DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
81-172
PLATE 3

Bendix **Field Engineering Corporation**
Grand Junction Operations
P.O. Box 1569
Grand Junction, CO 81502

Magnetic Susceptibility.
Conductivity

Date 10-29-80
Truck No. 1826
Operator Lambert/Pickering

COMPANY USGS
HOLE S-1 CLAIM
PROPERTY
AREA Mariano Lake
COUNTY McKinley STATE N.M.

LOCATION
SEC 29 TWP 16N RGE 14W

Other Services: KUT

Permanent Datum Ground Level Elev
Log Measured From GL . Ft Above Perm Datum
Drilling Measured From GL Elev

CASING RECORD

Size (OD/ID), Wgt	From	To
No Casing		

BOREHOLE RECORD

Bit Size	From	To
6¼"	0	475
4 7/8"	475	1075

Depth-Driller	1075	
Depth-Logger	1075	
Type Fluid in Hole	Mud	
Salinity ppm		
pH and Fluid Loss		
Density lb gal		
Fluid Level	15'	
[illegible]		
Rm @ Meas Temp		
Rmf @ Meas Temp		
Rmc @ Meas Temp		
BHT		

EQUIPMENT DATA

Probe Ser No. MS-Simplec Probe Diam 2 5/8"

NUCLEAR

Run No					
Log Type					
Detector					
Detector Size					
Source Type					
Source Strength					
Source Spacing					
Amp Gain					
Disc Level					
K Factor	Digital				
	Analog				
Deadtime	Digital				
	Analog				
Date Calib					
Casing Factor					

ELECTRICAL

Run No.				
Log Type				
Normal Spacing				
SP Reference				
SP Offset				
Bridle Length				

CALIPER

Run No				
Device Type				
Tool Position				
Minimum Span				
Maximum Span				

OTHER

Run No	1			
Log Type	MS, Conductivity			

Remarks Tool was 1'4" below top of hole when odometer showed tool zeroed.

TIME RECORD

	Rig	Standby
Start	0415	
End	0630	
Total	2.25 hrs.	

LOGGING DATA

Cart Type No	Cart Type Trk	Log Type	Depths From	Depths To	Footage Logged	Speed Ft/Min	Depth Scale	Sens Units/Div	Pen Zero Div L	Digital Time	Digital Intrl	Remarks
		Mag. Sus.	1075	6.5	1068.5	38	10'/In	300 μ CGS	4.4			Main Log
		Conductiv.	1075	6.5	1068.5	38	10'/In	20 mmhos/M	2.2			"
		Mag. Sus.	1075	970	105	38	10'/In	300 μ CGS	4.65			Repeat
		Conductiv.	1075	970	105	38	10'/In	20 mmhos/M	2.16			"

