GEOLOGICAL EXPLORATION, INC.

G-X

XTRA ENERGY CORPORATION

Exploration unit 1
(037-31945)

COMPANY
WELL
AREA WILMINGTON
COUNTY LOS ANGELES
LOCATION SEC. 19, T 4S, R 13W SBBM
ELEVATION 39' GL, 57' KB
DATE APRIL 24, 1974 to APRIL 29, 1974
DEPTH 3000' to 4835'
CO. GEOLOGIST TOM MORRIS, JIM THOMPSON
CO. ENGINEER DEWEY WATSON
CO. PUSHER HARRY HULL
LOGGING GEOLOGISTS LEO COLLINS, JOHN GRAUB

MUD COMPANY CALADA MATERIALS COMPANY
MUD ENGINEER GRANT GOULD
MUD TYPE GEL, OIL & CHEMICAL
CONTRACTOR BIG CHIEF DRILLING COMPANY
RIG No. 18, HOPPER SPECIAL
PUSHER MITCH MITCHELL
PUMPS GARDNER-DENVER 0-500 6" X 16"

CO CIRCULATE OUT
NR NO RETURNS
CG CONNECTION GAS
TG TRIP GAS
DST DRILL STEM TEST
M MUD WEIGHT
V VISCOSITY
F MUD FILTRATE
CL SALINITY
T TEMPERATURE
Rm MUD RESISTIVITY
Rmf FILTRATE RESISTIVITY
CORE BIT
NEW BIT
RRB RERUN BIT
TONS WT ON BIT

CLAY
SILTY SHALE
SDY SILTSTONE
SILTSTONE
SAND
CONGLOMERATE
LIMESTONE
LIGNITE
CHERT
VOLCANICS
GRANITE

HOLE SIZE
30 3/8" CASING TO 619'
8 3/8" HOLE TO 4835'

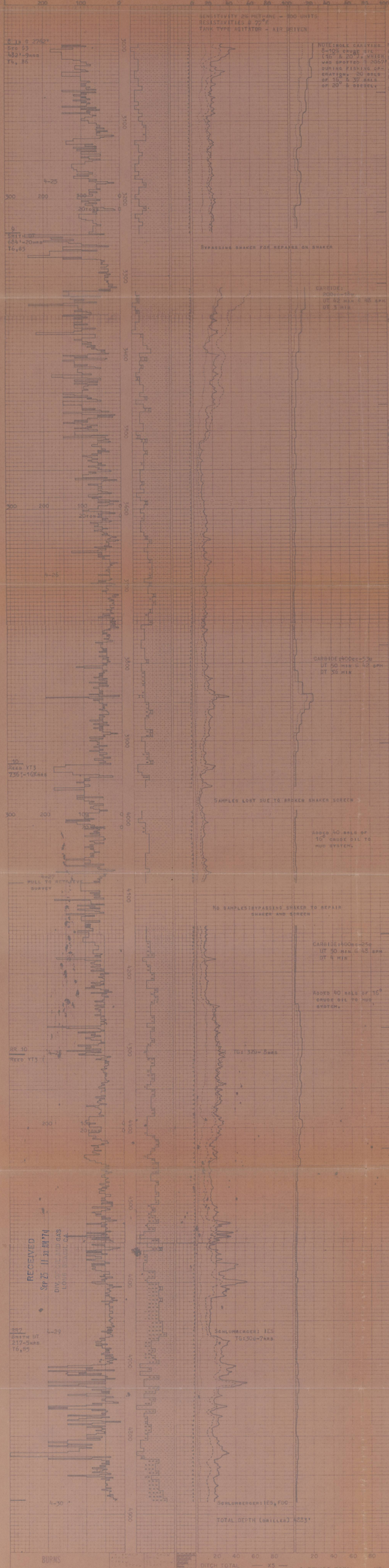
SHOWS
LIVE OIL
SEMI-LIVE OIL
SOLVENT CUTS

