

MASON MAP SERVICE, INC.

**LONG LAKE (Rodessa 8600)
& (Pettet 9300)**

**FIELD STUDY
ANDERSON COUNTY**

ESTIMATED ORIGINAL GAS IN PLACE AND RECOVERABLE GAS
LONG LAKE (PETTET 9300) FIELD
ANDERSON COUNTY, TEXAS

DATA:

POROSITY = ϕ = 13%

WATER SATURATION = S_w = 23%

GAS FORMATION VOLUME FACTOR = B_{gi} = 245.6 SCF/CU.FT

AVERAGE NET PAY = H = 15'

ACRES = A = 320 ACRES

ESTIMATED ORIGINAL GAS IN PLACE:

43,560 (ϕ) (1- S_w) (A) (H) (B_{gi}) 10^{-3}

43,560 (.13) (1-.23) (320) (15) (245.6) 10^{-3}

8,140,336 MSCF

ESTIMATED RECOVERABLE GAS:

(ORIGINAL GAS IN PLACE) (RECOVERY FACTOR)

(8,140,336 MSCF) (.90)

4,626,302 MSCF

EXHIBIT NO: 5

OPERATOR: BEN J. FORTSON

DECKET NO: 6-89,044

DATE: NOVEMBER 12, 1986

LONG LAKE (Rodessa 8600)

LOCATION: 11 miles SW of Palestine, Texas Anderson County.

GAS DISCOVERY: Home Petr. Corp. #1-U Joseph Munnig,
Sanchez Survey, A-60. Comp. 8-5-66. IP CAOF
5917 MCF/r gas, gvy 603 deg, 5 WHP 5700. TD.
10,843', FBU 10,001'. Top of pay 8586'. Flow.
226 DF.

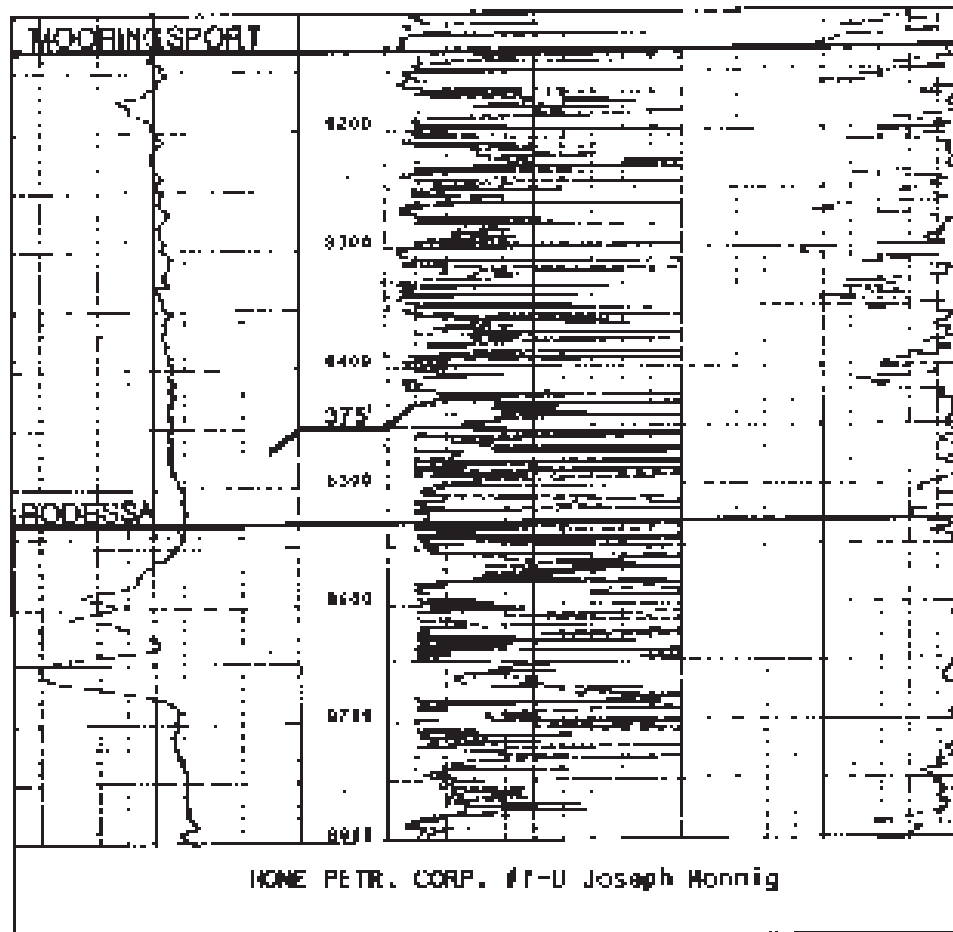
NET PAY: 35 ft.

