

ENERGY CORPORATION  
GE BOULEVARD  
ARK, KANSAS 66201 FOR  
STEVE TRIPLE I ENERGY CORPORATION  
GOOD NO. 23-W WELL  
MIAMI COUNTY, KANSAS



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. 23-W WELL  
MIAMI COUNTY, KANSAS  
CLI FILE NO. 3406-02513

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.

THE MEASURED PHYSICAL PROPERTIES ARE SUGGESTIVE OF WATER PRODUCTIVITY IN THE INTERVALS FROM 312 TO 319 FEET.

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

THANK YOU FOR THIS OPPORTUNITY TO SERVE YOU.

VERY TRULY YOURS

CORE LABORATORIES, INC.

*J. Michael Edwards*  
J. MICHAEL EDWARDS /REP  
DISTRICT MANAGER

5 CC - ADDRESSEE

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

TRIPLE I ENERGY CORPORATION  
 GOOD NO. 23-W WELL  
 LOUISBURG FIELD  
 MIAMI COUNTY, KANSAS

DATE: 9/12/83  
 FORMATION: PERU  
 DRLG. FLUID: WATER BASE MUD  
 LOCATION: 1980'NSL 1320'WEL; SE 1/4; SEC. 11-17S-24E

FILE NO: 3406-02513  
 ENGINEER: PRITCHARD  
 ELEVATION: 1001.2 FT.

SMP. NO.	DEPTH	PERM. TO AIR MD. PLUG	POROSITY PERCENT	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
CONVENTIONAL PLUG ANALYSIS						
1	312.0-13.0	19.0	16.9	32.1 33.5		SD,SLTY,LMY,MIC
2	313.0-14.0	1.1	20.1	24.3 63.2		SD,SLTY,SHY,PYR,CAL
3	314.0-15.0	2.3	16.2	13.2 70.5		SD,SLTY,SHY,PYR,CAL
4	315.0-16.0	1.3	19.3	24.3 59.6		SD,SLTY,SHY,PYR,CAL
5	316.0-17.0	1.2	18.4	13.7 75.8		SD,SLTY,SHY,PYR,CAL
6	317.0-18.0	0.3	16.0	13.5 67.4		SD,SLTY,SHY,PYR,CAL
7	318.0-18.9	0.4	16.0	13.5 67.4		SD,SLTY,SHY,PYR,CAL

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

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*Petroleum Reservoir Engineering*  
 Oklahoma District

Company TRIPLE I ENERGY CORPORATION

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Well GOO D NO . 23-W

CLI File 3406-02513

**CORE SUMMARY AND CALCULATED RECOVERABLE OIL**

FORMATION NAME	PERU				
DEPTH INTERVAL	312 - 319				
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	7				
FEET OF CORE INCLUDED IN AVERAGES	7				
AVERAGE PERMEABILITY: MILLIDARCYS	3.7				
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	26				
AVERAGE POROSITY: PER CENT	17.6				
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	19.2				
AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	62.5				
AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE					
OIL GRAVITY: °API					
ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL					
ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL					
CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT					

Calculated maximum solution gas drive recovery is \* 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.	3406-02513
	GOOD NO. 23-W	DATE	9/12/83
	LOUISBURG	FORMATION	PERU
Y	MIAMI	STATE	KANSAS
		DRLG. FLD.	WATER BASE MUD
ION	1980'NSL 1320'WEL; SE 1/4; SEC. 11-17S-24E		CORES

# CORRELATION COREGRAPH

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VERTICAL SCALE: 5" = 100'

*Best Scanned Copy*

