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COLO. OIL &amp; GAS CONS. COMM.

WELL: #4 Downing

OPERATOR: Alaska Oil and Minerals Corporation

CONTRACTOR: Exeter Drilling Company, Rig No. 5

LOCATION: NE NE, Section 1, T 3 S, R56 W

COUNTY: Washington

STATE: Colorado

ELEVATION: G. L. 4700' K.B. 4710'

COMMENCED April 19, 1974

CASING: Ran 4 joints 8 5/8" casing  
Set at 117' KB with 125 sacks regular cement,  
3% CaCl.

CORES: None

DRILL STEM TESTS: None

LOGS: Induction-Electrolog, Compensated Densilog (Dresser Atlas)

COMPLETED: April 23, 1974

STATUS: P&A. 15 sacks at 117'; 10 sacks top of surface.

## FORMATION TOPS (LOGS)

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>
Niobrara	4354	+356
Fort Hayes	4494	+216
Carlile	4540	+170
Greenhorn	4637	+ 73
Bentonite Marker	4862	-152
"D" Sandstone	4955	-244
Huntsman Shale	4982	-272
"J" Sandstone	5006	-296
"J <sub>2</sub> " Sandstone	5040	-330
Total Depth	5097 Logger	5100 Driller

### SAMPLE DESCRIPTION

The Samples have been lagged to correspond to electric log depths.

#### Graneros Shale

4900-4955 Shale: Medium to dark grey bentonitic, loaded with pyrite from 4925 to 4955.

#### "D" Sandstone

4955-4960 Sandstone: White to light grey, very fine grained, silty, clay filled, no porosity and permeability, light fluorescence and cert on one piece of cutting.

4960-4970 Shale: Medium grey, silty, pyritic.

4970-4982 Sandstone: White to light grey, very fine grained, silty, some porosity and permeability.

#### Huntsman Shale

4982-5006 Shale: Medium grey, silty.

#### "J" Sandstone

5006-5040 Siltstone: Medium grey, interbedded grey shale.

5040-5050 Sandstone: Light to medium grey, fine grained, clay filled, low porosity and permeability. No shows.

5050-5100 Sandstone: Light grey, very fine to medium grained, some coarse grained, carbonaceous, heavy clay filling. No shows.

#### Summary:

The "J" sandstone was not developed in the #4 Downing. The "J2" sandstone was present, but porosity was poorly developed. The top of the "J2" sandstone was encountered about 30 feet too low for favorable hydrocarbon accumulation. Since no significant shows were encountered (none in the "J" sandstones) in the samples and the absence of shows was corroborated by the logs, no drill stem tests were warranted. Therefore upon receiving permission from all of the contributors, the well was plugged and abandoned.