

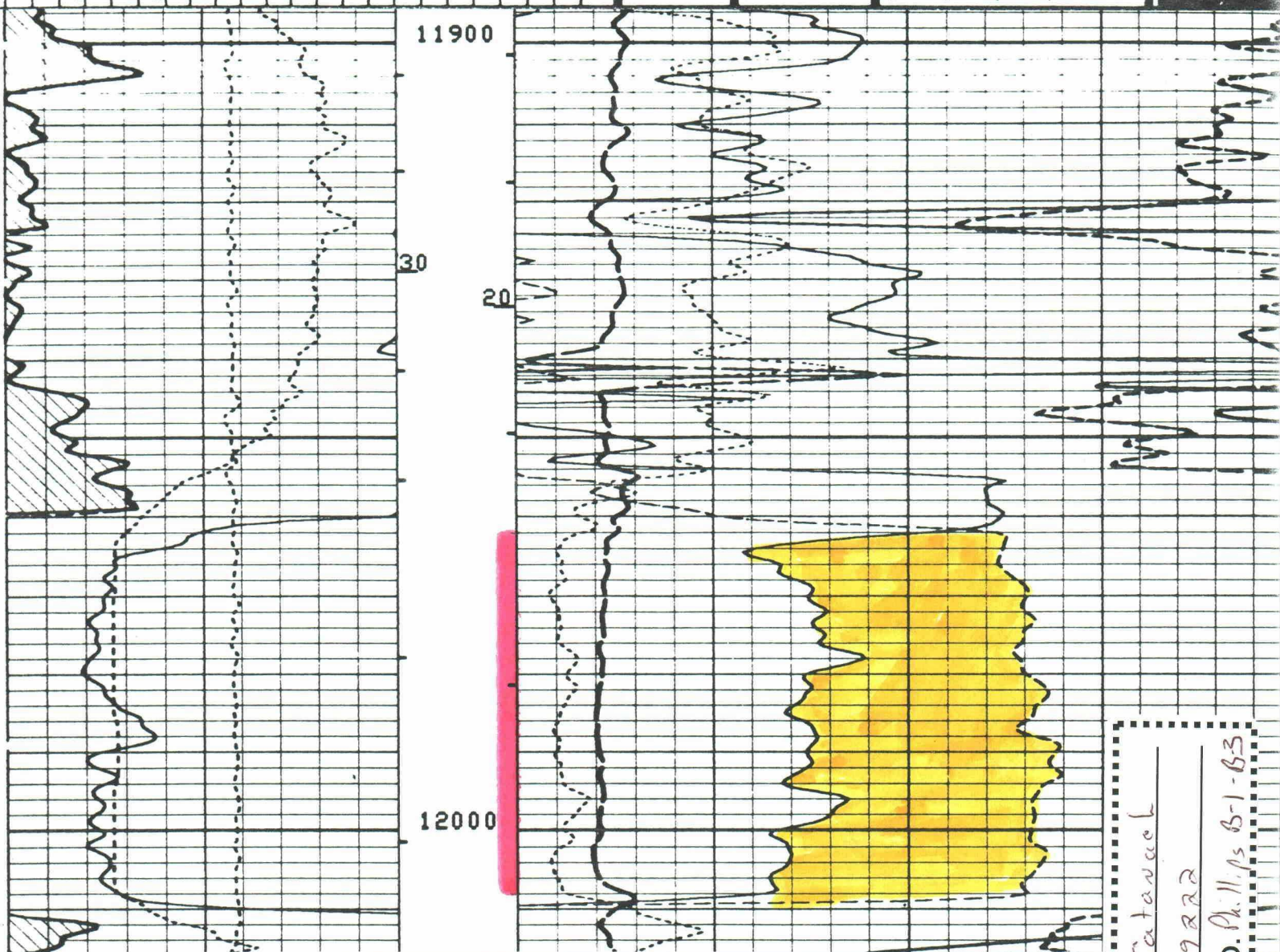
COUNTY LEA N.M.
FIELD N. VACUUM
LOCATION STATE "17"
WELL COM. NO. 2
COMPANY MARATHON OIL CO.