CUTS: DS DARK, DL LIGHT, DY YELLOW, DO ORANGE, DP PINK, DW WHITE, DC CREAM, DB BROWN
OIL: LS SHOW, MS MODERATE, HS HEAVY, FS FLUORESCENT, FC FLUORESCENT CUT

GAS LOG
DITCH & MUD ANALYSIS
DITCH ____
BLENDOR ____
C2-C5 ____
CUTTINGS ANALYSIS
TOTAL GAS
C2-C5

REMARKS
DESCRIPTIONS
SURVEYS
MUD DATA
MISCELLANEOUS

DRILL RATE — 20 Tons — 0 — HEAVY LINE SCALE X5 — GRAPHIC SCALE


SENSITIVITY 2% METHANE — 100 UNITS
RESISTIVITIES @ 77°F
TANK TYPE AGITATOR - AIR AGITATION
NOTE:HOLE CAVINGS 5-10% CRUDE OIL LIKE & FLOW WATER WAS SPOTTED 1 2400' DURING FISHING JOB. SWATCHES DO HAVE DE 16° & 32° BELOW OF 20° & DIESELY
M 72.5 V 45 F 3.0
C 2/32 pH 8.4
Rm 1.02 Rmf 1.65
CL 326 ppm So 28%
Solids 8% Oil 5%
Calcium 80 ppm
SANDGLEAR-GRY-WHT W/ACCESSORY MINERALS OF APATITE & OLIVINE, FN-V CGS, SUB RD-SUB ANG, TRCE OF BIOTITE, TRC FORAMS W/OSTRACODS & CARSIOULINA BEING NOTED, TRC PELECYPOD SHELL FRAGS, SDS-POORLY SORTED & UNCONSOL, ABDT-FLOODS OF FUSANE & CARB MAT, ABDT TARRY OIL CONTAMINATION YIELDING DK AMBER FLOUR CUTS
BYPASSING SHAKER FOR REPAIRS ON SHAKER
ADDED 35# BBLS OF 10° CRUDE OIL TO MUD SYSTEM
LSILT GRY BRN-LT BRN, FIRM-HARD, V CALC, UNMOD, SILTY, ODC FERROMAGNIC INCLUSIONS.
CARBIDE:
DT 62 min & 45 sec
DX 3 min
SANDIFRED CLEAR, GRY & MILKY WHT W/SCATTERED BLK & GRY FERROMAGNIC GRS, FRED CSE-V CSE W/OCC MED, SUB ANG-SUB RD, FR-GD SORTING, UNCONSOLIDATED, ABDT APATITE, FR-GD OLIVINE & MINOR HEMATITE.
M 73 V 43 F 3.3
C 2/32 pH 9.4
Rm 1.51 Rmf 1.22
CL 1420 ppm So 1%
Solids 7% Oil 3%
Calcium 120 ppm
LSILT GRY BRN-MED GRY BRN/FIRM-HD, V IMPURE, V SILTY, GRADES TO DKY-LT BRN SILTSTN.
CLAYLT GRY BRN, SOFT-V SOFT, SOLUBLE, STICKY, V FR SANDY.
OVER SHAKER
SANDICLEAR, GRY & MILKY WHT W/OCC SMOKY CTS, ABDT FERROMAGNIC MINERALS, GRADING W/ CSE-FN-CSE W/OCC V CGS, ANG-SUB RD, FR-FR SORTING, FRED UNCONSOL, OCC TRC UNC-GRY DS W/FR CALC CMT, TRC KAOLIN, TRC BIOTITE & MUSCOVITE, ABDT APATITE & PYROXENE, TRCS OLIVINE & HEMATITE, ABDT FUSANE & CARB MAT ABDT TAR W/CONTAMINATION AMOUNT UNKNOWN, OCC TRC FORAMS W/ROSULUS BEING PREVALENT UVIGERINA & RODDERIA BEING NOTED.
