**MIDWEST SURVEYS**

Box 1066 Phone (816) 882-7117
Lee's Summit, Missouri 64063 FID 206-0105

Run #2 0472

FILING NO.

COMPANY Triple I Energy Corp.
WELL No. 13
F.O. Bray Lease
COUNTY Jackson Co., MO

MAY 04 1983
NICO OIL & GAS COUNCIL

SEC 13 TWP 47N RGE 33W

PERMANENT datum G.L.
LOG MEASURED FROM G.L.
DRILLING MEASURED FROM G.L.

ELEV. K.B. NA
D.F. NA
G.L. 1 ft ABOVE PERM. DATUM

OTHER SERVICES CCL

| DATE | 5/10/83 | 5/10/83 |
|---|---|---|
| RUN NO. | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH-DRILLER | NA | NA |
| DEPTH-LOGGER | 464.5 | 464.5 |
| BOTTOM LOGGED INTERVAL | 464.5 | 464.5 |
| TOP LOGGED INTERVAL | 20.0 | 20.0 |
| TYPE FLUID IN HOLE | WATER | WATER |
| SALINITY PPM CL | NA | NA |
| DENSITY | NA | NA |
| LEVEL | FULL | FULL |
| MAX REC. TEMP. DEG. F | NA | NA |
| OPERATING RIG TIME | NA | NA |
| RECORDED BY | E. PRATT | E. PRATT |
| WITNESSED BY | J. TAYLOR | J. TAYLOR |

BOREHOLE RECORD

| RUN NO. | BIT | FROM | TO | SIZE | WGT. |
|---|---|---|---|---|---|
| | | | | 4½" | |

CASING RECORD

| SIZE | WGT. | FROM | TO |
|---|---|---|---|
| | | 0.0 | T.D. |

FOLD HERE — THIS MEASURING AND LOGGING EQUIPMENT MEETS API RP 34

## EQUIPMENT DATA

| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO. | 1 NW | RUN NO. | 1 NW |
| TOOL MODEL NO. | 102 | LOG TYPE | NEU/NEU |
| DIAMETER | 1 11/16" | TOOL MODEL NO. | 102 |
| DETECTOR MODEL NO. | E-1057 | DIAMETER | 1 11/16" |
| TYPE | SCINT. | DETECTOR MODEL NO. | E-1031 |
| LENGTH | 1" x 4" | TYPE | HE-3 |
| DISTANCE TO N. SOURCE | 8.0 | LENGTH | 1" x 6" |
| | | SOURCE MODEL NO. | 71-1 |
| | | SERIAL NO. | 71-1-355B |
| | | SPACING | 13" |
| | | TYPE | AM241BE |
| | | STRENGTH | 3 CI |

GENERAL

| | |
|---|---|
| HOIST TRUCK NO. | NA |
| INSTRUMENT TRUCK NO. | 102 |
| TOOL SERIAL NO. | MS-0001 |

## LOGGING DATA

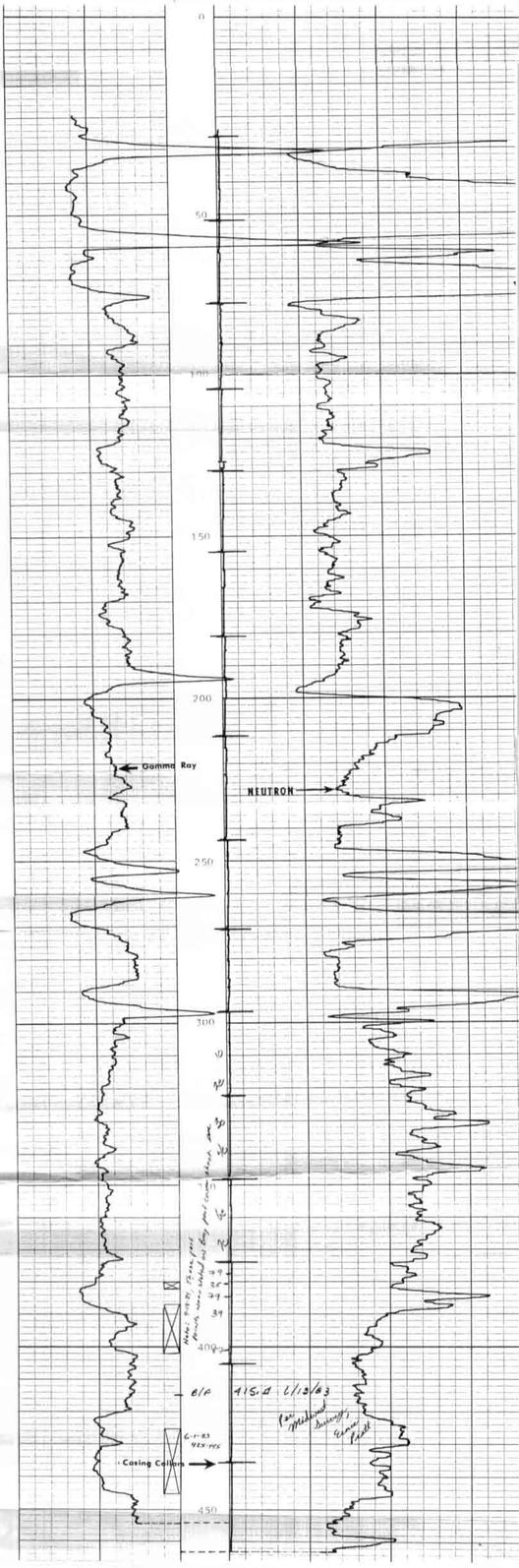
| GENERAL | | | | | | GAMMA RAY | | | NEUTRON | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN NO. | DEPTHS FROM | DEPTHS TO | SPEED FT/MIN | T.C. SEC | SENS SETTINGS | ZERO DIV. L OR R | API G R UNITS PER LOG DIV. | T.C. SEC | SENS SETTINGS | ZERO DIV. L OR R | API N UN PER LOG |
| 1 | 20.0 | 463.5 | 20 | 4.0 | 175/100 | 2L | 10 | 4.0 | 125/100 | 3L | 20 |

REFERENCE LITERATURE: 4½" - CEMENTED

REMARKS D.C. McGOWN DRILLING CO.

GAMMA RAY DEPTH NEUTRON

CASING COLLARS




| | | | | |
|---|---|---|---|---|
| COMPANY | Triple I Energy Corp. | GAMMA RAY | T.D. | 464.5 |
| WELL | No. 13 | GAMMA RAY | R.D. | 455.5 |
| LEASE | Bray | NEUTRON | T.D. | 464.5 |
| COUNTY | Jackson Co., MO | NEUTRON | R.D. | 463.5 |
| DATE | May 10, 1983 | CASING SET @ | | NA |

5/17/83