COMPANY MARATHON OIL COMPANY			
WELL STATE "17" COM. NO. 2			
FIELD N. VACUUM			
COUNTY LEA STATE NEW MEXICO			
LOCATION 1980' FNL & 1980' FWL			
API SERIAL NO	SEC	TWP	RANGE
17	17-S	35-E	
Other Services: DLL/MSFL LSS FIL			

Permanent Datum: G.L. , Elev.: 3982
Log Measured From K.B. , 18ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 4000
D.F. 3999
G.L. 3982

Date	7-26-87
Run No.	ONE
Depth-Driller	12503
Depth-Logger	12494
Top Log Interval	12461
Bottom Log Interval	4489
Logging-Driller	9 5/8 @ 5000
Logging-Logger	4989
Bit Size	8 3/4
Type Fluid in Hole	SALT GEL/STARCH
Dens.	9.2
Visc.	40
pH	9.5
Fluid loss	5.8 ml
Source of Sample	CIRC.
Rm @ Meas. Temp.	.210 @ 84 °F
Rmf @ Meas. Temp.	.210 @ 84 °F
Rmc @ Meas. Temp.	@ °F
Source: Rmf Rmc	MEAS
Rm @ BHT	.110 @ 166 °F
Circulation Stopped	0550
Logger on Bottom	1350
Max. Rec. Temp.	166 °F
Equip. Location	8382 HOBBS
Recorded By	KRICHTEN
Witnessed By	BENEFIEL



Examiner Catalog

Case No. 9222

Ph. 11/15/85 B-1-B3

ON LIBHX

TENS (LB)	0.0
GR (GAPI)	0.0
CALI (IN)	16.000
GR (GAPI)	100.00

PEF	0.0
DRHO (G/C3)	.45000
DPHI	.30000
NPHI	.30000

DUAL LATEROLOG
MICRO-SFL

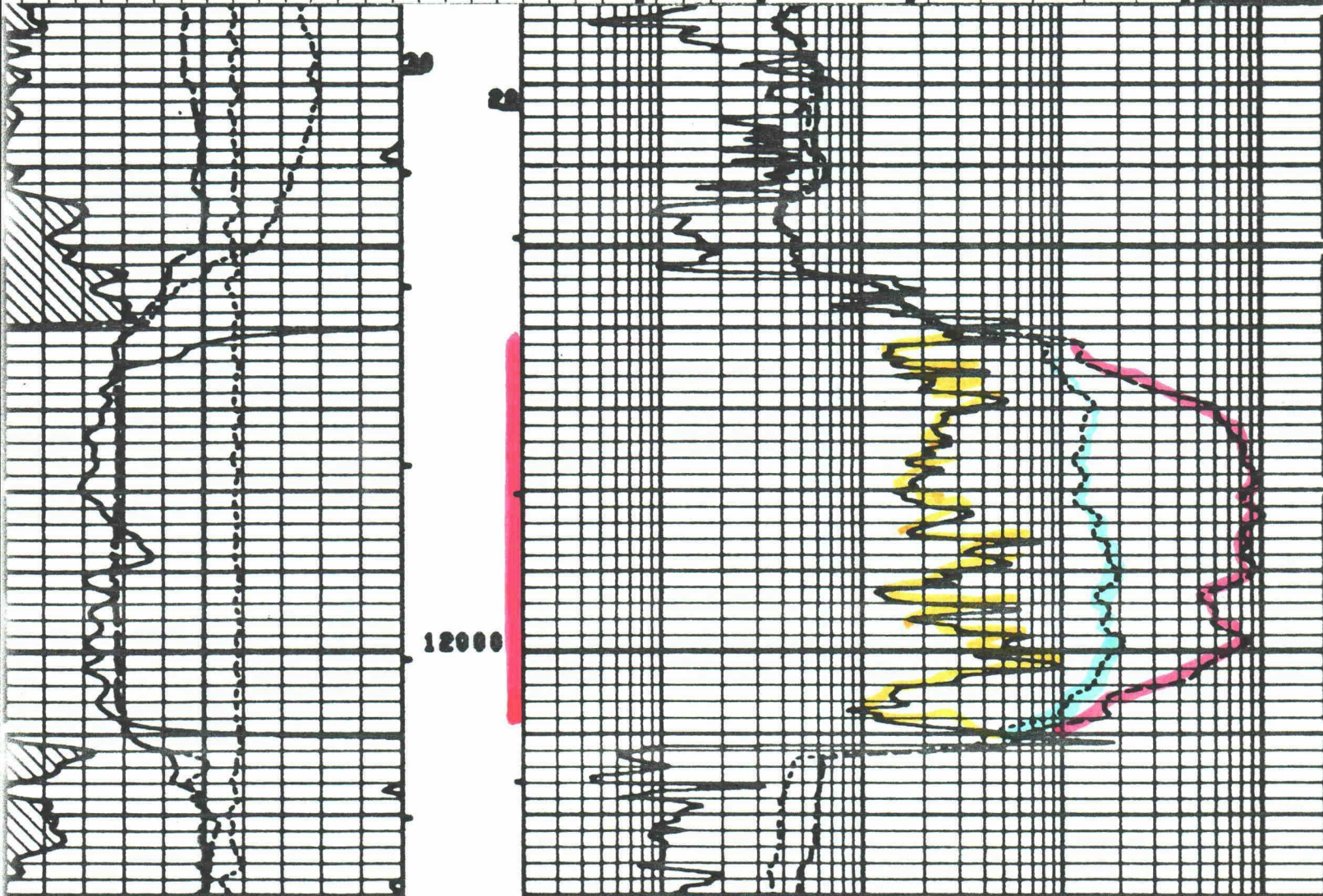
COUNTY LEA N.M.
FIELD N. VACUUM
LOCATION STATE "17"
WELL COM. NO. 2
COMPANY MARATHON OIL CO.

