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July 27, 1983

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Mr. Lynn Watney
Chief, Subsurface Geology
Kansas Geological Survey
Lawrence, Kansas

Dear Lynn:

Mack Colt, of Iola, Kansas, has advised me that you would like to know what formations are producing oil in various cores from five wells in Allen and Anderson counties. They are as follows:

S. Vezie 106A - Squirrel	Prue of Okla.
Donovan 6A ---- Colony	Red Fork of Okla.
Marshall 52 AO Colony	Red Fork of Okla.
Lowe 20 AO ---- Burbank	Burbank of Okla.
Lowe 50A ----- Burbank	Burbank of Okla.

Although detailed "ties" have not been made with Louis Lukert's stratigraphic profile, published many years ago by the AAPG, these Oklahoma equivalents are very close. The Kansas and Oklahoma Bartlesville (below the Burbank) are the same.

If I can be of any help in identifying pay sandstones from any other M. C. Colt pools please feel free to let me know.

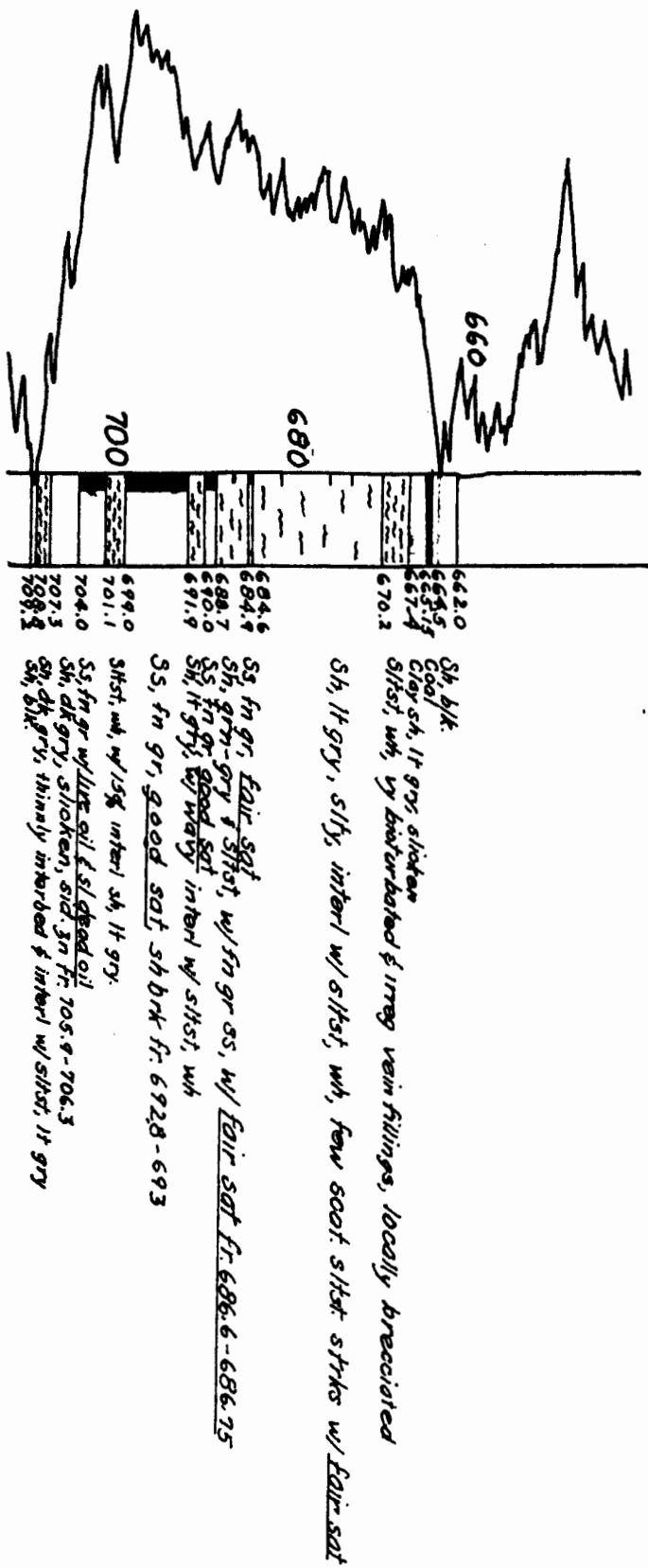
Sincerely yours,



Daniel A. Busch

Cc: Mr. Mack C. Colt
P. O. Box 388
Iola, Kansas 66749

M.C. COLT 6A DONOVAN
NW/4 SW/4 2, 24S-21E
ELEV. 1039.9'



