OR_345

357042

ENCLOSURE 3

BAROID *ppm* LOG

WELL TAROOK NO. [redacted]
COMPANY ESSO AUST
FIELD BASS BAS
COUNTY WILDCAT IA

INTERVAL LOGGED 750 FT TO 9100 FT
DATE LOGGED OCTOBER 4, 72 TO OCT. 18, 72
DEPTH MEASURED FROM KELLY BUSHINGS

SUPERVISING ENGINEER W.G. DUNCA 09
TYPE MUDS SEAWATER TO 5375 FT
LIGNOSULFONATE TO T.D. FT

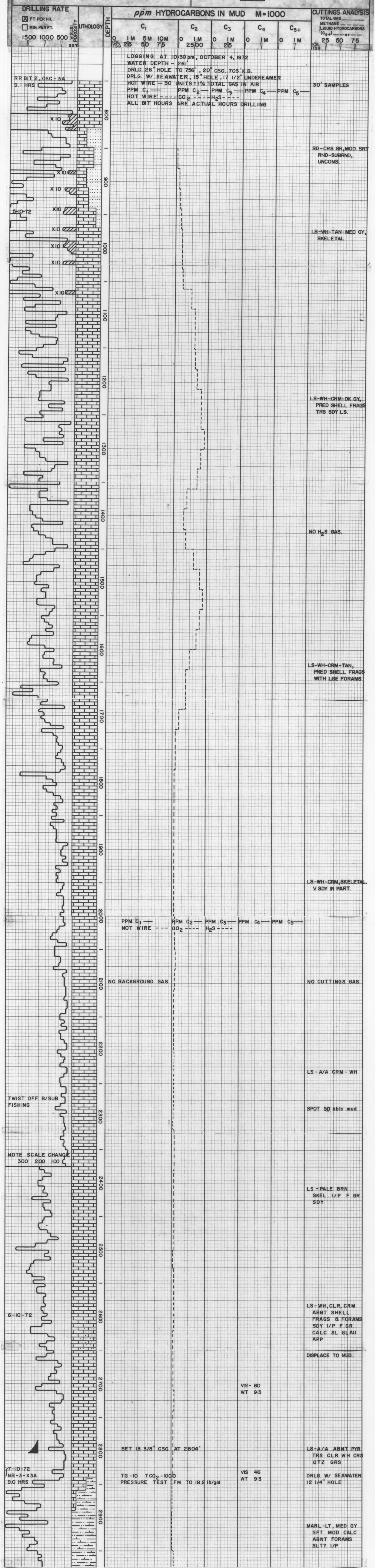
LEGEND

ABBREVIATIONS

NB	NEW BIT		**MUD CHARACTERISTICS**
NCB	NEW CORE BIT	W	WEIGHT X LBS/GAL ___ LBS/CU FT
CO	CIRCULATED OUT	V	VISCOSITY, API, SECONDS
DST	DRILL STEM TEST	F	FILTRATE, API, CC'S
LAT	LOGGED AFTER TRIP	CK	FILTER CAKE
TG	TRIP GAS	S	SALINITY X PPM CL⁻ ___ GPG CL⁻
NR	NO RETURNS	Rm	MUD-RESISTIVITY, OHM-METER
DS	DIRECTIONAL SURVEY	Rmc	MUD-CAKE RESISTIVITY, OHM-METER
DC	DEPTH CORRECTION	Rmf	MUD-FILTRATE RESISTIVITY, OHM-METER

LITHOLOGY

SAND	░	LIMESTONE	▦
SHALE	▤	OOLITIC LIMESTONE	▦
CLAY	▤	DOLOMITE	▧
CHERT	▲	GYPSUM, ANHYDRITE	▨
SALT	▦	COAL OR LIGNITE	■
SILTSTONE	▤	GRANITE WASH	☒
CONGLOMERATE	░		



LOGGING AT 10:30 pm, OCTOBER 4, 1972
WATER DEPTH - 261'
DRLD. 26" HOLE TO 756', 20" CSG. 703' K.B.
DRLG. W/ SEAWATER, 15" HOLE, 17 1/2" UNDEREAMER
HOT WIRE — 30 UNITS = 1% TOTAL GAS IN AIR
PPM C_1 — PPM C_2 — PPM C_3 — PPM C_4 — PPM C_5 —
HOT WIRE - - - - CO_2 - - - - H_2S - - - -
ALL BIT HOURS ARE ACTUAL HOURS DRILLING

RR BIT 2, OSC - 3A
9.1 HRS

30' SAMPLES

SD-CRS GR, MOD SRT
RND-SUBRND,
UNCONS.

