20057

# CORNISH WIRELINE SERVICES, INC.

PHONE 431-9308 P.O. DRAWER H CHANUTE, KANSAS

RECEIVED JUL 18 1995 Oil & Gas Council

## RADIOACTIVITY

FILING NO.

COMPANY PENSE BROTHERS DRILLING CO., INC.

WELL PHILLIPS NO. 1

FIELD

COUNTY Bates STATE MISSOURI

LOCATION: NE/SW/4 SEC 24 TWP 42S RGE 33W

OTHER SERVICES:

PERMANENT DATUM: GROUND LEVEL ELEV. 1010' TOPO

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV.: K.B. D.F. G.L. 1010' TOPO

| | | | |
|---|---|---|---|
| DATE | 9-24-91 | 9-24-91 | 9-24-91 |
| RUN NO. | 1 NW | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON | PERFORATE |
| DEPTH—DRILLER | 470.0' | 470.0' | |
| DEPTH—LOGGER | 466.9' | 466.9' | |
| BOTTOM LOGGED INTERVAL | 461.9' | 463.9' | |
| TOP LOGGED INTERVAL | 2.0' | 0.0' | |
| TYPE FLUID IN HOLE | WATER | WATER | WATER |
| SALINITY, PPM Cl. | | | |
| DENSITY | | | |
| LEVEL | FULL | FULL | FULL |
| MAX. REC. TEMP., DEG F. | | | |
| OPERATING RIG TIME | | | |
| RECORDED BY | SANBORN, G. | SANBORN, G. | SANBORN, G. |
| WITNESSED BY | PENSE, C. | PENSE, C. | PENSE, C. |
| | BLANCARD, R. | BLANCARD, R. | BLANCARD, R. |

| RUN NO. | BIT | BORE-HOLE RECORD FROM | TO | CASING RECORD SIZE | WGT | FROM | TO |
|---|---|---|---|---|---|---|---|
| | | | | 4.5" | | 0 | 1.0. |

FORM 1-RADIOACTIVITY

EQUIPMENT DATA

| | GAMMA RAY | NEUTRON |
|---|---|---|
| RUN NO. | 9-24-91 | 1-NW |
| TOOL MODEL NO. | | 9000 |
| DIAMETER | 3.5"1 7/8" | 3.5"1 7/8" |
| SERIAL NO. | 1-1-1 | 9-1-1 |
| DETECTOR MODEL NO. | SCINT. | 9-NW |
| LENGTH | 1'-4" | 16-3 |
| DISTANCE TO N. SOURCE | 8.5" | 7.36" |
| TYPE | | NEUTRON |
| SOURCE NO. | | AC-5 |
| SERIAL NO. | | 3DGL15 |
| STRENGTH | | 1.37 Ra |
| | | 6.2X10-6 |

GENERAL

| | |
|---|---|
| HOIST TRUCK NO. | 109 |
| HOIST TRUCK SERIAL NO. | 109 |
| TOOL SERIAL NO. | 1C |

LOGGING DATA

| | GAMMA RAY | NEUTRON |
|---|---|---|
| RUN NO. | 1 | 1 |
| GENERAL DEPTHS FROM | 193.7' | |
| TO | 2' | |
| SPEED FT./MIN. | 1.5 | |
| T.C. SEC. | 2.2 | |
| SENS. SETTINGS | 10X-10 | |
| ZERO DIV. / OR # | 21 | 210 |
| API G.R. UNITS PER LOG DIV. | 20 | |
| T.C. SEC. | 2.2 | 2.2 |
| SENS. SETTINGS | 10X-10 | 10X-10 |
| ZERO DIV. / OR # | 21 | 21 |
| API N. UNITS PER LOG DIV. | 20 | |

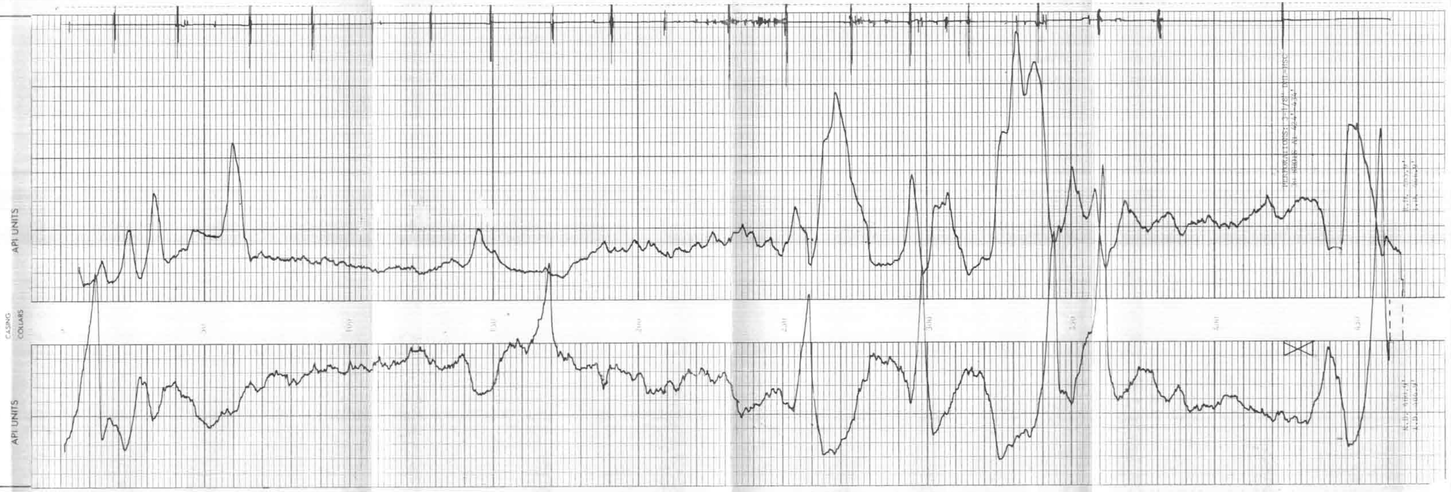
REFERENCE OPERATOR

REMARKS

GAMMA RAY API UNITS

DEPTH AND CASING COLLARS

NEUTRON API UNITS




PHILLIPS NO. 1

PENSE BROTHERS DRILLING CO., INC.

CASS COUNTY, MISSOURI

SEPTEMBER 24, 1991

24T42S-R33W