778.0 drilled out 04/03/2012

Comments

SIBHP 50 psi on 4/04/2012