01672916

CONFIDENTIAL

FINAL PRINT

Schlumberger

BHC SONIC - GR - ITT - CALI

COMPANY	UNION PACIFIC RESOURCES COMPANY
WELL	#1 TUTTLE 33-35
FIELD	KELLER PROSPECT
COUNTY	KIOWA
STATE	COLORADO

RECEIVED NOV 18 1991 COLO. OIL & GAS CONS. COMM.

COUNTY	KIOWA
FIELD	KELLER PROSPECT
LOCATION	NW SE
WELL	#1 TUTTLE 33-35
COMPANY	UNION PACIFIC RESOURCES COMPANY

LOCATION				
API SERIAL NO. 05061662 1	SECT. 35	TWP. 17 S	RANGE 47 W	
NW SE 1980' FSL & 1980' FEL				

Other Services: DIL/SFL LDT/CNL BHC SONIC LOGNET ARCHIVE FMS

Permanent Datum	GROUND LEVEL	Elev.	3967.0 F
Log Measured From	KELLY BUSHING	10.0 F	above Perm. Datum
Drilling Measured From	KELLY BUSHING		

Elev.: K.B. 4007.0 F D.F. 4006.0 F G.L. 3957.0 F

Date	13 NOV 1991				
Run No.	ONE				
Depth Driller	5484.0 F				
Depth Logger (Schl.)	5493.0 F				
Btm. Log Interval	5478.0 F				
Top Log Interval	4910.0 F				
Casing-Driller	8 5/8 24# @485.0 F			@	
Casing-Logger	4910.0 F				
Bit Size	7 7/8				
Type Fluid in Hole	CHEMICAL DMSPAC				
Dens. / Visc.	9.40 LB/G	80.0 S			
pH / Fluid Loss	11.0	7.2 C3			
Source of Sample	MUD PIT				
Rm @ Meas. Temp.	.788 OHMM	@ 75.0 DEGF			
Rmf @ Meas. Temp.	.529 OHMM	@ 75.0 DEGF			
Rmc @ Meas. Temp.	.182 OHMM	@ 75.0 DEGF			
Source: Rmf / Rmc	PRESS	CALC			
Rm @ BHT	.395 OHMM	@ 136 DEGF		@	
Circulation Ended TIME	11:00 11/13				
Logger on Bottom	SEE LOGS				
Max. Rec. Temp.	136. DEGF				
Equip. Location	8368 FT. MORGAN, COL				
Recorded By	MARK E JOHNSON				
Witnessed By	LARRY BOUCHER				

Light Hole

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

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, except 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 interpretations 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 our current Price Schedule.

Run No.	ONE	
Service Order No.	563084	
Drilling Fluid Level	0.0 F	
Salinity	5800.0 PPM	
Rmf @ BHT	.303 OHMM @ 136. DEGF	
Rmc @ BHT	.104 OHMM @ 136. DEGF	@
Logging Speed	3600.0 F/HR	
EQUIPMENT DATA		
Tool Number 1	MCD B 1517	
Tool Number 2	SLS WA 1085	
Tool Number 3	SLC MA 138	
Tool Number 4	SGC JC 2218	
Tool Number 5	SGD TAB 426	
Tool Number 6	IEM BD 1133	
Tool Number 7	NLM BC 1376	
Tool Number 8	SLM DA 1358	
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

REMARKS:

