Schlumberger

DUAL SPACING THERMAL NEUTRON DECAY TIME

DATES	
MAR.	07 1990
RUN	ONE
TIME	10:00 AM
DEPTH DRILLER	1,320 FT.
DEPTH LOGGER	1,316 FT.
BTM. LOG INTERVAL	1,312 FT.
TOP LOG INTERVAL	SURFACE
CASING DRILLER	8 5/8 @ 23 FT.
CASING LOGGER	23 FT.
BIT SIZE	7 7/8 IN.
TYPE FLUID IN HOLE	WATER
DENSITY	N/A LB/GAL
VISCOSITY	N/A S
PH	N/A
FLUID LEVEL	FULL
MAX. RECORDED TEMP.	85 DEGF
ESTIMATED CEMENT TOP	SURFACE
TIME SINCE CIRCULATION	24 HRS
TIME SINCE PUMPING	24 HRS
WITNESSED BY	MR. BOB
EQUIPMENT NO.	3
RECORDED BY	D. BATES
LOCATION	23 MILES SW OF MARCELINE, MO.

COMPANY L & B LEASING, INC. (CITATION)
WELL WIRICK NO. 3
FIELD WILDCAT
COUNTY MISSOURI
STATE MISSOURI

SCHL. FR. 431
SCHL. TD. 420
DRLR. TD. 430

Elev.: KB.
DF.
GL. BEL 3

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

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WELL SKETCH

EQUIPMENT DATA	
Run No.	ONE
Logging Unit	7204
Operator	NICHITA
Serial	3020
CALIB	0000
TNC-KA	0855
TNC-KB	3 88
TNC-T	0
TNG-K	227

REMARKS	
Run No.	ONE
Service Order No.	1320864
Hole Size	7 7/8
Top Log Annulus	
Annulus Fluid	
Salinity, ppm Nac Cl	
Measured Casing Top	
Calculated Casing Top	SURFACE
Tighter Wellhead Valve	
Source of Sigma	
Log Collars Recorded	03 u. DEEP h. h.

CALIBRATION DATA						
Run No.		ONE				
GR	BKG. CPS	0				
	Source CPS	0				
NT	BKG. CPS					
	SRCE. CPS					
FT	BKG. CPS					
	Source CPS					

GAMMA RAY SCALE CHANGED
0-100 GR REPEAT
0-1000 GR FINAL PASS
SEE TDT CH 1 FOR GR

LOGGING DATA						
Run	Time Log	Speed	Scale	Time	Speed	Scale
1	TDT-K	421	20	15	4	5/60

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 Clause 4 of our General Terms and Conditions as set out in our current price schedule.

BACKGROUND	FAR cps
0	1000

GAMMA RAY	API UNITS
0	150
150	300

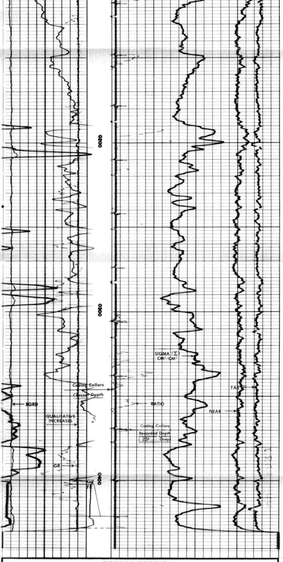
QUALITY	
Recorded Casing Collars	

NEUTRON CAPTURE CROSS SECTION Σ, capture units (cu - 10⁻³cm⁻¹/cm³)

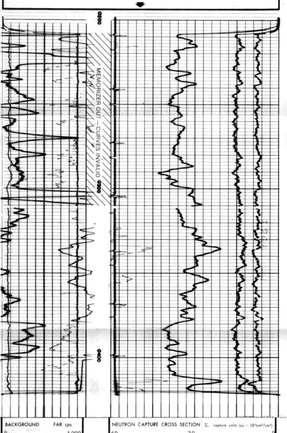
60	30

RATIO	
4	2

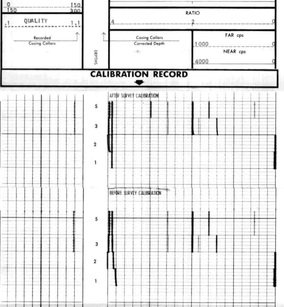
	FAR cps	
Casing Collars Corrected Depth	1000	0
	NEAR cps	
	4000	0

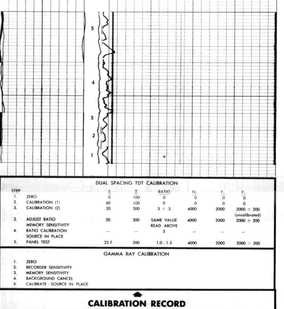


REPEAT SECTION



CALIBRATION RECORD





DUAL SPACING TDT CALIBRATION

STEP		L	S	RATIO	N	F	Σ
1.	ZERO	0	0	0	0	0	0
2.	CALIBRATION (1)	60	100	8	2000	2000	200
3.	CALIBRATION (2)	20	300	8.5	4000	3000	2000 - 200 (extrapolated)
3.	ADJUST RATIO MEMORY SENSITIVITY	20	300	SAME VALUE READ ABOVE	4000	3000	3000 - 200
4.	RATIO: CALIBRATION SOURCE IN PLACE	--	--	8	--	--	--
5.	PANEL TEST	22.7	290	1.0-1.5	4000	2000	2000 - 200

GAMMA RAY CALIBRATION

1. ZERO
2. RECORDER SENSITIVITY
3. MEMORY SENSITIVITY
4. BACKGROUND CANCEL
5. CALIBRATE - SOURCE IN PLACE

CALIBRATION RECORD

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