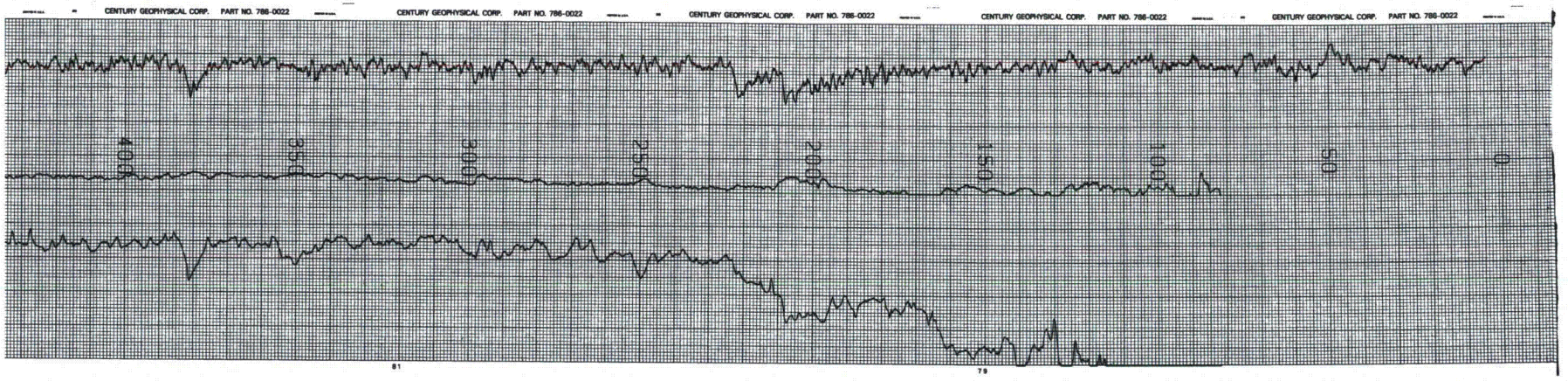
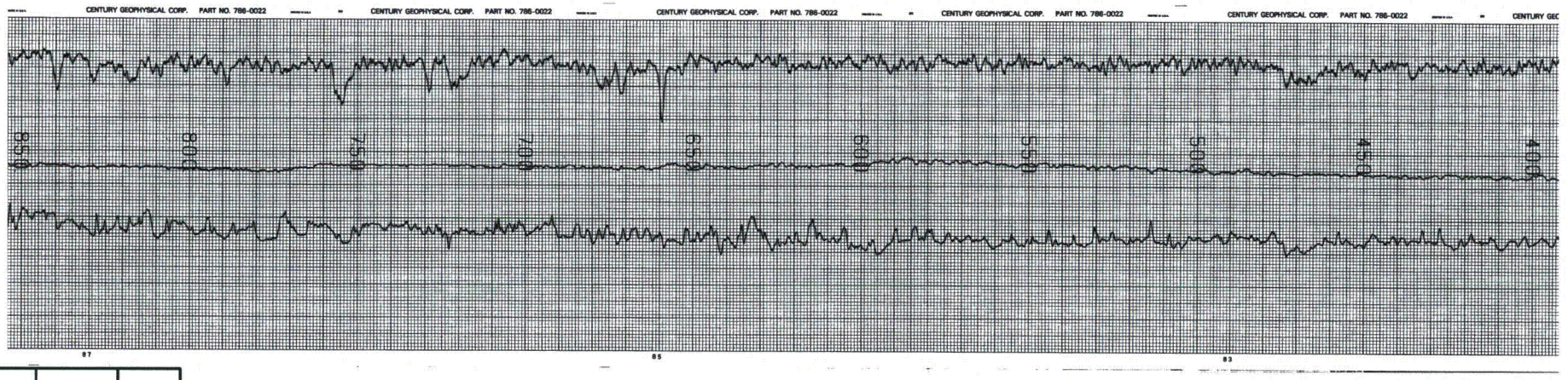
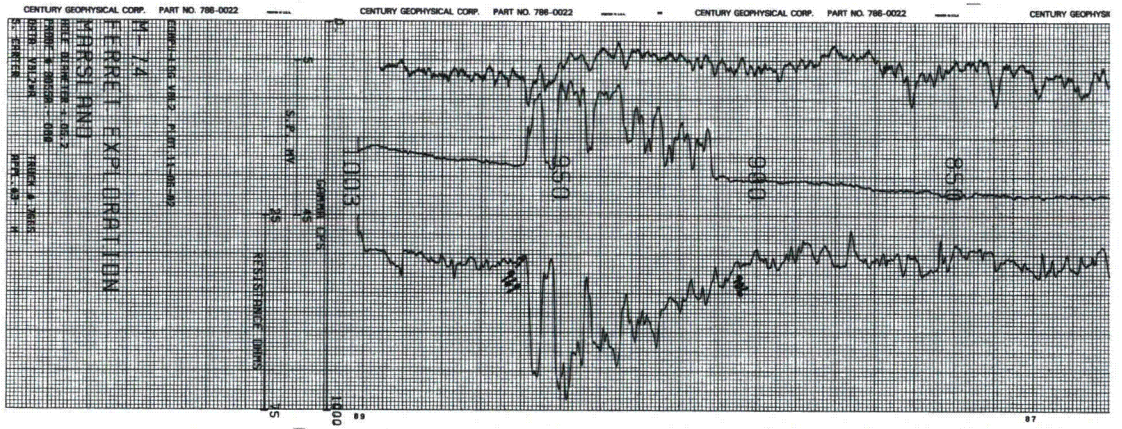


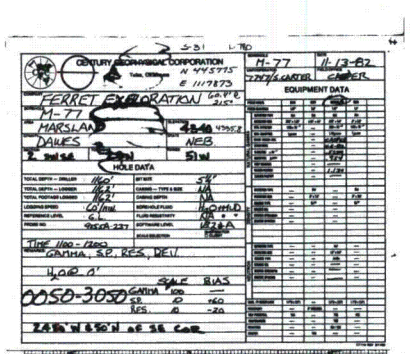


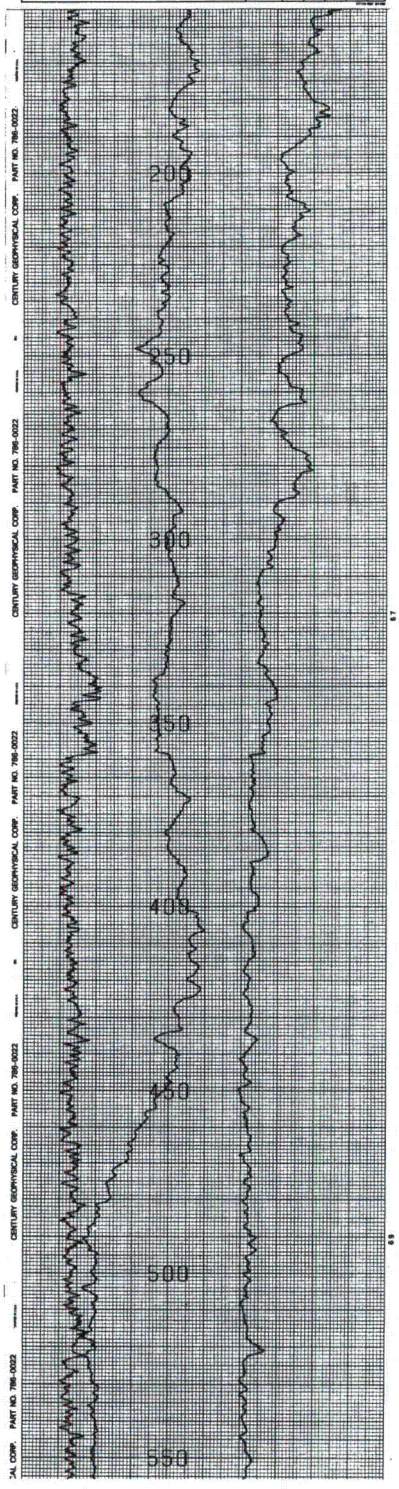


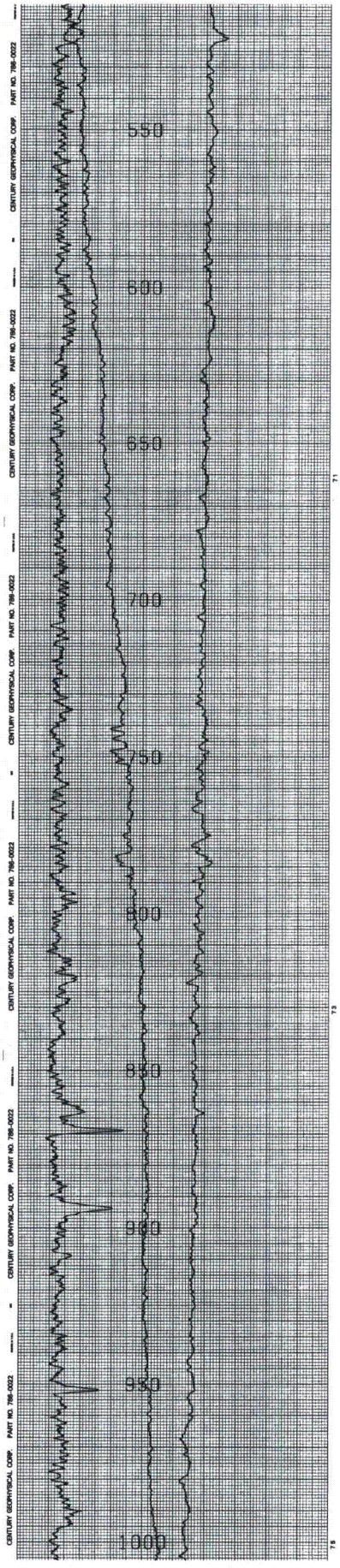
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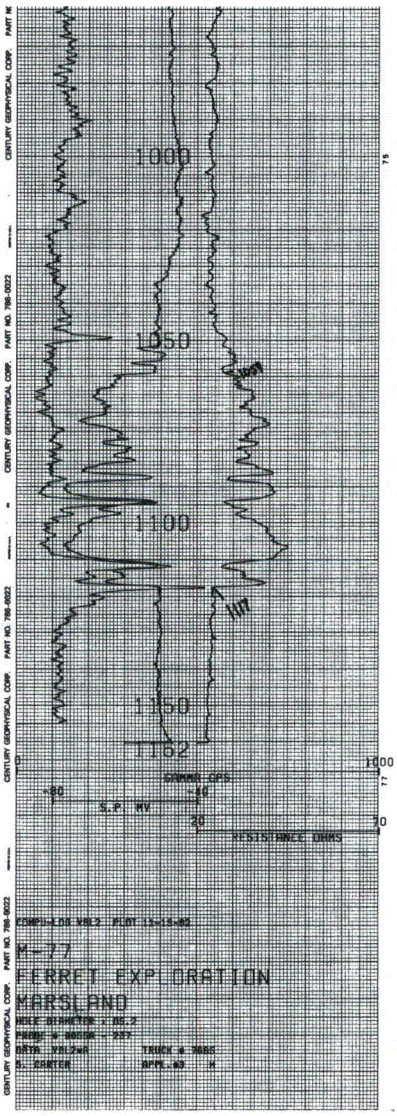
LOG M-74

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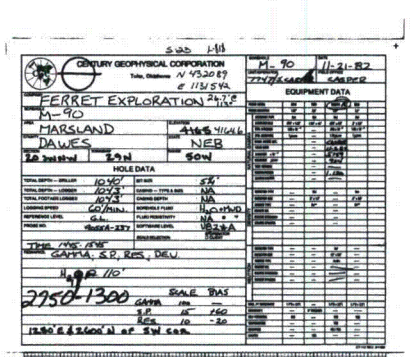


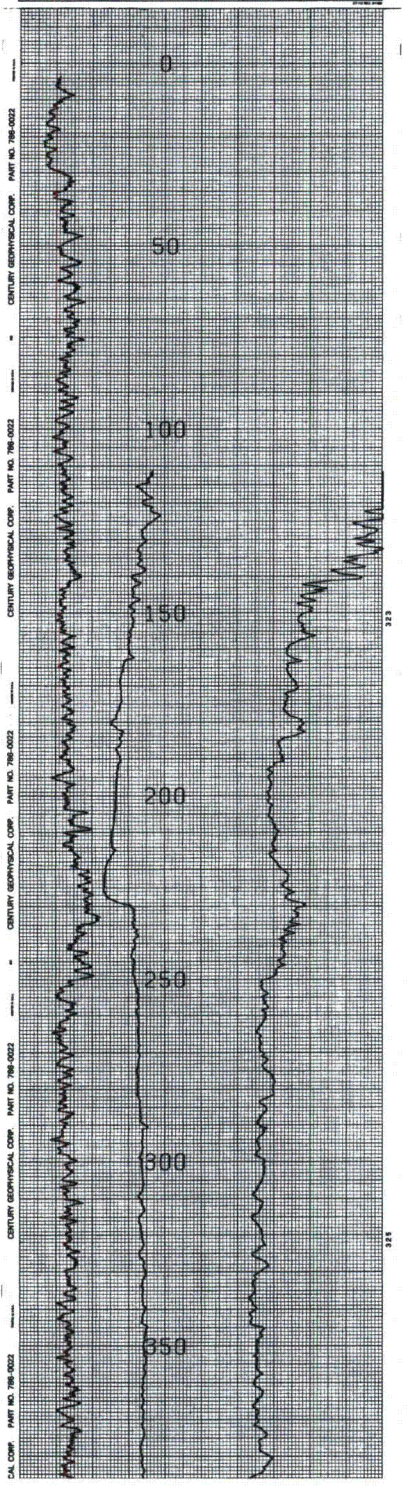
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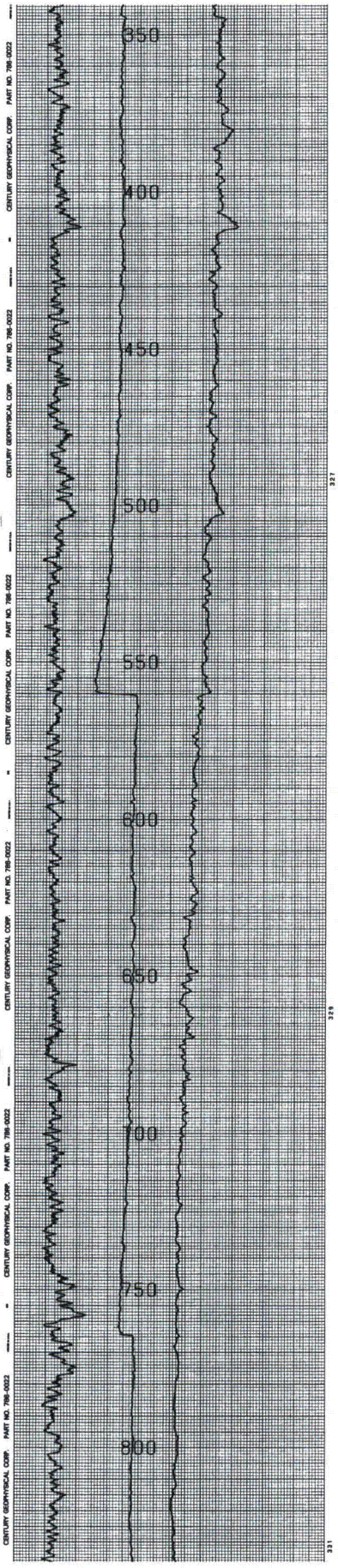
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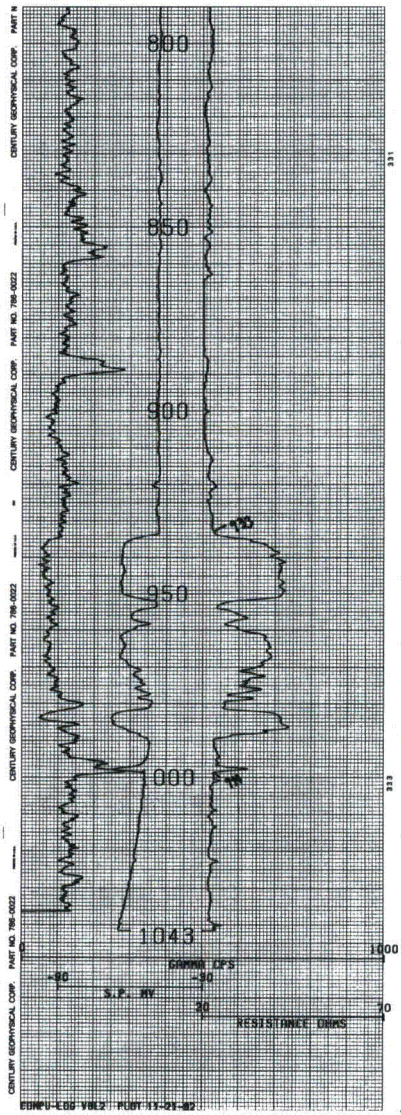
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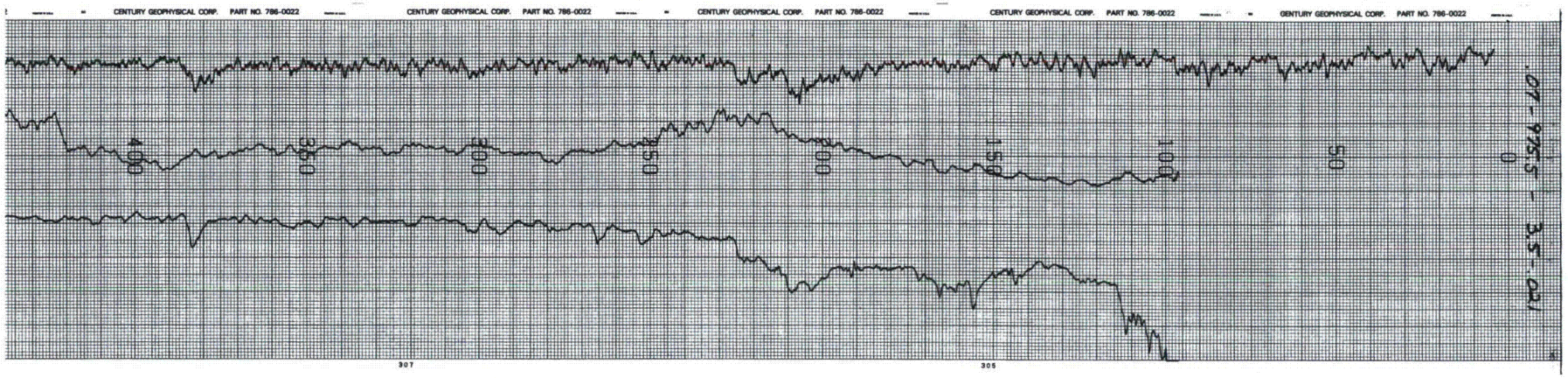


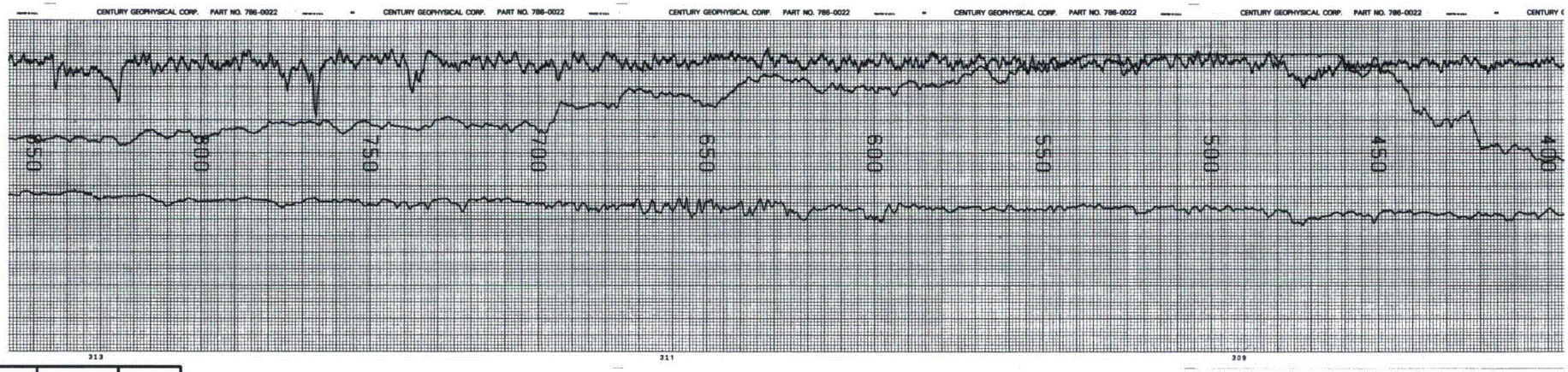
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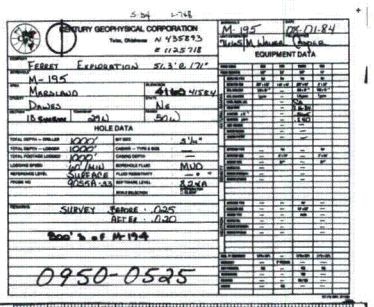