CHEYENNE RIG #5

CREW: FOLKEDAHL & CANALES

MCD/SLTL/GR RUN IN COMBO

DTM = 55 OVER THE MORROW SAND

DTM = 47.6 RUN OVER REST OF INTERVAL

TWO CMEZ RAN TO CENTRALIZE TOOL

MCD B USED TO CENTRALIZE TOOL

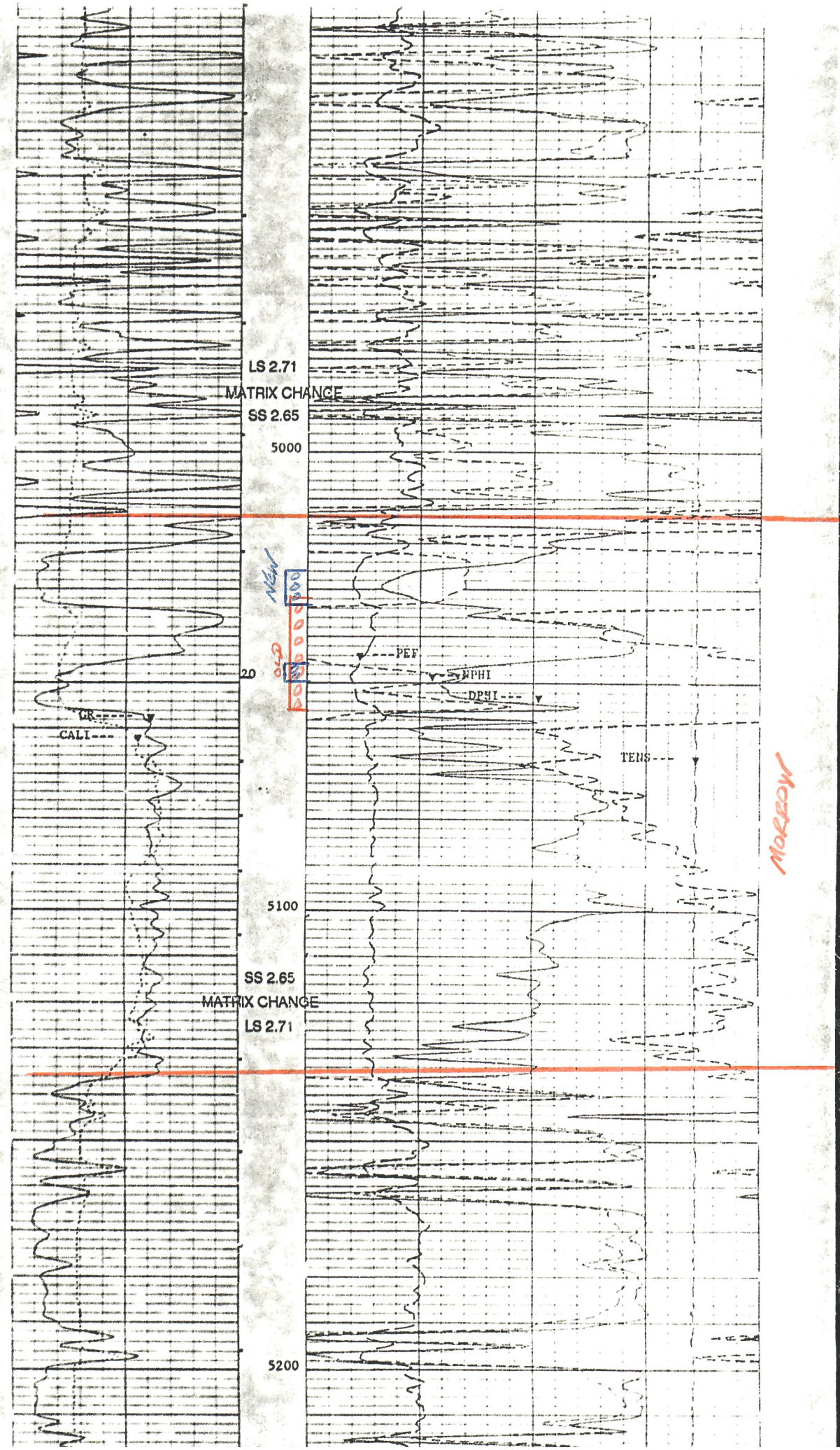
NO CSG CHECK DUE TO FLUID LEVEL @580

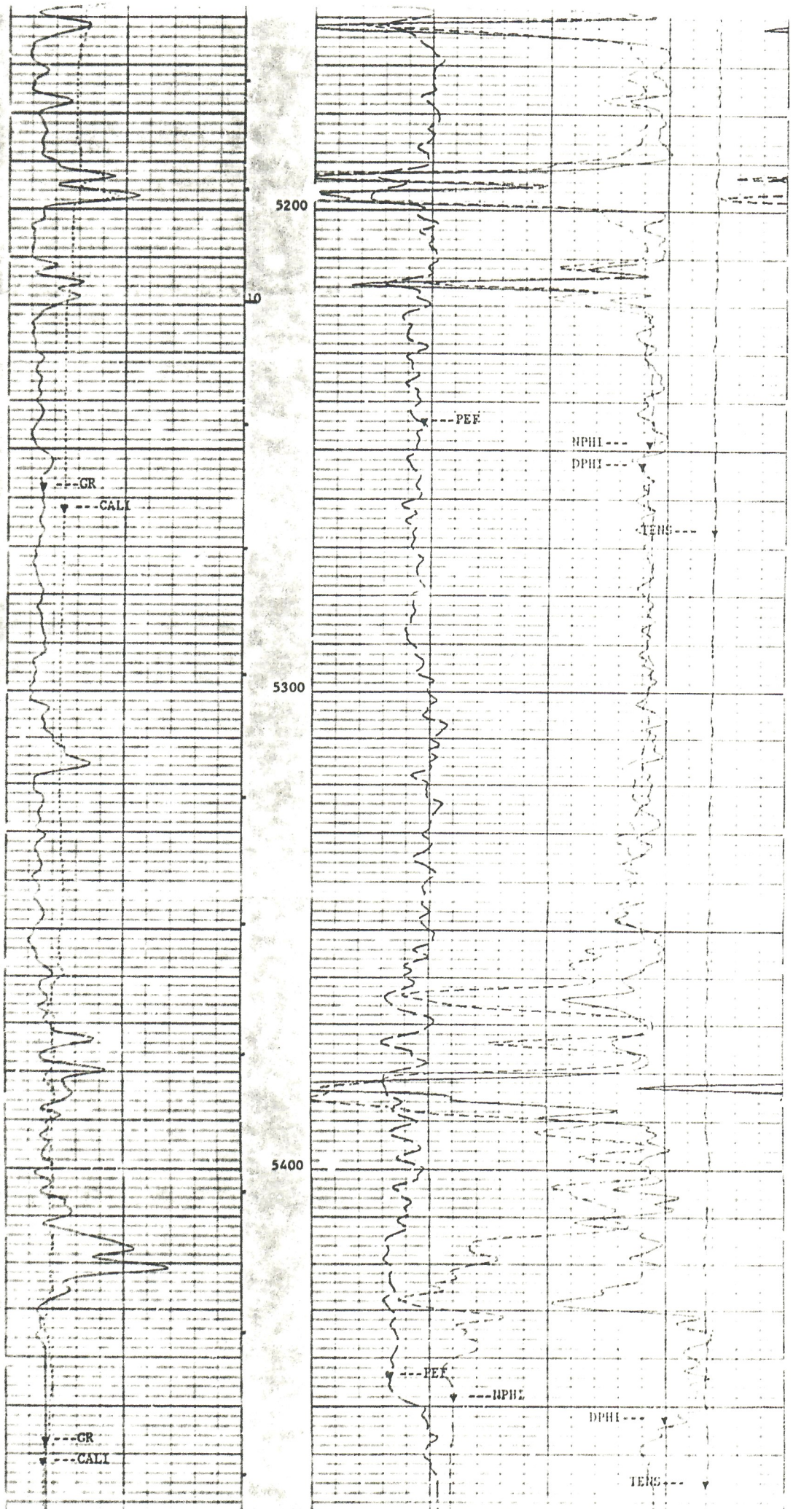
ACCUMULATED INTEGRATION VALUES SUMMARY:

IHV: 2331.93 F3 FROM 5493.00 F TO 488.500 F
ITT: .449635 S FROM 5496.00 F TO 488.500 F

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE


LS 2.71
MATRIX CHANGE
SS 2.65
5000
NEW
OLD
20
PEF
NPHI
DPHI
GR
CALI
TENS
MORROW
5100
SS 2.65
MATRIX CHANGE
LS 2.71
5200


5200
10
GR
CALI
PEF
NPHI
DPHI
TEMS
5300
5400
PEF
NPHI
DPHI
GR
CALI
TEMS