

FILE COPY

ENERGY CORPORATION  
SE BOULEVARD  
CORE ANALYSIS REPORT  
FOR  
KANSAS  
STEVE  
TRIPLE I ENERGY CORPORATION  
GOOD NO. 33-W WELL  
MIAMI COUNTY, KANSAS  
CORE AN  
GOOD NO  
MIAMI C



SEPTEMBER 12, 1983

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

ATTN: MR. STEVE ALLEE

SUBJECT: CORE ANALYSIS DATA  
GOOD NO. 33-W WELL  
MIAMI COUNTY, KANSAS  
CLI FILE NO. 3408-830095

GENTLEMEN:

DIAMOND CORES WERE TAKEN IN THE SUBJECT WELL AND LATER TRANSPORTED 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 448 AND 454 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.

WE APPRECIATE THIS OPPORTUNITY OF SERVING YOU.

VERY TRULY YOURS

CORE LABORATORIES, INC.

*J. Michael Edwards*  
J. MICHAEL EDWARDS  
DISTRICT MANAGER *IREP*

5 CC - ADDRESSEE

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

TRIPLE I ENERGY CORPORATION  
 GOOD NO. 33-W WELL  
 LOUISBURG FIELD  
 MIAMI COUNTY, KANSAS

DATE: 9/12/83  
 FORMATION: WEISER  
 DRLG. FLUID: AIR/SALT WATER MIST  
 LOCATION: 2310'NSL 990'WEL; SE 1/4; SEC. 11-17S-24E

FILE NO: 3408-83095  
 ENGINEER: PRITCHARD  
 ELEVATION: 1022.6 FT.

SMP. NO.	DEPTH	STB/ AC.FT.	PERM. TO AIR MD. PLUG	POROSITY PERCENT	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
CONVENTIONAL PLUG ANALYSIS							
	445.0-48.0						LM
1	448.0-49.0	1426.0	70.0	22.5	74.4 15.9		SD,SL/CAL,MIC
2	449.0-50.0	1011.0	34.0	20.5	55.3 34.6		SD,SL/CAL,MIC
3	450.0-51.0	1170.0	15.0	20.5	64.8 24.2		SD,CAL,MIC,SHY
4	451.0-52.0	686.0	0.3	17.6	40.1 48.1		SD,SLTY,CAL,SHY,MIC
5	452.0-53.0	425.0	0.2	15.3	26.8 63.1		SD,SLTY,CAL,SHY,MIC
6	453.0-54.0	440.0	1.7	17.4	22.1 66.3		SD,SLTY,CAL,SHY,MIC
	454.0-63.0						SH

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
CHANUTE, KANSAS

LITHOLOGICAL ABBREVIATIONS

sand - sd  
sandy - sdy  
shale - sh  
shaly - shy  
lime - lm  
limey - lmy  
fine - fn  
medium - md  
coarse - cs  
grain - gr  
slightly - sl/  
very - v/  
with - w/  
silty - slty  
vuggy - vgy  
brown - brn  
dark - dk

laminated - lam  
pyrite - pyr  
gilcinite - gil  
lignite - lig  
dolomite - dol  
chert - ch  
cementations - cmt  
calcareous - cal  
mica or micaceous - mic  
inclusions - incl  
pin point porosity - pp  
fossiliferous - foss  
conglomerate - cong  
clay - cl  
TBA - too broken to analyze

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 Oklahoma District

Company TRIPLE I ENERGY CORPORATION

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Well GOOD NO. 33-W

CLI File 3408-8 3095

**CORE SUMMARY AND CALCULATED RECOVERABLE OIL**

FORMATION NAME	WEISER				
DEPTH INTERVAL	448 - 454				
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	6				
FEET OF CORE INCLUDED IN AVERAGES	6				
AVERAGE PERMEABILITY: MILLIDARCYS	20				
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	120				
AVERAGE POROSITY: PER CENT	19.0				
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	47.3				
AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	42.0				
AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE (e)	40.0				
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	850				

Calculated maximum solution gas drive recovery is 102 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.

(c) calculated

(e) estimated

(m) measured

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*Petroleum Reservoir Engineering*

NY TRIPLE I ENERGY CORPORATION FILE NO. 3408-830095  
GOOD NO. 33-W DATE 9/12/83  
LOUISBURG FORMATION WEISER ELEV. 1022.6  
Y MIAMI STATE KANSAS DRG. FLD. AIR/SALT WATER CORES \_\_\_\_\_  
ION 2310'NSL 990'WEL; SE 1/4; SEC. 11-17S-24E

# CORRELATION COREGRAPH

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VERTICAL SCALE: 5" = 100'

*Best Scanned Copy*

Total Water \_\_\_\_\_

PERCENT PORE SPACE  
100 80 60 40 20 0

Oil Saturation

PERCENT PORE SPACE

Gamma Ray

RADIATION INCREASE →

Permeability \_\_\_\_\_

MILLIDARCIES

Porosity \_\_\_\_\_

PERCENT

1000 100 10 1

Depth Feet

30 20 10 0

0 0 20 40 60 80 100