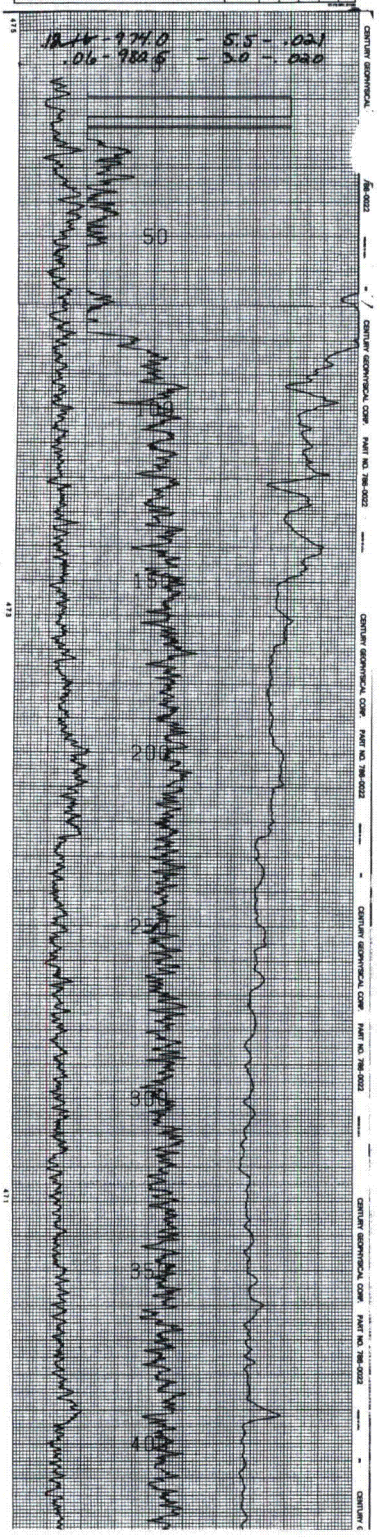


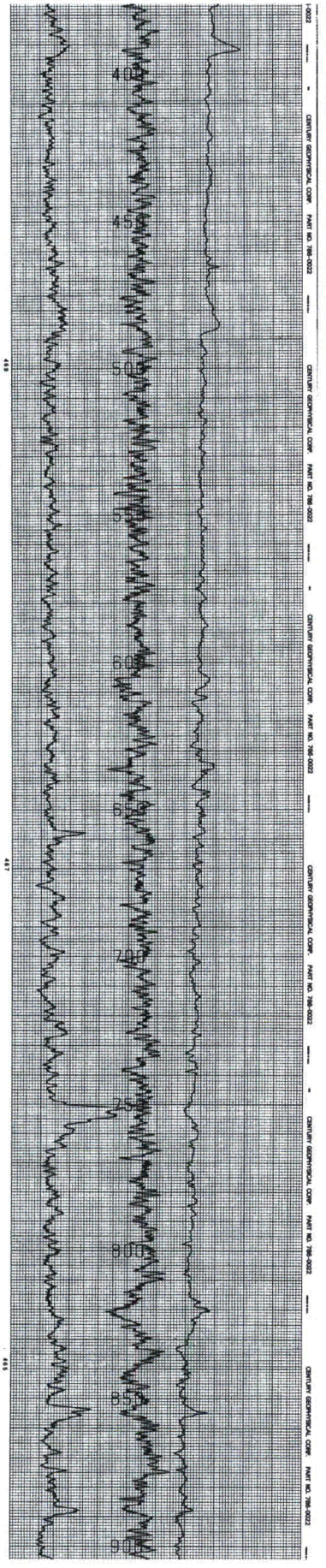
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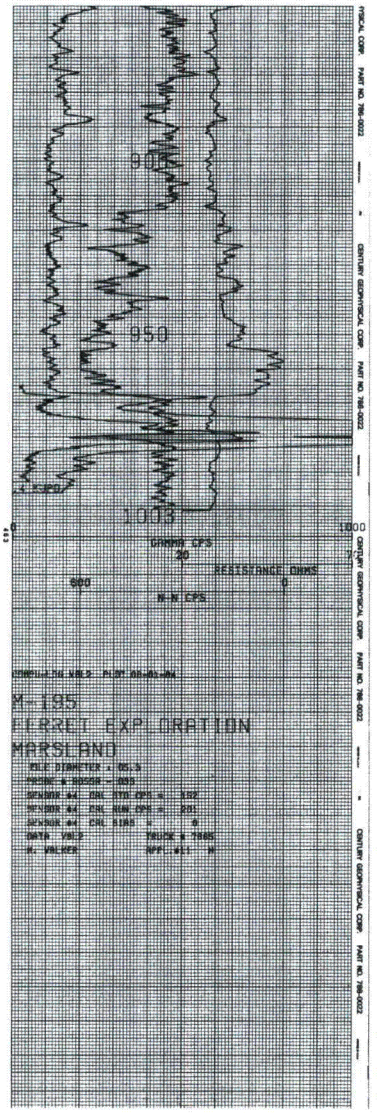
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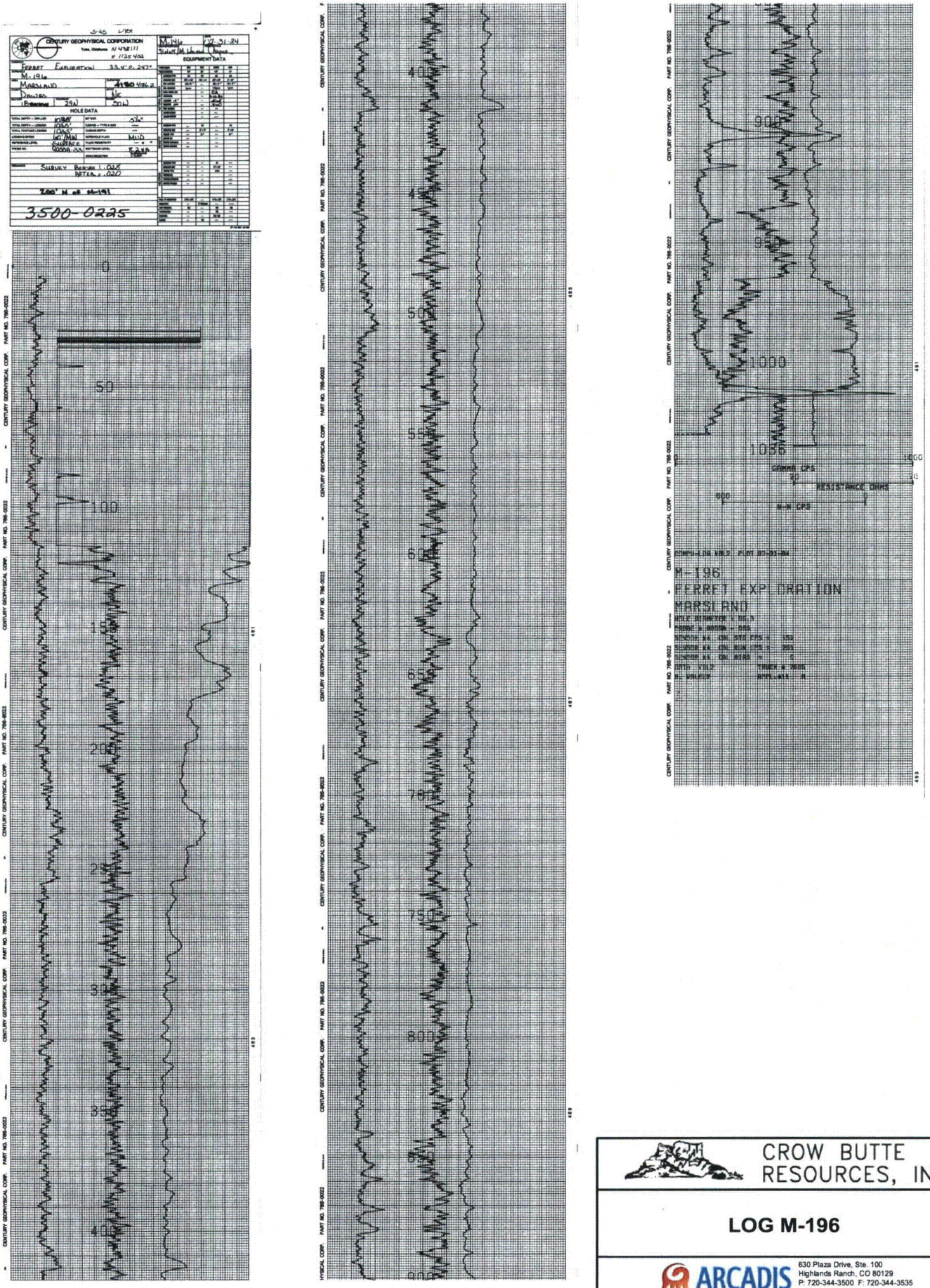


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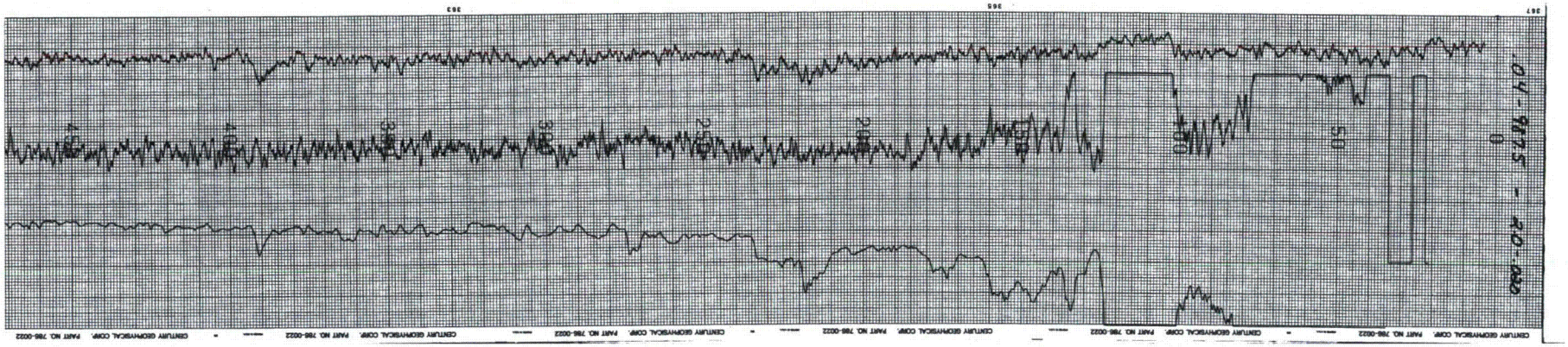


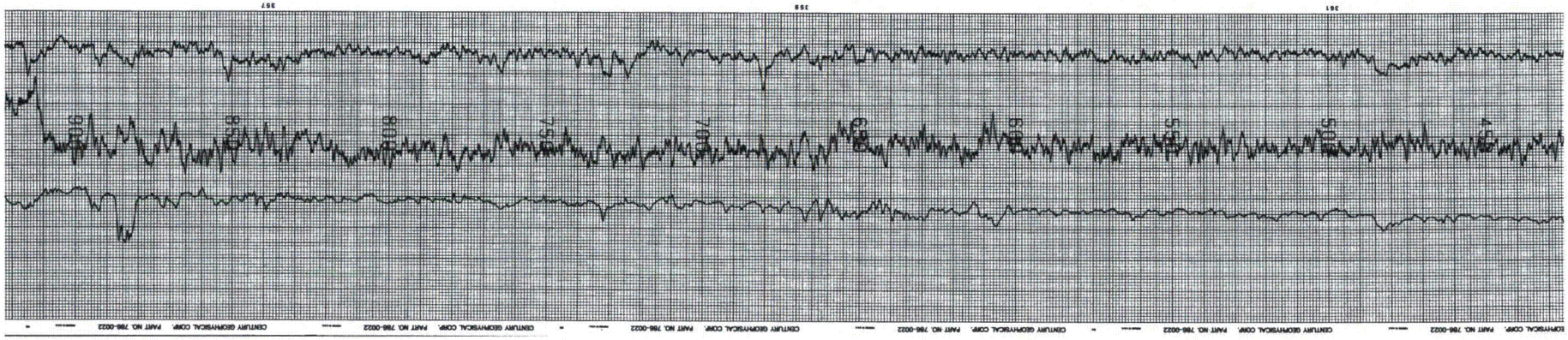
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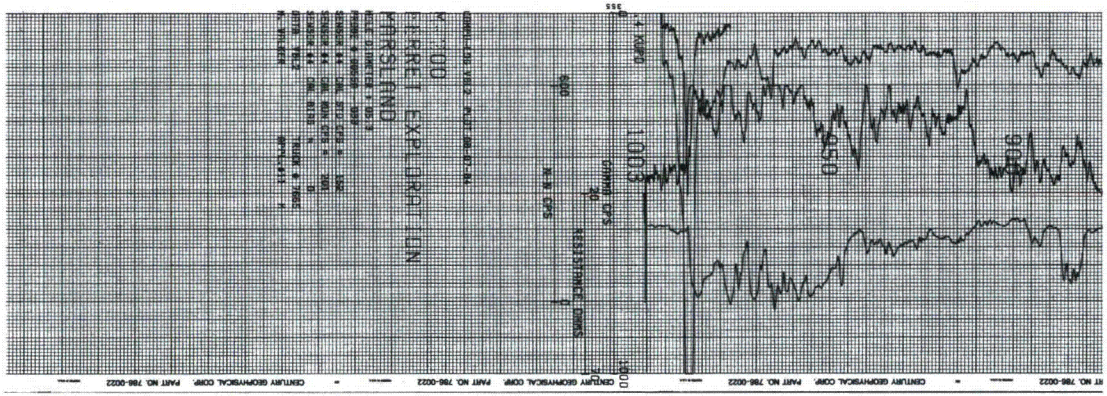
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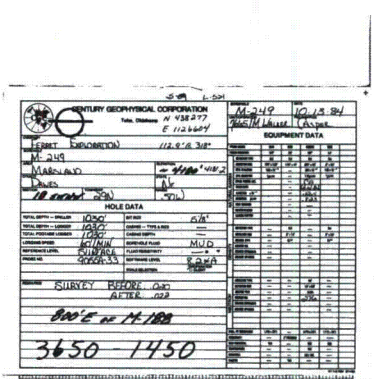


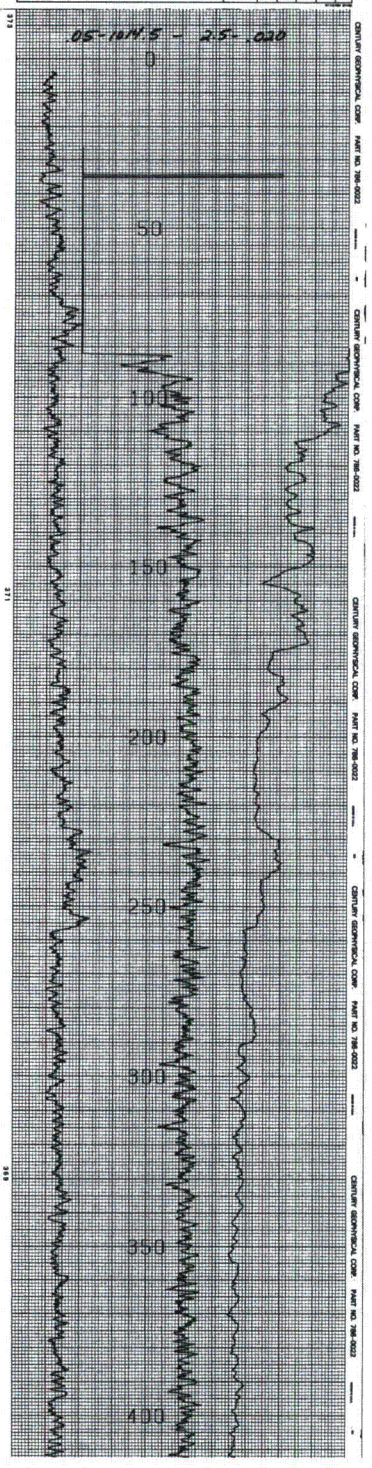


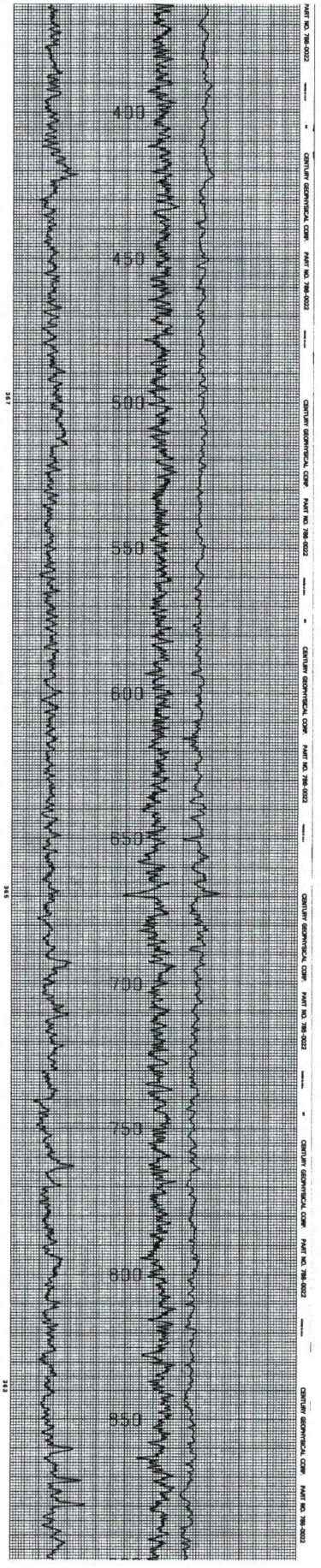
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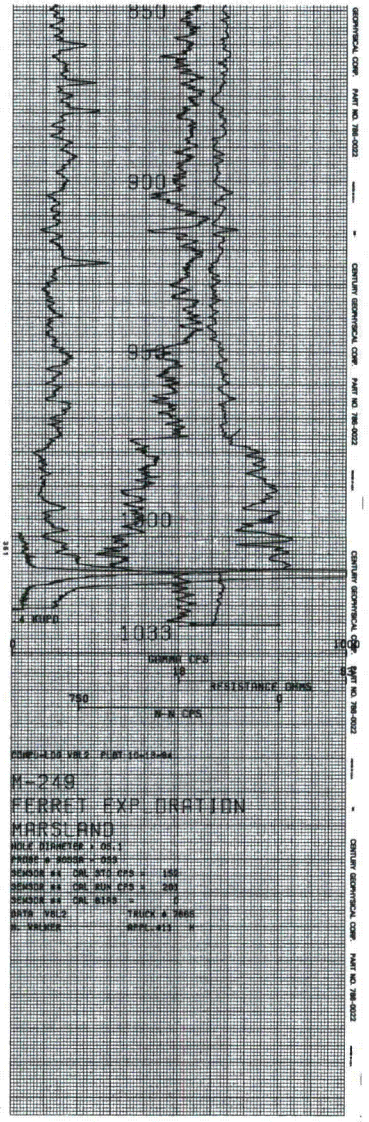
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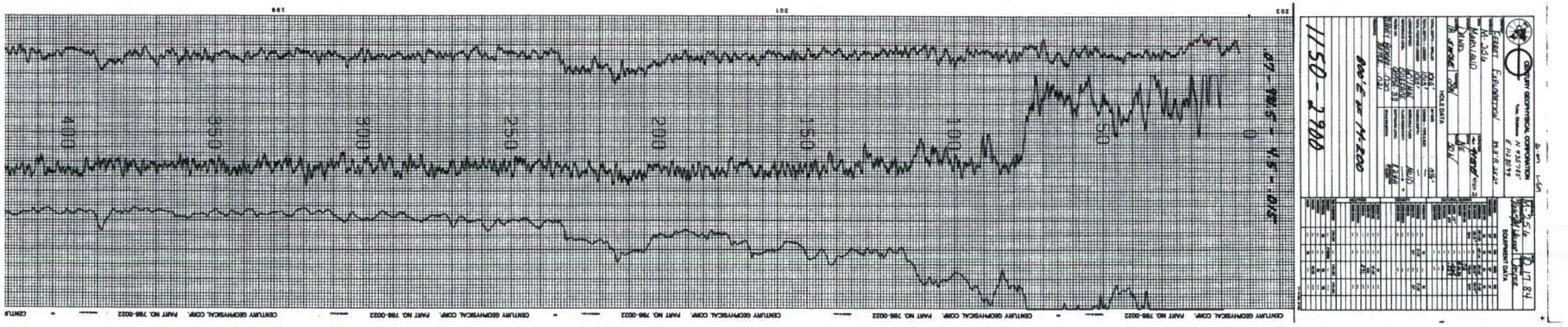


