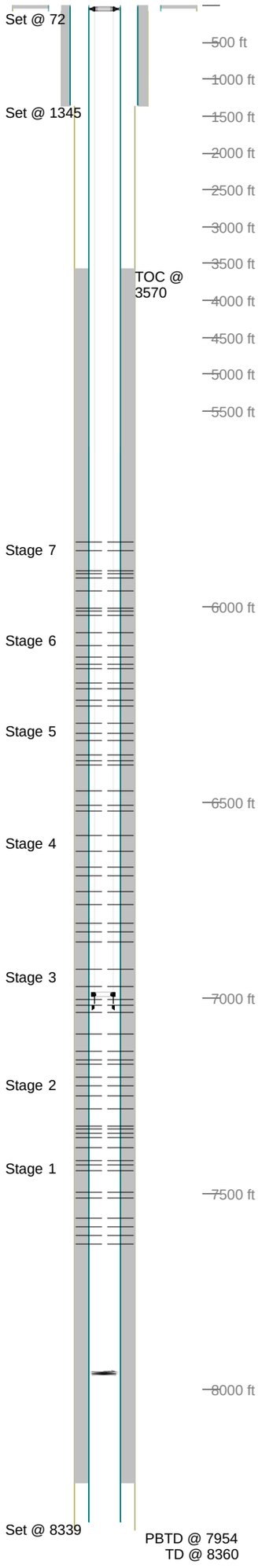
Downhole Schematic for Encana Fee 19-5A (K19CNE)

Project : South Piceance | API # : 05045207760000 | Surface Location : Lot3 Sec 19 T6S - R92W 6th PM

Area : Mamm Creek | County : | BHL : Lot 2-19-6S-92 W 6th PM

As Of : 03/25/2012 | GL : 5665.8 ft | KB to GL : 22.0 ft | KB : 5687.8 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	1,345	1	LT&C		Guide Shoe
		9.625	36	1,344	44	LT&C	J55	Casing
			0	1,300	1	LT&C		Float Shoe
		9.625	36	1,299	1,272	LT&C	J55	Casing
		9.625	36	27	3	ST&C	J55	Casing Pup
		9.625	36	24	3	LT&C	J55	Well Head
		9.625	36	21	23	LT&C	J55	Landig Jnt.
Production	8.750		0	8,339	1	Butt		Guide Shoe
		4.5	11.6	8,338	41	Butt	S-80	Csng.
			0	8,296	2	Butt		Float Collar
		4.5	11.6	8,295	1,707	Butt	S-80	Csng.
		4.5	11.6	6,588	22	Butt	S-80	Marker #1,Csng.
		4.5	11.6	6,566	955	Butt	S-80	Csng.
		4.5	11.6	5,611	21	Butt	S-80	Marker #2,Csng.
		4.5	11.6	5,590	5,558	Butt	S-80	Csng.
		4.5	11.6	33	5	Butt	S-80	Mandril
		4.5	11.6	28	24	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	1,055	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	3,570	12.0	12 TXI Lead (175bbls) / D049 Cement 75.01 lb/sk WBWOB D079 Extender 1.00 % BWOB D013 Retarder 0.75 % BWOB D046 Anti Foam 0.50 % BWOB D029 Lost Circulation Control Agent 0.25 lb/sk WBWOB
	Tail	5,895	13.0	13 TXI Tail (153bbls) / 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	6,964.04	6,985.55	214 jts 2 3/8 L80 4.7# Eue Tbg
3.063	0.97	6,986.52	1.812 F-Nipple
2.375	32.59	7,019.11	1 jt 2 3/8 L80 4.7# Eue Tbg
3.063	0.92	7,020.03	top 1/2 pump off bit sub
3.250	1.22	7,954.00	Btm 1/2 POBS & 3 3/4" Mill

Perforations

Stage	Date	From	To	Shots
1	03/10/2012	7,628	7,629	3
		7,608	7,609	3
		7,584	7,585	3
		7,562	7,563	3
		7,510	7,511	3
		7,498	7,499	3
		7,440	7,441	3
		7,428	7,429	3
		7,416	7,417	3
2	03/11/2012	7,384	7,385	3
		7,358	7,359	3
		7,346	7,347	3
		7,336	7,337	3
		7,328	7,329	3
		7,282	7,283	3
		7,252	7,253	3
		7,224	7,225	3
		7,202	7,203	3
3	03/12/2012	7,168	7,169	3
		7,160	7,161	3
		7,136	7,137	3
		7,092	7,093	3
		7,038	7,039	3
		7,020	7,021	3
		7,004	7,005	3
		6,972	6,973	3
		6,928	6,929	3
4	03/13/2012	6,858	6,859	3
		6,832	6,833	3
		6,808	6,809	3
		6,760	6,761	3
		6,728	6,729	3
		6,686	6,687	3
		6,664	6,665	3
		6,624	6,625	3
		6,586	6,587	3
5	03/14/2012	6,522	6,523	3
		6,508	6,509	3
		6,470	6,471	3
		6,404	6,405	3
		6,394	6,395	3
		6,380	6,381	3
		6,342	6,343	3
		6,322	6,323	3
		6,298	6,299	3
6	03/15/2012	6,254	6,255	3
		6,240	6,241	3
		6,208	6,209	3
		6,194	6,195	3
		6,160	6,161	3
		6,146	6,147	3
		6,130	6,131	3
		6,098	6,099	3
		6,068	6,069	3
7	03/16/2012	6,022	6,023	3
		6,010	6,011	3
		6,002	6,003	3
		5,958	5,959	3
		5,926	5,927	3
		5,916	5,917	3
		5,908	5,909	3
		5,856	5,857	3
		5,834	5,835	3

Frac Summary

Stage 1 : 7,416 - 7,629, 27 - 0.380" shots, 3778 bbls of Slickwater Report Date: 03/11/2012
Stage 2 : 7,202 - 7,385, 27 - 0.380" shots, 7751 bbls of Slickwater Report Date: 03/12/2012
Stage 3 : 6,928 - 7,169, 27 - 0.380" shots, 7493 bbls of Slickwater Report Date: 03/13/2012
Stage 4 : 6,586 - 6,859, 27 - 0.380" shots, 13584 bbls of Slickwater Report Date: 03/14/2012
Stage 5 : 6,298 - 6,523, 27 - 0.380" shots, 12759 bbls of Slickwater Report Date: 03/15/2012
Stage 6 : 6,068 - 6,255, 27 - 0.380" shots, 15335 bbls of Slickwater Report Date: 03/16/2012
Stage 7 : 5,834 - 6,023, 27 - 0.380" shots, 16166 bbls of Slickwater Report Date: 03/19/2012

Bridge Plug Details

Depth	Date Set	Plug Type	Sacks Cement
5,746.0	03/20/2012	CBP	0

CBP at 5,746.0 drilled out 03/25/2012

Comments

2/25/12 SIBHP 0,