

ONSHORE ORDER NO. 1  
Nielson & Associates, Inc.  
French Woman #1  
2288' FNL and 1357' FEL  
SW NE Sec. 15, T11N- R76W  
Larimer County, Colorado



CONFIDENTIAL - TIGHT HOLE

Lease No. COC-45715

Drilling Program  
Page 5

- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Surface	0-125'	12-1/4"	8-5/8"	24#	J-55	ST&C	Used*
Produc.	0-1500'	7-7/8"	5-1/2"	14#	J-55	ST&C	Used*

\* Used casing will be tested to new API standards.

- k. Casing design subject to revision based on geologic conditions encountered.
- l. The cement program will be as follows:
- |                          |  |
|--------------------------|--|
| <u>Surface</u><br>0-125' | <u>Type and Amount</u><br>90 sx Class "G" Cement with 2% CaCl <sub>2</sub> circulated to surface.              |
| <u>Production</u>        | <u>Type and Amount</u><br>90 sx Class "G" with 1% CaCl <sub>2</sub> . Top of cement at approximately 850 feet. |
- m. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- n. The following reports shall be filed with the Area Manager within 30 days after the work is completed.
1. Progress reports, Form 3160-5 "Sundry Notices and Reports on Wells", must include complete information concerning: