Case No
6232

Large Exhibits

WEST

A →

IPCAOF 23,000 M

IPCAOF 6,400 M

IPF 13,300 M

TOP/MORROW

MORROW MARKER

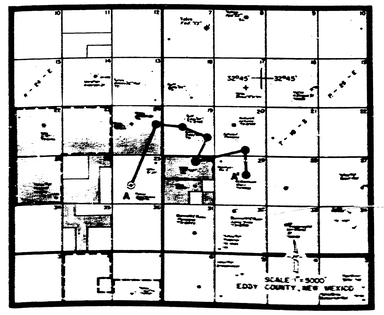
NOT TESTED

UPPER MORROW SANDSTONE

LOWER MORROW

TOP/MISSISSIPPIAN SHALE

TOP/MISSISSIPPIAN LIMESTONE



V.E.R.C.F. MICROGRAPHICS

EAST
A'

M

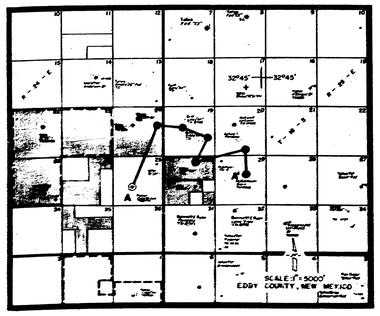
IPCAOF 6,400 M

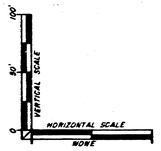
IPF 13,300 M

IPCAOF 27,000 M

IPCAOF 8,500 M

MORROW MARKER





BEFORE THE OIL CONSERVATION DIVISION
CASE NO. 6232 Exhibit No. 2
Submitted by: MESA Pet.
Hearing Date:

MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

CASS RANCH PROSPECT
Eddy County, New Mexico

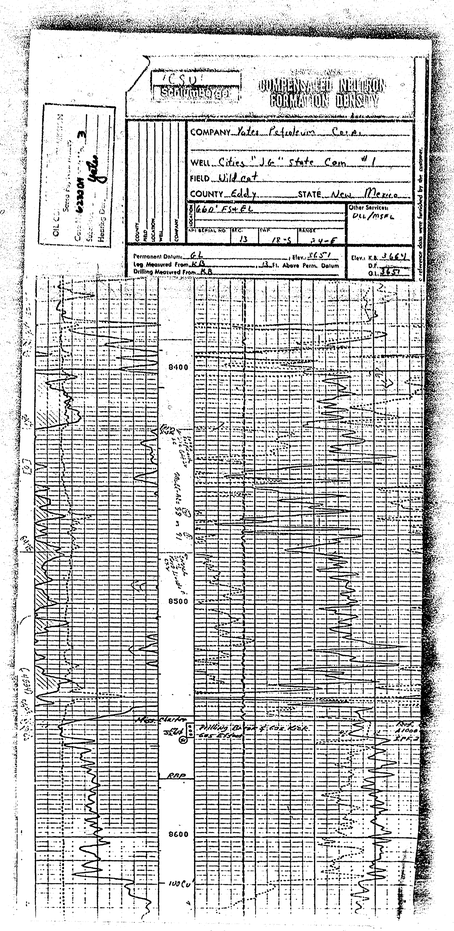
WEST - EAST STRATIGRAPHIC CROSS-SECTION A - A'

Showing Sandstones and Pay Zones in the Morrow

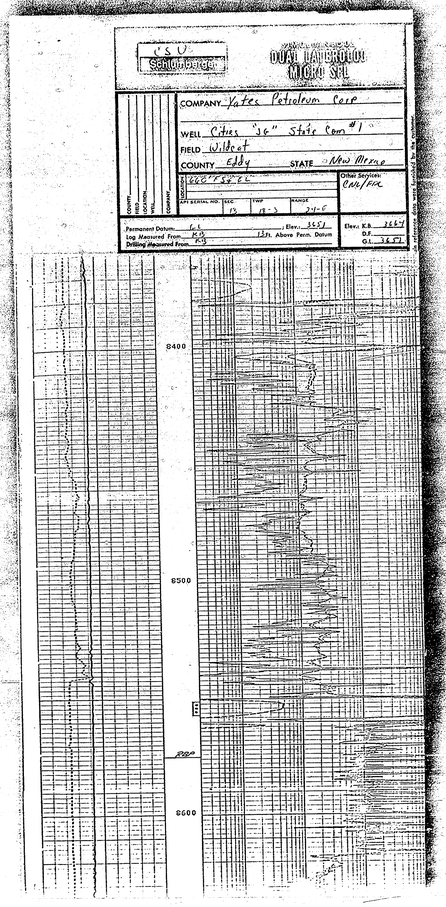
DRAWN BY: COX
DATE: 5-8-79
SCALE: AS SHOWN

U.S.D.I.C.P. RECORD COPY

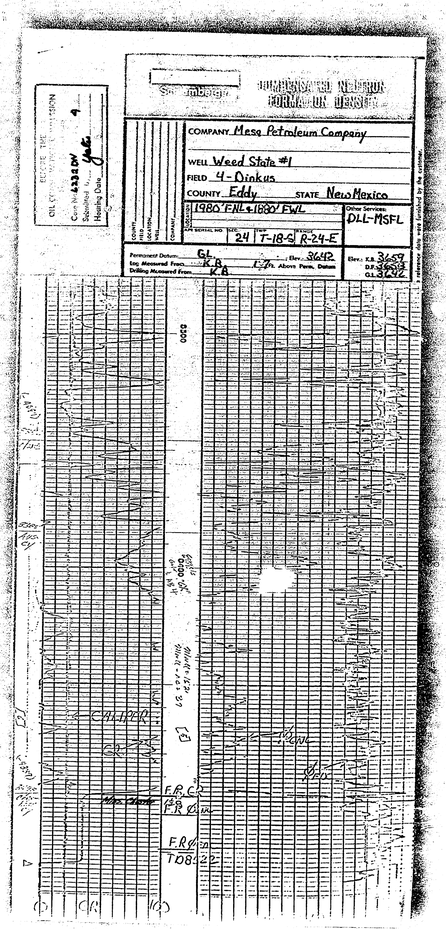
BEST AVAILABLE COPY

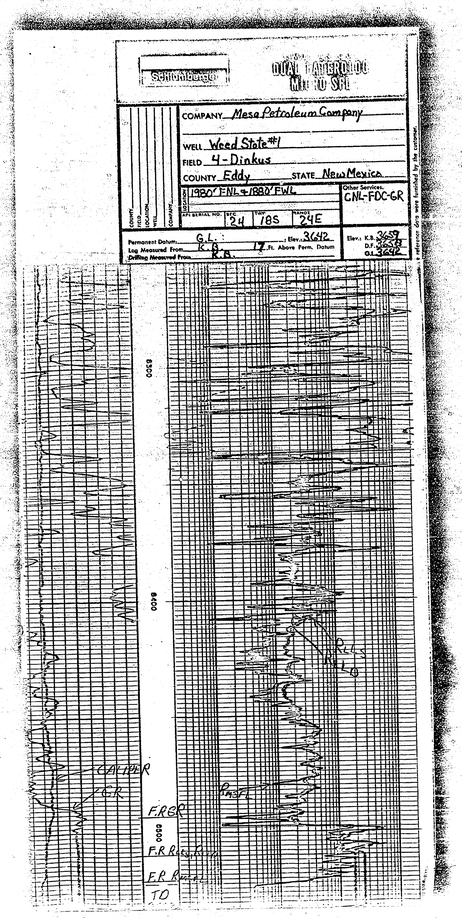


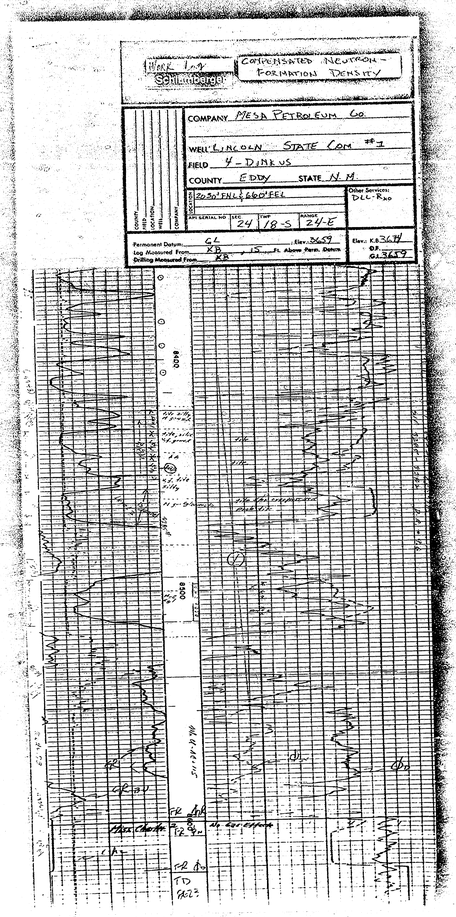
V.T.R.C.F. MICROGRAPHICS

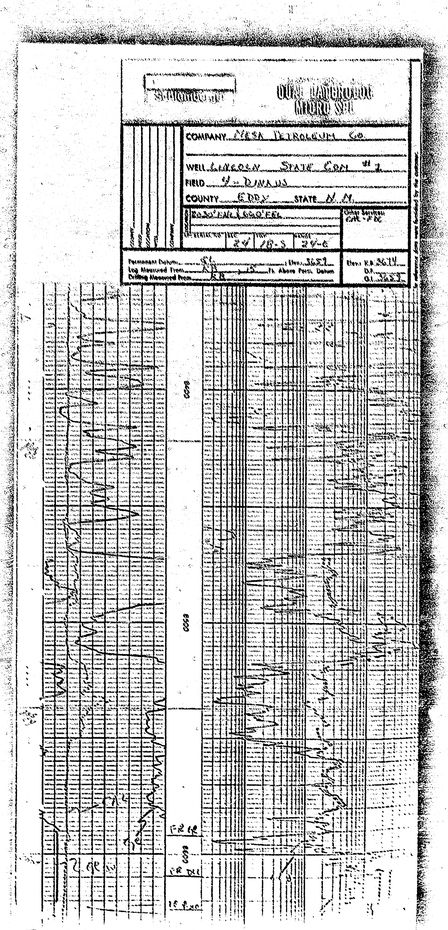


V.T.R.C.F. MICROGRAPHICS


Schlumberger
COMPANY Mesa Petroleum Company
WELL Weed State #1
FIELD 4-Dinkus
COUNTY Eddy STATE New Mexico
1980' FNL & 1650' FWL
Other Services: DIL-MSFL
24 T-18-S R-24-E
Elev.: K.B. 3659
D.F. 3658
G.L. 3642
Permanent Datum: GL
Log Measured From: KB
Drilling Measured From: KB
7.7' Above Perm. Datum
8000
8100
8200
CALIPER
F.R.C.
F.R.
F.R.
T.D. 8212

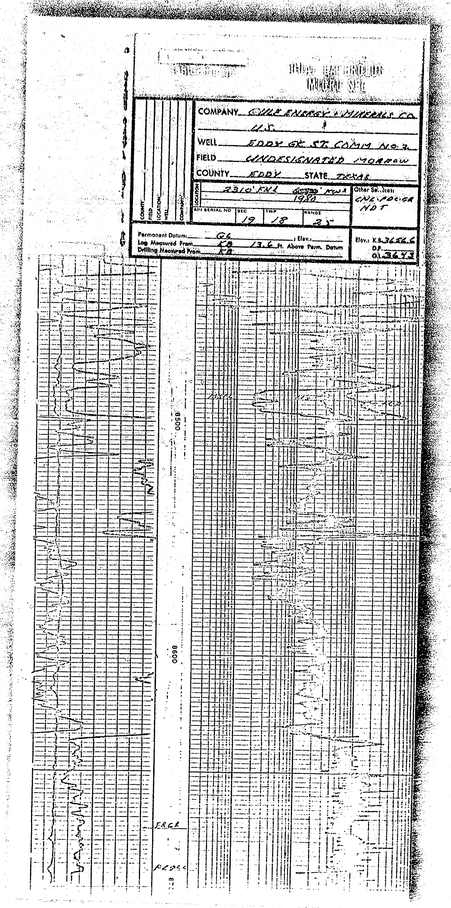

Schlumberger
COMPANY Mesa Petroleum Company
WELL Weed State #1
FIELD 4-Dinkus
COUNTY Eddy STATE New Mexico
1980' FNL & 1880' FWL
Other Services: CNL-FDC-GR
SEC. 24 TWP. 18S RGE. 24E
Permanent Datum: G.L. Elev. 3642
Log Measured From: K.B. 17 Ft. Above Perm. Datum
Drilling Measured From: K.B.
Elev.: K.B. 3659
D.F. 3658
G.L. 3642
6550
6600
CALIPER
SGR
FRR
FRR SXO
FR Rmf
TD


COMPENSATED NEUTRON - FORMATION DENSITY
COMPANY MESA PETROLEUM CO.
WELL LINCOLN STATE COM #1
FIELD 4 - DIMES
COUNTY EDDY STATE N.M.
2030' FNL & 660' FEL
Other Services: DLL-Rxo
Sec. 24 Twp. 18-S Rge. 24-E
Elev.: K.B. 3674
D.F.
G.L. 3659
Permanent Datum: GL
Log Measured From: KB 15 Ft. Above Perm. Datum
Drilling Measured From: KB
6400
6500
6600
TD 6622

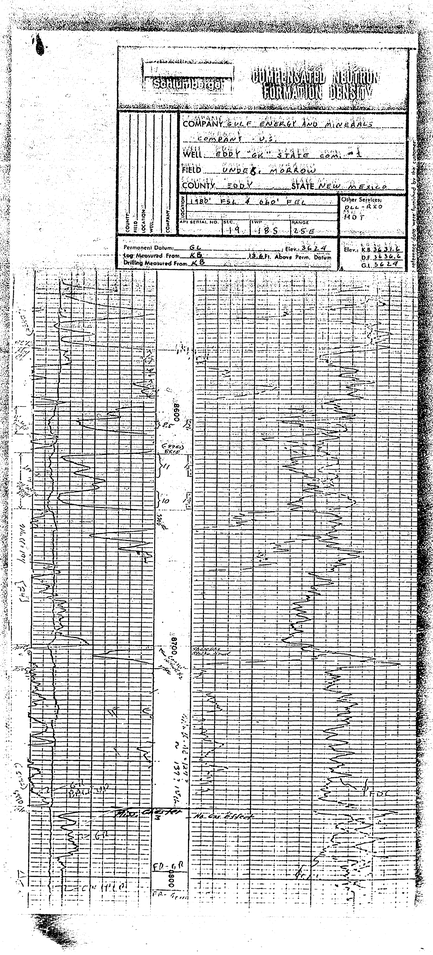

COMPANY MESA PETROLEUM CO.
WELL LINCOLN STATE COM #1
FIELD WILDCAT
COUNTY EDDY STATE N.M.
2630' FNL & 660' FEL
SEC. 24
TWP. 18-S
RGE. 27-E
Other Services:
CNL-FDC
Elev. K.B. 3674
D.F.
G.L. 3657
Permanent Datum: GL
Log Measured From: KB
Drilling Measured From: KB
Elev. 3657
ft. Above Perm. Datum
6900
6950
7000
7050
7100

Schlumberger
COMPENSATED NEUTRON
FORMATION DENSITY
COMPANY GULF ENERGY & MINERALS Co. U.S.
WELL EDDY "A" FED COM. No. 2
FIELD UNDESIGNATED MORROW
COUNTY EDDY STATE N.M.
2310' FNL & 660' FWL
API SERIAL NO.
SEC. 19
TWP. 18S
RANGE 28E
Other Services: DLL/MSFL HDT
Permanent Datum: GL
Log Measured From: KB 16 Ft. Above Perm. Datum
Drilling Measured From: KB
Elev.: K.B. 3656
G.L. 3643
8600
8500
FRAC
FRAC

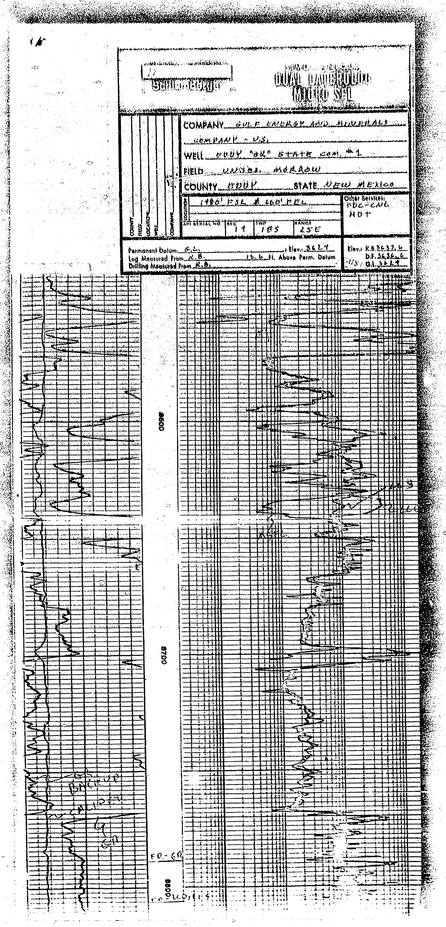
U.S.R.C.P. TECHNOGRAPHICS


COMPANY GULF ENERGY & MINERALS CO.
U.S.
1
WELL EDDY GAS. ST. COMM NO. 2
FIELD UNDESIGNATED MORROW
COUNTY EDDY STATE TEXAS
2310' FNL 1980' FWL
SEC. 19 TWP. 18 RANGE 25
Other Services:
CNL/FDC/GR
HDT
Permanent Datum: GL
Log Measured From: KB
Drilling Measured From: KB
13.6 Ft. Above Perm. Datum
Elev.: K.B. 3666.6
D.F.
G.L. 3653
6500
6600
ERR2
PRINT