Total Footage Logged 2137

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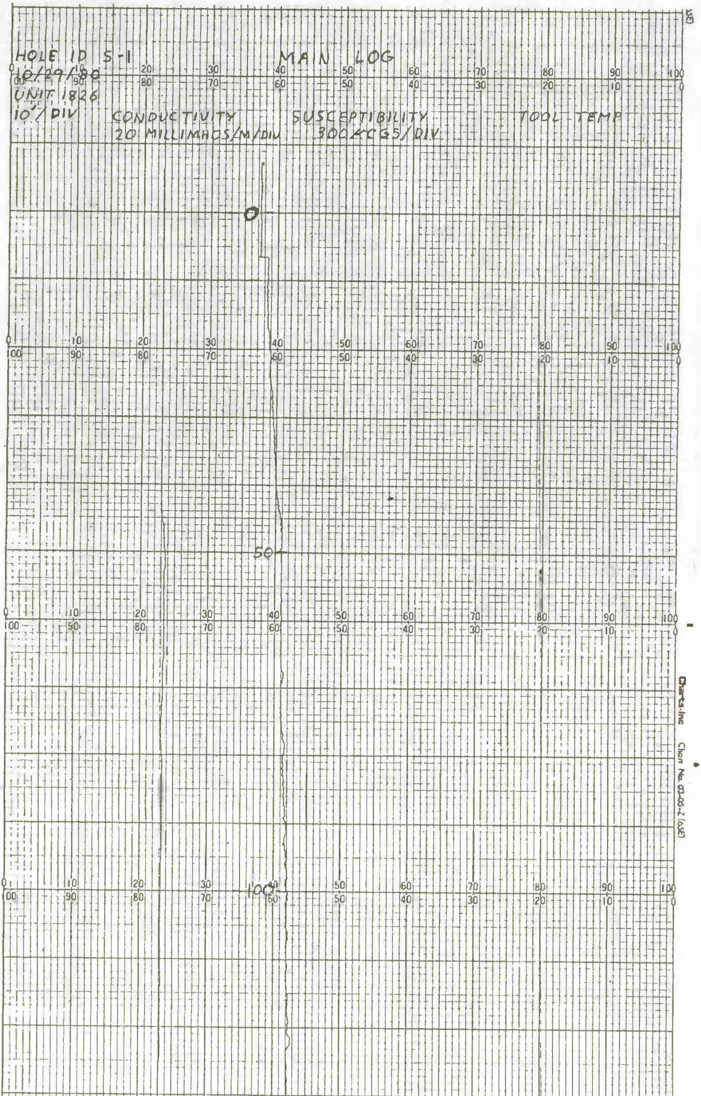
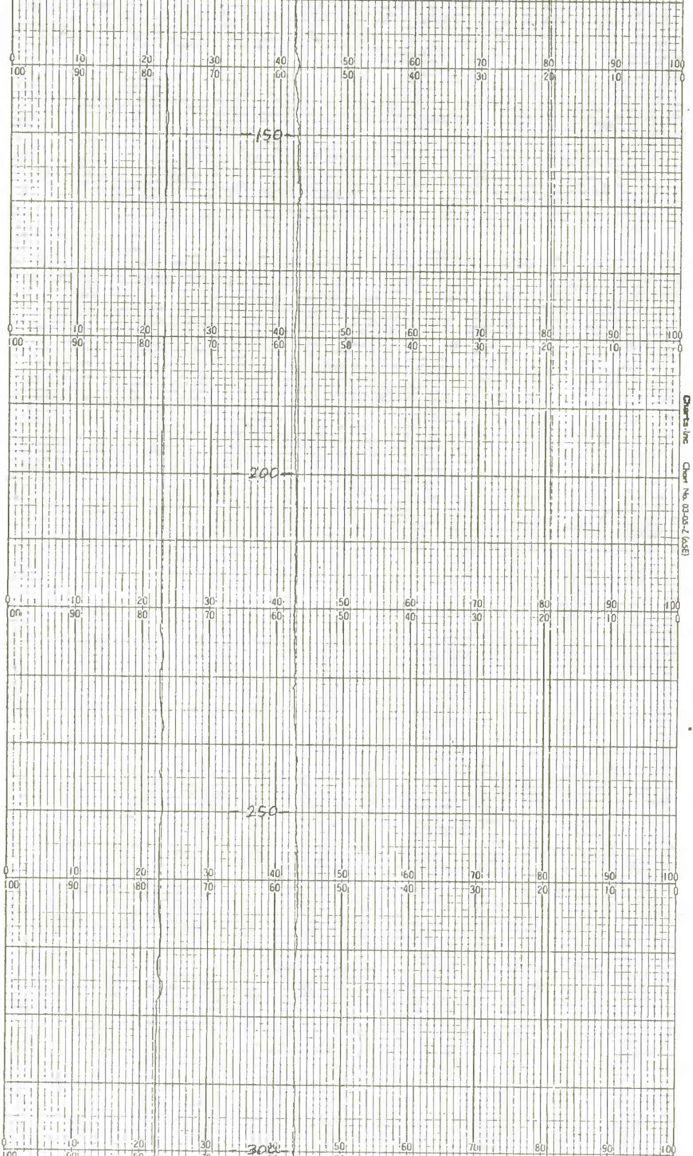