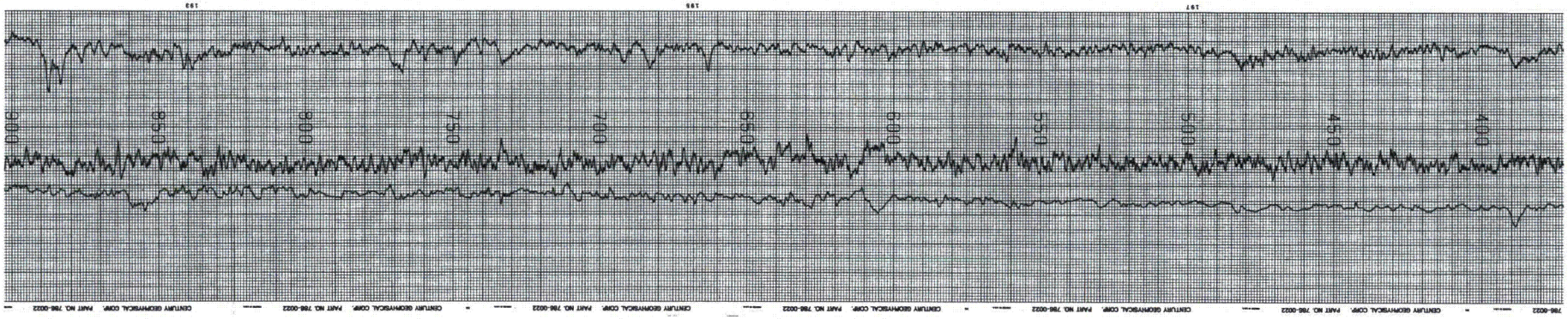
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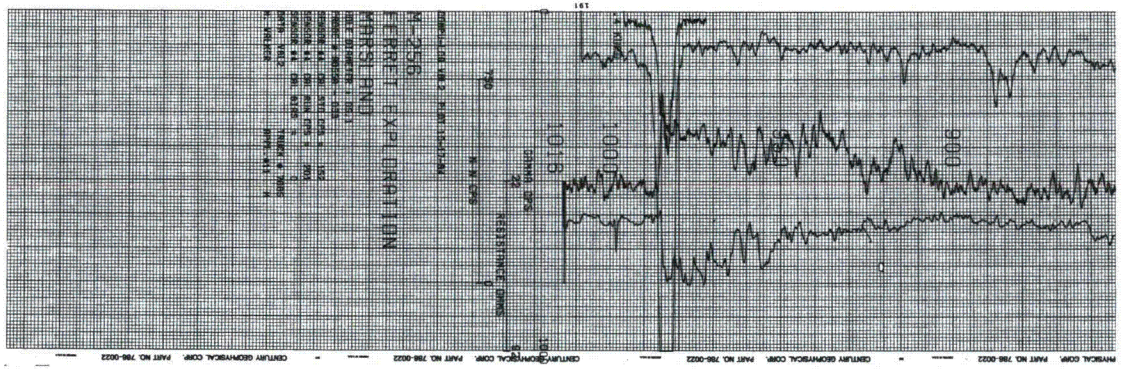
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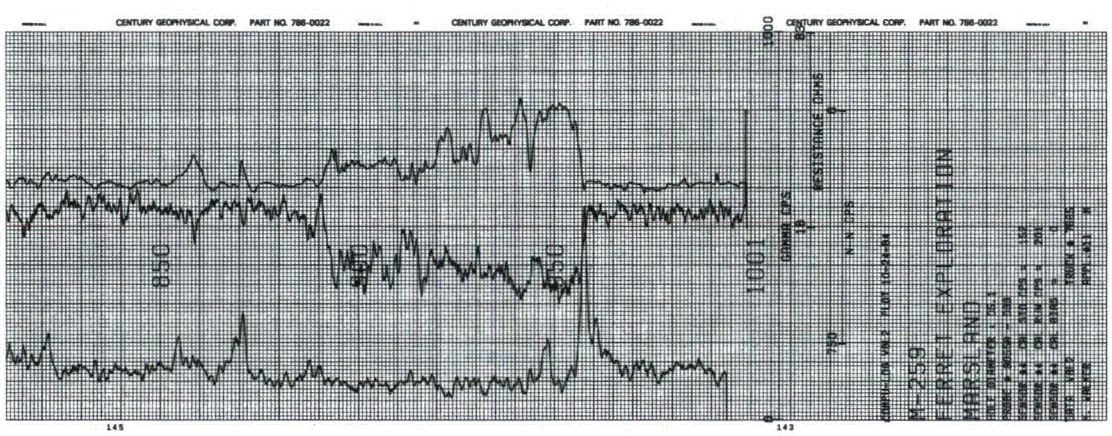


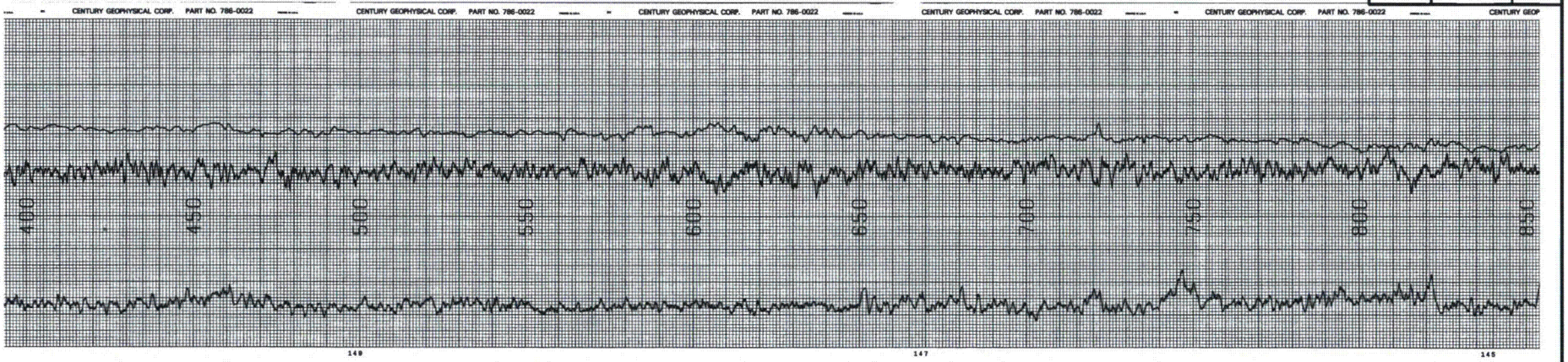


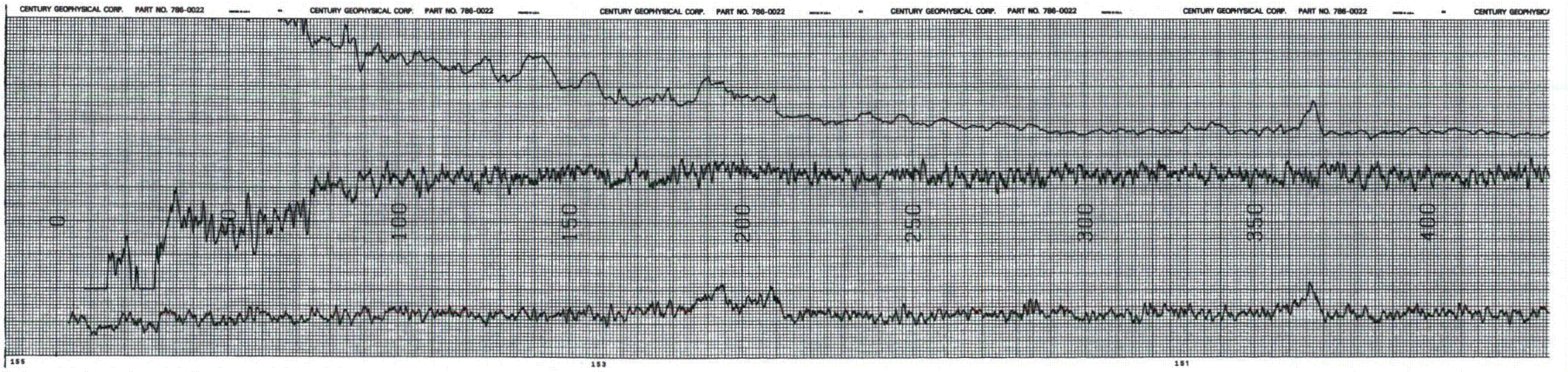
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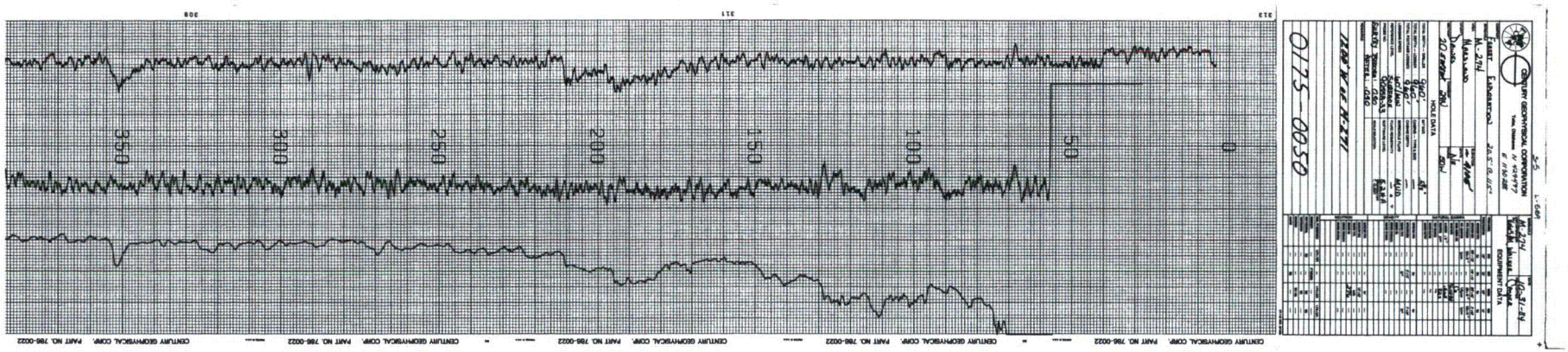


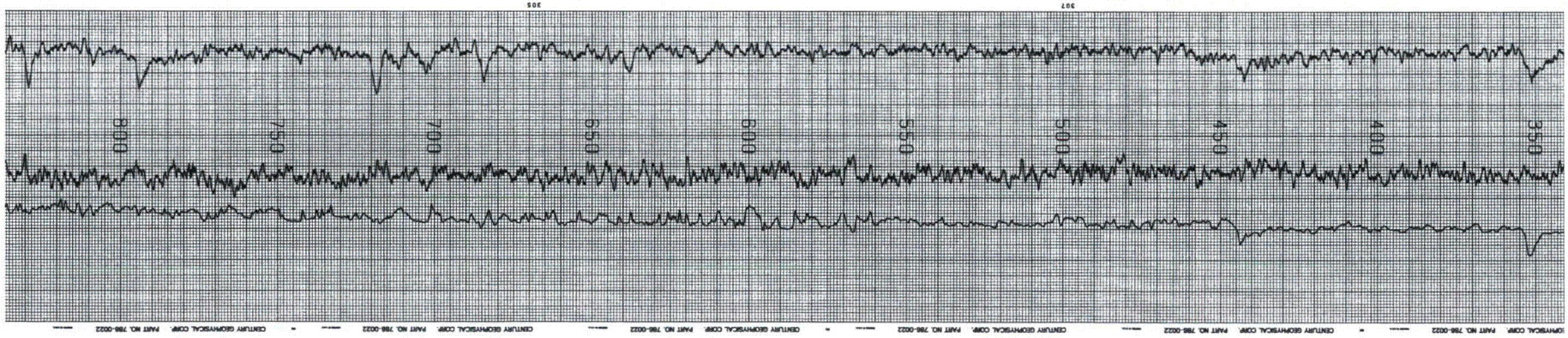
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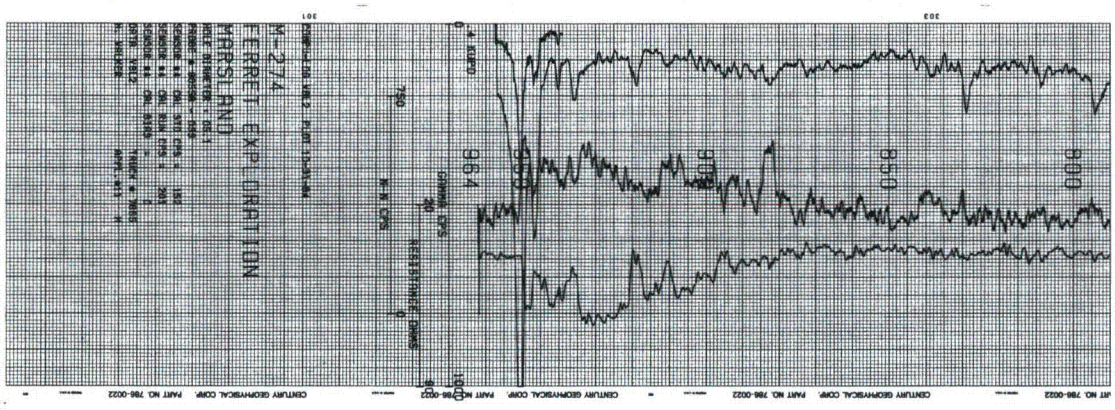
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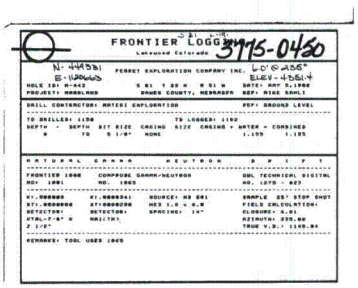
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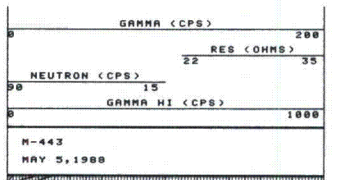
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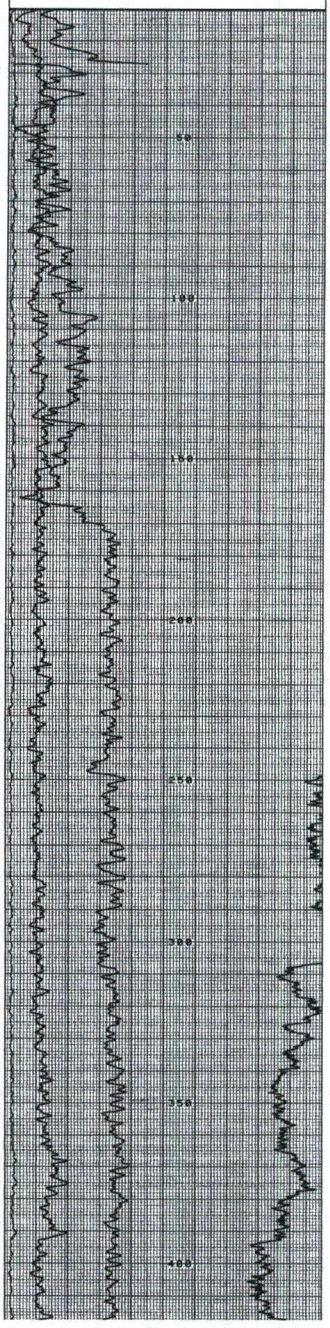
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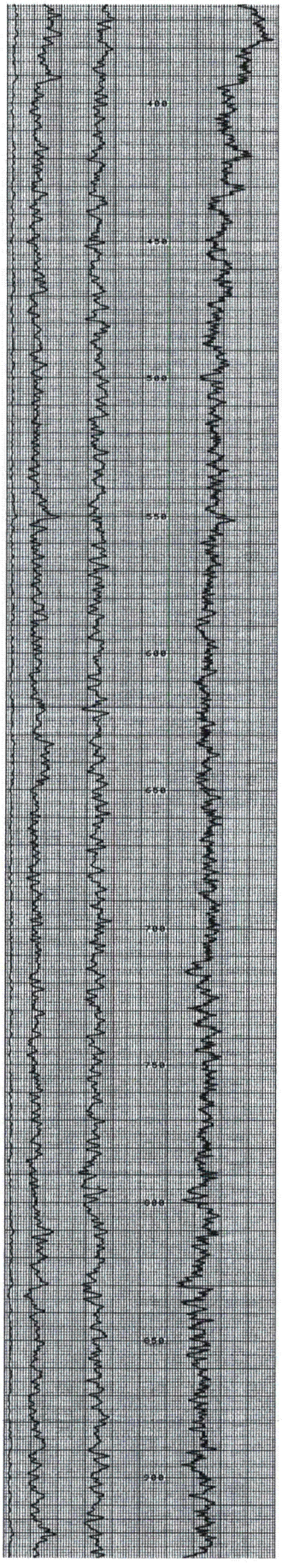
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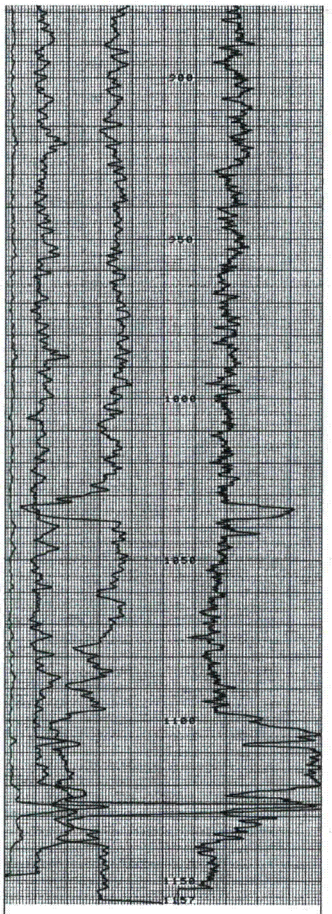
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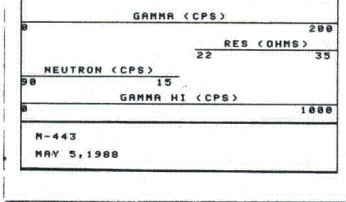










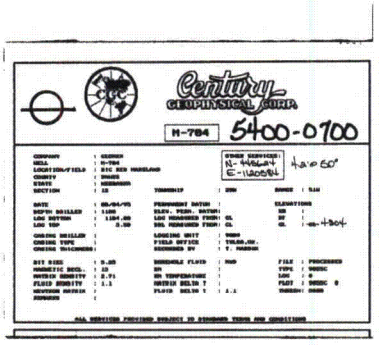


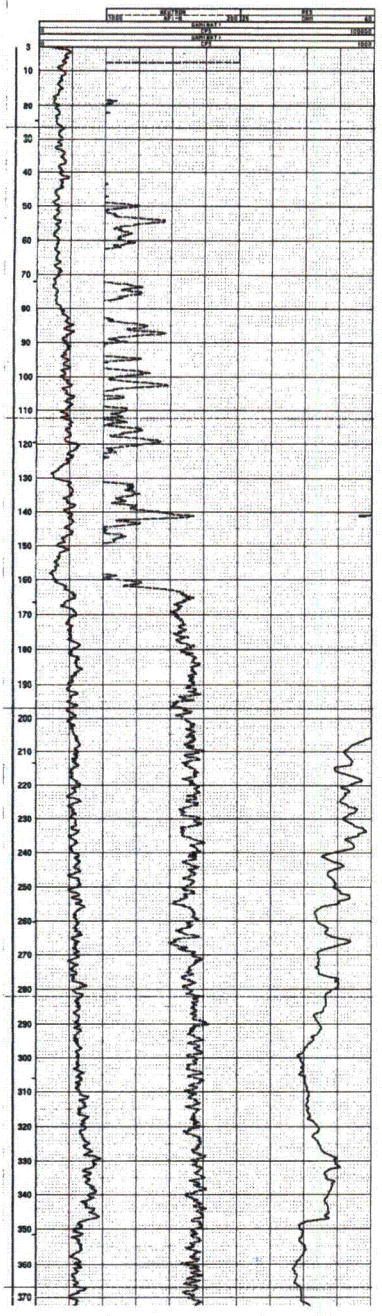
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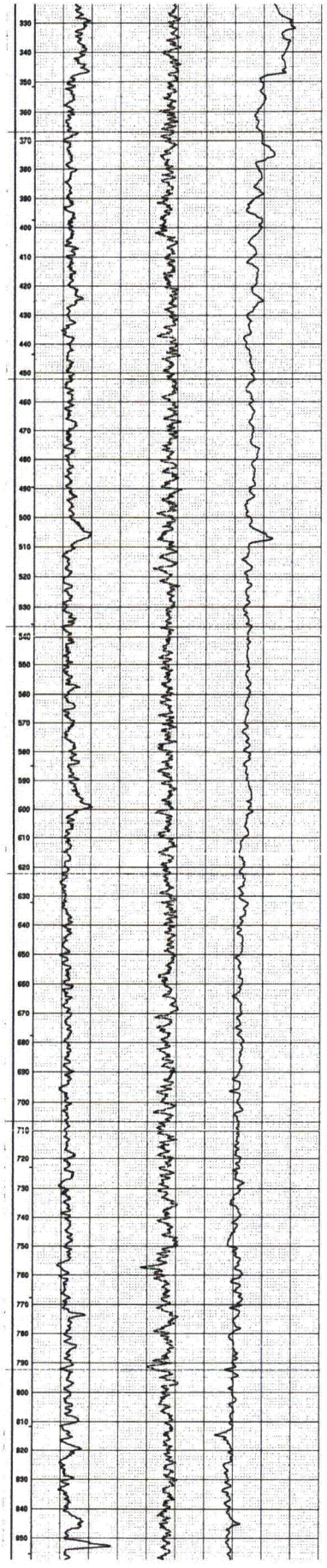
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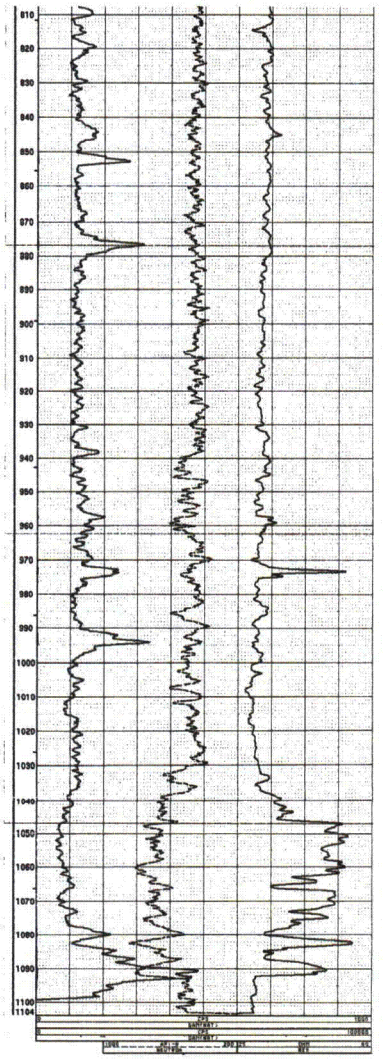
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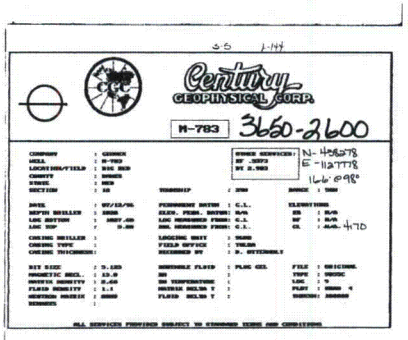


