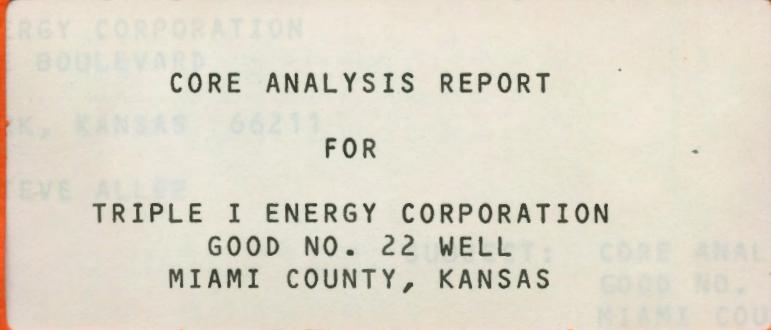


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AUGUST 31, 1983

TRIPLE I ENERGY CORPORATION
6600 COLLEGE BOULEVARD
SUITE 310
OVERLAND PARK, KANSAS 66211

ATTN: MR. STEVE ALLEE

SUBJECT: CORE ANALYSIS DATA
GOOD NO. 22 WELL
MIAMI COUNTY, KANSAS
CLI FILE NO. 3406-02471

GENTLEMEN:

DIAMOND CORES WERE TAKEN IN THE SUBJECT WELL AND LATER TRANS-
PORTED TO OUR CHANUTE LABORATORY FOR ANALYTICAL PURPOSE. THE
MEASURED DATA FOLLOWS ON THE ACCOMPANYING PAGES OF THIS REPORT.

THE ACCOMPANYING COREGRAPH PRESENTS THE SURFACE CORE GAMMA LOG
AND BINOMIALLY AVERAGED CORE ANALYSIS DATA IN GRAPHICAL FORM TO
AID CORRELATION WITH DOWNHOLE ELECTRICAL SURVEYS.

PRODUCTIVITY INDICATED FROM THE RESIDUAL FLUID SATURATION DATA
IN THE INTERVAL ANALYZED BETWEEN 452 AND 466 FEET WOULD LIKELY
BE OIL AFTER FORMATION TREATMENT.

ZONAL AVERAGES ALONG WITH ESTIMATES OF RECOVERABLE OIL
(WHERE APPLICABLE) ARE PRESENTED ON THE CORE SUMMARY PAGE OF
THIS REPORT.

SECONDARY RECOVERY FROM A PRUDENT WATER FLOOD PROGRAM MAY
APPROXIMATE PRIMARY RECOVERY BARRELS PER ACRE FOOT.

THANK YOU FOR THIS OPPORTUNITY TO SERVE YOU.

VERY TRULY YOURS

CORE LABORATORIES, INC.

J. Michael Edwards, REP
J. MICHAEL EDWARDS
DISTRICT MANAGER

4 CC - ADDRESSEE

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

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TRIPLE I ENERGY CORPORATION
 GOOD NO. 22 WELL
 LOUISBURG FIELD
 MIAMI COUNTY. KANSAS

DATE: 8/31/83
 FORMATION: WEISER
 DRLG. FLUID: AIR/SALT WATER MIST
 LOCATION: 2145'NSL 825'WEL; SE 1/4; SEC. 11-17S-24E

FILE NO: 3406-02471
 ENGINEER: PRITCHARD
 ELEVATION: 1027.0 FT.

SMP. NO.	DEPTH	PERM.		POROSITY PERCENT	FLUID SATS.		GR. DEN.	DESCRIPTION
		STB/ AC.FT.	TO AIR MD. PLUG		OIL	WTR.		

CONVENTIONAL PLUG ANALYSIS

451.0-52.0								SH,SL/SDY
1	452.0-53.0	946.0	0.5	22.0	31.0	42.3		SD,SLTY,SHY,PYR,CAL
2	453.0-54.0	670.0	0.8	19.3	26.8	53.6		SD,SLTY,SHY,PYR,CAL
3	454.0-55.0	1199.0	45.0	22.0	59.3	27.1		SD,SHY,PYR,CAL,MIC
4	455.0-56.0	929.0	25.0	20.7	39.9	39.9		SD,SHY,PYR,CAL,MIC
5	456.0-57.0	1481.0	50.0	24.6	64.2	19.2		SD,SHY,PYR,CAL,MIC
6	457.0-58.0	1080.0	97.0	21.4	49.1	32.4		SD,SHY,PYR,CAL,MIC
7	458.0-59.0	1274.0	34.0	22.2	59.6	23.2		SD,SHY,PYR,CAL,MIC
8	459.0-60.0	978.0	57.0	17.2	62.3	23.5		SD,SHY,PYR,CAL,MIC
9	460.0-61.0	709.0	0.8	13.2	56.3	28.2		SD,LMY SHY,PYR,MIC
10	461.0-62.0	1233.0	79.0	22.6	59.0	26.9		SD,SHY,PYR,CAL,MIC
11	462.0-63.0	1492.0	109.0	24.8	61.4	19.3		SD,SHY,PYR,CAL,MIC
12	463.0-64.0	1169.0	33.0	19.9	64.3	21.0		SD,GIL,SHY,PYR,CAL
13	464.0-65.0	1192.0	72.0	21.4	59.9	25.2		SD,GIL,SHY,PYR,CAL
14	465.0-66.0	1017.0	19.0	20.4	48.8	33.2		SD,GIL,SHY,PYR,CAL

