MIDWEST SURVEYS
Wireline Services
P.O. Box 1000
Lawrenceville, Illinois 62439

PLEASE ORDER

COMPANY D.E. Explorations, Inc.
WELL 8-9
FIELD Belton Unit
COUNTY Cass STATE Missouri

LOCATION: 4230 FSL + 2970 FEL
SEC 9 TWP 46N RGE 31W

PERMANENT DATUM G.L.
LOG MEASURED FROM G.L.
DRILLING MEASURED FROM G.L.
ELEV. N/A
ELEV. N/A
ELEV. N/A

DATE 5-12-2000
RUN NO. ONE
DEPTH-DRILLER 651.0
DEPTH-LOGGER 650.0
BOTTOM LOGGED INTERVAL 650.0
TOP LOGGED INTERVAL 10.0
TYPE FLUID IN HOLE Water
SALINITY PPM Cl N/A
LEVEL Full
MAX. REC. TEMP. DEG.F N/A
ESTIMATED CEMENT TOP N/A
CASING-DRILLER 8 5/8" @ 21.0
CASING-LOGGER N/A
BIT SIZE 7 7/8"
TYPE FLUID IN HOLE N/A
DENSITY LB/GAL N/A
VISCOSITY N/A
PH N/A
FLUID LOSS N/A
SOURCE OF SAMPLE N/A
RM @ MEASURED TEMP. N/A
RMF @ MEASURED TEMP. N/A
RMC @ MEASURED TEMP. N/A
SOURCE: RMF N/A RMC N/A
RM @ BHT N/A
TIME CIRCULATION STOPPED N/A
TIME LOGGER ON BOTTOM N/A
MAXIMUM RECORDED TEMP. N/A
EQUIPMENT NO. 1 NW
LOCATION Pleasant Hill
RECORDED BY Doug Evans
WITNESSED BY Doug Evans

BORE-HOLE RECORD

| BIT NO. | FROM | TO | SIZE | TYPE | FROM | TO |
|---|---|---|---|---|---|---|
| 1 | 0.0 | 651.0 | 7 7/8" | Open | 21.0 | 651.0 |

CASING RECORD

| SIZE | WGT. | GRADE | FROM | TO |
|---|---|---|---|---|
| 8 5/8" | N/A | N/A | 0.0 | 21.0 |

FOLD HERE

THIS HEADING 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 | NDD/NSD |
| DIAMETER | 1 11/16" | TOOL MODEL NO. | 102 |
| DETECTOR MODEL NO. | E-1002 | DIAMETER | 1 11/16" |
| TYPE | SCINT. | DETECTOR MODEL NO. | E-1031 |
| LENGTH | 1'6" x 4" | TYPE | BF3 |
| DISTANCE TO N. SOURCE | 8.0 | LENGTH | 1'6" x 6" |
| GENERAL | | SOURCE MODEL NO. | 71-1 |
| HOIST TRUCK NO. | NA | SERIAL NO. | 71-1-355B |
| INTERMINENT TRUCK NO. | 102 | SPACING | 13" |
| TOOL SERIAL NO. | NO-0001 | TYPE | Am241Be |
| | | STRENGTH | 3 Ci |

## LOGGING DATA

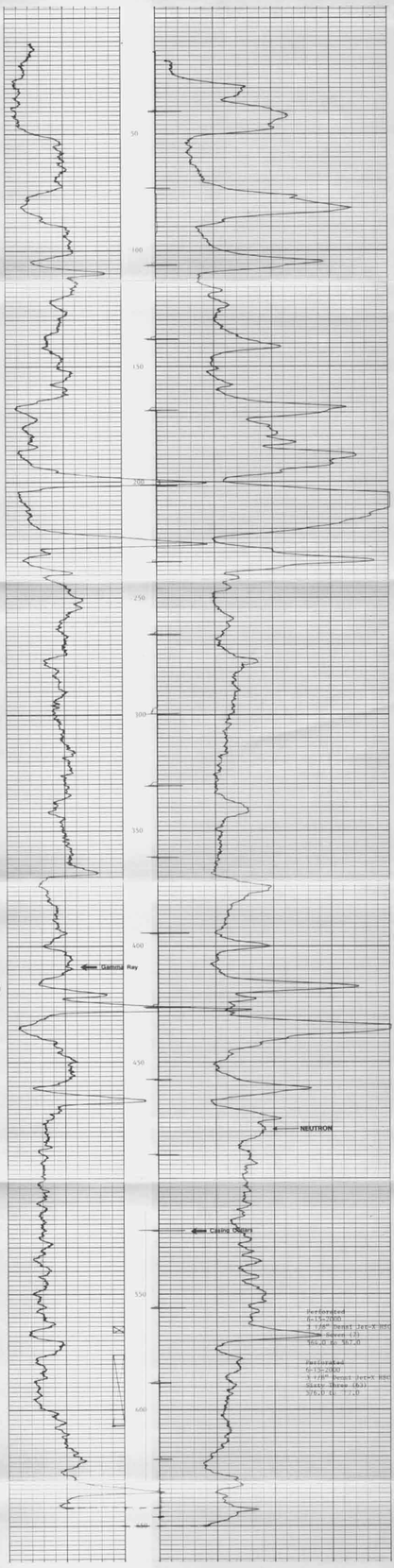
| GENERAL | | | | GAMMA RAY | | | | | NEUTRON | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN NO. | DEPTHS FROM | DEPTHS TO | SPEED FT/MIN. | T.C. SEC. | SENS SETTINGS | ZERO DIV. I OR R | API G.R UNITS PER LOG DIV. | | T.C. SEC. | SENS SETTINGS | ZERO DIV. I OR R | API N. UNITS PER LOG DIV. | |
| 1 | 10.0 | 650.0 | 20 | 4.0 | 1.85/100 | OL | 10 | | 4.0 | 1.35/100 | OL | 20 | |

REFERENCE LITERATURE 4 1/2" Cemented

REMARKS D.E. Evans Energy & Development

REV. 11-14-67

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS




| | | | |
|---|---|---|---|
| COMPANY | D.E. Explorations, Inc. | GAMMA RAY | T.D. 651.0 |
| WELL | 8-9 | GAMMA RAY | R.D. 642.0 |
| LEASE | Belton Unit | NEUTRON | T.D. 651.0 |
| COUNTY | Cass, Missouri | NEUTRON | R.D. 600.0 |
| DATE | 5-12-2000 | CASING SET @ | 8 1/2" - 7.0. |