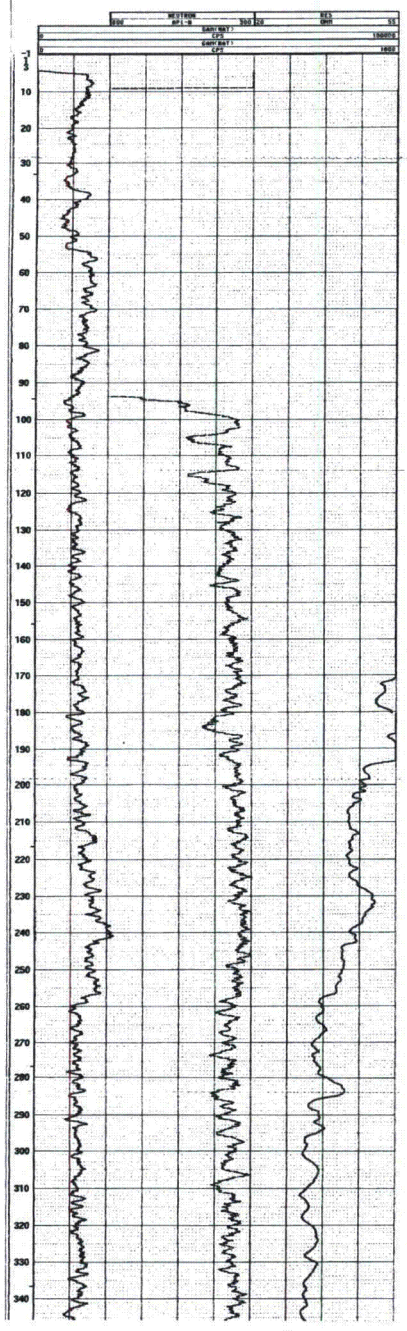
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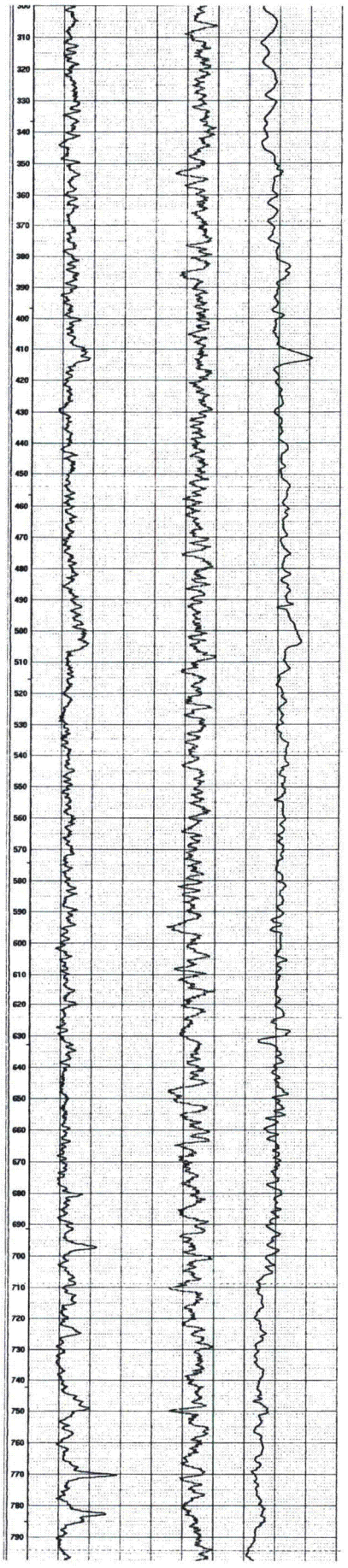
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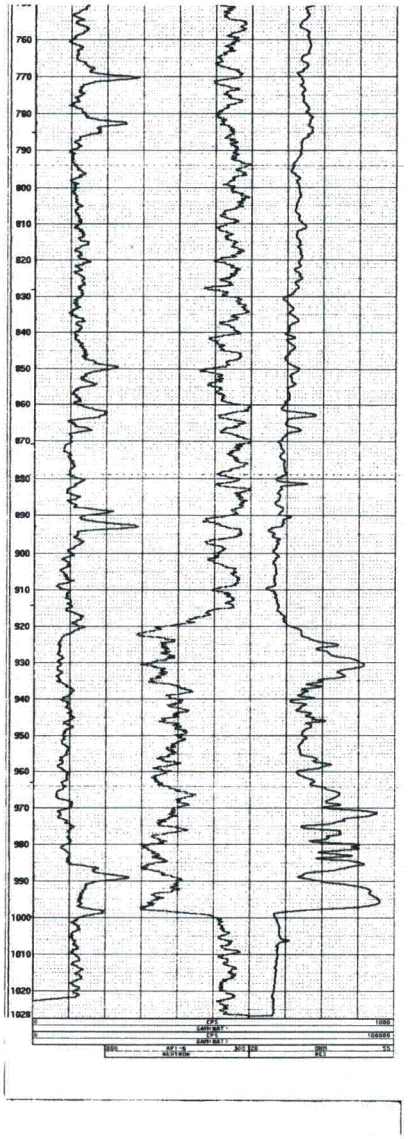
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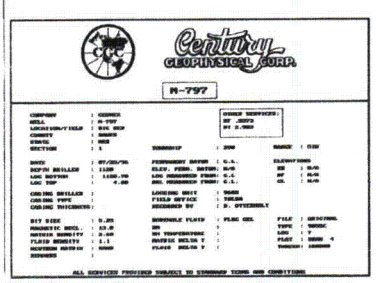


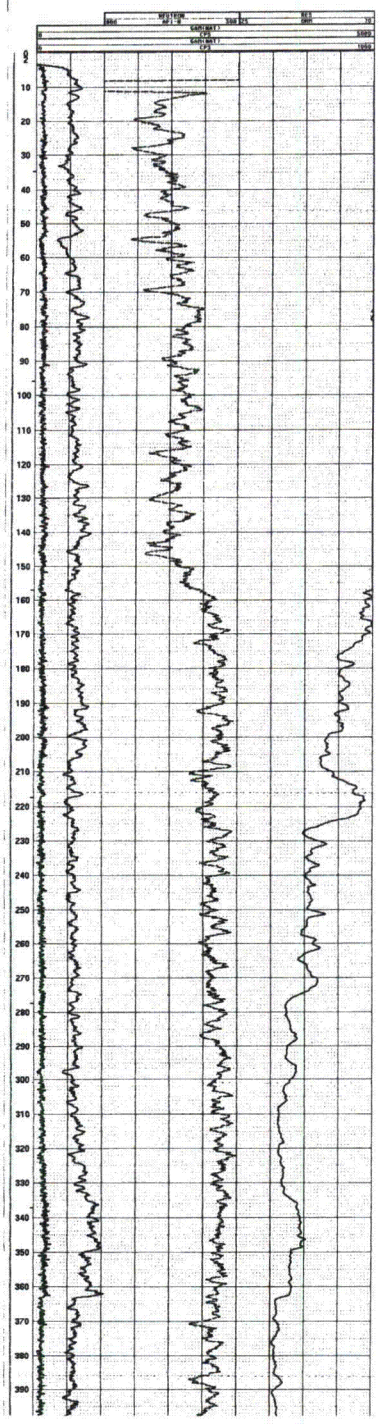
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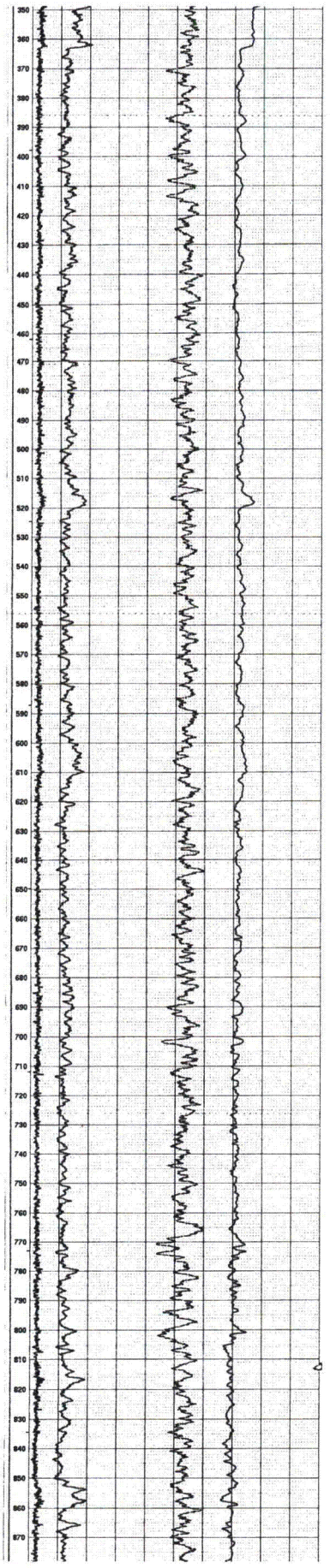
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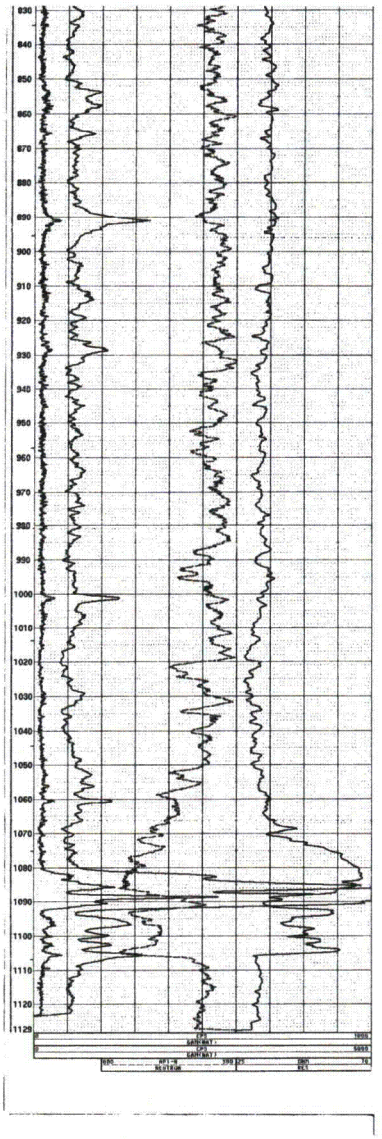
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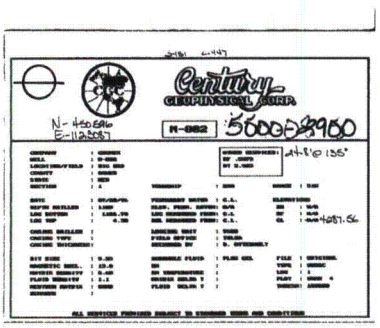


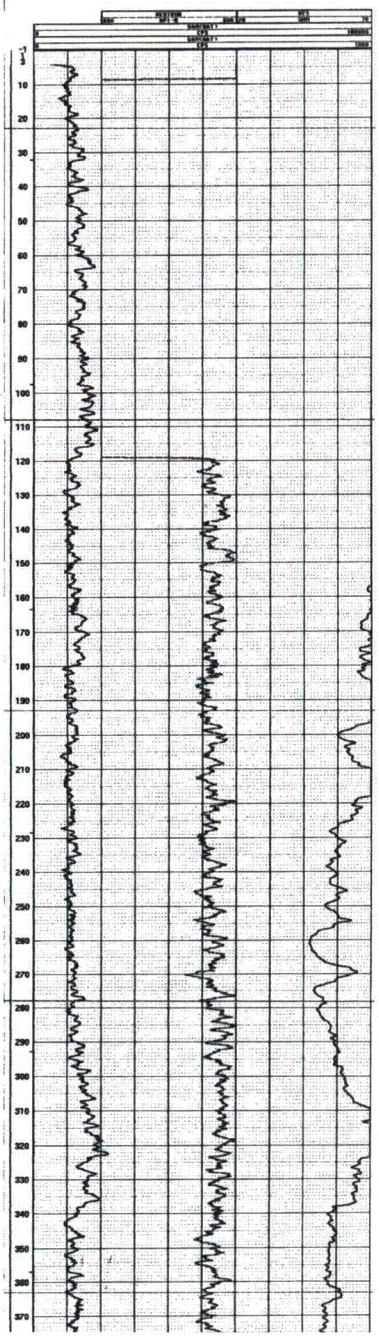
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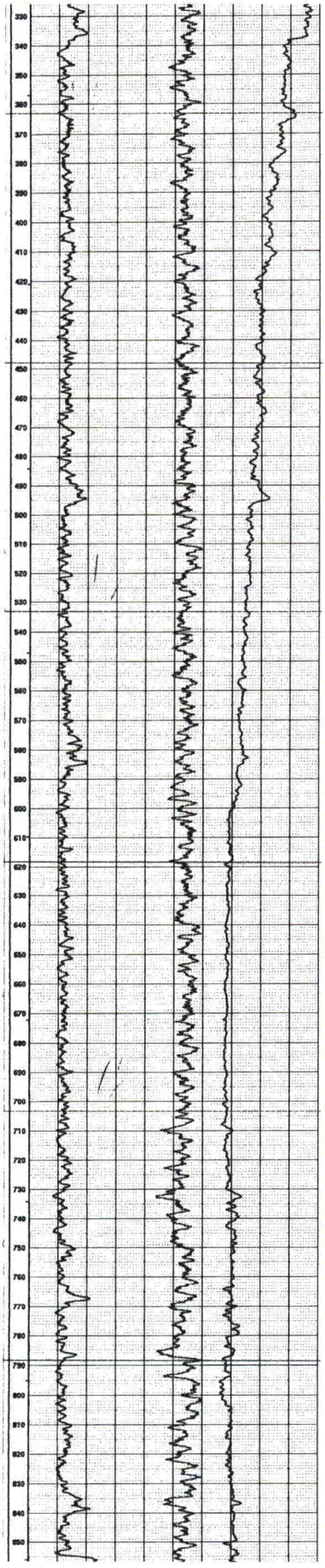
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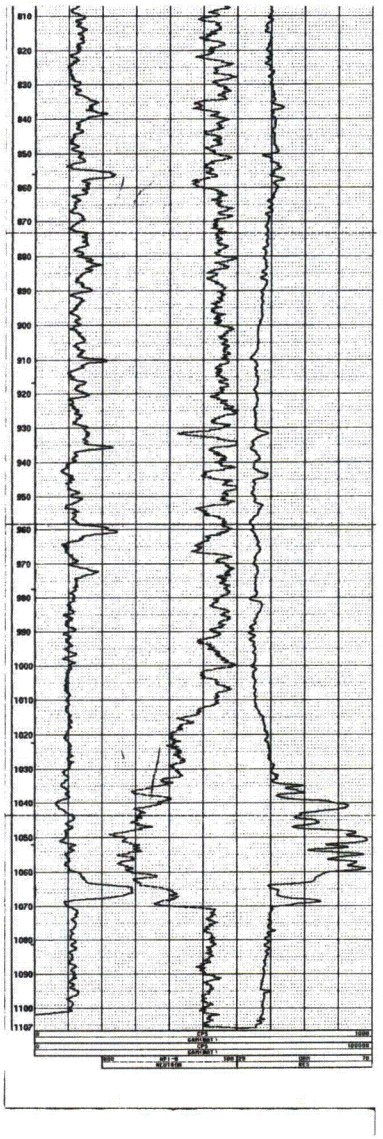
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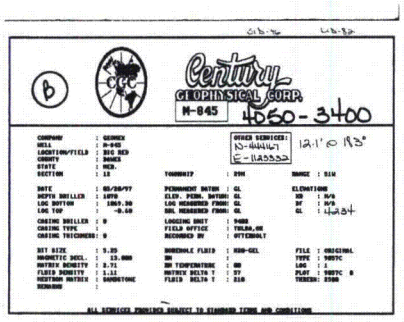


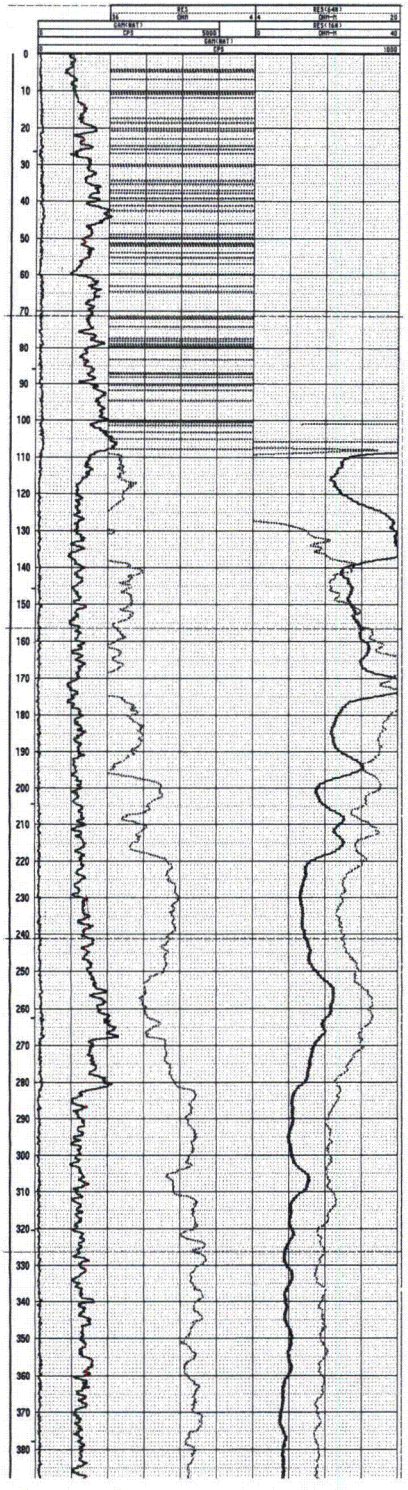
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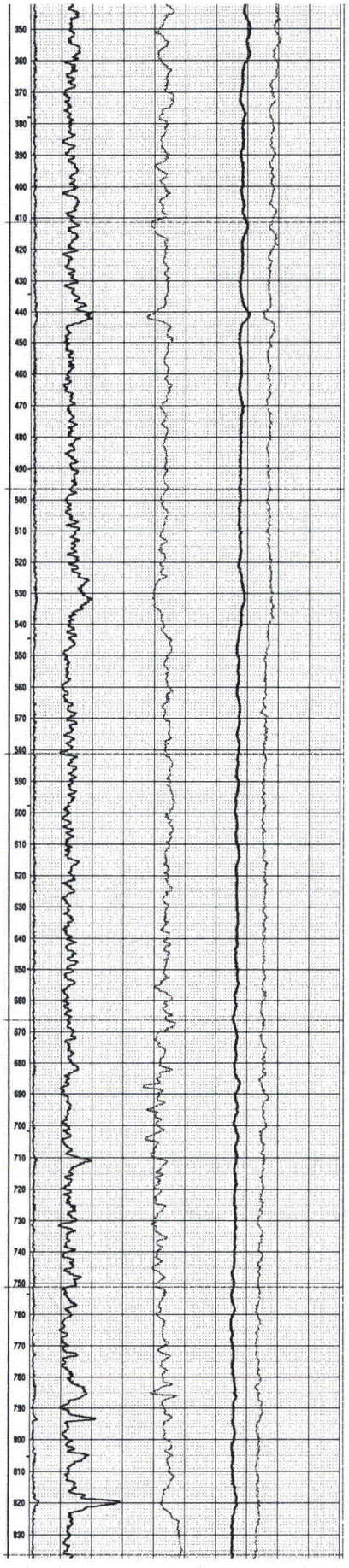
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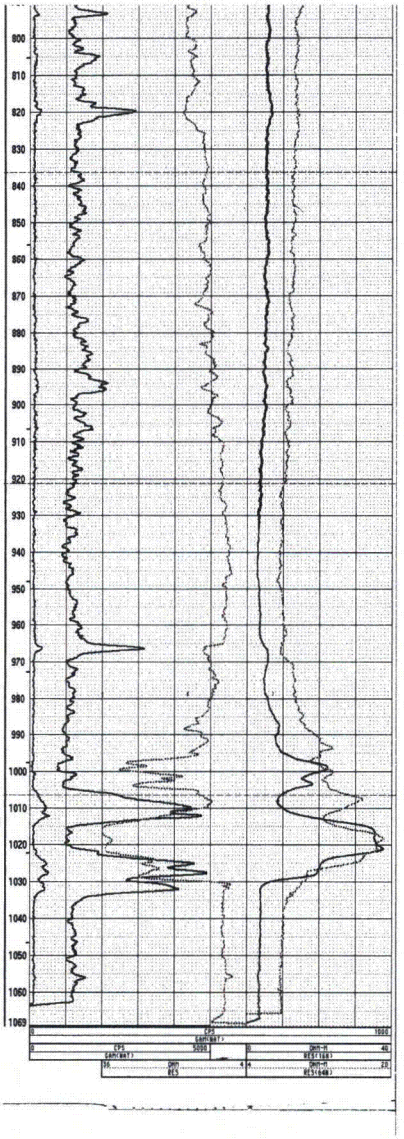
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Century
GEOPHYSICAL CORP.
M-845
4050-3400
12-1°E 193°
OTHER SERVICES:
N-444467
E-1185552
COMPANY : CROWCK
WELL : M-845
LOCATION/FIELD : 30S 52E
COUNTY : BOWIE
STATE : NEB.
SECTION : 13
TOWNSHIP : 29N
RANGE : 51W
DATE : 05/30/97
DEPTH DRILLER : 1070
LOG BOTTOM : 1069.30
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CASING DRILLER : 9
CASING TYPE :
CASING THICKNESS: 9
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ELEV. PERM. DATUM: GL
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DRL MEASURED FROM: GL
LOGGING UNIT : 9488
FIELD OFFICE : TELSA,SD
RECORDED BY : OTTESHOLT
ELEVATIONS
KB : N/A
DF : N/A
GL : 4384
BIT SIZE : 5.25
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NEUTRON MATRIX : SANDSTONE
REMARKS :
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OH :
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ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS





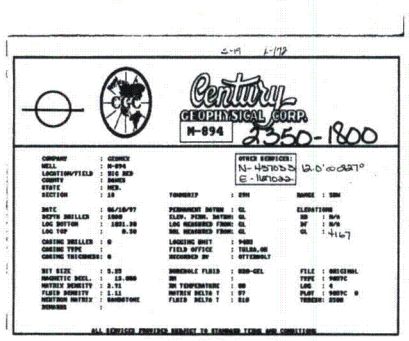


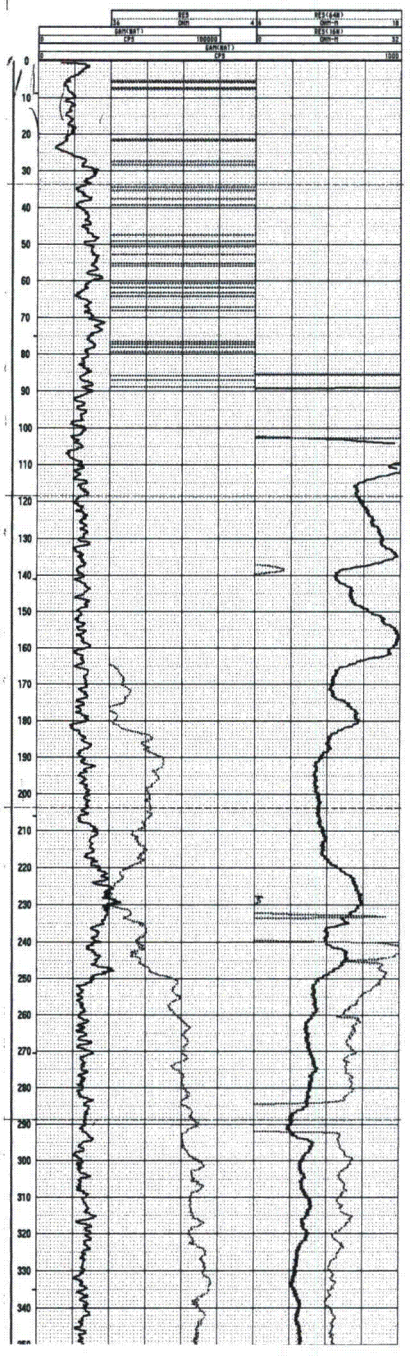
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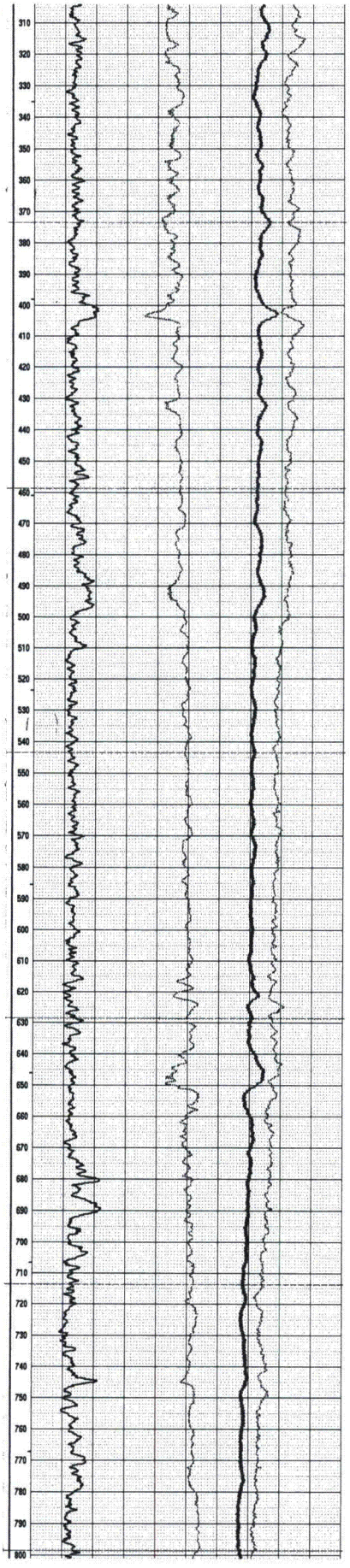
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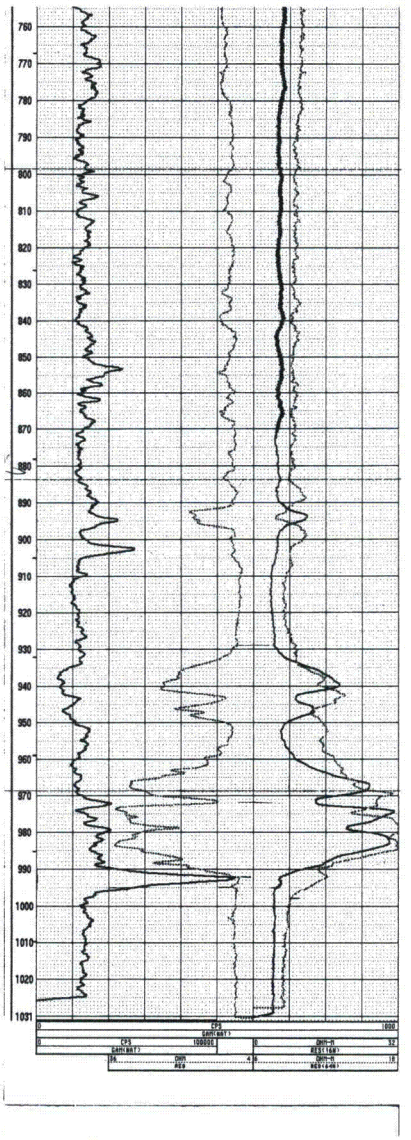
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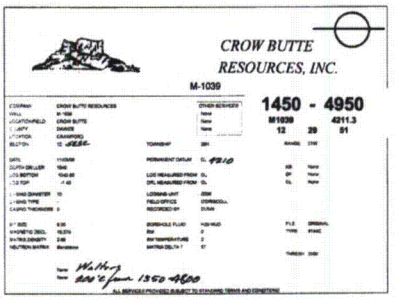


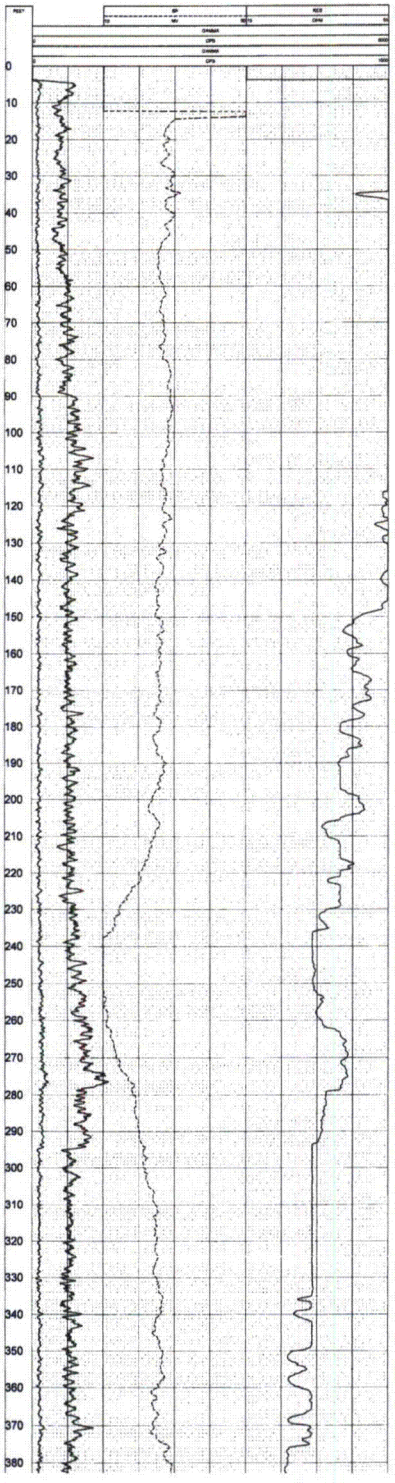
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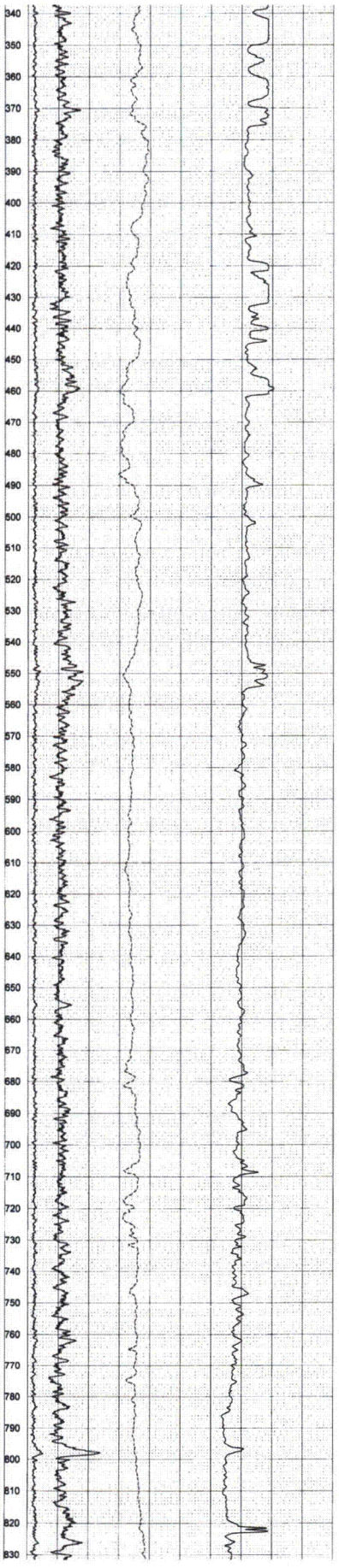
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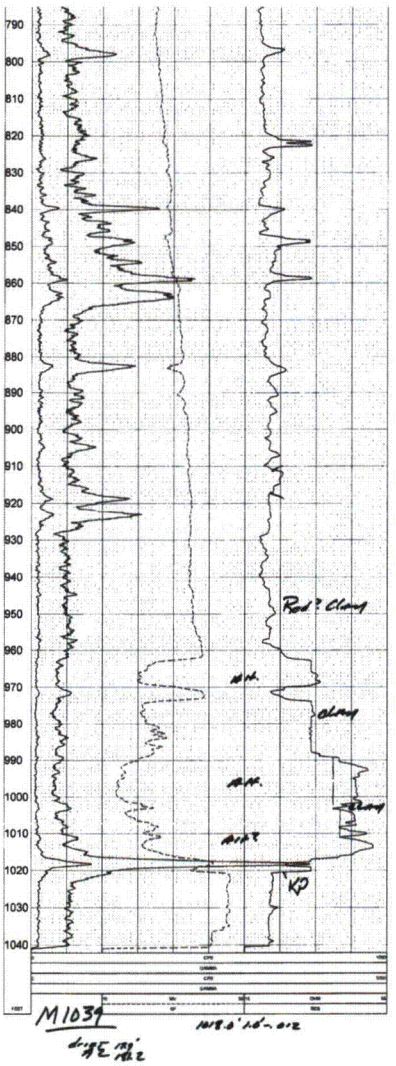
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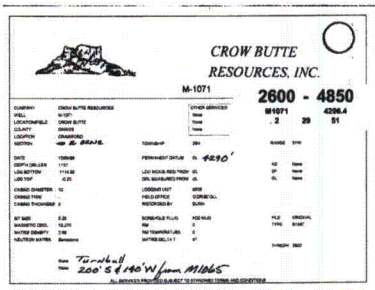


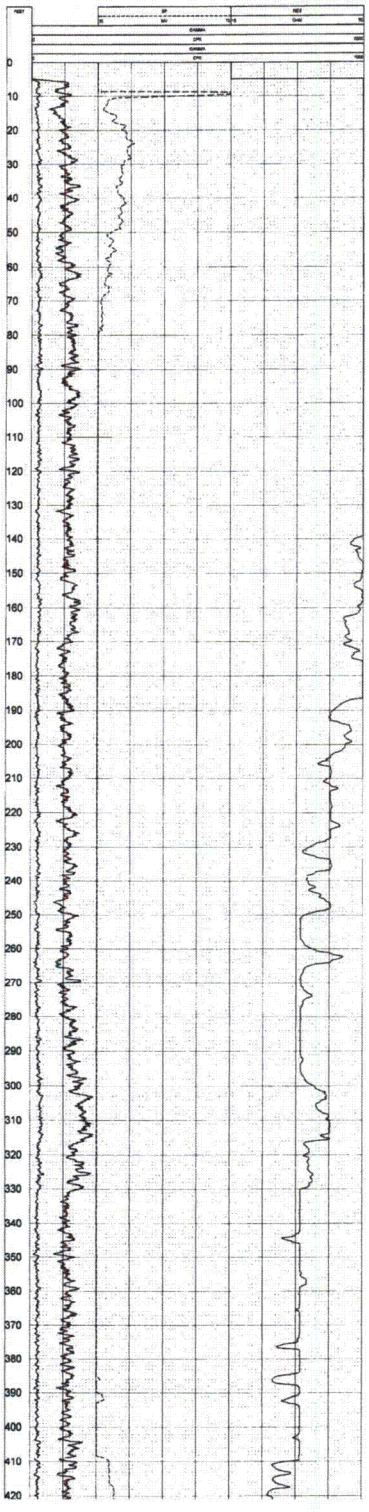
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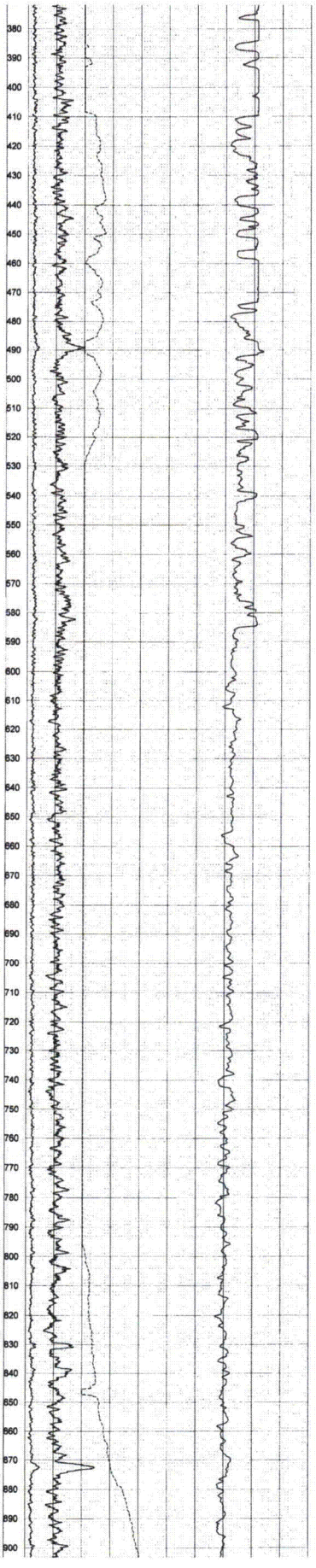
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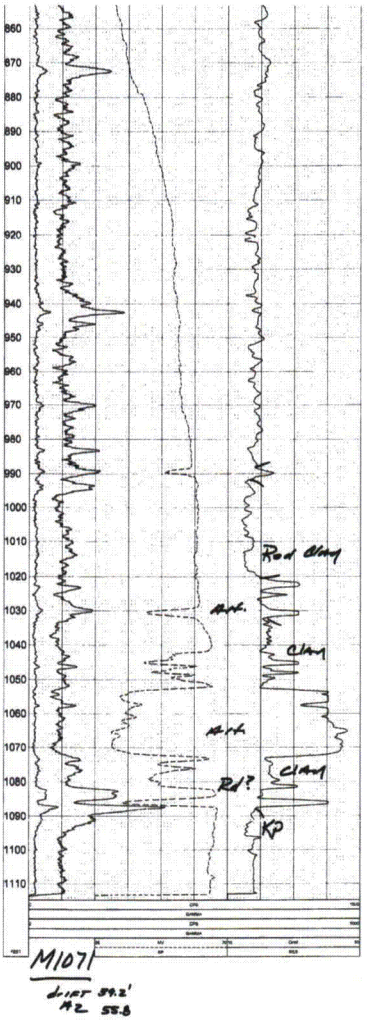
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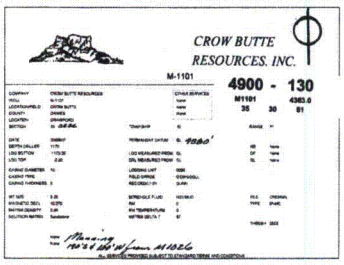


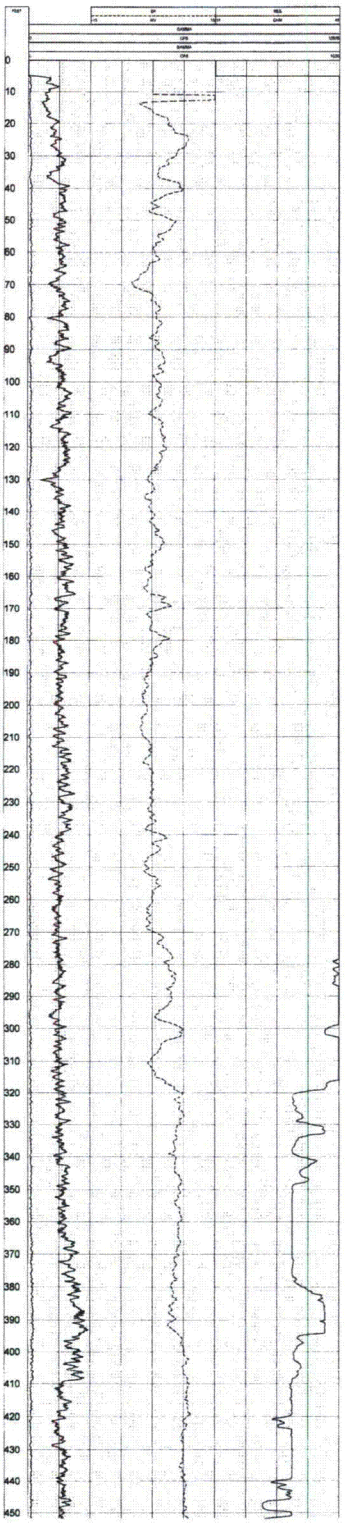
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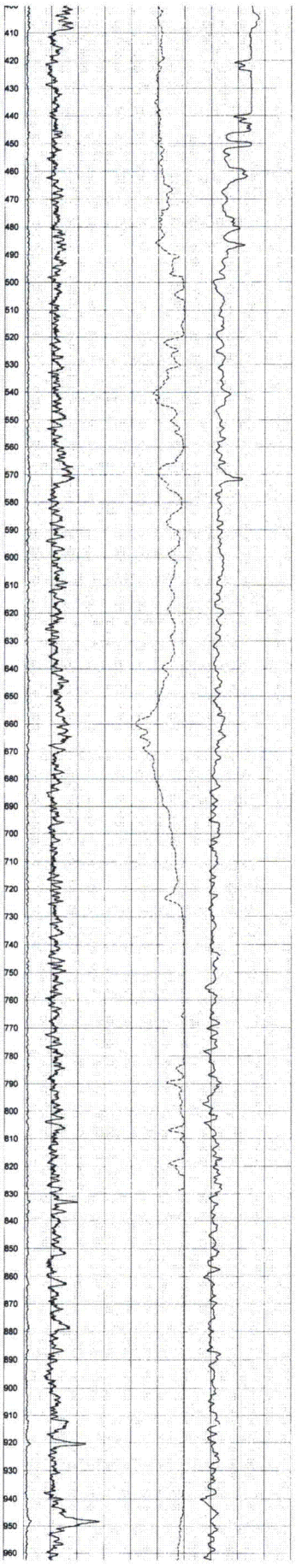
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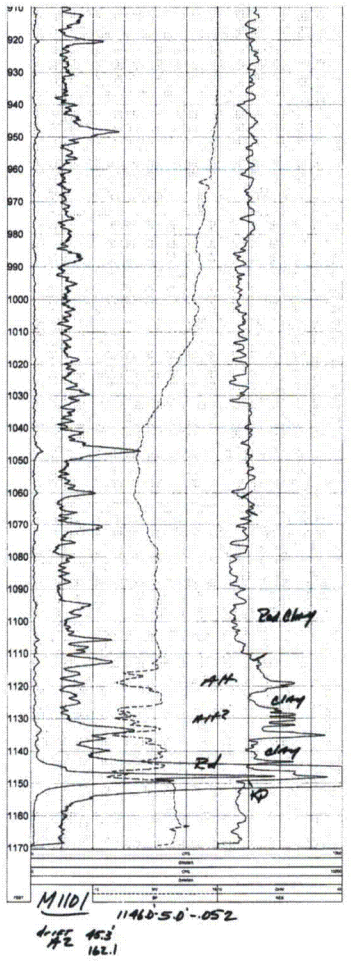
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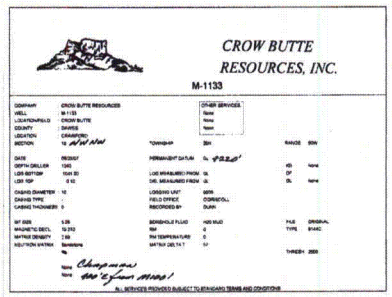