5-10-72

LS-WH-TAN-MED GY,
SKELETAL.

LS-WH-CRM-DK GY,
PRED SHELL FRAGS
TRS SDY LS.

NO H_2S GAS.

LS-WH-CRM-TAN,
PRED SHELL FRAGS
WITH LGE FORAMS.

LS-WH-CRM, SKELETAL.
V SDY IN PART.

PPM C_1 — PPM C_2 — PPM C_3 — PPM C_4 — PPM C_5 —
NOT WIRE - - - CO_2 - - - - H_2S - - - -

NO BACKGROUND GAS

NO CUTTINGS GAS

LS - A/A CRM - WH

TWIST OFF B/SUB
FISHING

SPOT 50 bbls mud

NOTE SCALE CHANGE
300 200 100

LS - PALE BRN
SKEL. I/P F GR
SDY

6-10-72

LS - WH, CLR, CRM
ABNT SHELL
FRAGS & FORAMS
SDY I/P F GR
CALC SL GLAU
APP

DISPLACE TO MUD.

VIS - 60
WT 9·3

SET 13 3/8" CSG AT 2804'

LS-A/A ABNT PYR
TRS CLR WH CRS
QTZ GRS

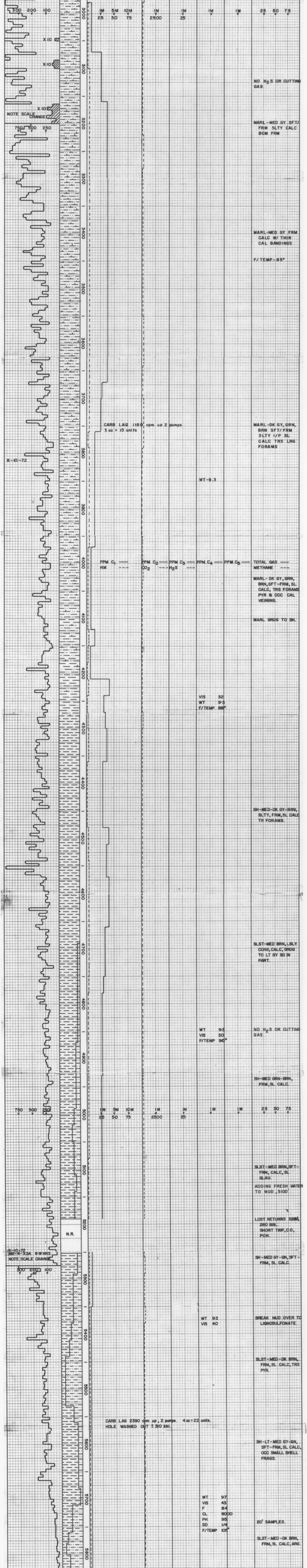
7-10-72
NB-3-X3A
9.0 HRS

TG-10 TCO_2-1000
PRESSURE TEST FM TO 18.2 lb/gal

VIS 46
WT 9·3

DRLG. W/ SEAWATER
12 1/4" HOLE

MARL-LT, MED GY
SFT MOD CALC
ABNT FORAMS
SLTY I/P



NO H_2S OR CUTTING GAS

MARL-MED GY SFT/FRM SLTY CALC BCM FRM

MARL-MED GY FRM CALC W/ THIN CAL BANDINGS

F/TEMP-85°

CARB LAG 1180 cpm up 2 pumps
3 oz = 15 units

MARL-DK GY, GRN, BRN SFT/FRM SLTY I/P SL CALC TRS LRG FORAMS

8-10-72

WT-9.3

MARL-DK GY, GRN, BRN, SFT-FRM, SL CALC, TRS FORAMS PYR & OCC CAL VEINING.

