CONFIDENTIAL

OGC # 20,315

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NORTHWEST SURVEYS
P.O. BOX 1214
BILLINGS, MONTANA 59103
PH. 1-406-252-5010

DIFFERENTIAL TEMPERATURE LOGGING

COMPANY: KROGER EXPLORATION CO.

WELL: MO. 50 SE

FIELD: WILDCAT

COUNTY: HOLT

STATE: MISSOURI

LOCATION: 2310'FNL 3235'FEL

Other Services: CCL

Permanent Datum: G.L.

Elev.: K.B. N/A

D.F. N/A

G.L. 1100

Log Measured from: G.L.

Drilling Measured from: G.L.

Run No.	1
Date	8-18-87
Depth Driller	1100
Depth Logger	N/A
Bottom Logged Interval	1100
Top Log Interval	0
Casing Driller	8 5/8 @ 1100
Casing Logger	N/A
Bit Size	7 7/8
Type Fluid in Hole	WATER
Dens. / Visc.	N/A
pH / Fluid Loss	N/A
Source of Sample	N/A
Rm @ Meas. Temp.	N/A
Rmf @ Meas. Temp.	N/A
Rmc @ Meas. Temp.	N/A
Source: Rmf / Rmc	N/A
Rm @ BHT	N/A
Time Since Circ.	N/A
Max. Rec. Temp.	98°F
Equip. Location	N/A
Recorded By	R. WESTERN
Witnessed By	N/A

BOREHOLE RECORD			
No.	Bit	From	To
1	7 7/8	0	1100

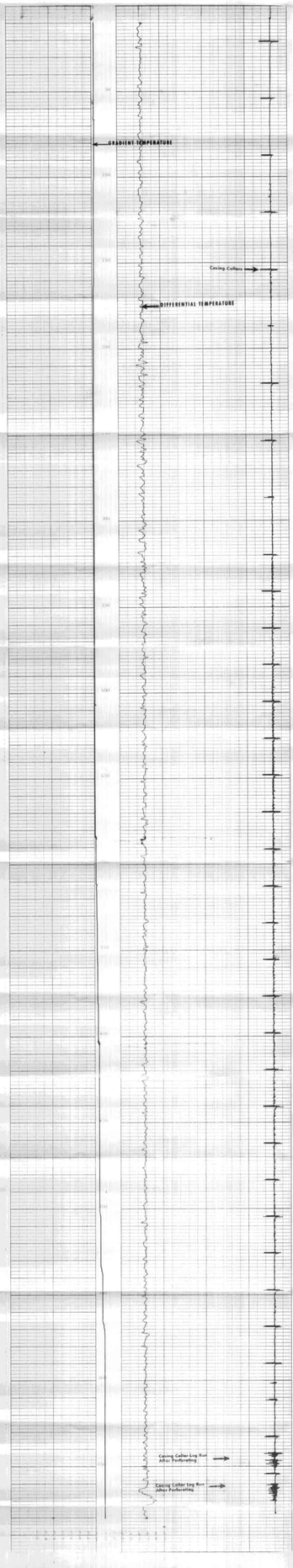
CASING RECORD			
No.	Size	Wgt.	From	To
1	8 5/8	24	0	1100

RECEIVED
JUN 1 1987
MO. OIL & GAS Council
Oil & Gas Comp.

TEST DATA									EQUIPMENT DATA
Run No.			2	3	4	5	6		Truck No. 102 Panel No. 1021-M
Depth	From	10.0							Tool No. 1021-T Tool Size 1.9/16
	To	800.0							Spacing Between Elements ZERO
Diff. Log	Sens.	4.0							
	Scale	N/A							Other Equip. Data
Temp. Log	P / Inch	10.0 F/IN							
	Max. Temp.	58F							Reference Libraries
	GRAD	NA							
Production	From	NA							
	To Size	NA							Remarks
	Ins. Prod.	NA							STATE OF MISSOURI
	BOPD	NA							WITN.
	MCFD	NA							
	GOR	NA							
Pressure	Csg.	NA							
	Tbg.	NA							
	Brdn. Hd.	NA							
Injection	Rate / Csg.	NA							
	Tbg. or Csg.	NA							
	Type	NA							

TEMPERATURE

DECREASE ← → INCREASE



COMPANY	KROGER EXPLORING CO.	T.D.	880.0
WELL	MO. 50 SE	R.D.	880.0
LEASE	MARKTWELL FARM		
COUNTY	HOLTON, MISSOURI		
DATE	JUN. 4, 1987		