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AMOCO PRODUCTION COMPANY
RESEARCH CENTER

OFFICE DENVER DISTRICT SOUTHERN
AUTHORIZED BY SUSAN C. SOLOYANIS
TECHNICAL SERVICE NUMBER 819561

SOURCE ROCK SUMMARY
TABLE 1.
DATE 12/03/81

SAMPLE NUMBER	SMPL				FIELD NO. OR	PETROLEUM	KEROGEN	STAGE			
LAB NO.	TYPE	FORMATION	AGE	LITHOLOGY	DEPTH FEET TOP***BASE	GENERATION	TYPE (OIL/GAS)	OF DIAGENESIS	INSOL	TOTAL	
						CAPABILITY			RESID%	ORG C	WT%
STATE KANSAS COUNTY CLOUD					WELL LOCATION CNEE SEC.25-T7S-R4W						
WELL NAME COCKRELL					LEASE KOCHER #1						
S-644	CT	TARKIO	PENN	SH	1925	2019	NON SOURCE	NOT KNOWN	NOT KNOWN	34	.2
S-645	CT	TOPEKA	PENN	SH	2340	2380	NON SOURCE	NOT KNOWN	NOT KNOWN	44	.4*
S-646	CT	MARMATON	PENN	SH	2770	2810	NON SOURCE	NOT KNOWN	NOT KNOWN	46	.3
S-647	CT	MARMATON	PENN	SH	2850	2870	NON SOURCE	NOT KNOWN	NOT KNOWN	40	.2
S-649	CT	KINDERHOOK	MISS	SH	3270	3300	NON SOURCE	NOT KNOWN	NOT KNOWN	63	.3
S-650	CT	KINDERHOOK	MISS	SH	3300	3330	NON SOURCE	NOT KNOWN	NOT KNOWN	68	.4*
S-651	CT	MAQUOKETA	ORD	SH	3520	3540	NON SOURCE	NOT KNOWN	NOT KNOWN	66	.2
S-652	CT	SIMPSON	ORD	SH	3790	3820	NON SOURCE	NOT KNOWN	NOT KNOWN	47	.3

*Rounded up to this value.

DISCUSSION

The darkest color and most promising appearing Paleozoic age cuttings samples from this well were selected for analysis. Even so all the analyzed samples are petroleum nonsources because of low contents of organic matter. These low organic contents preclude kerogen type, thermal maturity, or bitumen analyses.

Robert J. Harwood

R. J. Harwood