# MIDWEST SURVEYS

COLORADO, PARADOX FIELD, CORRELATION, DIRECTIONAL

P.O. Box 1129
Cortez, Colorado 81321
Phone 565-3768

Phone Office 565-3768
Res. 565-3768
P.O. Box 1129

| | |
|---|---|
| COMPANY | JOHN CAMPBELL |
| WELL | NO. 1 (GAS WELL) |
| FIELD | CAMPBELL LEASE |
| COUNTY | GASS CO., MO |
| LOCATION: SEC. 28 TWP. 45N RGE. 33W | |

COORDINATES: FEET FROM NEAREST SECTION LINE: G.L. N/A; G.L. N/A
DRILLING MEASURED FROM: G.L. FT. ABOVE PERM. DATUM

OTHER SERVICES: PERFORATE; BRIDGE PLUG

| | |
|---|---|
| DATE | 11/9/82 |
| RUN NO. | 1 NW |
| TYPE LOG | CN |
| DENSITOMETER | GAMMA RAY |
| DEPTH-LOGGER | NA |
| DEPTH-LOGGER INTERVAL | 591.0 |
| BOTTOM LOGGED INTERVAL | 590.0 |
| TYPE FLUID IN HOLE | WATER |
| SALINITY, PPM CL | NA |
| LEVEL | FULL |
| MAX. REC. TEMP. DEG. F | NA |
| ESTIMATED BHT | NA |
| RECORDED BY | E. PRATT |
| WITNESSED BY | J. CAMPBELL |

| BIT NO. | SIZE | WGT. | BORE HOLE RECORD FROM | TO | CASING RECORD FROM | TO |
|---|---|---|---|---|---|---|
| | 2 3/8 | | 0.0 | T.D. | | |

NOW HERE — THIS READING AND LOG CONFORMS TO API RP 33

## EQUIPMENT DATA

| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO. | 1 NW | RUN NO. | 1 NW |
| TOOL MODEL NO. | 102 | LOG TYPE | NPH1/NEH1 |
| DIAMETER | 1 11/16" | TOOL MODEL NO. | 102 |
| DETECTOR MODEL NO. | R-1057 | DIAMETER | 1 11/16" |
| TYPE | SCINT. | DETECTOR MODEL NO. | E-1031 |
| LENGTH | 1" x 4" | TYPE | HE-3 |
| DISTANCE TO H. SOURCE | 8.0 | LENGTH | 1" x 6" |
| | | SOURCE MODEL NO. | 71-1 |
| | | SERIAL NO. | 71-1-3558 |
| | | SPACING | 13" |
| | | TYPE | AM241BE |
| | | STRENGTH | 3 CI |

GENERAL

| | |
|---|---|
| TRUCK NO. | NA |
| INSTRUMENT TRUCK NO. | 102 |
| TOOL SERIAL NO. | NS-0001 |

## LOGGING DATA

| RUN NO. | GENERAL DEPTHS FROM | TO | SPEED FT/MIN | GAMMA RAY T.C. SEC. | SENS. SETTINGS | ZERO DIV. L OR R | API G.R. UNITS PER LOG DIV. | NEUTRON T.C. SEC. | SENS. SETTINGS | ZERO DIV. L OR R | API N. UNITS PER LOG DIV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 50.0 | 590.0 | 20 | 4.0 | 175/100 | 2L | 10 | 4.0 | 125/100 | 3L | 20 |

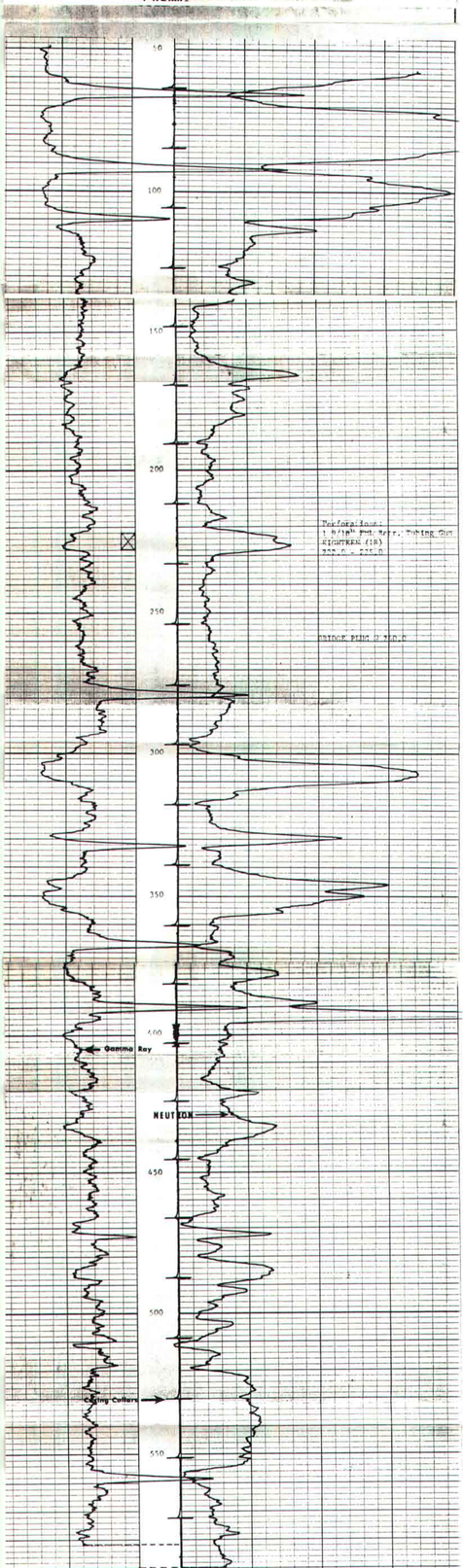
REFERENCE LITERATURE: 2 3/8" - CEMENTED

REMARKS: D.C. MUSICK BROS.

NECO 18240

GAMMA RAY DEPTH NEUTRON

CASING

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|---|---|---|---|
| COMPANY | JOHN CAMPBELL | GAMMA RAY | T.D. 591.0 |
| WELL | NO. 1 (GAS WELL) | GAMMA RAY | R.D. 582.0 |
| LEASE | CAMPBELL | NEUTRON | T.D. 591.0 |
| COUNTY | GASS CO., MO | NEUTRON | R.D. 590.0 |
| DATE | NOVEMBER 9, 1982 | CASING SET @ | NA |