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MIDWEST SURVEYS Council
Wireline Services
P.O. Box 1
Fredonia, Kansas 66736

FILMED FOR	
COMPANY	D. E. Exploration, Inc.
WELL	AD - 8
FIELD	Belton Unit
COUNTY	Cass
STATE	Missouri
OTHER SERVICES	CCL Perforate

Permit No. 20665

LOCATION: SE 1/4 660 FSL - 660 FEL Sec. 9 Twp. 46n Rge. 33w

PERMANENT DATUM: Gr.Lev. | ELEV.: N/A
LOG MEASURED FROM: Gr.Lev. | 1' ABOVE PERM. DATUM
DRILLING MEASURED FROM: Gr.Lev. | ELEV.: K.B. N/A D.F. N/A G.L. N/A

BORE HOLE RECORD			CASING RECORD		
RUN NO.	#1		SIZE	8 5/8"	
PRIM. DEPTH-DRILLER	TD		WGT.	24#	
DEPTH-LOGGER			GRADE	J-55	
BTM. LOG INTERVAL			THD.	8 RD	
TOP LOGGED INTERVAL					
TYPE FLUID IN HOLE					
DENSITY					
LEVEL					
MAX. REC. TEMP. DEG.F					
ESTIMATED CEMENT TOP					
TIME SINCE CIRC.					
TIME LOGGER ON BOTTOM					
UNIT NUMBER					
WITNESSED BY	Doug Kruse		Doug Kruse		

RUN NO.	#1		
DATE	7/21/1999	7/21/1999	
TYPE LOG	Gamma Ray	Neutron	
DEPTH-DRILLER	N/A	621.0	
DEPTH-LOGGER	622.0	621.0	
BTM. LOG INTERVAL	622.0	621.0	
TOP LOGGED INTERVAL	N/A	0.0	
TYPE FLUID IN HOLE	Air	Air	
DENSITY	N/A	N/A	
LEVEL	Full	Full	
MAX. REC. TEMP. DEG.F	N/A	N/A	
ESTIMATED CEMENT TOP	N/A	N/A	
TIME SINCE CIRC.	N/A	N/A	
TIME LOGGER ON BOTTOM	5:45pm	6:45pm	
UNIT NUMBER	5c Minilog	5c Minilog	
WITNESSED BY	Doug Kruse	Doug Kruse	

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	1.00	RUN NO.	1.00
TOOL MODEL NO.	102	LOG TYPE	NDS/NSS
DIAMETER	1 11/16"	TOOL MODEL NO.	102
DETECTOR MODEL NO.	E-1053	DIAMETER	1 11/16"
TYPE	SCINT.	DETECTOR MODEL NO.	E-1051
LENGTH	1" X 4"	TYPE	He-3
DISTANCE TO N. SOURCE	8.0	LENGTH	1" X 8"
GENERAL		SOURCE MODEL NO.	71-1
HOIST TRUCK NO.	NA	SERIAL NO.	71-1-3558
INSTRUMENT TRUCK NO.	110	SPACING	13"
TOOL SERIAL NO.	10-0001	TYPE	AC-241RE
		STRENGTH	3 CI

LOGGING DATA

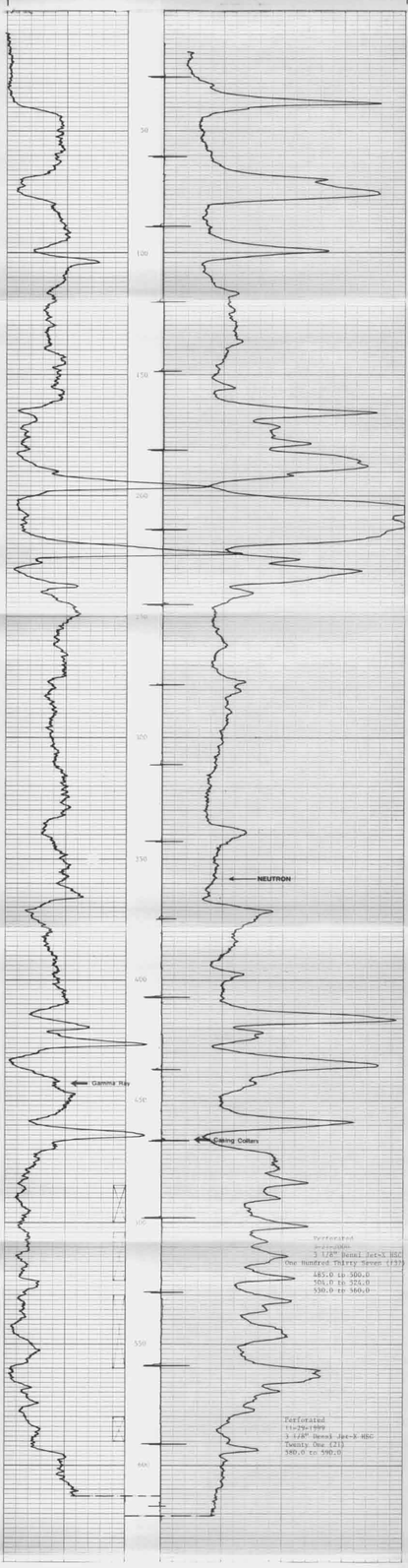
GENERAL					GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	ZERO DIV.	API-GR UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV.	API-N UNITS PER LOG DIV.
1	10.0	621.0	20	4.0	1.85/100	05	10	4.0	14.35/100	05	20

REFERENCE LITERATURE: 4 1/2" Cemented

REMARKS: B.C. Hughes Drilling Company

NEUTRON

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	D. E. Exploration, Inc.	GAMMA RAY T.D.	622.0
WELL	AD - 8	GAMMA RAY R.D.	613.0
LEASE	Belton Unit	NEUTRON T.D.	622.0
COUNTY	Cass, Missouri	NEUTRON R.D.	621.0
DATE	7/21/1999	CASING SET @	4 1/2" T.D.