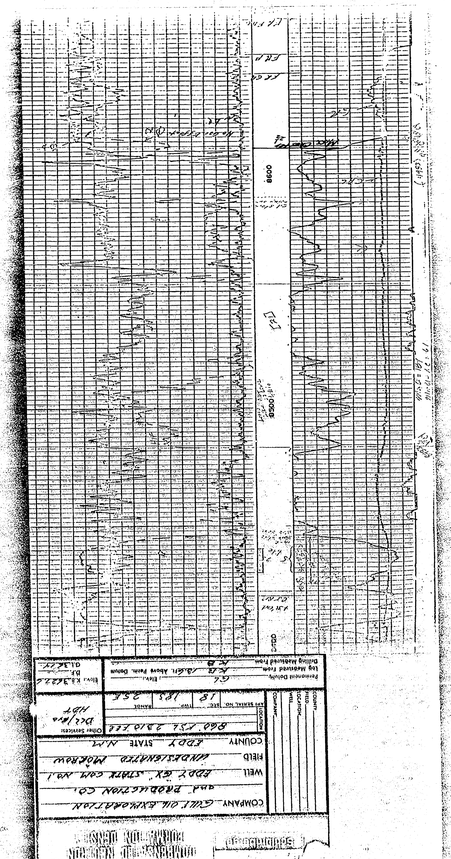

V.R.I.C.F. MICROGRAPHICS



V.V.N.C.F. MICROGRAPHICS


Schlumberger
DUAL LATEROLOG
MICRO SFL
COMPANY GULF ENERGY AND MINERALS
COMPANY - U.S.
WELL EDDY "GR" STATE COM. #1
FIELD WILDCAT, MORROW
COUNTY EDDY STATE NEW MEXICO
1980' FSL & 660' FEL
Other Services
NGS-CAL
HDT
SEC. 19 TWP. 18S RGE. 25E
Permanent Datum G.L.
Log Measured From K.B.
Drilling Measured From K.B.
Elev.: 3619
15.6 Ft. Above Perm. Datum
Elev.: K.B. 3637.4
D.F. 3636.6
G.L. 3619
RUN ONE
DATE 8-15-78
DEPTH DRILLER 8500
DEPTH LOGGER 8500
BTM. LOG INTERVAL 8500
TOP LOG INTERVAL 1500
CASING DRILLER 13 3/8 @ 1500
CASING LOGGER 1500
BIT SIZE 12 1/4
TYPE FLUID IN HOLE GEL CHEM
DENS. VISC. 10.0 38
PH FLUID LOSS 10.5 6.4
SOURCE OF SAMPLE CIRC.
RM @ MEAS. TEMP. .75 @ 70
RMF @ MEAS. TEMP. .60 @ 70
RMC @ MEAS. TEMP. 1.0 @ 70
SOURCE RMF RMC CIRC.
RM @ BHT .40 @ 160
TIME SINCE CIRC. 4 HRS
MAX. REC. TEMP. 160
EQUIP. LOCATION 3-0
RECORDED BY
WITNESSED BY
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
CALIPER
BIT SIZE
GAMMA RAY
SP
RESISTIVITY
MSFL
LLD
LLS
DEPTH
GR
CALI
SP
MSFL
LLD
LLS
0
100
6
16
-100
100
0.2
2000
0.2
2000
0.2
2000
0.2
2000
Gulf Energy and Minerals
Eddy "GR" State Com. #1
1980' FSL & 660' FEL
Sec. 19, T18S, R25E
Eddy County, New Mexico
Wildcat, Morrow
Gulf Energy and Minerals
Eddy "GR" State Com. #1
1980' FSL & 660' FEL
Sec. 19, T18S, R25E
Eddy County, New Mexico
Wildcat, Morrow


W.E.R.C.F. MICROGRAPHICS



DUAL LATEROLOG
MICRO SFL
COMPANY GULF OIL EXPLORATION
AND PRODUCTION CO.
WELL EDDY GK STATE COM NO 1
FIELD UNDESIGNATED MORROW
COUNTY EDDY STATE N.M.
660' FSL & 2310' FEL
Other Services:
CNL FDC GR
HDT
SEC 18 TWP 17S RGE 25E
Permanent Datum: GL
Log Measured From: KB 13.6 Ft. Above Perm. Datum
Drilling Measured From: KB
Elev.: K.B. 3622L
D.F.
G.L. 3334'
6600
6500
FEET
FEET
FEET