COMPANY THERMAL POWER CO.
WELL
FIELD DIXIE VALLEY
COUNTY CHURCHILL STATE NEVADA
LOCATION: 1 Sec 2 Twp 24E Rge 30E
Other Services: DUAL LATEROLOG

Permanent Datum: GROUND LEVEL — Elevation: 4000 — Elev.: K.B. 4000 — D.F. — G.L.
Log Measured From: KELLY BUSHING — 10 Ft. Above Perm. Datum
Drilling Measured From: KELLY BUSHING

Date: 10-15-82 — Run No.: ONE — Depth-Driller: 9900 — Depth-Logger: 9900 — Bottom Logged Interval: 9900 — Top Logged Interval: 3500 — Type Fluid in Hole: LIGNOSULFONATE — Salinity PPM Cl: 1500 — Density: 9.2 — Level: FULL

Casing #1: Size 9 5/8 — Wgt. 36 — Grade K-55 — Type: NEW — From: SURFACE — To: 3500
Casing #2: Size — Wgt. — Grade — Type — From — To
Casing #3: Size — Wgt. — Grade — Type — From — To
Type Log: COMPENSATED NEUTRON LOG

Schlumberger

COMPENSATED NEUTRON LOG

Field Print — File and Laser Scanned and Archived Records Were Made Followed by Film Processor

CHANGES IN AND TYPE OR ADDITIONAL EQUIPMENT CHANGES

Date	Type Log	Depth	Equipment Changed
None			

SOURCE OF SAMPLES
Rm @ Meas. Temp. — @ — °F — @ — °F
Rmf @ Meas. Temp. — @ — °F — @ — °F
Rmc @ Meas. Temp. — @ — °F — @ — °F
Source of Rmf — Rmc
Rm @ BHT — @ 200 °F

RM @ Meas. Temp. — @ — °F
RMF @ Meas. Temp. — @ — °F
RMC @ Meas. Temp. — @ — °F
Source of RMF — RMC
RM @ BHT — @ 200 °F
Time Since Circ. — 24 HRS.
Max. Rec. Temp. — 200 °F
Equip. Location — 3500
Recorded By — M. ROSS
Witnessed By — J. SMITH

LOGGING DATA

Run No.	Bore-Hole Record (Bit Size)	Bore-Hole Record (Casing Size)	Density Record	From	To
55-280	1st. @ 8½ 2nd. @ — 3rd. @ — 4th. @ —			3500	9900

DENSITY DATA

Matrix Density	2.71
Fluid Density	1.1
Porosity Exponent	2
Saturation Exponent	2
Lithology Factor	1.0
Hole Size Correction	8½
Mud Resistivity Correction	.1 @ 200 °F
Salinity of Mud Filtrate	1500 PPM
Bit Size	8½
Casing Fluid Density	1.1

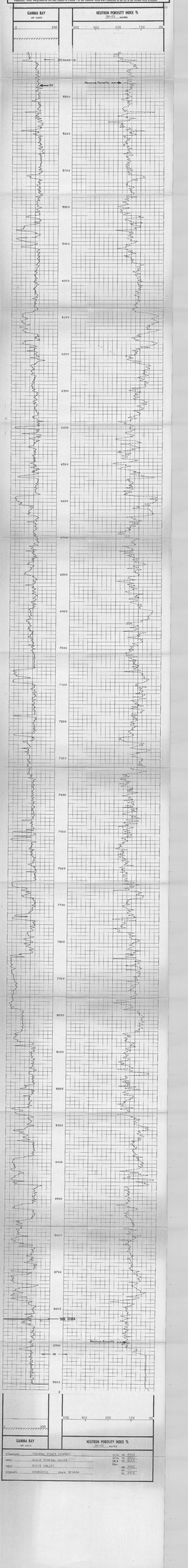
NEUTRON DATA

Matrix	LIMESTONE
Hole Correction	8½
Salinity Correction	1500
Lithology Correction	1.0
Mud Cake Correction	.1 @ 200 °F
Mud Filtrate Correction	.1 @ 200 °F
Pressure Correction	NONE
Temperature Correction	NONE

RUN NO. CASING SIZE

Run No.	Bit Size	Casing Size	Top Log Int.	Bottom Log Int.
ONE	8½	9 5/8	3500	9900

CALIBRATION DATA

Run No.	Source No.	CALL Before Log DATE	CALL After Log DATE
	API Units Background CPS	Long Spacing Short Spacing	Long Spacing Short Spacing
ONE	API UNITS	1188 2375	1188 2376
2			
3			
4			

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretations, and we shall not accept in the case of gross or willful negligence on our part be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 9 of our General Terms and Conditions as set out in current Price Schedules.