MARL GRDG TO SH.

VIS 32
WT 9·3
F/TEMP 88°

SH-MED-DK GY-BRN, SLTY, FRM, SL CALC TR FORAMS.

SLST-MED BRN, LSLY CONS, CALC, GRDG TO LT GY SD IN PART.

WT 9·3
VIS 30
F/TEMP 90°

NO H_2S OR CUTTING GAS

SH-MED GRN-BRN, FRM, SL CALC.

SLST-MED BRN, SFT-FRM, CALC, SL GLAU.

ADDING FRESH WATER TO MUD, 5100'

LOST RETURNS 5255, 260 BBL.
SHORT TRIP, C.O, POH.

9-10-72
NB-4-X3A. 6·9 HRS.

SH-MED GY-GN, SFT-FRM, SL CALC.

WT 9·3
VIS 40

BREAK MUD OVER TO LIGNOSULFONATE.

SLST-MED-DK BRN, FRM, SL CALC, TRS PYR.

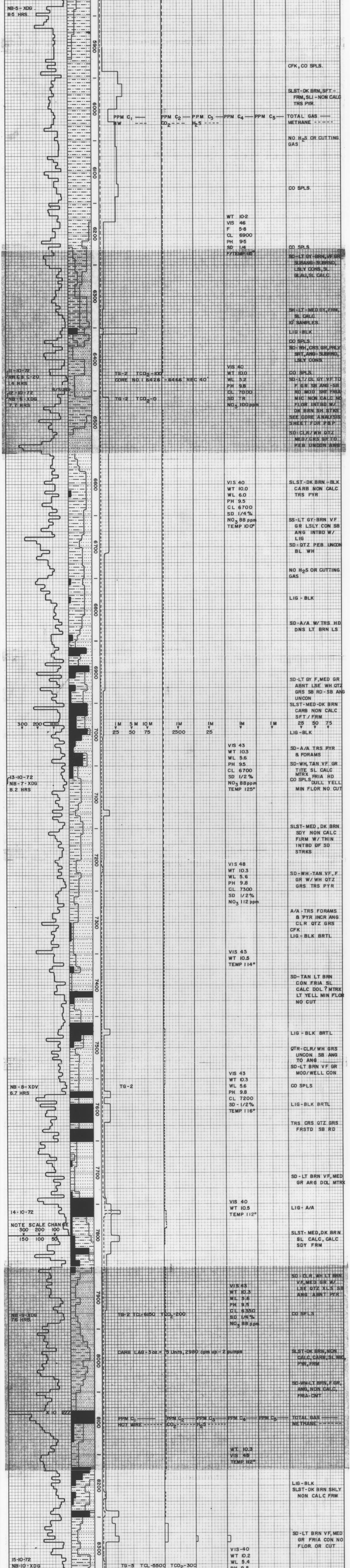
CARB LAG 2390 cpm up, 2 pumps. 4 oz = 22 units.
HOLE WASHED OUT ± 310 bbl.

SH-LT-MED GY-GN, SFT-FRM, SL CALC, OCC SMALL SHELL FRAGS.

WT 9·7
VIS 43
F 8·4
CL 8000
PH 9·5
SD 1/4
F/TEMP 105°

20' SAMPLES.

SLST-MED-DK BRN, FRM, SL CALC, ARG.



NB-5-XDG.
8·5 HRS.

CFK, CO SPLS.

SLST-DK BRN, SFT-FRM, SLI-NON CALC TRS PYR.

NO H_2S OR CUTTING GAS

CO SPLS.

WT 10·2
VIS 46
F 5·8
CL 6900
PH 9·5
SD 1/4
F/TEMP 115°

CO SPLS.

SD-LT GY-BRN, VF GR SUBANG-SUBRND, LSLY CONS, SL GLAU, SL CALC.

SH-LT-MED GY, FRM, SL CALC.

10' SAMPLES.

LIG-BLK

CO SPLS.

SD-WH, CRS GR, PRLY SRT, ANG-SUBRND, LSLY CONS.