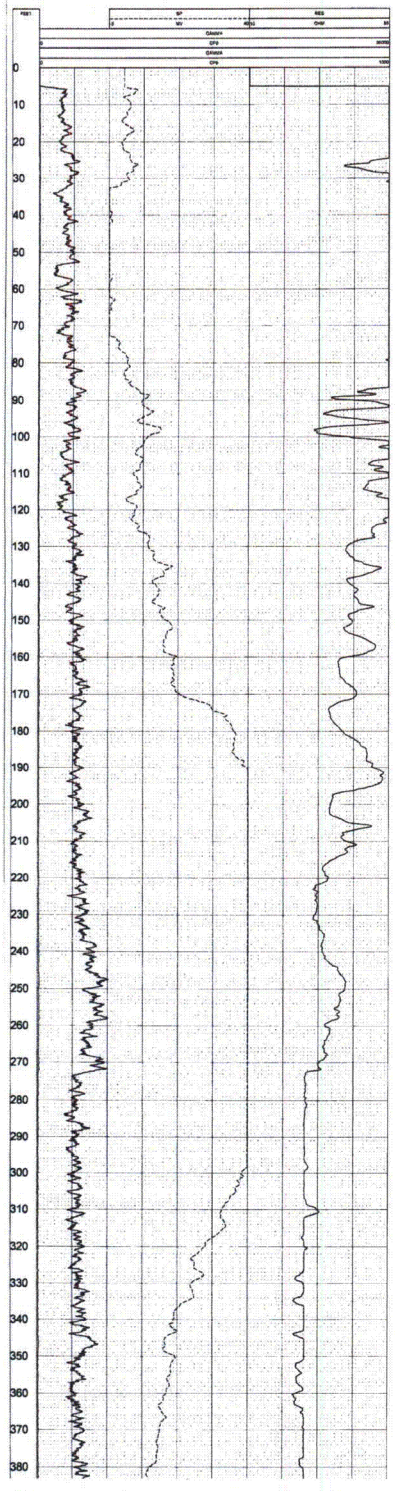
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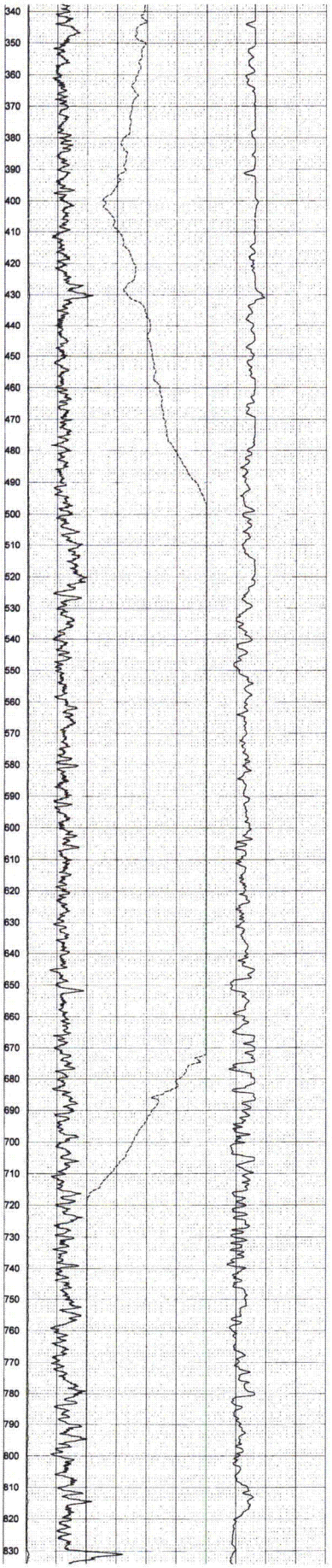
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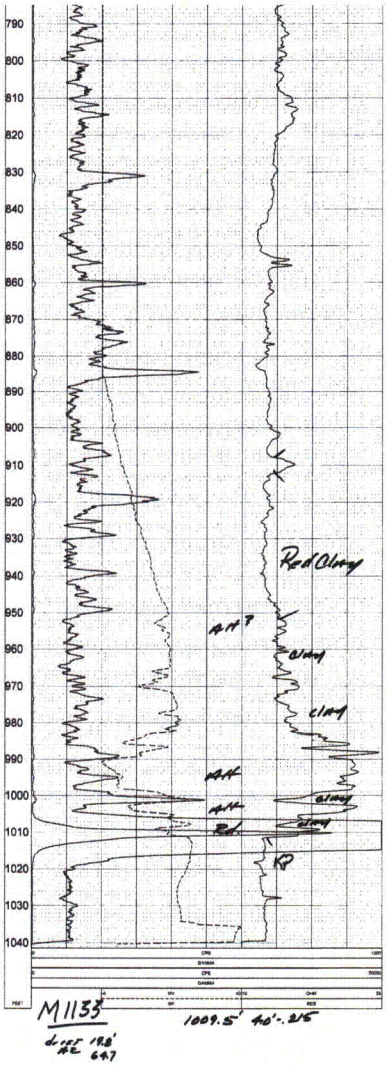
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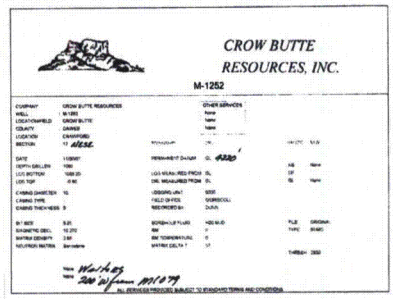


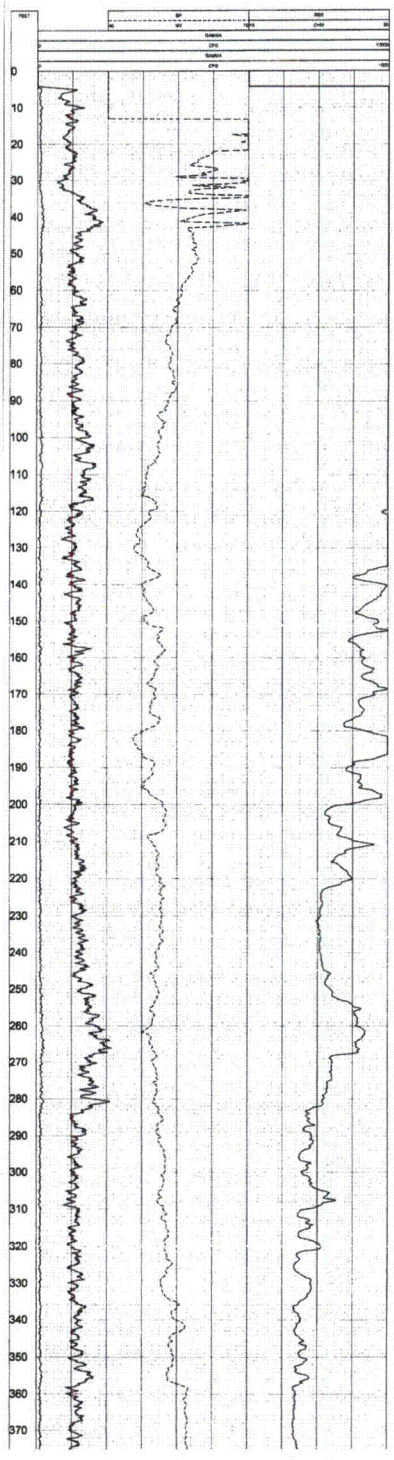
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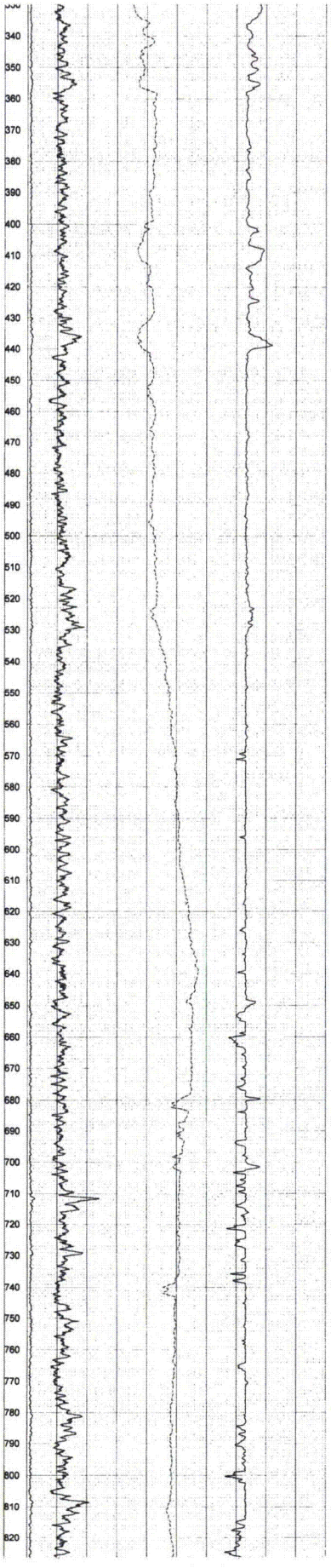
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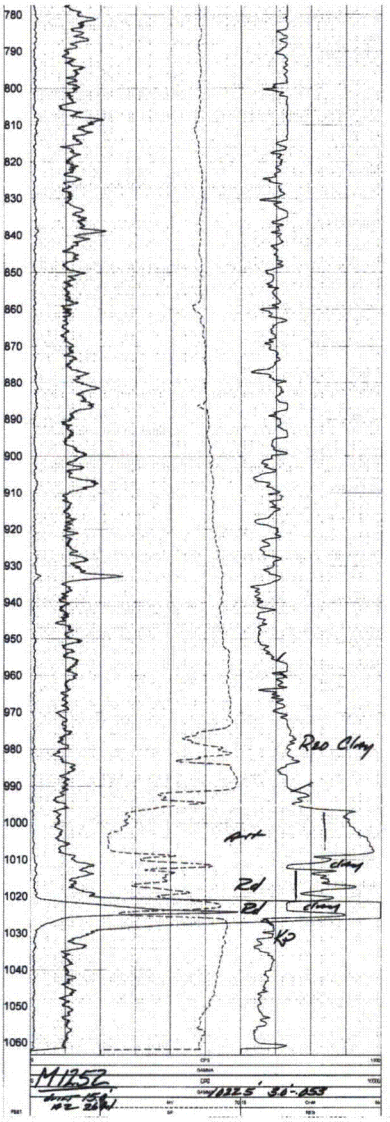
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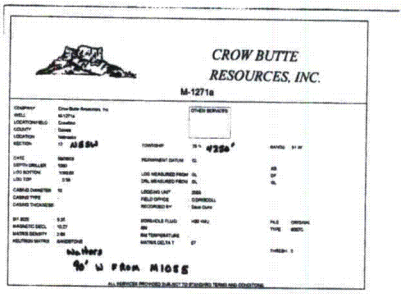


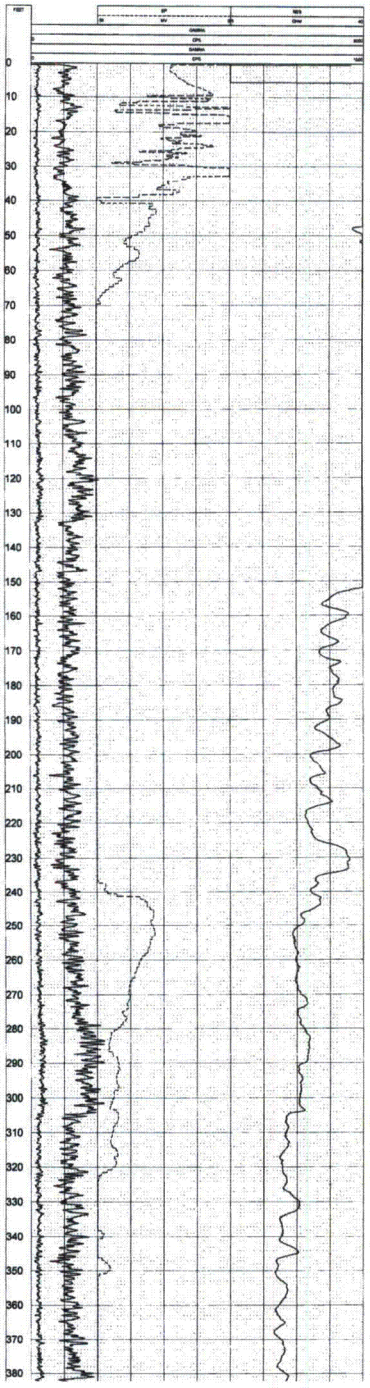
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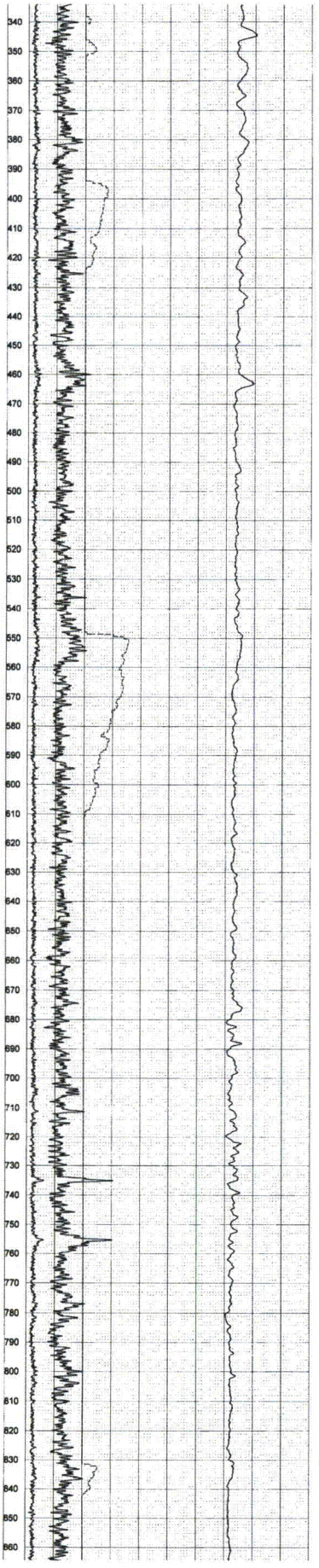
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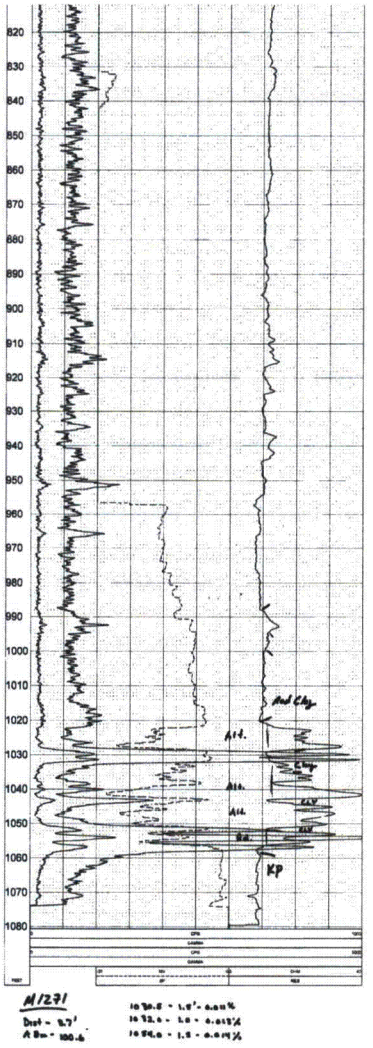
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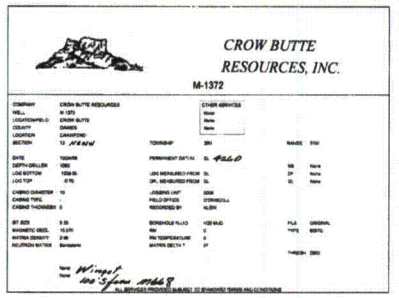


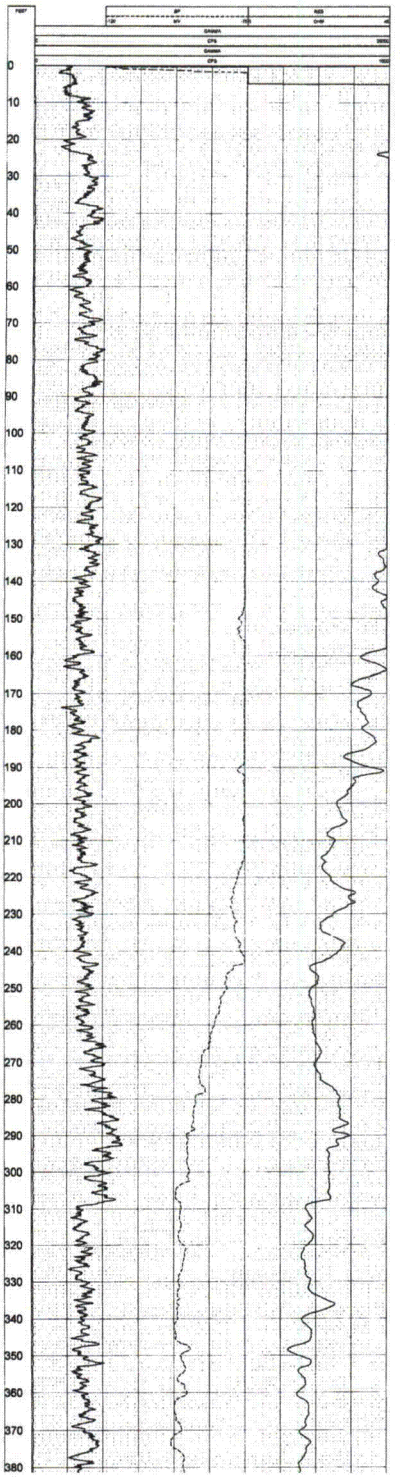
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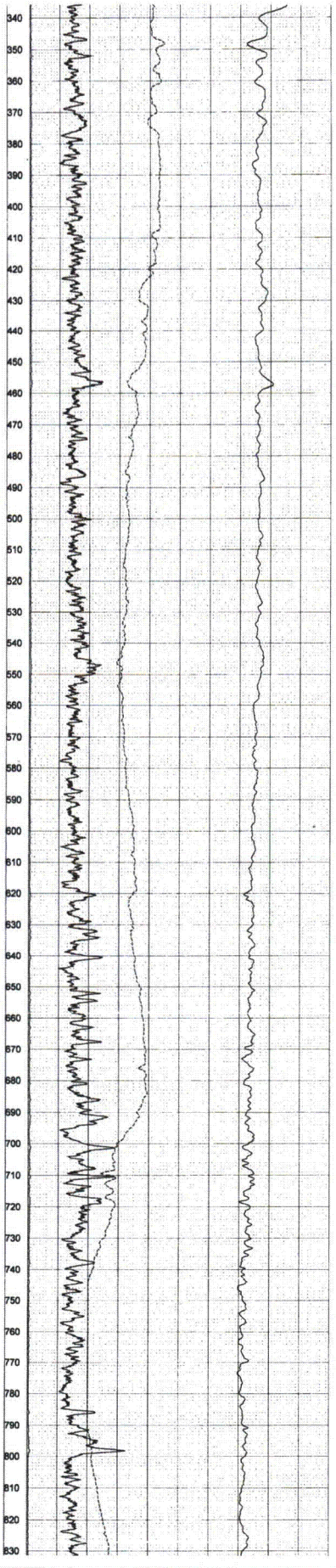
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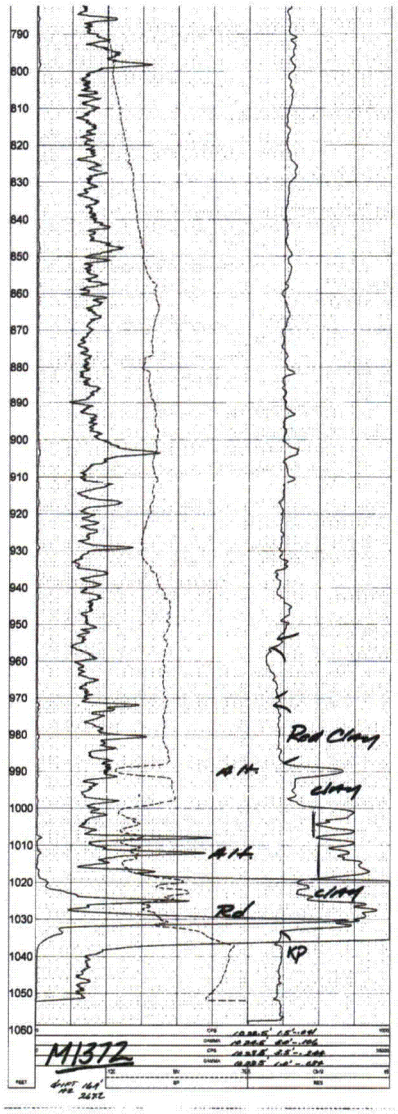
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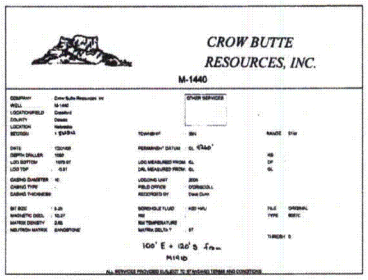


