

SIMULANTOUS
COMPENSATED NEUTRON-
FORMATION DENSITY

Schlumberger

COMPANY **CHEVRON USA INC.** GLO 1583, 2
WELL **BOWAWA NO. 85-18**
FIELD **BOWAWA GEYSERS**
COUNTY **LANDER** STATE **NEVADA**
LOCATION **2960 S. SOUTH & 80 W. WEST FROM THE NORTH-EAST A. OF:**
OTHER SERVICES: D1 - 1ST DDC HD7
FIL HRT
18 31N 48E
Elev. K.B. 1920
G.I. 4920
DATE **7-28-80**
COUN. FIELD LOC. WELL

Permanent Datum	6.15	Elev. 1920
Log Measured from	K.B.	Elev. 1935
Log Measured from	K.B.	G.I. 4920
Date No.	7-28-80	
Depth - Top	4513	5927
Depth - Bottom	4542	5926
Run Log Interval	2935 @ 937	91.0 @ 2937
Bit Size	8.21"	
Type Fluid in Hole	GEL	8.21"
Depth - Fluid	9.2"	8.21"
Source of Sample	CIRCULATION	
Run @ Meas. Temp.	4.5 @ 92 F	2.43 @ 86 F
Run @ Meas. Temp.	2.43 @ 86 F	2.43 @ 86 F
Run @ Meas. Temp.	1.0 @ 84 F	1.0 @ 84 F
Run @ Meas. Temp.	0.80 @ 76 F	0.80 @ 76 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F
Log Measured from	1.07 @ 210 F	0.80 @ 210 F

REMARKS:
RUN TWO: PLATEAU CHECK
FCNL 1177 1213
NCNL 2558 2591
FFDC 477 434
NFDC 711 727
* PLAYED BACK WITH SANDSTONE MATRIX.

DEPTH	CNP	FDC	GR	ZERO DIV.	SCALE
2900	45-15	2.65	LIO	200	0.200
4100	45-15	2.65	WATER	165	0.150

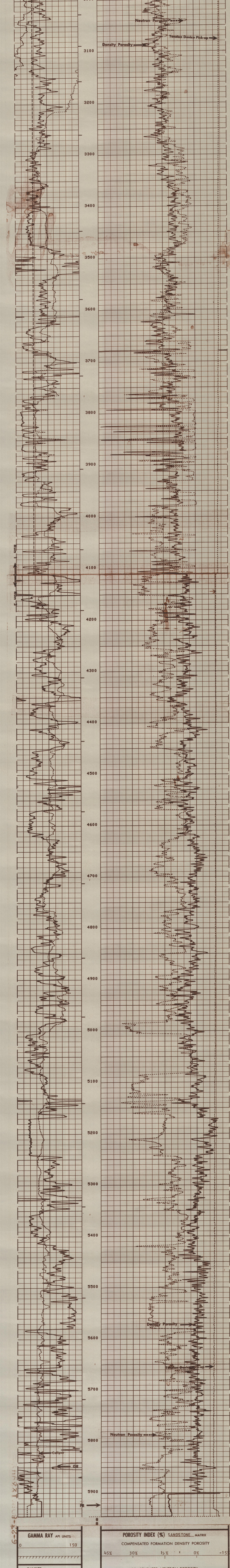
All interpretations are opinions based on information from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part. We shall not be liable or responsible for any loss, cost, damage or expense 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 4 of our General Terms and Conditions as set out in the Contract Form 3-50-80.

GR	BKG. CPS	55	39
	Source CPS	214	210
	Sens. Cal	REG	1.65
	I.C. Cal		CSU
Short Spacing - Before Log	RATIO	2584	
Long Spacing - Before Log	RATIO	1196	
Short Spacing - After Log	RATIO	2586	
Long Spacing - After Log	RATIO	1199	
P1 - Before Log		464	723
P2 - Before Log		849	430
P1 - After Log		462	723
P2 - After Log		815	432

DEPTH	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T.C. AUTO	Zero Div.	Scale
2900	45-15	SS-OH	AUTO	45-15	2.65	1.0	WATER	165	CSU	0	0.200
4100	45-15	SS-OH	CSU	45-15	2.65	1.0					

CALIPER	DIAM. IN INCHES	DEPTH
6"	16"	
GAMMA RAY	API UNITS	DEPTH
0	200	

POROSITY INDEX (% SANDSTONE MATRIX)	COMPENSATED FORMATION DENSITY POROSITY				
45	30	15	0	-15	
COMPENSATED NEUTRON POROSITY	45	30	15	0	-15



GAMMA RAY	API UNITS	DEPTH
0	150	
CALIPER	DIAM. IN INCHES	DEPTH
6"	16"	

POROSITY INDEX (% SANDSTONE MATRIX)	COMPENSATED FORMATION DENSITY POROSITY				
45	30	15	0	-15	
COMPENSATED NEUTRON POROSITY	45	30	15	0	-15