Company TRIPLE I ENERGY CORPORATION
Well GOOD NO. 22

Page 3
CLI File 3406-02471

CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME	WEISER				
DEPTH INTERVAL	452 - 466				
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	14				
FEET OF CORE INCLUDED IN AVERAGES	14				
AVERAGE PERMEABILITY: MILLIDARCY'S	44				
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	616				
AVERAGE POROSITY: PER CENT	20.8				
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	53.0				
AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	29.6				
AVERAGE CONNATE WATER SATURATION: (e) PER CENT OF PORE SPACE	27.0				
OIL GRAVITY: °API					
ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL					
ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	1.04				
CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	1133				

Calculated maximum solution gas drive recovery is 136 barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. These recovery estimates represent theoretical maximum values for solution gas drive and do not take into account any prior production or drainage to other areas. The difference between the calculated stock-tank oil in place and the solution gas drive recovery estimates, which are barrels per acre-foot, represent that portion of the reservoir oil which is available for possible secondary recovery techniques. Estimates of additional recoverable oil by secondary or enhanced methods would necessitate a complete engineering study of the subject reservoir.

CORE LABORATORIES, INC.**Petroleum Reservoir Engineering**WELL TRIPLE I ENERGY CORPORATIONWELL NO. 22LOCATED LOUISBURGFORMATION WEISERFILE NO. 3406-02471DATE 8/31/83ELEV. 1027.0CITY MIAMISTATE KANSASDRLG. FLD. AIR/SALT WATER MIST

CORES

SECTION 2145°NSL 825°WEL; SE 1/4; SEC. 11-17S-24E

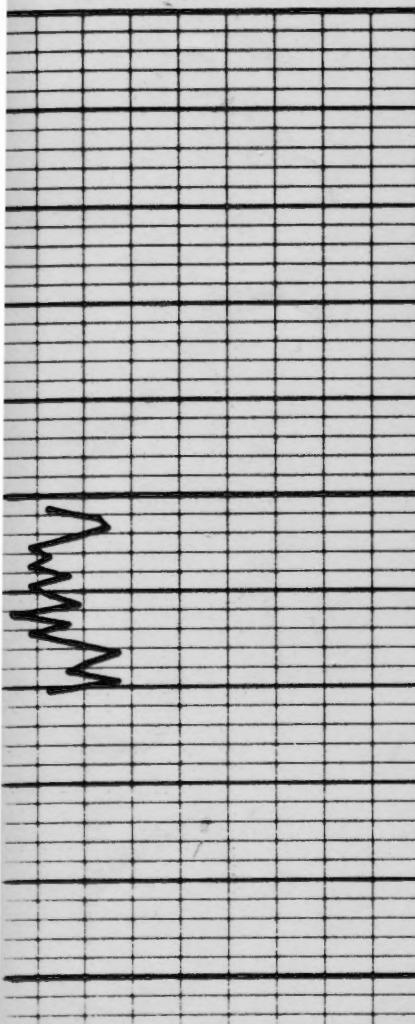
CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: $5^{\circ} = 100^{\circ}$ **Gamma Ray**
RADIATION INCREASE **Permeability**

MILLIDARCIES

1000 100 10 1

**Total Water**

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation

PERCENT PORE SPACE

100 80 60 40 20 0

Depth
Feet
400**Porosity**

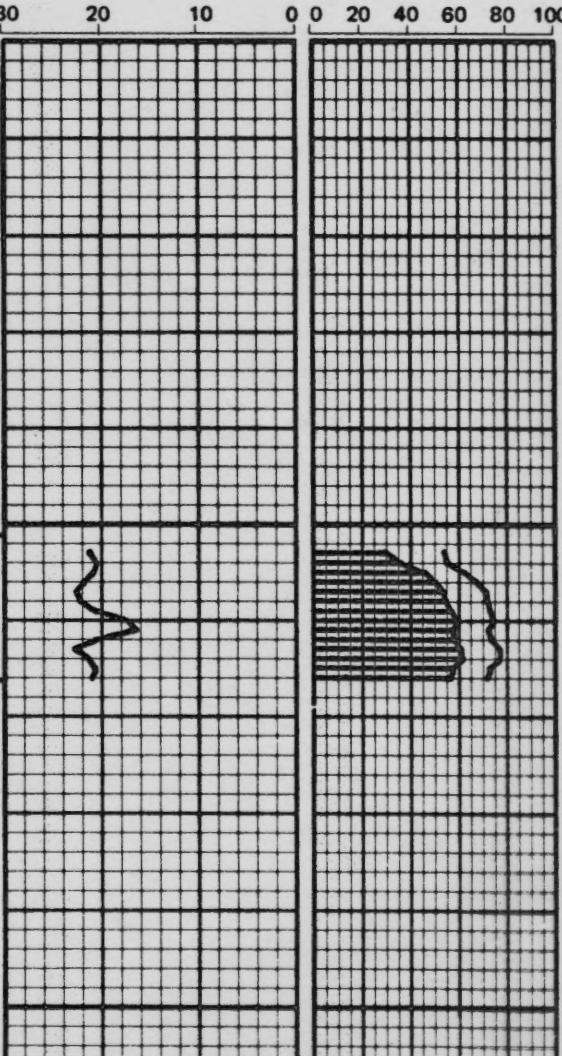
PERCENT

30 20 10 0

451

466

500



1000 100 10 1