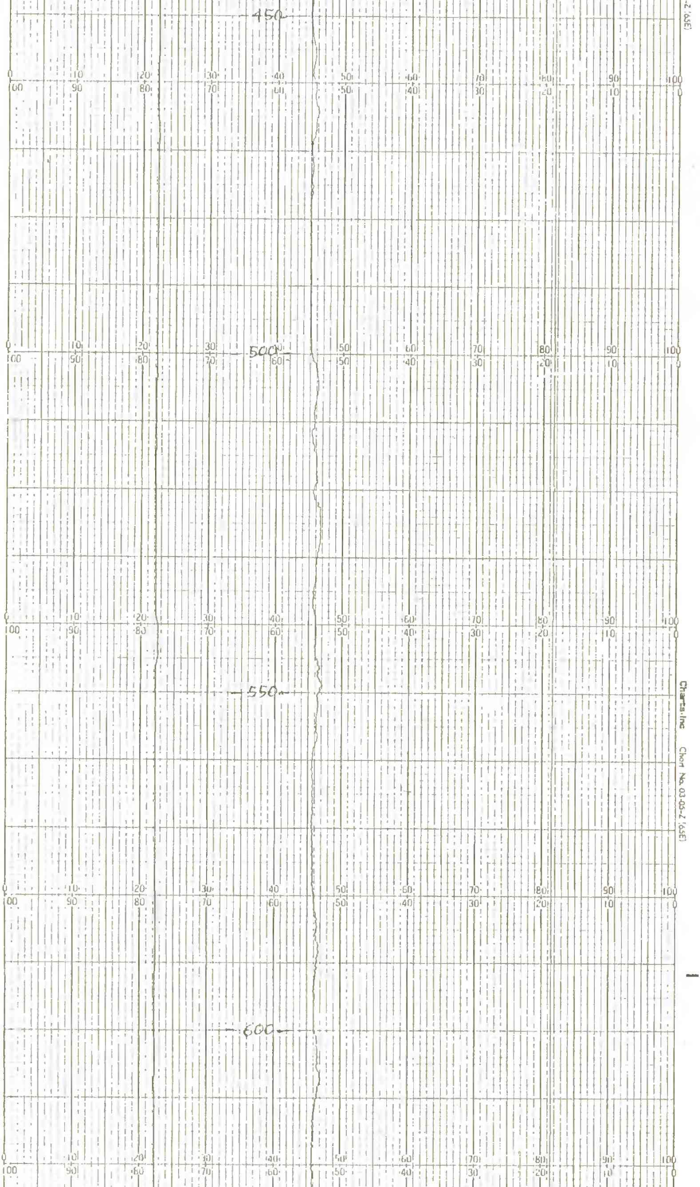
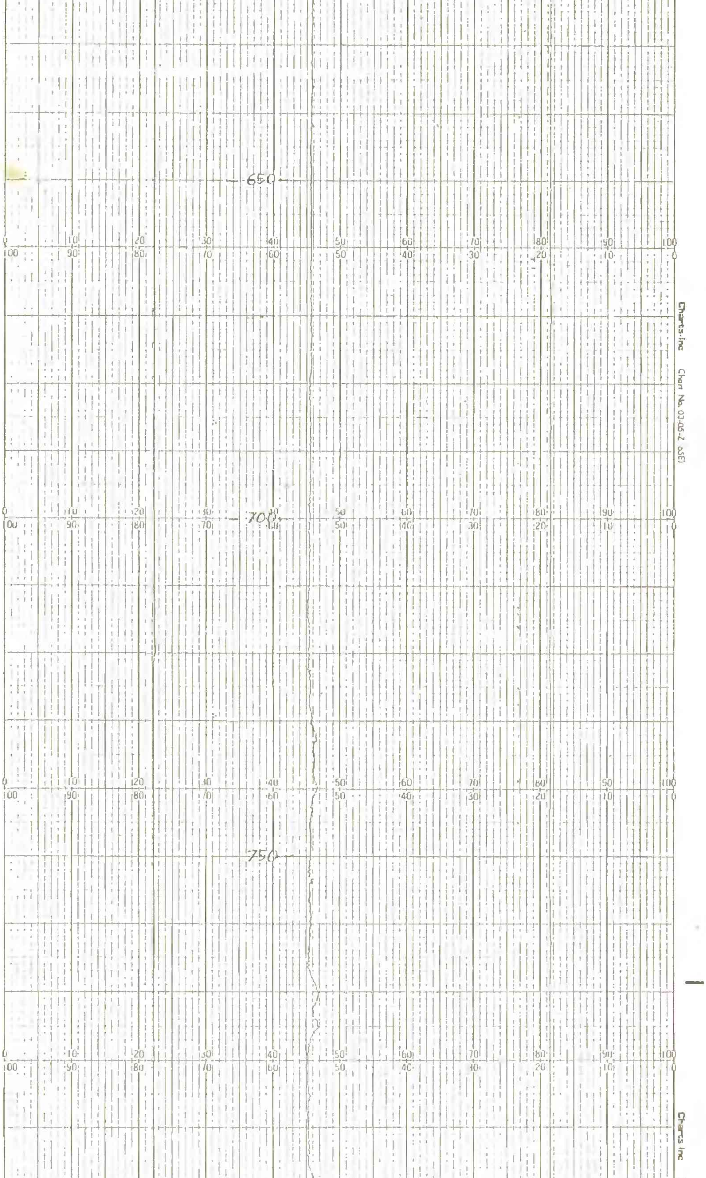
BFE 1186
Rev 9 20 78