PRODUCING INTERVAL: 8586' - 8592'; 8625' - 8610';
8622' - 8624'; 8644' - 8656'.

HOLES: 8532 Rodessa, 9224 Pettet, 9625' Trevis
Peak.

NOTE: Was completion with discovery well for Long
Lake (Pettet 9300).

FIELD RULES: Spacing of 1320' from lease lines and
2640' between wells completed on the same tract.
Gas production units of 320 ac. with a 10% tol-
erance and a maximum diameter of 6000 feet.
Based on 100% average. Rules made permanent
8-7-66.



HDHF PETRO FUM CORP. MONASIS #1. LONG LAKE (PETRO D350)

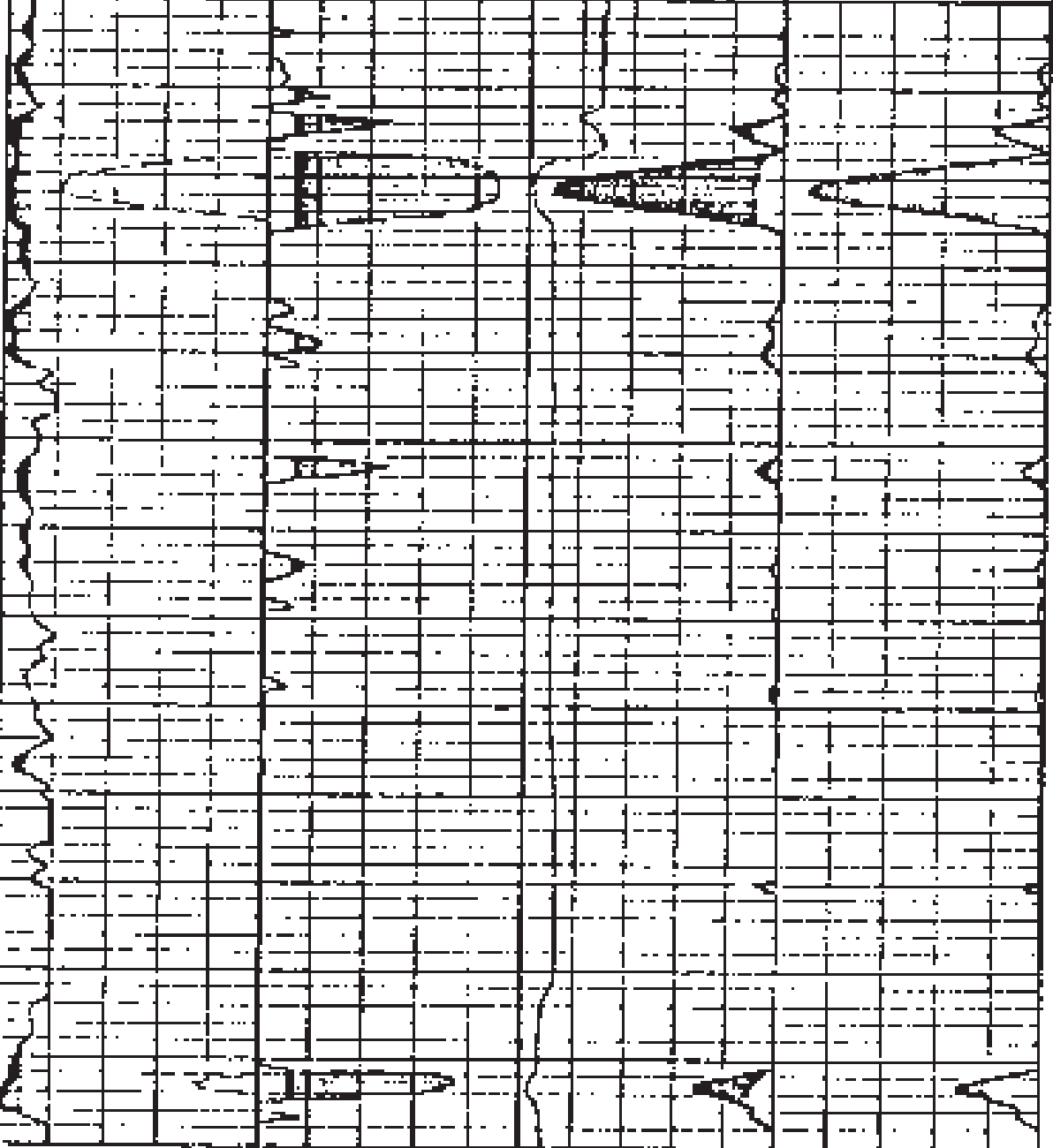
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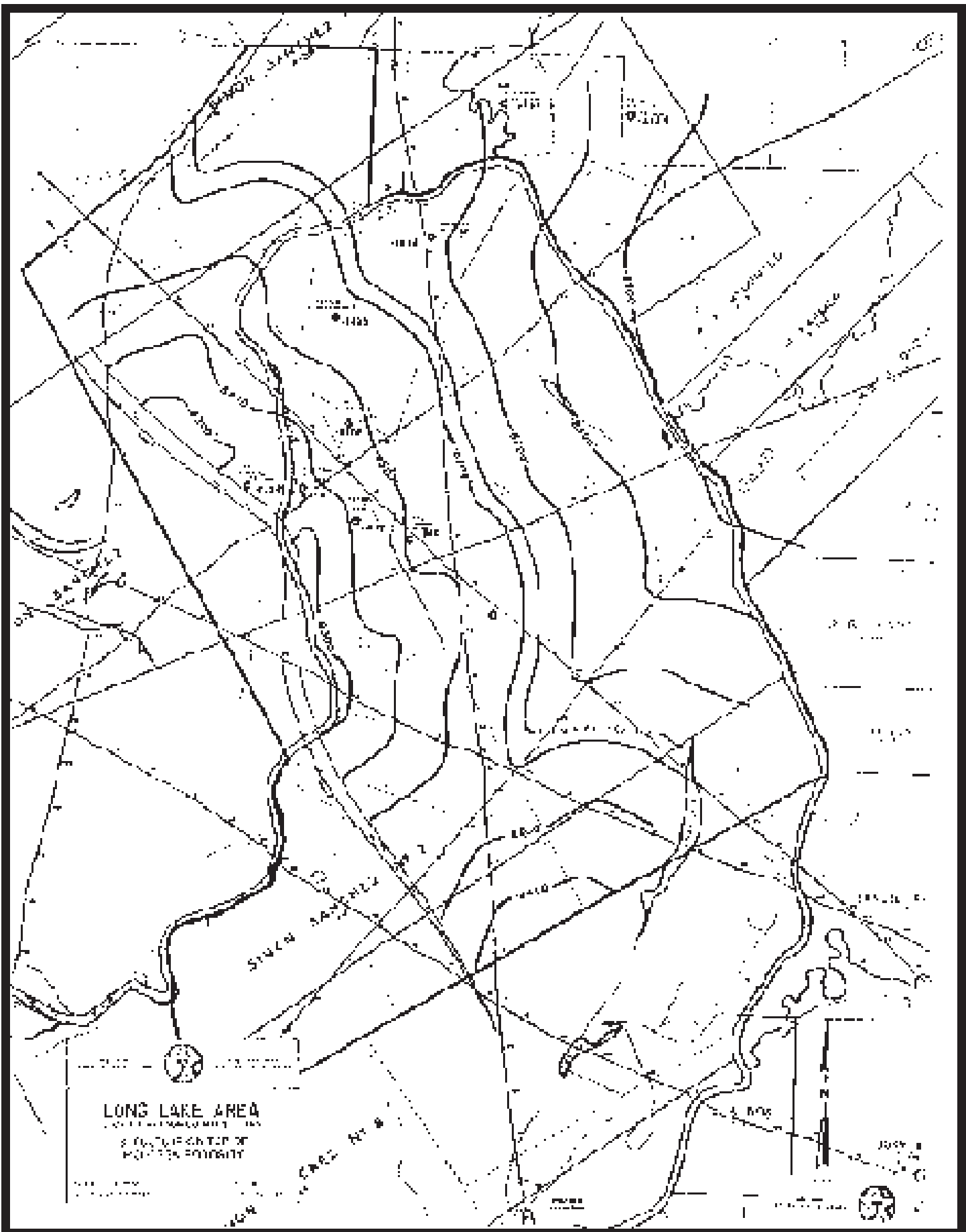
0	0000 PERH (AU)	0.500	EN (%)	0.25	PTLE (FI)	0.25	PHIE (FI)	0
0	VSH (SI)	500		25	GVN (SI)	0		
0				0	DCAL (INCH)	10		

