

12/9/2014

Colorado Oil and Gas Conservation Commission
The Chancery Building
1120 Lincoln Street, Suite 801
Denver, CO 80203
Attn: Mr. Matt Lepore, Director

RE: **Letter to the Director, Rule 317.p Exception Request – Cased Hole Log**
Moses State LD11-78HN Pad
Section SESW: 2, Township 9N, Range 58W West, 6th P.M.
Weld County, Colorado

Dear Director:

Noble Energy, Inc. ("Noble") intends to drill and produce the above referenced horizontal oil and gas well(s), to be located as described above. Noble respectfully requests the Director to approve an exception to Rule 317.p for the referenced proposed wells, in lieu of running an open hole log, Noble will run a Gamma Ray/Neutron (GR/N) log along with our normal CBL.

1. The GR/N gives the information needed to identify formation tops, bases and other stratigraphic markers by depth.
2. The CBL is designed to verify cement job quality & casing depths – it can determine the base of surface casing.
3. From the GR/N, the depth of the top & base of the aquifer can be picked – the setting depth of the base of the surface casing is picked from the CBL – comparing the aquifer depth & the surface casing depth gives surface casing coverage across & below the base of the aquifer.

A cased hole neutron, CBL, and gamma ray will be run on the 7" first string, from the top of the curve to surface, on one of the first wells drilled on this pad. The Drilling Completion Report – Form 5 submitted for each well on the pad will specify that no open hole logs were run. Each Form 5 will specify the well by API# and name on which the cased hole neutron log was run. A measured while drilling log with gamma ray will be run on the horizontal portion of each well on the pad. Noble hereby requests the Director to grant an exception to Rule 317.p.

If you should have any questions or concerns regarding this permit, please contact the undersigned at 303-228-4000.

Respectfully,

Kathleen Mills
Regulatory Analyst