6095970 RELEASED
contacted w/ KH 1-14-91 SMW

MIDWEST SURVEYS
LICENSED WIRELINE LOGGING SERVICES
P.O. Box 1179 Ph. (Area 307)
Pinedale, Wyoming 82941 970-367-2818

RUNS NO.

COMPANY WESTERN ENGINEERING INC.
WELL NO. AD-3
FIELD BELTON UNIT KNOCHE FIELD
COUNTY CASS STATE MISSOURI
LOCATION: SEC. 9 TWP. 48N RGE. 33W
PERMANENT DATUM G.L.
LOG MEASURED FROM G.L.
DRILLING MEASURED FROM G.L.
ELEV. K.B. NA
D.F. NA
G.L. NA
FT. ABOVE PERM. DATUM
OTHER SERVICES CCL

RUN NO.	1	1-11-90
TYPE LOG	GAMMA RAY	NEUTRON
DATE	1-11-90	1-11-90
DEPTH-DRILLER	637.0	NA
BOTTOM LOGGED INTERVAL	630.5	637.0
TOP LOGGED INTERVAL	0.0	100.0
CASING-DRILLER	499.0	499.0
CASING-LOGGER	499.0	105.5
BIT SIZE	6 1/2"	NA
TYPE FLUID IN HOLE	NA	NA
DENSITY	NA	NA
LEVEL	FULL	NA
MAX. REC. TEMP. DEG. F	NA	NA
OPERATING R.G. LIMIT	NA	NA
WITNESSED BY	S. WEBSTER	S. WEBSTER
	D. STALLINGS	D. STALLINGS

BORE-HOLE RECORD

RUN NO.	BIT SIZE	FROM	TO
	6 1/2"	0.0	499.0
	0.D.	I.D.	

CASING RECORD

SIZE	WGT.	FROM	TO
8 5/8"	24#	0.0	499.0

FOLD HERE. THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	1 SW	RUN NO.	1 NW
TOOL MODEL NO.	705 G	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO.	705 G
DETECTOR MODEL NO.	705 G	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO.	705 HE3
LENGTH	1 3/8" x 8"	TYPE	HE-3
DISTANCE TO N. SOURCE	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO.	71-1
		SERIAL NO.	71-1-354B
		SPACING	13"
		TYPE	Am241Be
		STRENGTH	3 CI

GENERAL	
HOIST TRUCK NO.	NA
INSTRUMENT TRUCK NO.	102
TOOL SERIAL NO.	MS-0004

LOGGING DATA

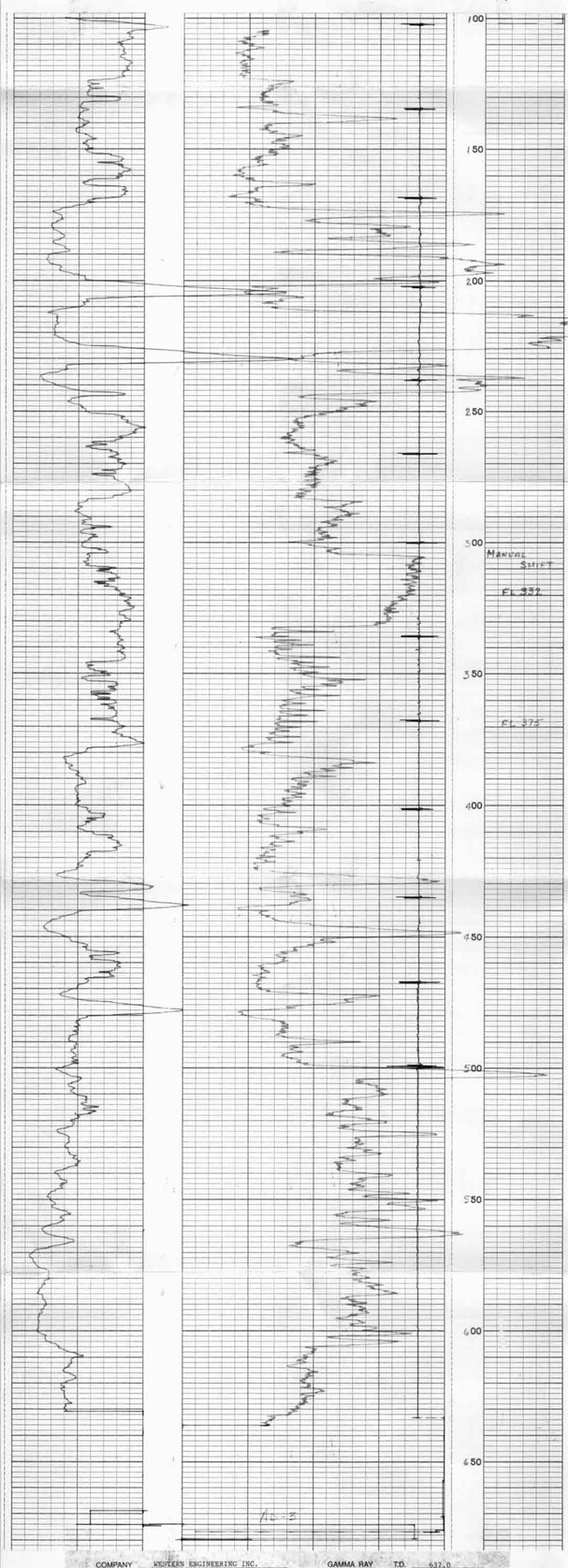
GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT./MIN.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	100.0	638.0	25	4.0	0.38/100	2L	20	1.5	4.10/500	3L	20

REFERENCE LITERATURE: 4 1/2" OPEN HOLE

REMARKS: D.C. CASSIDY DRILLING

NGS3 10/85

GAMMA RAY DEPTH NEUTRON
CASING
COLLARS



COMPANY	WESTERN ENGINEERING INC.	GAMMA RAY T.D.	637.0
WELL	NO. AD-3	GAMMA RAY R.D.	630.5
LEASE	BELTON UNIT KNOCHE FIELD	NEUTRON T.D.	637.0
COUNTY	CASS, MISSOURI	NEUTRON R.D.	636.0
DATE	JANUARY 11, 1990	CASING SET @	499.0