Schlumberger

INDUCTION-ELECTRICAL LOG

COMPANY: MESSINA MINERALS LTD.
WELL: ROY HOLDER #1
FIELD:
COUNTY: LEBRON STATE: NEW MEXICO
LOCATION: Sec. Twp. Rge.
Other Services: CNL
Permanent Datum: G.L. Elevation 7000
Log Measured from: G.L. 6 Ft. Above Permanent Datum
Drilling Measured from: G.L.
Date: 1-8-82
Run Number: ONE
Depth-Driller: 2100
Depth-Logger: 2102
Bottom Log Interval: 2100
Top Log Interval: 1000
Casing-Driller: 8 5/8 @ 1000
Casing-Logger: 1000
Bit Size: 7 7/8
Type Fluid in Hole: LSND
Density: 9.1
Viscosity: 40
pH: 10
Fluid Loss: 8.0
Source of Sample: PIT
Rm @ Meas. Temp.: .8 @ 70°F
Rmf @ Meas. Temp.: .6 @ 70°F
Rmc @ Meas. Temp.: .4 @ 70°F
Source Rmf / Rmc: MEASURED / CALC.
Rm @ BHT: .6 @ 90°F
Rmf @ BHT: .4 @ 90°F
Rmc @ BHT: .3 @ 90°F
Max. Rec. Temp.: 90°F
Equipment Location: 7 MILES SOUTH OF LEBRON
Recorded by: J. ALBERTS
Witnessed by: MR. HOLDER

Circle one, filling in blanks where applicable:
☒ DIFL dual induction focused log used for DIFL
☐ DIFL/SFL single error corrected for borehole rugosity
☐ DIFL/SFL zero set in hole at depth of _____ feet

FIELD NOTE: The well name, location and borehole reference data were furnished by the customer.

REMARKS: 5.0. 2/20/82

Changes in Mud Type or Additional Samples

Date	Sample No.	Depth—Driller

Tape Fluid in Hole

Density: 1 Visc.
pH: 1 Fluid loss: ml
Source of Sample:
Rm @ Meas. Temp. @ °F
Rmf @ Meas. Temp. @ °F
Rmc @ Meas. Temp. @ °F
Source Rmf / Rmc
Rm @ BHT @ °F
Rmf @ BHT @ °F
Rmc @ BHT @ °F

Run No.: ONE
D.O.: 2064
S.O.: 1004
Equip. PANEL No.: 777-A 2-84
Used. CART. No.: 777-A 2-84
Used. CAB. No.: 777-A 2-84
CAB. No.: 777-A 2-84
S.S.: 4
GR CART. No.: —
T.C.: —
F.P.N.: 20

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Run No.	Tool Type	Tool Position	Other

Equipment Data

SPONTANEOUS-POTENTIAL
millivolts

CONDUCTIVITY
millimhos/m — 1000/ohm-m

DIFL
INDUCTION
0 — 2000

RESISTIVITY
-ohms, m²/m
hybrid 8
0 — 50
0 — 100

INDUCTION
0 — 50
0 — 100

10
-80

Bad 2.34 to 2.47

RE-RUN

AFTER SHOT

BEFORE SHOT