

RGY CORPORATION  
BOULEV CORE ANALYSIS REPORT

K, KANSAS 6621 FOR

EVE TRIPLE I ENERGY CORPORATION  
BURRIS A-~~2~~-W WELL 244  
MIAMI COUNTY, KANSAS



AUGUST 22, 1983

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

ATTN: MR. STEVE ALLEE

SUBJECT: CORE ANALYSIS DATA  
BURRIS A-24-W WELL  
MIAMI COUNTY, KANSAS  
CLI FILE NO. 3406-02438

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 468 AND 483 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 ARE PLEASED TO HAVE BEEN OF SERVICE AND TRUST THESE DATA WILL AID THE PRELIMINARY EVALUATION OF THIS WELL.

VERY TRULY YOURS

CORE LABORATORIES, INC.

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

5 CC - ADDRESSEE

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

TRIPLE I ENERGY CORPORATION  
 BURRIS A-24-W WELL  
 LOUISBURG FIELD  
 MIAMI COUNTY, KANSAS

DATE: 8/22/83  
 FORMATION: WEISER  
 DRLG. FLUID: AIR/SALT WATER MIST  
 LOCATION: 990'NSL 2310'EWL; SW 1/4; SEC. 12-17S-24E

FILE NO: 3406-02438  
 ENGINEER: PRITCHARD  
 ELEVATION:

SMP. NO.	DEPTH	STB/ AC.FT.	PERM. TO AIR MD. PLUG	POROSITY PERCENT	FLUID OIL	SATS. WTR.	GR. DEN.	DESCRIPTION
CONVENTIONAL PLUG ANALYSIS								
	467.0-68.0							SH,SDY
1	468.0-69.0	726.0	31.0	16.4	35.0	40.9		SD,SHY,SLTY,LMY,MIC
2	469.0-70.0	1218.0	40.0	22.4	32.1	27.1		SD,SHY,SLTY,LMY,MIC
3	470.0-71.0	823.0	54.0	14.9	49.0	26.1		SD,SHY,LMY,MIC
4	471.0-72.0	1265.0	89.0	21.1	49.1	19.7		SD,LMY,MIC
5	472.0-73.0	1350.0	42.0	23.5	50.1	23.1		SD,SLTY,LMY,MIC
6	473.0-74.0	1260.0	43.0	21.9	48.7	22.8		SD,SLTY,LMY,MIC
7	474.0-75.0	1294.0	60.0	22.6	50.4	23.2		SD,LMY,MIC
8	475.0-76.0	1405.0	34.0	23.5	53.6	20.1		SD,SHY,SLTY,LMY,MIC
9	476.0-77.0	1236.0	58.0	21.2	57.1	22.0		SD,SHY,LMY,MIC
10	477.0-77.9	1478.0	73.0	24.2	49.3	18.3		SD,SHY,LMY,MIC
	477.9-79.5							LM
11	479.5-80.0	1335.0	39.0	23.1	47.1	22.6		SD,LMY,SLTY,MIC
12	480.0-81.0	1399.0	25.0	23.6	48.1	20.7		SD,SHY,SLTY,MIC
13	481.0-82.0	1383.0	60.0	25.1	43.0	26.3		SD,GIL,SHY,LMY,MIC
14	482.0-82.9	1395.0	25.0	25.3	42.8	26.2		SD,GIL,SHY,LMY,MIC
	482.9-86.6							SHALE

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

Company TRIPLE I ENERGY CORPORATION

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Well BURRIS A-42-W

CLI File 3406-02438

**CORE SUMMARY AND CALCULATED RECOVERABLE OIL**

FORMATION NAME	WEISER				
DEPTH INTERVAL	468 - 483				
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	15				
FEET OF CORE INCLUDED IN AVERAGES	14				
AVERAGE PERMEABILITY: MILLIDARCYS	48				
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	672				
AVERAGE POROSITY: PER CENT	22.1				
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	46.8				
AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	24.2				
AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE (e)	22.0				
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	1286				

Calculated maximum solution gas drive recovery is 154 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

**CORE LABORATORIES, INC.**



*Petroleum Reservoir Engineering*

COMPANY TRIPLE I ENERGY CORPORATION FILE NO. 3406-02438  
WELL BURRIS A-24-W DATE 8/22/83  
FIELD LOUISBURG FIELD FORMATION WEISER ELEV. \_\_\_\_\_  
COUNTY MIAMI STATE KANSAS DRG. FLD. AIR/SALT WATER MIST CORES  
LOCATION 990°NSL 2310°EML; SW 1/4; SEC. 12-17S-24E

# CORRELATION COREGRAPH

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VERTICAL SCALE: 5" = 100'

**Gamma Ray**  
RADIATION INCREASE →

**Permeability**  
MILLIDARCIES

**Porosity**  
PERCENT

**Total Water**  
PERCENT PORE SPACE  
100 80 60 40 20 0

**Oil Saturation**  
PERCENT PORE SPACE  
0 20 40 60 80 100