DONOVAN 6A

662-664.5 sh, blk

665.15 Coal

667.4 Clay-sh, lt gry, slicken

670.2 siltst, wh, v. bioturbated & irreg vein fillings, locally brecciated

684.6 sh, lt gry silty, intert w/ siltst, wh, few scat siltst strks w/ fair sat

684.9 ss, fn gr, fair sat

688.7 sh gr-gry, & siltst, w/ fine gr ss, w/ fair sat fr. 686.6-686.75

^{1.3' ad} 690 ss fn gr, good sat

^{1.9' sub} 691.9 sh lt gry in wavy intert w/ siltst, wh,

^{7.1' ad} 699 ss, fn gr, good sat; sh brk fr. 692.8-693

^{2.1' dry shell} 701.1 siltst, wh w/ 15% intert sh, lt gry

^{2.1' ad} 704.0 ss fn gr w/ live oil & sl. dead oil

707.3 sh dk gry, slicken, sid 3" fr. 705.9'-706.9'

708.8 sh " " thinly interb & intert w/ siltst, lt gry

709.2 sh. blk

①

FILING NO.		COMPANY MACK C. COLT INC.					
WELL DONOVAN 6A		FIELD M.T. AREA					
COUNTRY BOURBON COUNTY, KANSAS		OTHER SERVICES:					
LOCATION: 600' FROM THE SOUTH LINE 725' FROM THE WEST LINE 1/4 SW 1/4 SEC. 2 T-24-S R-21-E		SE NW SW					
PERMANENT DATUM: LOG MEASURED FROM G.L. ELEV. 1039.9'		ELEV. K.B. D.F. G.L.					
DRILLING MEASURED FROM G.L.		FT. ABOVE PERM. DATUM					
DATE 10/5/82	RUN NO. ONE						
TYPE LOG GAMMA	DEPTH - DRILLER						
DEPTH - LOGGER	BOTTOM LOGGED INTERVAL R.D. 713'						
TOP LOGGED INTERVAL 50'	TYPE FLUID IN HOLE						
SALINITY PPM CL.	DENSITY						
LEVEL	MAX. REC. TEMP., DEG. F.						
OPERATING RIG TIME	RECORDED BY BRUNER						
WITNESSED BY							
BORE-HOLE RECORD		CASING RECORD					
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO

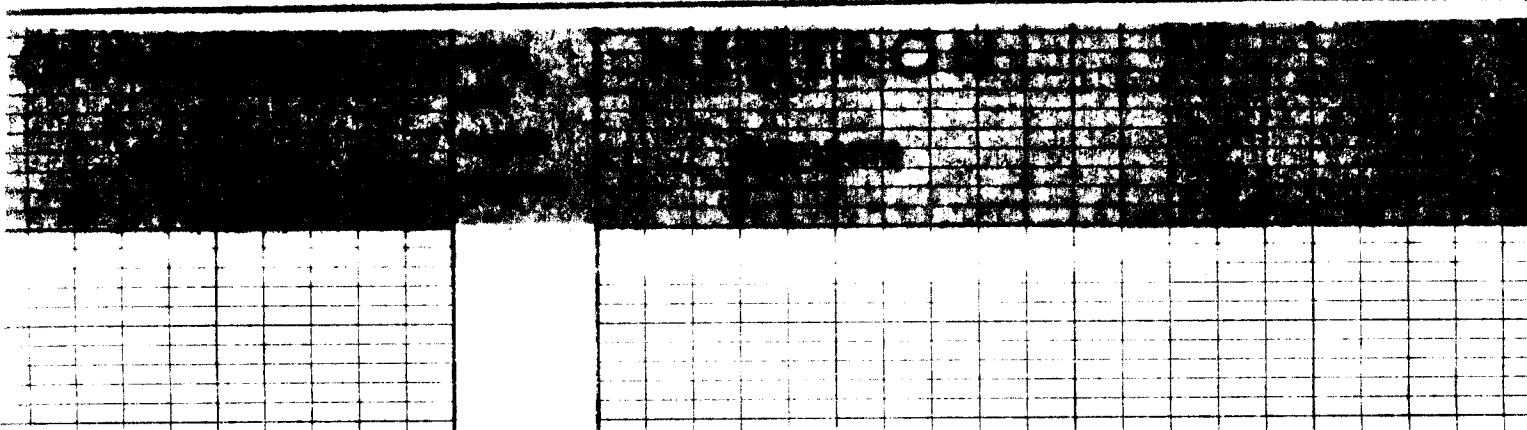
OLD HERE THIS HEADING AND LOG CONFORMS TO API RP 33

