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R. OLSEN OIL COMPANY

2809-14 APCO TOWER OKLAHOMA CITY, OKLA. June 2, 1949

> Re: Drilling Instructions Samuel R. Cooper Sw Se Ne 23-245-352

Hackleman & French Drilling Contractors Jal, New Mexico

Dear Mr. Hackleman:

Herewith submitted are the instructions to be carried out in the drilling of the above test.

- 1. Set 300' of 13 3/8" easing and coment to surface.
- 2. Catch 10' samples from 1400' to T. D.
- 3. Pre-salt mud at 1400' ft. (Top of salt can be expected around 1450'. Base salt 2850' to 2900')
- 4. Top of Brown Line can be expected at about 2900-2940.
- 5. Top of Yates will be found at approximately 3000'. (This well will be completed as a gas well in the Yates, providing commercial gas is available there)
- 6. The total depth of this hole will be around 3100'-3200'.
- 7. 7" pipe will be set in the Brown Lime, approximately 2950'.
- 8. It will be necessory to run a temperature survey and have it witnessed by a representative of the Conservation Commission. It is undesided at this writing whether the production string will be stage comented or take a change of figuring the coment and volume to cover the salt section and then run a temperature survey.
- 9. Keep hole filled at all times after reaching 2900'.
- 10. Hud should whigh 10# and viscosity of 35-34 seconds after reaching 2850".
- 11. Report drilling depth each morning to the Jal office.

for Vardelpart

J. T. Paddleford

JTP-gp cc: French Olsen

Roy Yarbrough Jal Office 1. 4



R. OLSEN OIL COMPANY

2809-14 APCC TOWER OKLAHOMA CITY, OKLA.

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Re: mailing setrations. Canal A Cooper w Se Na 23-24-51

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