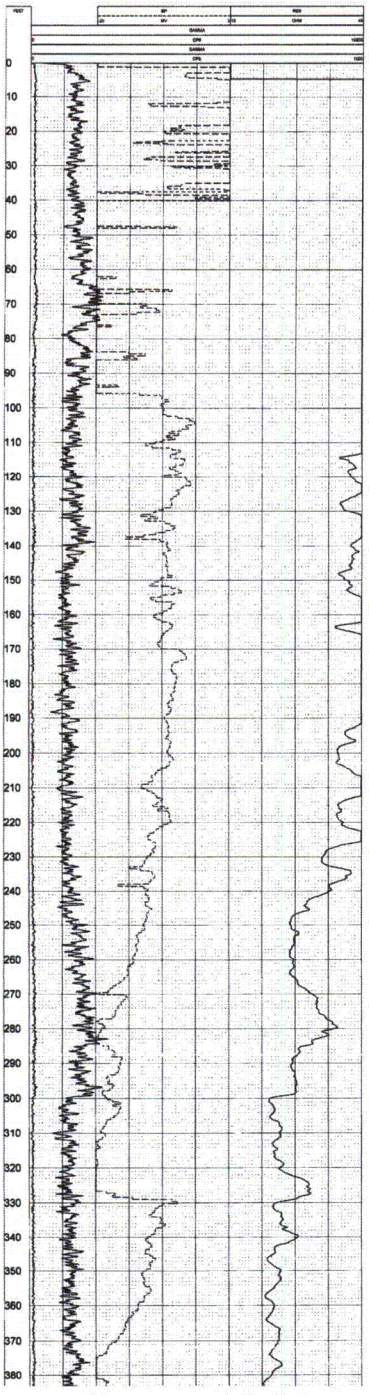
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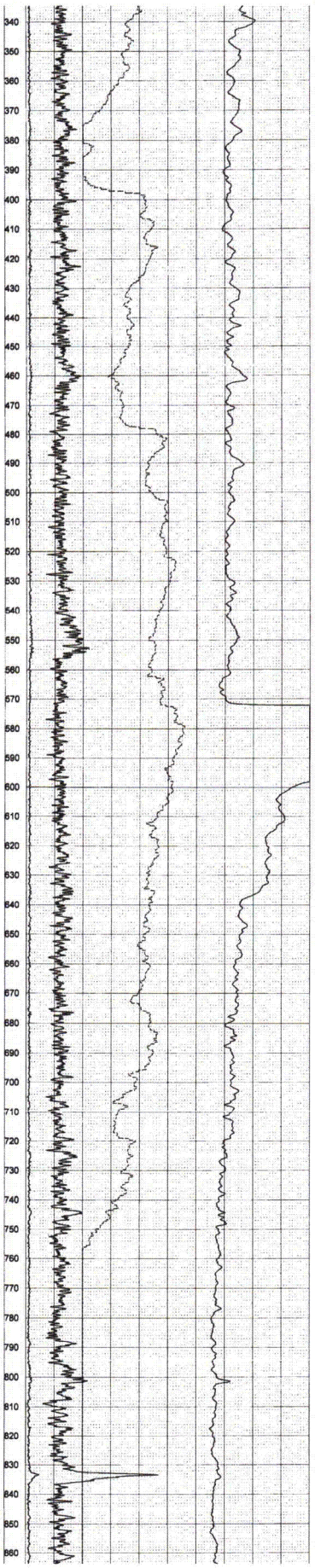
LOG M-1372

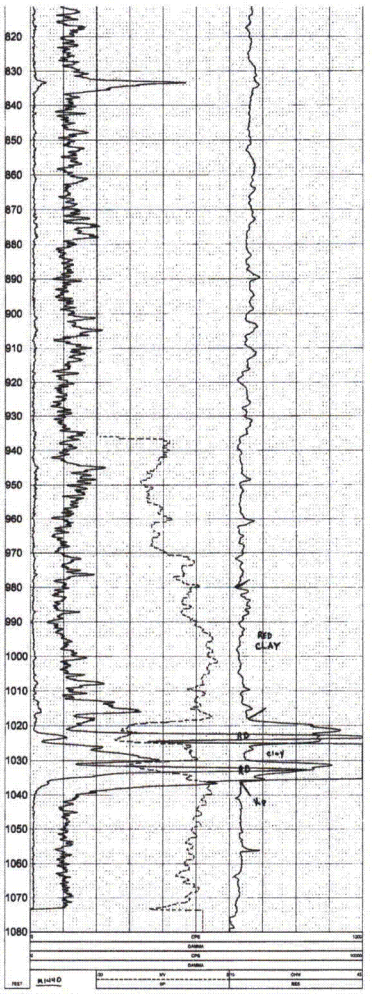
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LOG M-1440

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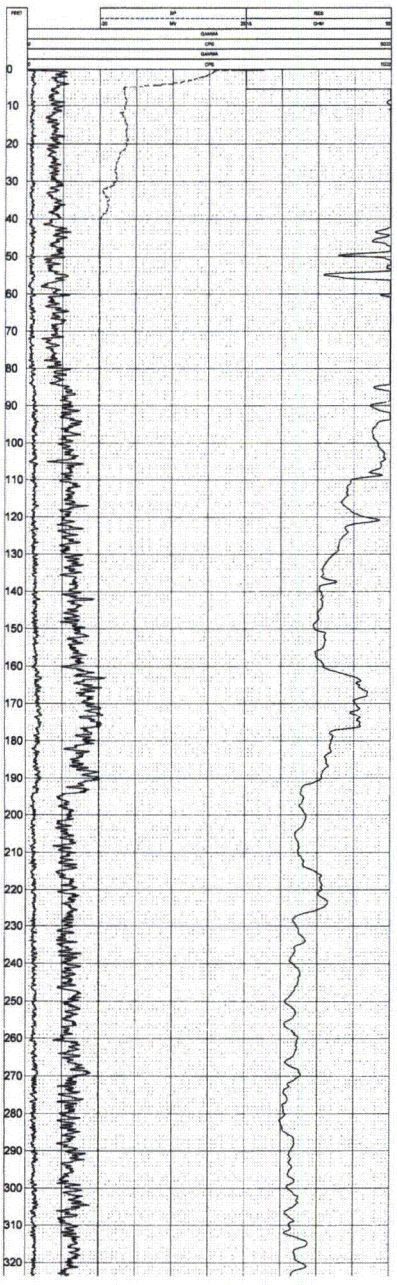
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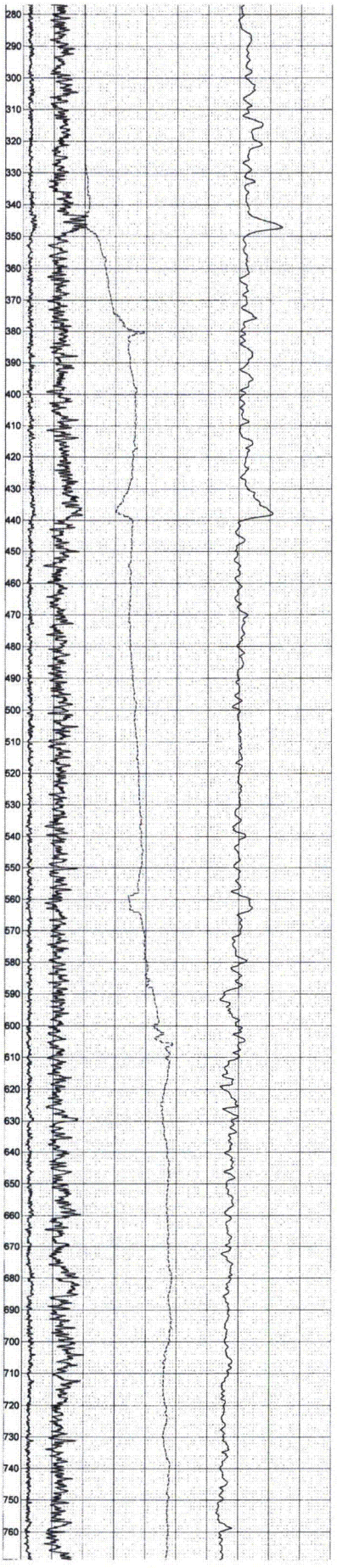
CROW BUTTE RESOURCES, INC.

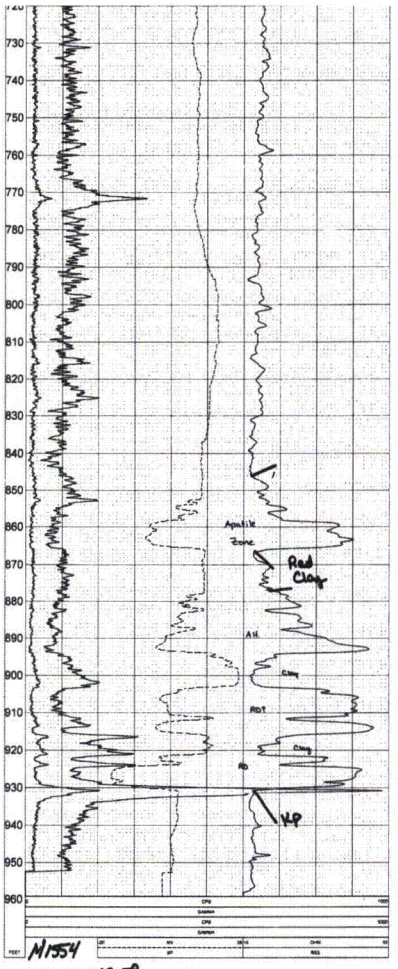
M-1554 O

COMPANY	CROW BUTTE		OTHER SERVICES		
WELL	M-1554				
LOCATION/FIELD	CRAWFORD				
COUNTY	DAWES COUNTY				
LOCATION	NEBRASKA				
SECTION	21 SE NW	TOWNSHIP	29N	RANGE	55W
DATE	2/25/10	PERMANENT DATUM	GL Ground		
DEPTH DRILLER	990			KB	
LOG BOTTOM	959.14	LOG MEASURED FROM	GL	DF	
LOG TOP	7.34	DRL MEASURED FROM	GL	GL	
CASING DIAMETER	10	LOGGING UNIT	09		
CASING TYPE		FIELD OFFICE	O'GRADDELL		
CASING THICKNESS		RECORDED BY	DAVE DUNN		
BIT SIZE	9.88	BOREHOLE FLUID	WLO	FILE	ORIGINAL
MAGNETIC DECL	10.27	RM		TYPE	3007C
MATRIX DENSITY	2.65	RM TEMPERATURE	69.5		
NEUTRON MATRIX	SANDSTONE	MATRIX DELTA T	54		

Forman ~200' E of M571







AZM: 149.5°
DIST: 30.6'

CROW BUTTE RESOURCES, INC.

LOG M-1554

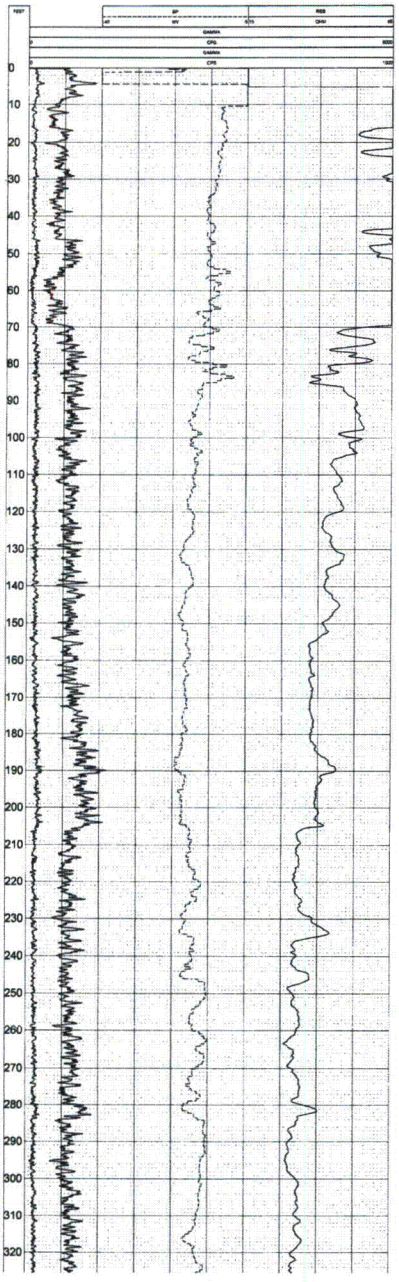
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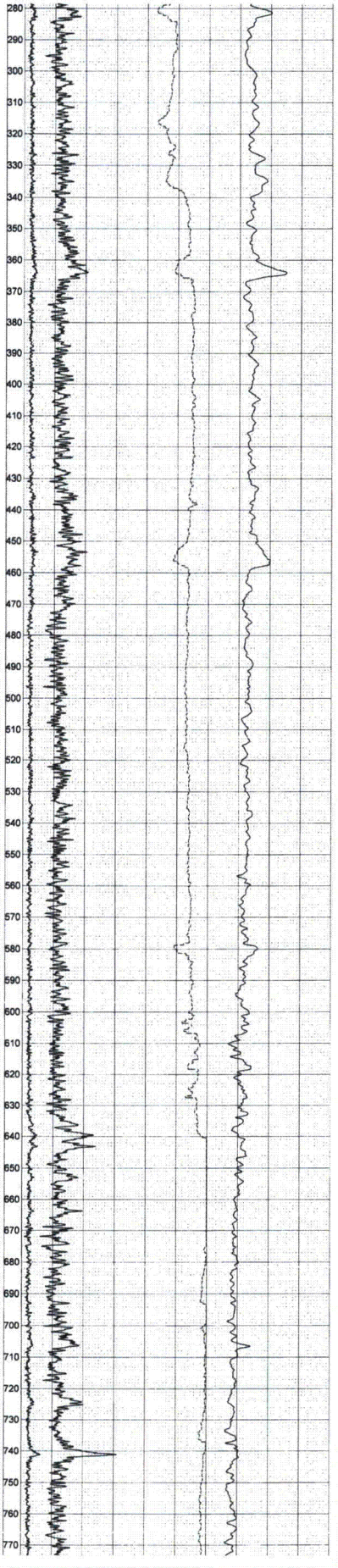
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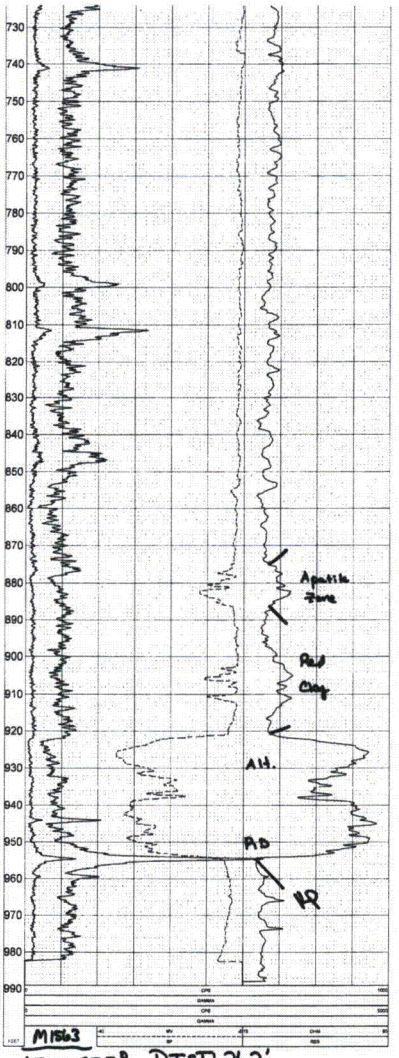
CROW BUTTE RESOURCES, INC.

M-1563

Forman ~400' N from 1650 - 5175







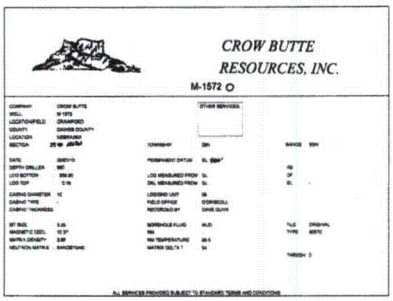
AZM: 87.7° DIST: 26.2'

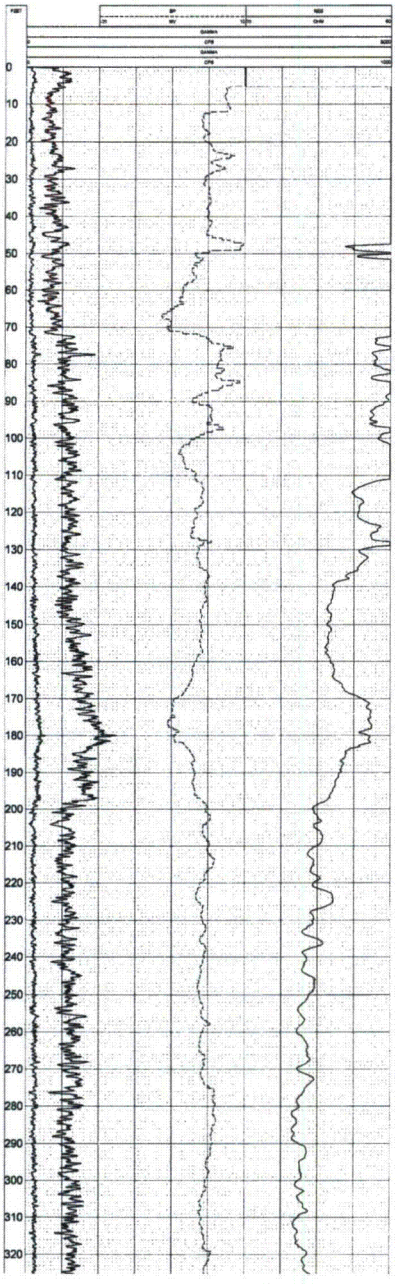
CROW BUTTE RESOURCES, INC.

