COUNTY	COLUMBIA
STATE	OREGON
COMPANY	AMERICAN QUASAR PETROLEUM CO.
WELL	QUASAR 29-14 CROWN ZELLERBACH
FIELD	WILDCAT
LOCATION	2310' FSL & 2310' FEL
SEC. 29	TWP. 6N	RGE. 1W
Permanent Datum	GL	Elev. 0
Log Measured From	KB	16.5 Above Perm. Datum
Drilling Measured From	KB	
Date	JUNE 13 1980
Run No.	ONE
Depth-Driller	2865
Depth-Logger	2863
Bottom Log Interval	2860
Top Log Interval	500
Casing-Driller	9 5/8 @ 500
Casing-Logger	NONE
Bit Size	8 3/4
Type Fluid in Hole	LIGNOSAN
Dens.	9.0
Visc.	40
Pm	8.5
Pf/Mf	0.1/1.4
Chl	1500
Fluid Loss	8.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	.75 @ 75°
Rmf @ Meas. Temp.	.60 @ 75°
Rmc @ Meas. Temp.	.90 @ 75°
Source: Rmf	Rmc	MEASURED	MEASURED
Rm @ BHT	.35 @ 150°
Time Since Circ.	6 HRS.
Max. Rec. Temp.	150°
Equip. Location	97	CORVALLIS
Recorded By	R. HAYES
Witnessed By	MR. BRUCE

Schlumberger

SCHLUMBERGER

COMPENSATED NEUTRON FORMATION DENSITY

COMPANY AMERICAN QUASAR PETROLEUM CO. WELL QUASAR 29-14 CROWN ZELLERBACH FIELD WILDCAT COUNTY COLUMBIA STATE OREGON

LOCATION: 2310' FSL & 2310' FEL SEC. 29 TWP. 6N RGE. 1W

Other Services: DIL-SFL, CDL-CNL

Permanent Datum: GL Elev. 0 Log Measured From: KB 16.5 Above Perm. Datum Drilling Measured From: KB

Date: JUNE 13 1980 Run No. ONE Depth-Driller: 2865 Depth-Logger: 2863 Bottom Log Interval: 2860 Top Log Interval: 500 Casing-Driller: 9 5/8 @ 500 Casing-Logger: NONE Bit Size: 8 3/4 Type Fluid in Hole: LIGNOSAN Dens.: 9.0 Visc.: 40 Pm: 8.5 Pf/Mf: 0.1/1.4 Chl: 1500 Fluid Loss: 8.0 Source of Sample: FLOWLINE Rm @ Meas. Temp.: .75 @ 75° Rmf @ Meas. Temp.: .60 @ 75° Rmc @ Meas. Temp.: .90 @ 75° Source: Rmf | Rmc: MEASURED | MEASURED Rm @ BHT: .35 @ 150° Time Since Circ.: 6 HRS. Max. Rec. Temp.: 150° Equip. Location: 97 CORVALLIS Recorded By: R. HAYES Witnessed By: MR. BRUCE

This well name, location and borehole reference data were furnished by the customer.

RUN NO.	ONE
Serial Number No.	1811
Hole Size	7 7/8"
Density, PEM CL	--
Speed, FPM	10
EQUIPMENT DATA	
Dens. Panel	652
Dens. Gain	1.00
Dens. Shift	255
Dens. Sensitivity	525
Dens. Source	6150
Dens. Calibrator	1247
Neut. Panel	--
Neut. Gain	1.00
Neut. Shift	1398
Neut. Sensitivity	1000
Neut. Calibrator	1092
GR Gain	1.172
Memorizer Period	--
Tape Density, BPI	--
Tape Encoder, CPS	--
Pressure Wheel (CPM)	--
Centralizer	Type --
Stick Gamma	Type --
Stick Neut.	Type --
Arm or Hole, D.O. Inches	--
CALIBRATION DATA	
GR	Before Log	81
	Shop (TR)	333
	Zero - Cal	--
	I.C. - Cal	--
Short Spacing - Before Log	2208
Short Spacing - After Log	1183
Long Spacing - Before Log	--
Long Spacing - After Log	--
Density - Before Log	578
Density - After Log	804
Neut. Log	--
Neut. After Log	--

Top	Bottom	Porosity Scale	Matrix	Auto Cor. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	Cal.	Cal. Scale	Cal. Shift
LOGGING DATA												
DEPTH		Cor		TOC				GR				
500	2865	60-0	SS-LM	AUTO	60-0	2.65	1.00	LIG	150	AUTO	8	150

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 interpretation, and we shall not 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 our General Terms and Conditions set forth in our current price bulletin.

CALIBRATION DATA

CALIPER (DIAM. IN INCHES)	6" – 16"
GAMMA RAY (API UNITS)	0 – 150

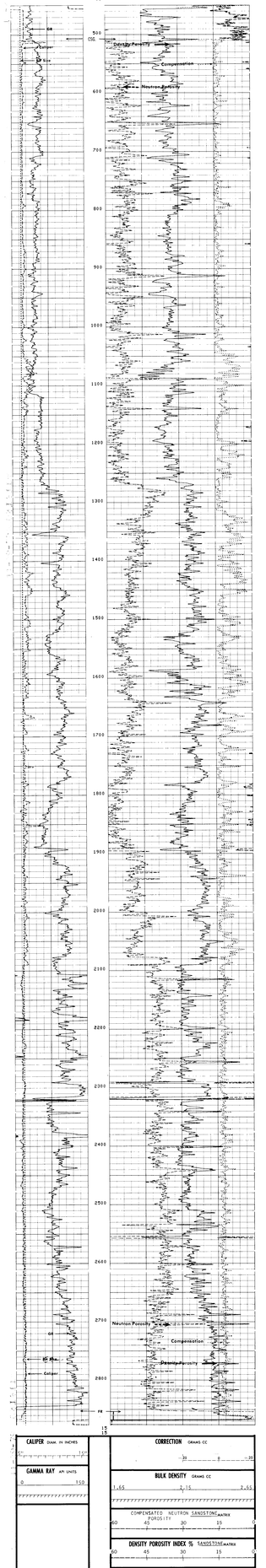
POROSITY INDEX % (SANDSTONE – MATRIX)

COMPENSATED FORMATION DENSITY POROSITY

COMPENSATED NEUTRON POROSITY

CORRECTION (GRAMS CC)

BULK DENSITY (GRAMS CC)



CALIPER (DIAM. IN INCHES)	6" – 16"
GAMMA RAY (API UNITS)	0 – 150

CORRECTION (GRAMS CC)

BULK DENSITY (GRAMS CC)

COMPENSATED NEUTRON POROSITY (SANDSTONE MATRIX)

DENSITY POROSITY INDEX % (SANDSTONE MATRIX)

COMPANY AMERICAN QUASAR PETROLEUM COMPANY

WELL QUASAR 29-14 CROWN ZELLERBACH

FIELD WILDCAT

COUNTY COLUMBIA STATE OREGON

SCHL FR 2865
SCHL TO 500
DRLR TO 2865
ENG KB 16.5
GL
DF
GL 966.9