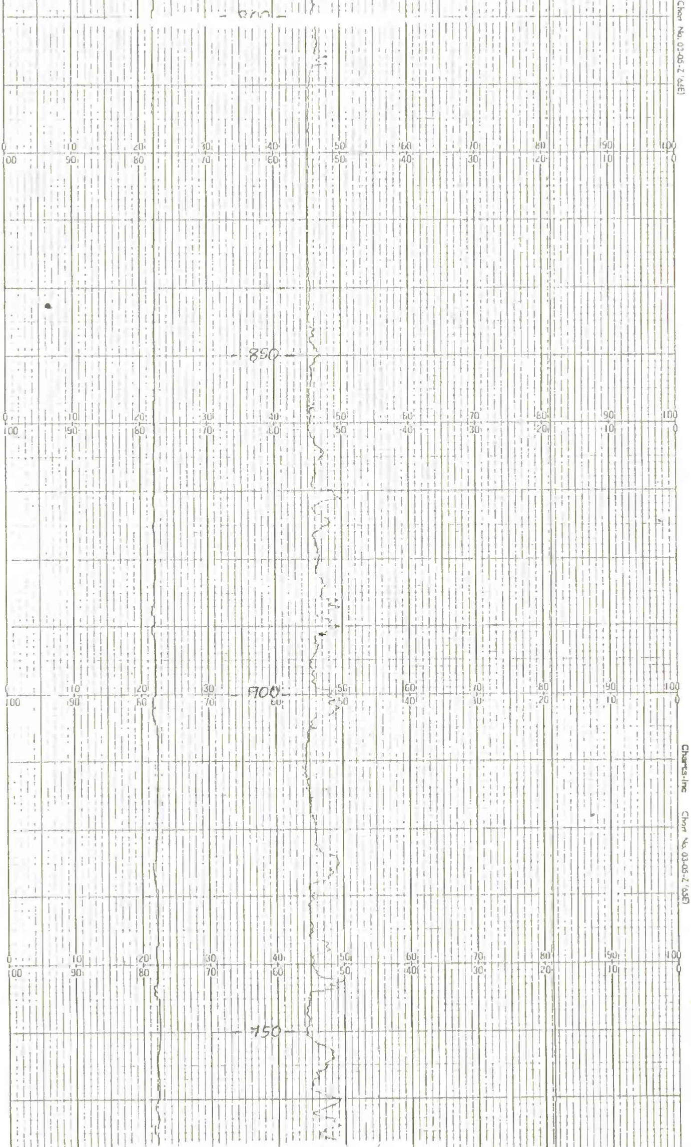


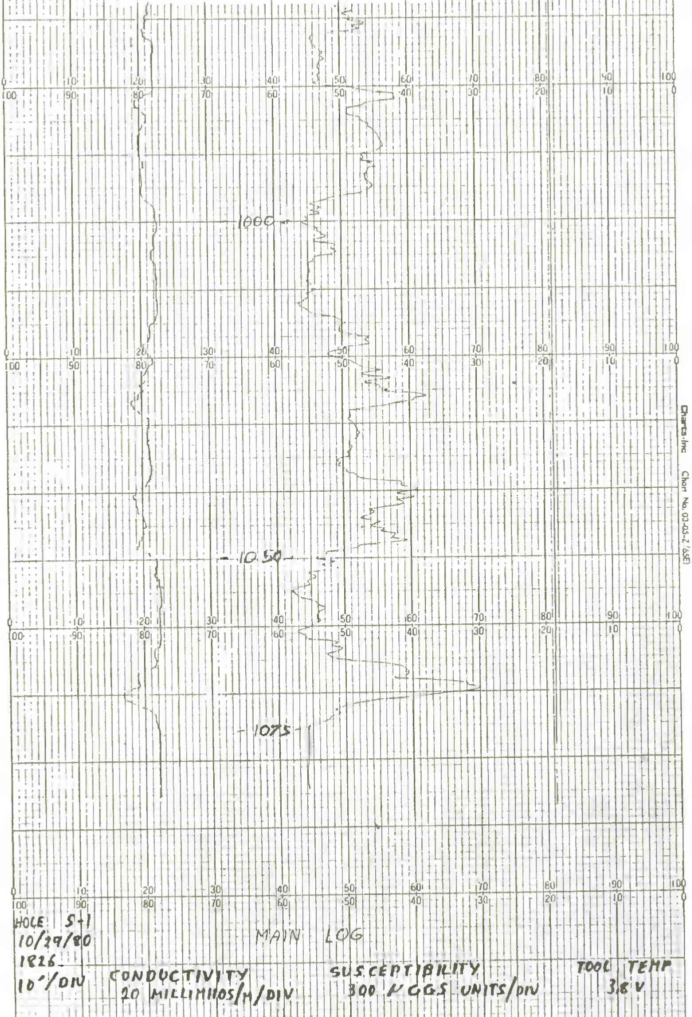
Charts Inc Chart No. 03-05-2 (65E)