11-10-72
RR CB C-20
1.4 HRS

TG-2 TCO_2-100
CORE NO. 1 6426'-6466' REC 40'

VIS 40
WT 10.0
WL 5.2
PH 9.8
CL 7000
SD TR
NO_3 100 ppm

CO SPLS.

SD-LT/OL GY VF TO F GR SB ANG-SB RD MOD SRT FRIA MIC NON CALC NO FLOR INTBD W/ DK BRN SH STKS

B/SUBS

12-10-72
NB-6-XDG
7.7 HRS

TG-2 TCO_2-0

SEE CORE ANALYSIS SHEET FOR P&P

SD-CLR/WH QTZ MED/CRS GR TO PEB UNCON ANG

VIS 40
WT 10.0
WL 6.0
PH 9.5
CL 6700
SD 1/4%
NO_3 88 ppm
TEMP 100°

SLST-DK BRN-BLK CARB NON CALC TRS PYR

SS-LT GY-BRN VF GR LSLY CON SB ANG INTBD W/ LIG

SD-QTZ PEB UNCON BL WH

NO H_2S OR CUTTING GAS

LIG-BLK

SD-A/A W/TRS HD DNS LT BRN LS

SD-LT GY F, MED GR ABNT LSE WH QTZ GRS SB RD-SB ANG UNCON

SLST-MED-DK BRN CARB NON CALC SFT/FRM

LIG-BLK

VIS 43
WT 10.3
WL 5.6
PH 9.5
CL 6700
SD 1/2%
NO_3 88 ppm
TEMP 125°

SD-A/A TRS PYR & FORAMS

SD-WH, TAN VF GR TITE SL CALC MTRX FRIA HD DULL YELL MIN FLOR NO CUT

CO SPLS

13-10-72
NB-7-XDG
8.2 HRS

SLST-MED, DK BRN SDY NON CALC FIRM W/ THIN INTBD OF SD STRKS

VIS 48
WT 10.3
WL 5.6
PH 9.8
CL 7300
SD 1/2%
NO_3 112 ppm

SD-WH-TAN VF, F GR W/ WH QTZ GRS TRS PYR

A/A-TRS FORAMS & PYR INCR ANG CLR QTZ GRS

CFK

LIG-BLK BRTL

VIS 45
WT 10.5
TEMP 114°

SD-TAN LT BRN CON FRIA SL CALC DOL ? MTRX LT YELL MIN FLOR NO CUT

LIG-BLK BRTL

QTR-CLR/WH GRS UNCON SB ANG TO ANG

SD-LT BRN VF GR MOD/WELL CON

NB-8-XDV
6.7 HRS

TG-2

VIS 43
WT 10.3
WL 5.6
PH 9.8
CL 7200
SD-1/2%
TEMP 116°

CO SPLS

LIG-BLK BRTL

TRS CRS QTZ GRS FRSTD SB RD

SD-LT BRN VF, MED GR ARG DOL MTRX

VIS 40
WT 10.5
TEMP 112°

LIG-A/A

14-10-72

SLST-MED, DK BRN SL CALC, CALC SDY FRM

SD-CLR, WH LT BRN VF, MED GR W/ LSE QTZ XLS SB ANG ABNT PYR

VIS 43
WT 10.3
WL 5.6
PH 9.5
CL 6350
SD 1/4%
NO_3 88 ppm

NB-9-XDG
7.6 HRS.

TG-2 TCL-6150 TCO_2-200

CO SPLS

CARB LAG-3 oz. = 5 Units, 2980 cpm up - 2 pumps

SLST-DK BRN, NON CALC, CARB, SL MIC, PYR, FRM

SD-WH-LT BRN, F GR, ANG, NON CALC, FRIA-CMT

WT. 10.3
VIS 45
TEMP 112°

LIG-BLK

SLST-DK BRN SHLY NON CALC FRM

SD-LT BRN VF, MED GR FRIA CON NO FLOR. OR CUT

VIS-40
WT 10.2
WL 5.4
PH 9.5

15-10-72
NB-10-XDG

TG-5 TCL-5500 TCO_2-300