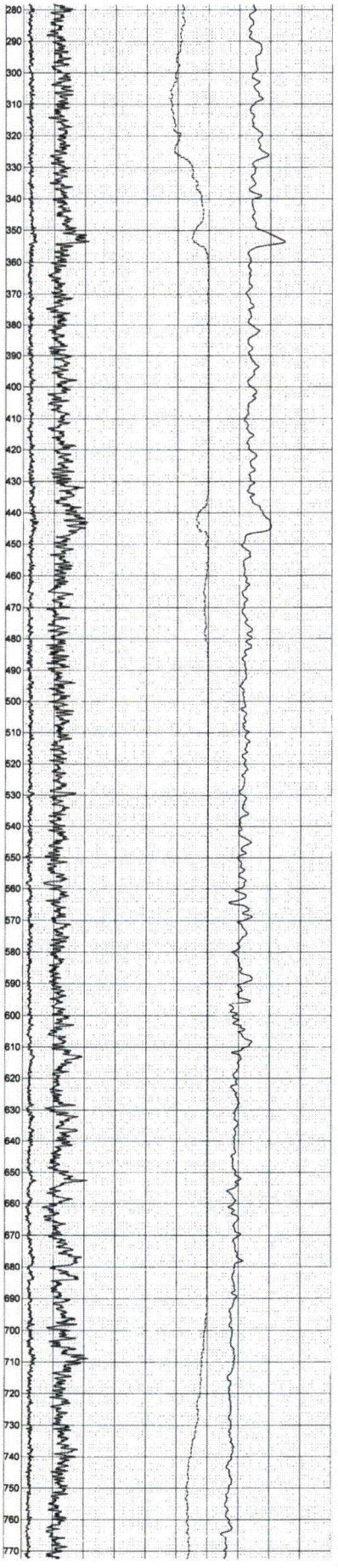
LOG M-1563

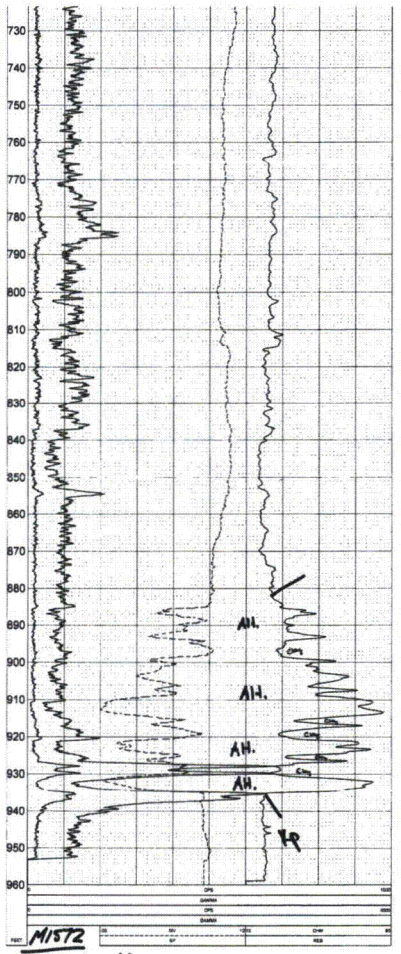
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AZM: 45.6°
DIST: 7.2'

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LOG M-1572

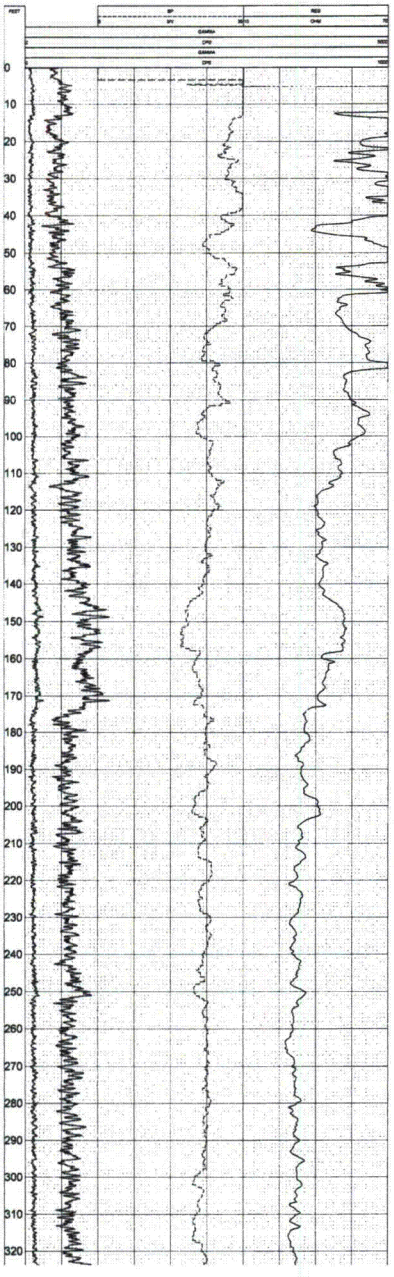
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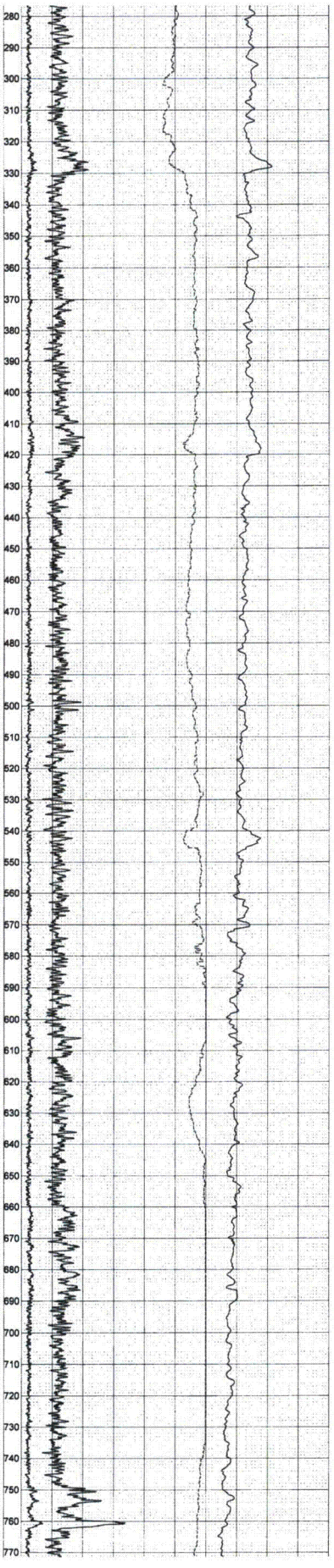
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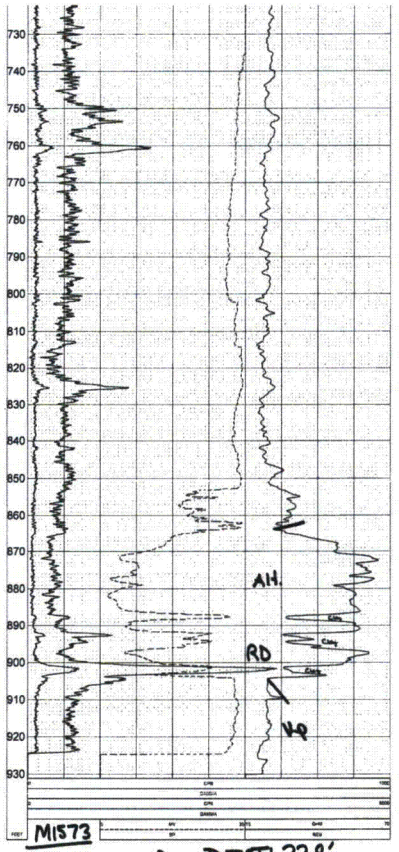
CROW BUTTE RESOURCES, INC.

M-1573 O

Furman ~200' E FROM M1556







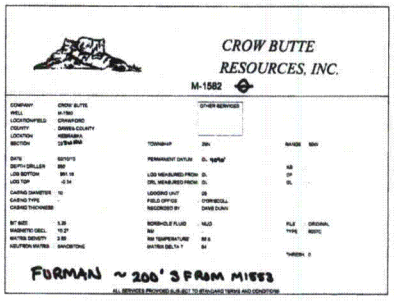
AZM: 200.1° DIST: 22.9'

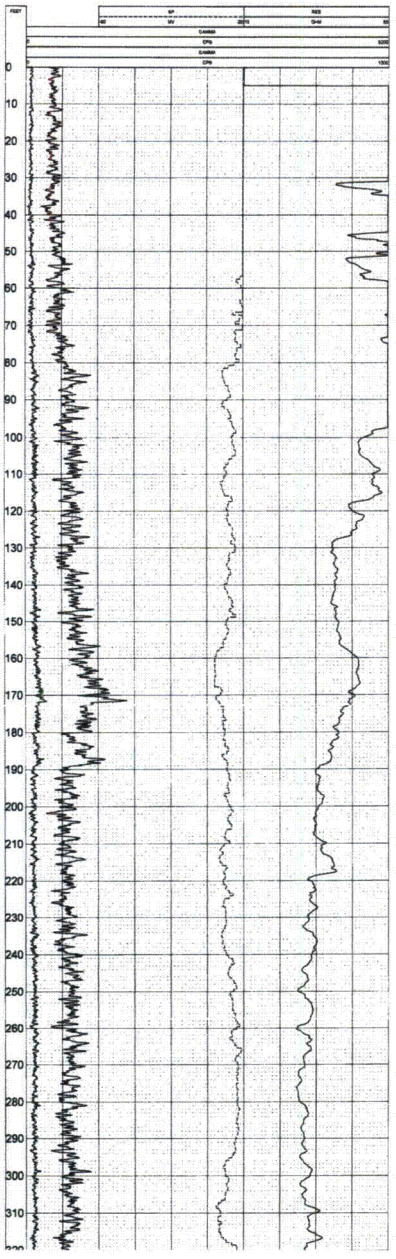
CROW BUTTE RESOURCES, INC.

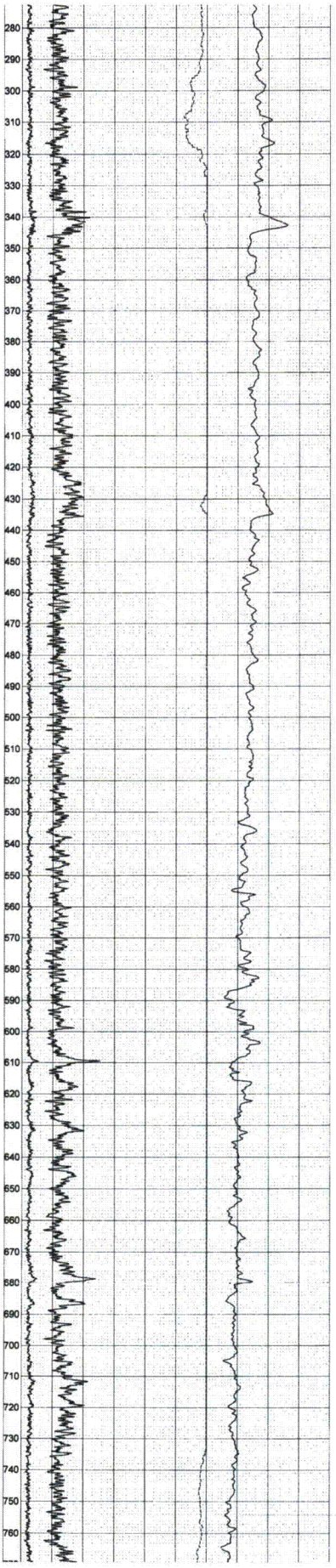
LOG M-1573

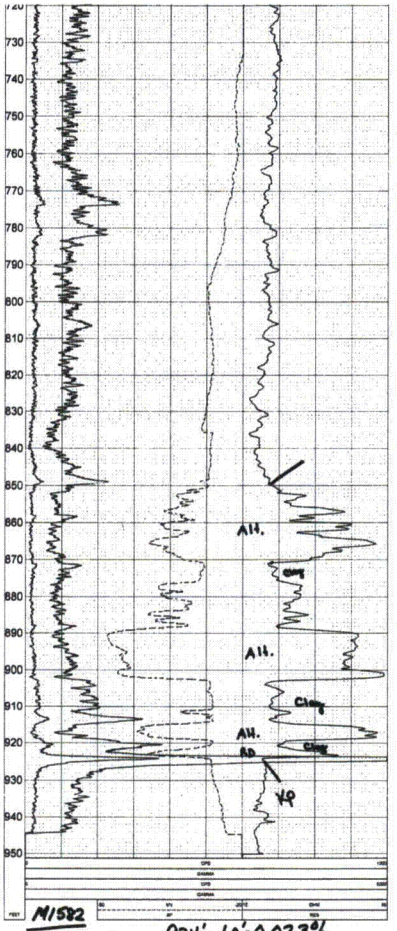
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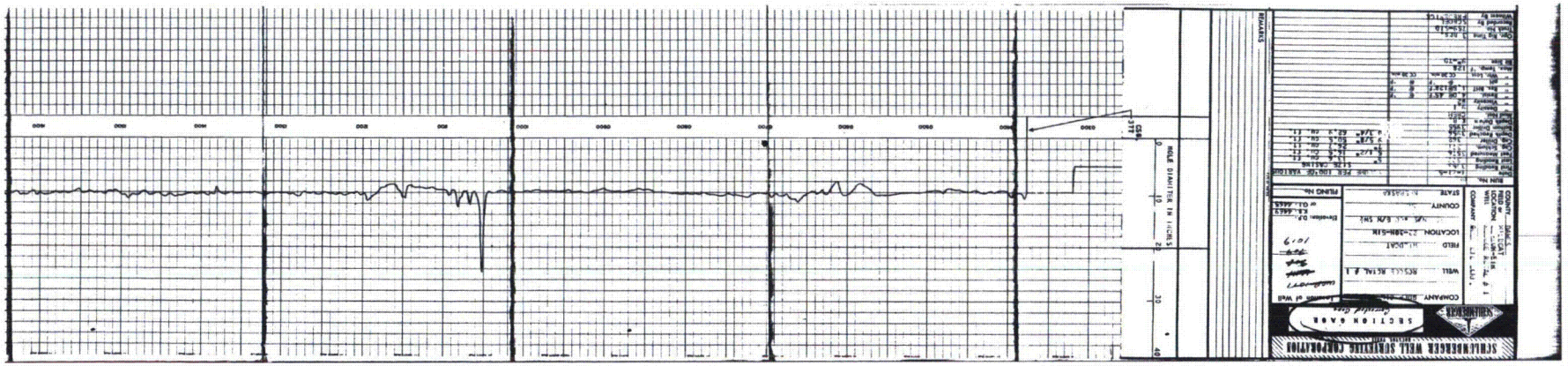


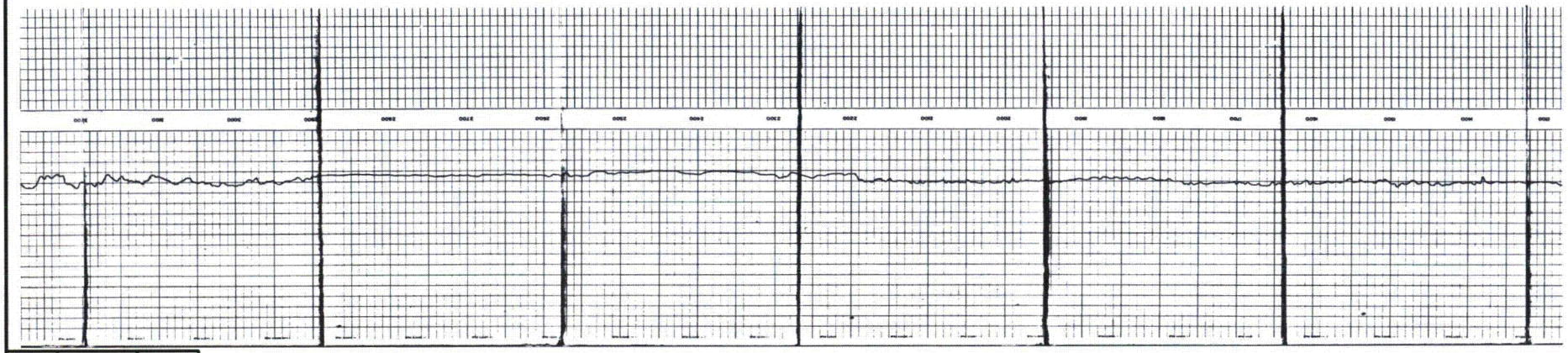
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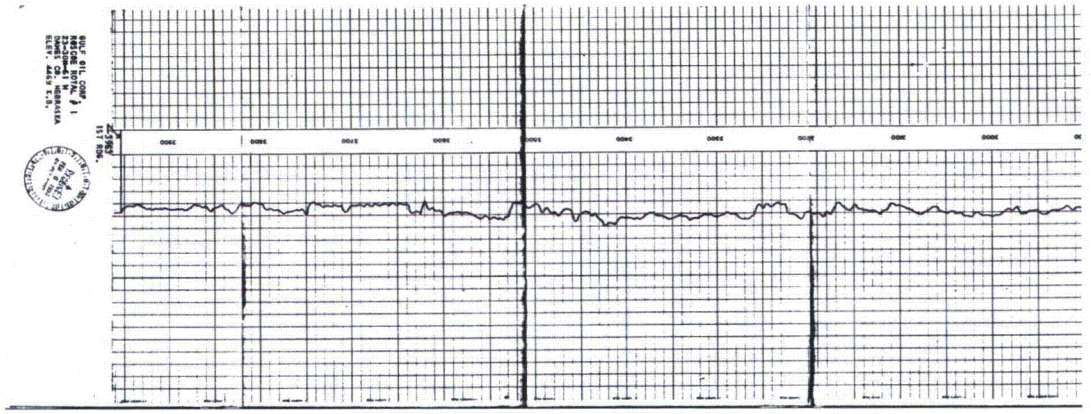
LOG M-1582

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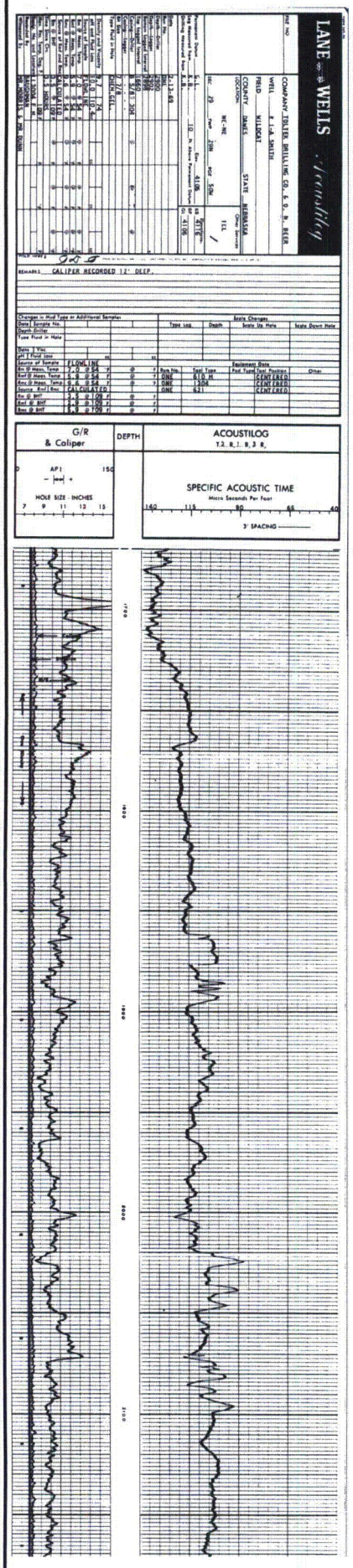


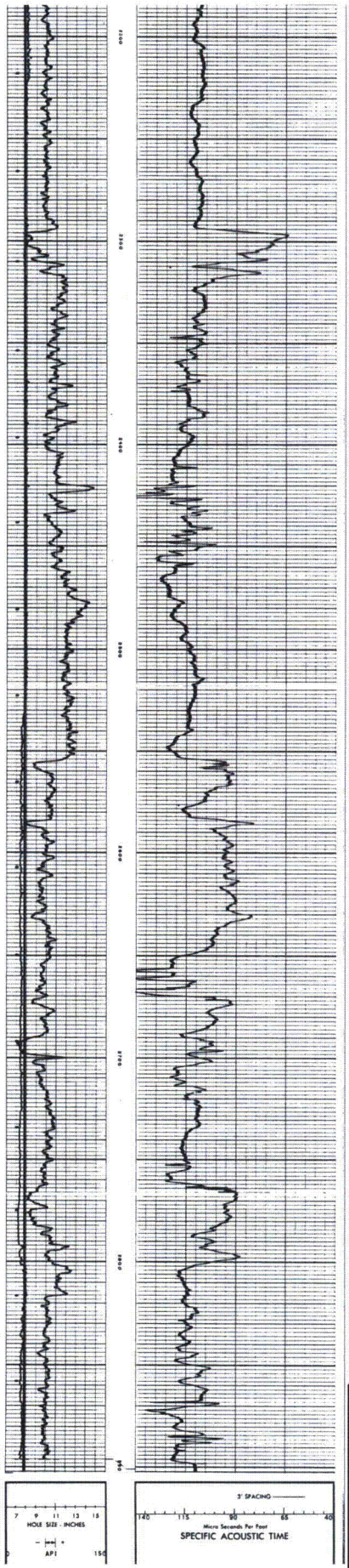


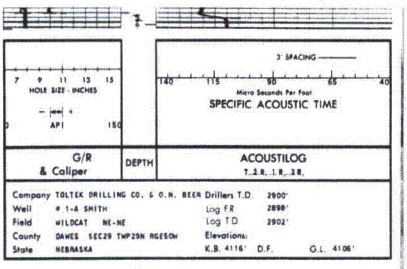
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ROYAL LOG

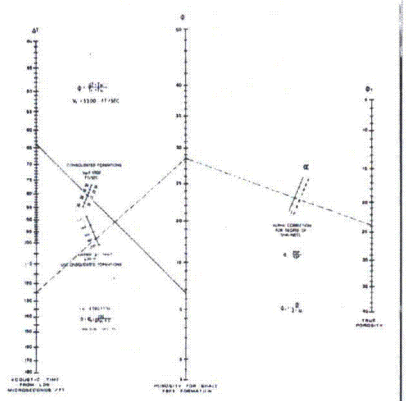
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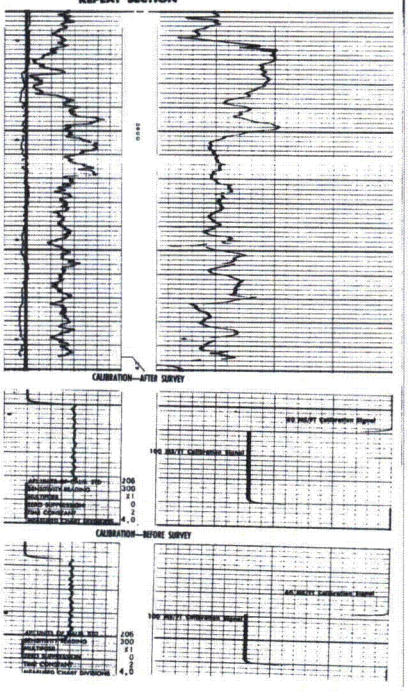




POROSITY DETERMINATION FROM ACOUSTILOG



REPEAT SECTION



CROW BUTTE RESOURCES, INC.

SMITH 1A LOG

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