

CONDITIONS OF APPROVAL
Sundry

OPERATOR'S NAME:	CIMAREX ENERGY
LEASE NO.:	NM025559
WELL NAME & NO.:	2-IRWIN 13 FEDERAL
SURFACE HOLE FOOTAGE:	660' FSL & 125' FEL
BOTTOM HOLE FOOTAGE:	660' FSL & 330' FWL
LOCATION:	Section 13, T. 19 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico

Original COA Applies

Under Drilling Operations Requirements Item B.3 is replaced by the following:

If DV tool is to be used, Operator is to submit a Sundry stating the depth of DV Tool and a description of the proposed cement program.

1. The minimum required fill of cement behind the 5-1/2 inch production casing is:

- Cement should tie-back at least **500** feet into previous casing string due to potash. Operator shall provide method of verification. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to potash.**

EGF 011211