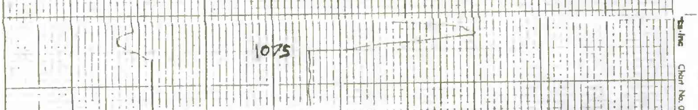
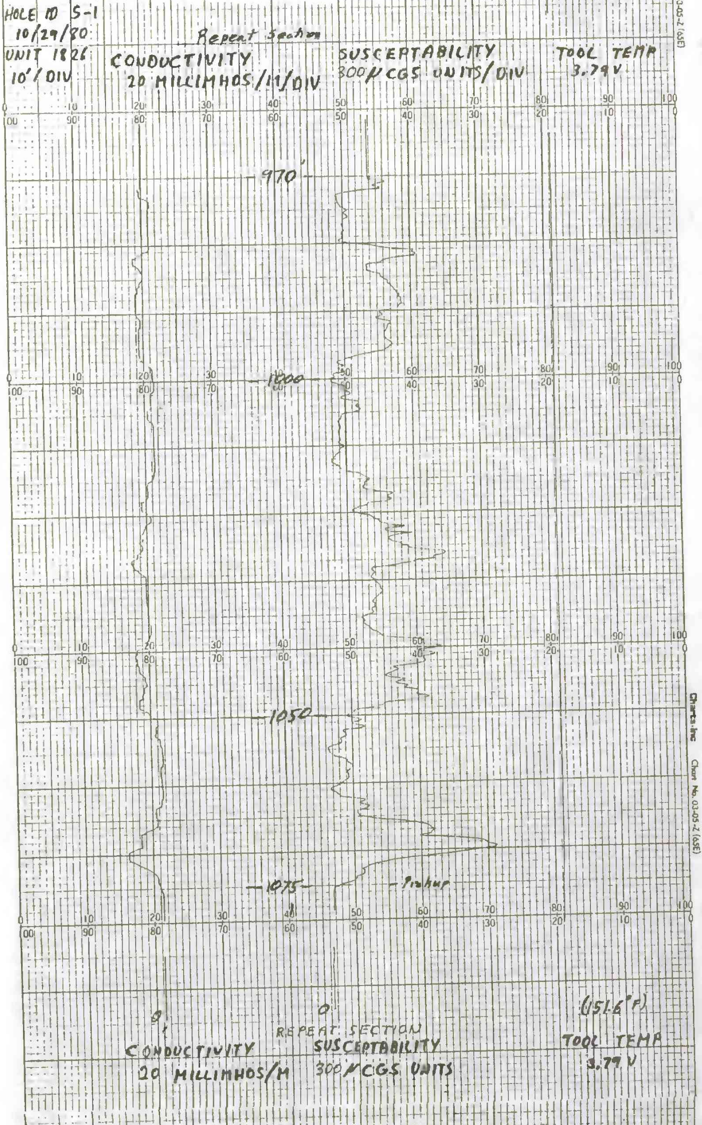
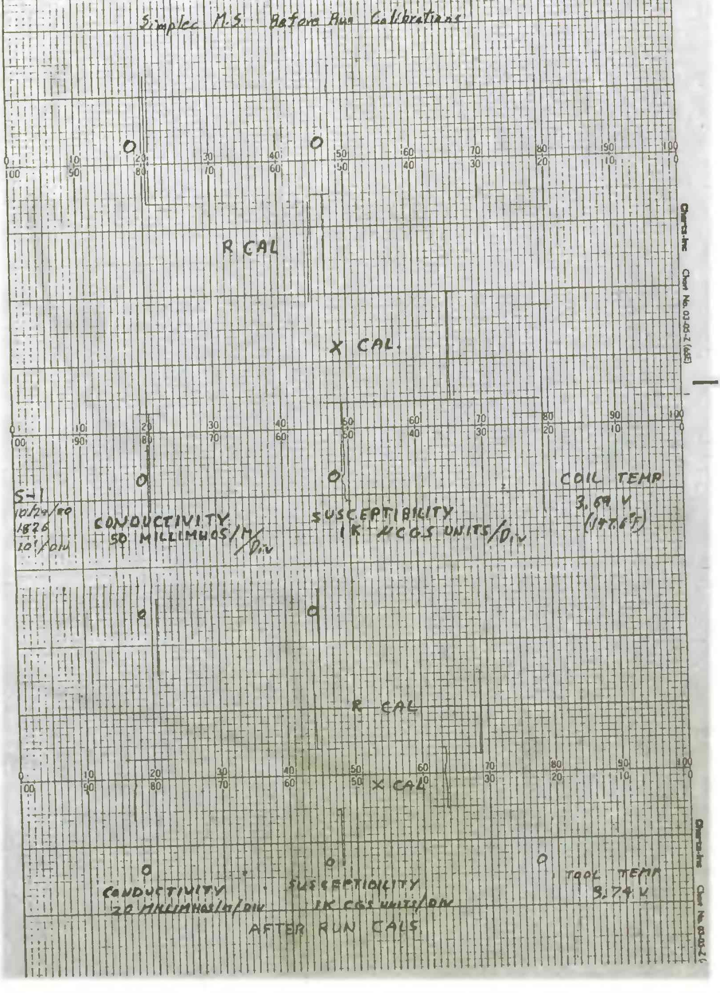


HOLE S-1
10/29/80
1826
10'/DIV

MAIN LOG

CONDUCTIVITY
20 MILLIMHOS/M/DIV

SUSCEPTIBILITY
300 μCGS UNITS/DIV

TOOL TEMP
3.6 V