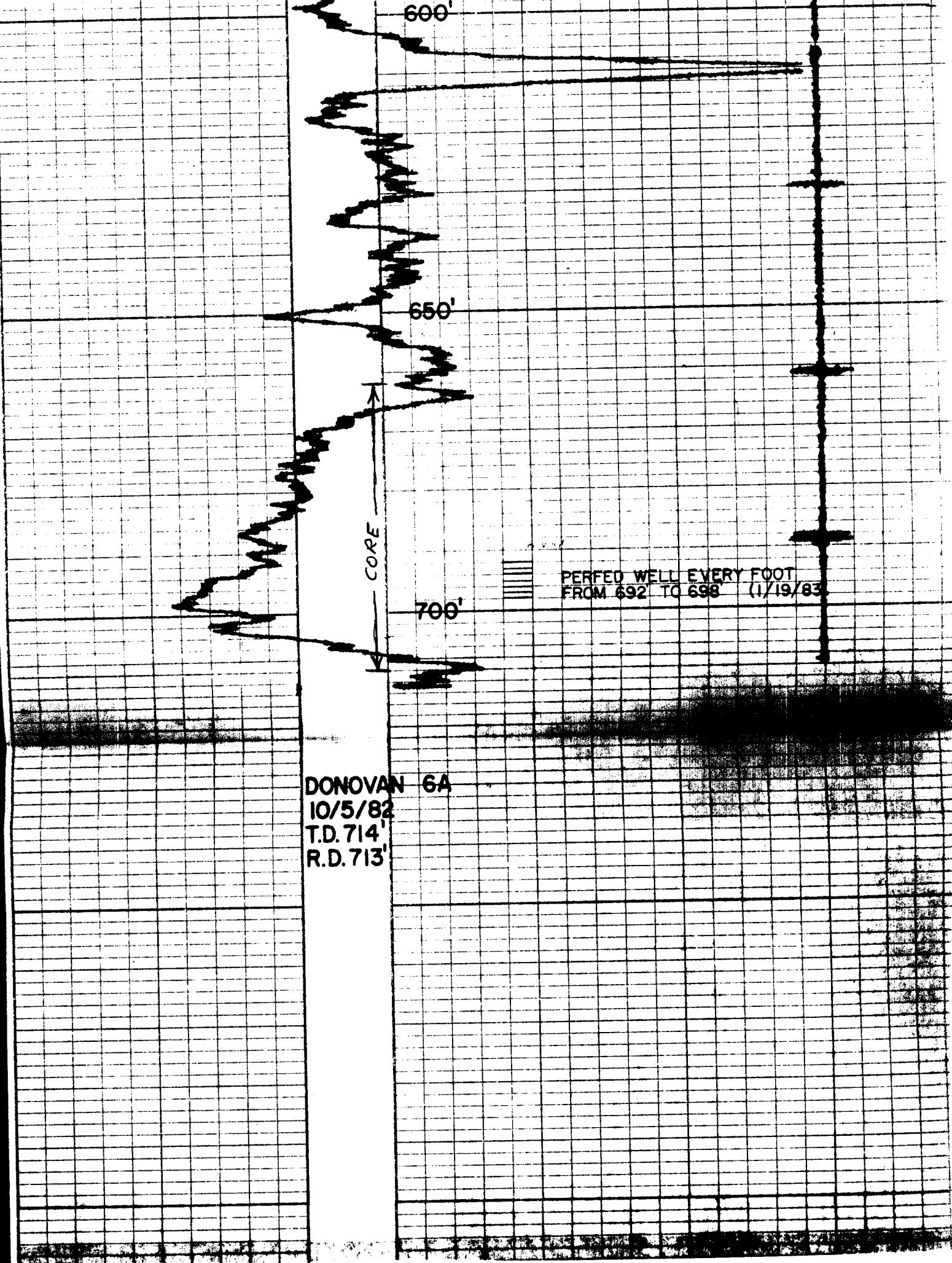
EQUIPMENT DATA			
GAMMA RAY		NEUTRON	
RUN NO.	ONE	RUN NO.	
LOG MODEL NO.		LOG TYPE	
DIAMETER	1 11/16"	TOOL MODEL NO.	
DETECTOR MODEL NO.		DIAMETER	
TYPE		DETECTOR MODEL NO.	
LENGTH		TYPE	
DISTANCE TO N. SOURCE		LENGTH	
		SOURCE MODEL NO.	
GENERAL		SERIAL NO.	
CIST TRUCK NO.		SPACING	
INSTRUMENT TRUCK NO.	216A	TYPE	
LOG SERIAL NO.		STRENGTH	

LOGGING DATA											
GENERAL			GAMMA RAY				NEUTRON				
IN O.	DEPTHS		SPEED FT./MIN.	T.C. SEC.	SENS.	★ JGRD	★ ★ ★ ★ ★	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API M. UNITS PER LOG D.
	FROM	TO			SETTINGS	★ ★ ★ ★ ★	★ ★ ★ ★ ★				
	50'	713'	20	5	CPS	ROP	DISC				
					100	5.90	3				

REFERENCE LITERATURE: LOGGED THRU 2 3/8" TUBING

MARKS





M.C. COLT 6A DONOVAN
NW/4 SW/4 2, 24S-21E
ELEV. 1039.9'