CURRENT WELLBORE DIAGRAM

Operator:	Encana Oil & Gas (USA) Inc.
Well Name:	CATHEDRAL FEDERAL 20-1
Lease Number:	COC1633
Unit Number:	COC047603C
Location:	NWNW Sec.20 -T3S -R101W
Field:	Cathedral
County, State:	Rio Blanco, CO
API Number:	05-103-07813-0000
Diagram Date:	As of 09/21/2011

KB 6685 ft.
GL 6675 ft.

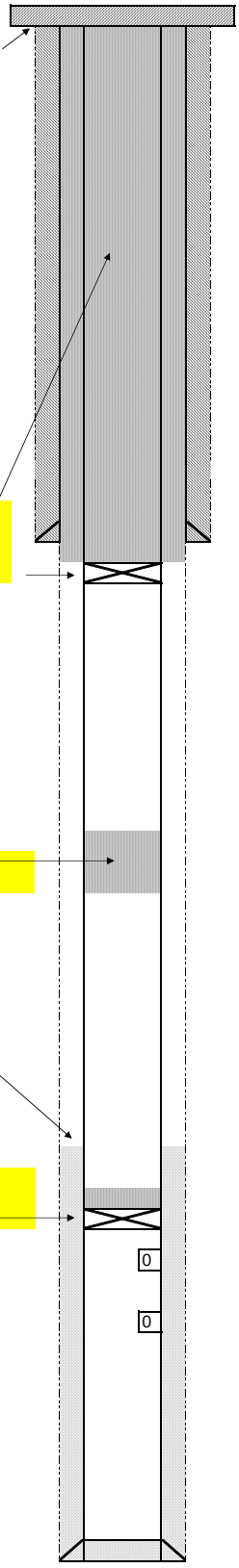
Surface csg. CMT to surface
120 sks Class G

CMT plug = 220' to surface
Pumped 160 sks in csg. & ann.
Perf 4 holes @ 210'
Set CIBP @ 220'

CMT plug = 1902' to 1607'
Pumped 22 sks CMT

TOC f/ CBL log @ 2350'
First stage cement:
125 sks 50-50 poz mix
Second stage cement:
25 sks Class G

CMT plug = 2580' to 2473'
Pumped 8 sks CMT on top
Set CIBP @ 2580'



PBTD (ft): 3084
TD (ft): 3128

CASING RECORD

SIZE (in)	WT (lb/ft)	GRADE	Hole D(in)	TOP (ft)	BTM (ft)	Date Run
8 5/8	24	assumed J-55	12 1/4	0	158	
4 1/2	10.5	assumed J-55	7 7/8	0	3,128	

TUBING RECORD

SIZE (in)	WT (lb/ft)	GRADE		TOP (ft)	BTM (ft)	Date Run

JEWELRY RECORD

ITEM	MAKER	SIZE (in)	Max ID	TOP (ft)	Date Run

PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	Holes	Date Shot
Emery	2668	2930		30	05/10/1976

COMMENTS/HISTORY:

05/04/1976	Re-run Bond Log. 1st Bond Log shows poor bonding characteristics
05/05/1976	Perfed 4 holes at 2944'. Attempted to squeeze, FAILED.
05/06/1976	Perfed 4 holes at 2804'. Squeezed 20 sks Class G CMT.
05/07/1976	Tagged cement at 2602'. Drilled out to PBTD @ 3084'.

P&A DATE = 07/28/2011