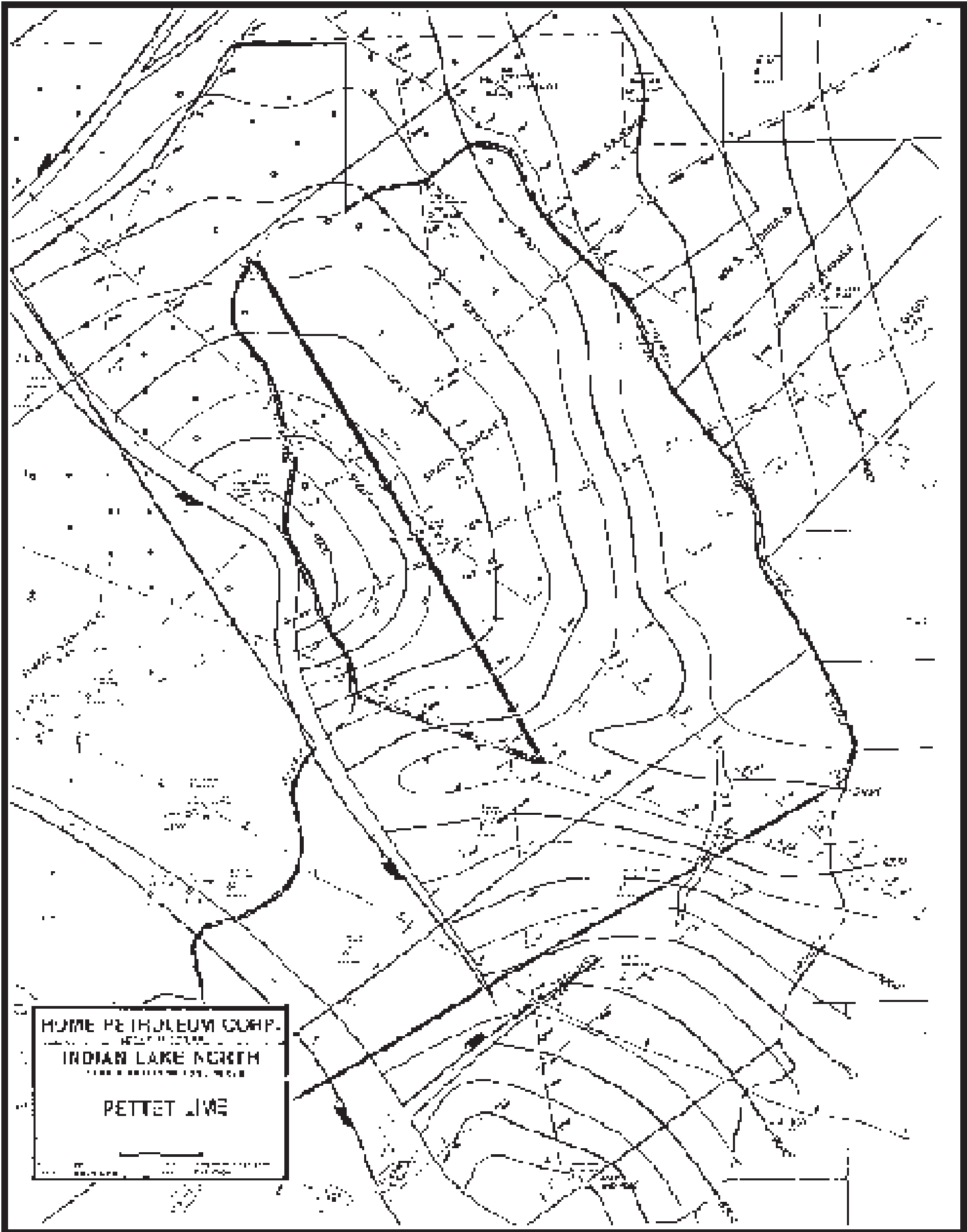
9300

9350

9400







HOME PETROLEUM CORP.
INDIAN LAKE NORTH
PETTET LINE

