Watzek 30-1

SURFACE HOLE

Welex

INDUCTION VELOCITY LOG

COMPANY QUINTANA PETROLEUM CORP.

WELL WATZEK ET AL # 30-1

FIELD KESPER SCHOOL AREA

COUNTY CLATSOP STATE OREGON

Location 1269' S. & 3935' W OF NE CORNER

Other Services: NONE

Sec. 30 Twp. 6N Rge. 6W

Permanent Datum G.L. Elev. 870.7

Log Measured From T.K.B. 13.6 Ft. Above Perm. Datum

Drilling Measured From T.K.B.

Elev.: K.B. 884.3 D.F. G.L. 870.7

Date	10-26-80		
Run No.	ONE		
Depth—Driller	843		
Depth—Welex	824		
Btm. Log Inter.	822		
Top Log Inter.	50		
Casing—Driller	16 @ 36	@	@
Casing—Welex	36		
Bit Size	13¾		
Type Fluid in Hole	WATER & GEL MUD		
Dens. | Visc.	8.7 | 45	|	|
pH | Fluid Loss	9.0 | 11 ml	| ml	| ml
Source of Sample	CIRCULATED		
R_m @ Meas. Temp.	6.5 @ 48 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	5.2 @ 47 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	6.8 @ 47 °F	@ °F	@ °F
Source R_{mf} R_{mc}	MEASURED	|	|
R_m @ BHT	N/A @ °F	@ °F	@ °F
Time Since Circ.	4 HR.		
Max. Rec. Temp.	N/A °F @ T.D	°F @	°F @
Equip. | Location	2816 WOLD	|	|
Recorded By	ANDERSON		
Witnessed By	MR SANDERS		

Fold Here

Service Ticket No. Remarks:

Change in Mud Type or Additional Samples

Date | Sample No.			
Depth—Driller			
Type Fluid in Hole			
Dens. | Visc.	|	|	
ph | Fluid Loss	| ml	|	
Source of Sample			
R_m @ Meas. Temp.	@ °F	@ °F	
R_{mf} @ Meas. Temp.	@ °F	@ °F	
R_{mc} @ Meas. Temp.	@ °F	@ °F	
Source: R_{mf} | R_{mc}	|	|	
R_m @ BHT	4.15 @ 75 °F	@ °F	
R_{mf} BHT	3.25 @ 75 °F	@ °F	
R_{mc} BHT	4.26 @ 75 °F	@ °F	

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

Run No.	Tool Type and No.	Pad Type	Tool Position	Other
ONE	IND 24406		CENT	
	AUX 29270		CENT	

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or wilful misconduct, for any loss, damages, or expenses resulting from the use thereof.

POTENTIAL MILLIVOLTS

—→ 10 ←— +

Rmf_____ at _____ °F.

Gamma

RESISTIVITY OHMS M2/M

0 Short Guard 30

0 300

0 AMP GUARD 6

0 Induction 30

0 300

1000 Conductivity 0

2000 1000

100 200 300 400 500 600 700 800

S.P.

GUARD

DEEP

COND

IVL H-ST-116