CARBIDE:
DT 50 min & 45 sec
DX 2 min
M 70 V 47 F 3.4
C 2/32 pH 10.0
Rm 1.75 Rmf 1.30
CL 1200 ppm So 1%
Solids 7% Oil 0%
Calcium 100 ppm
SAMPLES LOST DUE TO BROKEN SHAKER SCREEN
SANDIAS ABOVE W/ CG TRC BIOTITE, SLT TRC FORAMS W/ROSULUS & UVIGERINA BEING NOTED.
ADDED 40 BBLS OF 10° CRUDE OIL TO MUD SYSTEM.
PULL TO REPAIR SUBPAT
NO SAMPLES BYPASSING SHAKER TO REPAIR SHAKER AND SCREEN
CARBIDE:
DT 50 min & 45 sec
DX 4 min
M 72 V 58 F 3.2
C 2/32 pH 9.3
Rm 1.89 Rmf 1.35
CL 650 ppm So 1%
Solids 9% Oil 6%
Calcium 80 ppm
ADDED 40 BBLS OF 10° CRUDE OIL TO MUD SYSTEM.
SILTSTNLT-MED BRN SOFT-V EASILY FRIABLE, PRLY MODERN, CLAYEY IN PART, SLT CALC, TRC FORAMS W/UVIGERINA BEING NOTED
TRC GLOBS
CLAYSTN-MED BRN V SOFT, SLT SILTY, V SILTY-V SDY, GRADES TO SILTSTN.
ABUNDANT TARRY GLOBS
SANDSIFRED OTC-BRN & MILKY-LT GREY, CONSOL, LT YELLOW & LT GREENS TRCS, VFR-FRED MED, SUB ANG-SUB RDED, W CLAYSTN AND OIL COATING ENTIRE SAMPLE FROM SPOTTED CRUDE, CUTS INSTANT DARK BLACK, TARRY GLOBS TO 3/8" SIZE.
CLAYIFRED-MED-OCC DK BRN-GRY BRN W/ DRK OLIVE CAST, SLIGHTLY SOLUBLE, OCC OLD SOLUBLE, SILTY-SDY, FORAMS W/ROSULUS, CARSIOULINA & UVIGERINA BEING NOTED, TRC BIOTITE, TRC MEDIUM SHELL FRAGS.
M 73 V 49 F 3.0
C 2/32 pH 10.5
Rm 1.30 Rmf 1.19
CL 1100 ppm So 3%
Solids 10% Oil 10%
Calcium 120 ppm
SILTSTNMED-DK BRN TO OCC DK GRYISH BRN, PRIMARILY MD, CALC, OCC MICACEOUS, SHADED TO ALIFT SHALE & IMPURE LS.
SANDICLEAR, GRY, WHT, ENG W/ SCATTERED FERROMAGNESIAN MINERALS, FR-CSE W/OCC V CGS, TRC SUB ANG-SUB RD, PR-FR SORTING, UNCONSOL.
M 73 V 51 F 3.4
C 2/32 pH 10.2
Rm 1.55 Rmf 1.25
CL 1200 ppm So 3%
Solids 10% Oil 0%
Calcium 120 ppm
SILTSTNIPRED MED-DK BRN W/OCC GRY BRN, FIRM FRIABLE, PR SEDIMENT, MICACEOUS, FR-GD CALC.
RECEIVED
SEP 27 11 1974
DIV. OF OIL, GAS & MINERALS
SCHLUMBERGER: LES TO 4300'-TARS
SCHLUMBERGER: LES, FDC
TOTAL DEPTH (DRILLER) 4835'

BURNS
GEOLOGICAL EXPLORATION, INC.

DITCH TOTAL ____ X5 ____
BLENDOR TOTAL ____
C2-C5 ____

CUTTINGS TOTAL ____ X5 ____
C2-C5 ____

HAO PETROLEUM
CORPORATION CAL. 1

E & B Natural Resources Management Corp.