

SSC-645-1.D
COMPANY

Rm	@	°F	Rmf	@	°F	Rmc	@	°F	BHT	d
----	---	----	-----	---	----	-----	---	----	-----	---

Since all interpretations are opinions based on inferences from electrical or other measurements, we cannot and do not guarantee the accuracy of any interpretation, and shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our officers, agents, or employees.

Since all interpretations are opinions based on inferences from electrical or other measurements, we cannot and do not guarantee the accuracy of any interpretation, and shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our officers, agents, or employees.

COMPANY

WELL

FIELD

COUNTY

New Mexico

ANALYST

DATE _____

1-15-77

ϕ - Porosity
 $\phi_D, \phi_N, \phi_{ND}, \phi_{NA}, \phi_A, \phi_{sec}$
 R_t - True Resistivity
 C_f - Shale Correction factor
 ρ_B - Bulk Density
 Δt - Interval Transit Time
 HI - Hydrogen Index

ρ_g - Grain Density
 ρ_f - Fluid Density
 Δt_{mc} - Matrix Interval Transit Time
 Δt_f - Fluid Interval Transit Time
 m - Cementation Factor
 n - Saturation Exponent
 R_w - Connate Water Resistivity

S_w - Water Saturation %
 S_o - Oil Saturation %
 S_g - Gas Saturation %
 S_h - Hydrocarbon Saturation %
 ϕ (ft) - Porosity feet

RECEIVED
JAN 31 1977
OIL CON. COM.
DIST. 3

$$R_w = .12$$

M & N = 2.0

BIRDWELL



TABULATION OF DEVIATION TESTS

ENERGY RESERVES GROUP, INC.

Gallegos Canyon Unit No. 274

DEPTH

DEVIATION

1176'

1/4°

A F F I D A V I T

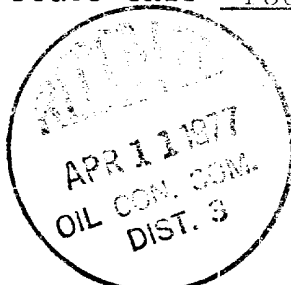
THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken on ENERGY RESERVES GROUP, INCORPORATED'S Gallegos Canyon Unit-Pictured Cliffs No. 274 located in the NWSESE Sec. 20-T28N-R12W, San Juan County, New Mexico.

Signed Dean B. Barnes
Dist. Production Engineer

THE STATE OF WYOMING))
COUNTY OF NATRONA) SS.

BEFORE ME, the undersigned authority, on this day personally appeared Dean B. Barnes known to me to be District Production Engineer for Energy Reserves Group, Inc. and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this Fourth day of April, 1977.



Jeanne Durance
Notary Public

My Commission Expires Jan. 12, 1980.

JEANNE DURANCE Notary Public
County of Natrona State of Wyoming
My Commission Expires