COMPANY MARATHON OIL COMPANY
WELL STATE "17" COM. NO. 2
FIELD N. VACUUM
COUNTY LEA STATE NEW MEXICO
LOCATION 1980' FNL & 1980' FNL
API SERIAL NO 17 SEC 17-S TWP 35-E RANGE
Other Services: CNL/LDT
LSS
FIL

Permanent Datum: G.L.; Elev.: 3982
Log Measured From K.B. 18ft. Above Perm. Datum
Drilling Measured From K.B.

Elev.: K.B. 400
D.F. 399
G.L. 398

Date	7-26-87	Run No.	ONE
Depth-Driller	12503	Depth-Logger (Schl.)	12494
Btm. Log Interval	12492	Top Log Interval	4489
Casing-Driller	9 5/8 @ 5000	Casing-Logger	4989
Bit Size	8 3/4	Type Fluid in Hole	SALT GEL/STARCH
Dens.	9.2	Visc.	40
pH	9.5	Fluid Loss	5.8 ml
Source of Sample	CIRC.	Rm @ Meas. Temp.	.210 @ 84 °F
Rmf @ Meas. Temp.	.210 @ 84 °F	Rmc @ Meas. Temp.	@ °F
Source: Rmf	MEAS	Rmc	@ °F
Rm @ BHT	.110 @ 166 °F		@ °F
Circulation Stopped	0530	Logger on Bottom	1330
Max. Rec. Temp.	166 °F	Equip. Location	8382 HOBBS
Recorded By	KRICHTEN		



TENSLR	0.0	LLD (OHM)	2000.0
CAL1 (IN)	16.000	MSFL (OHM)	2000.0
CAL3 (IN)	16.000	LLS (OHM)	2000.0
GR (GAPI)	200.00	LLD (OHM)	2000.0
GR (GAPI)	100.00		

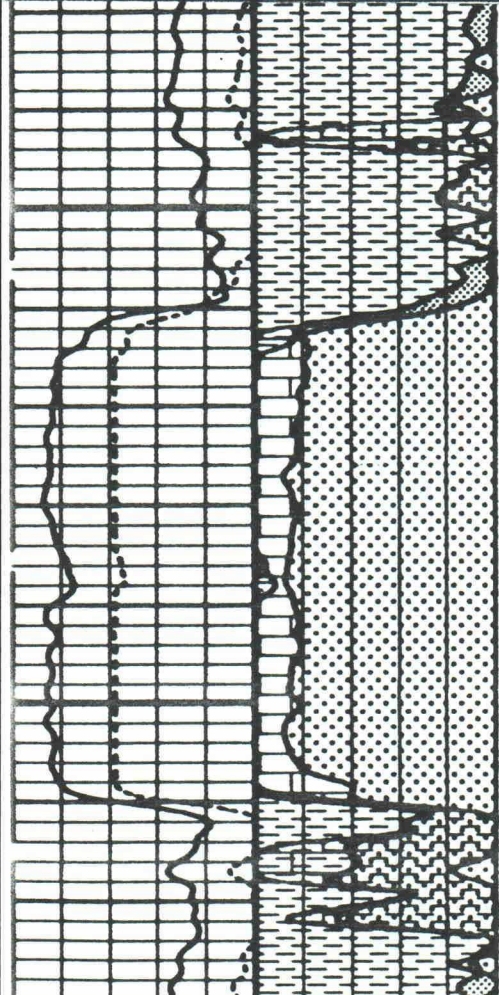
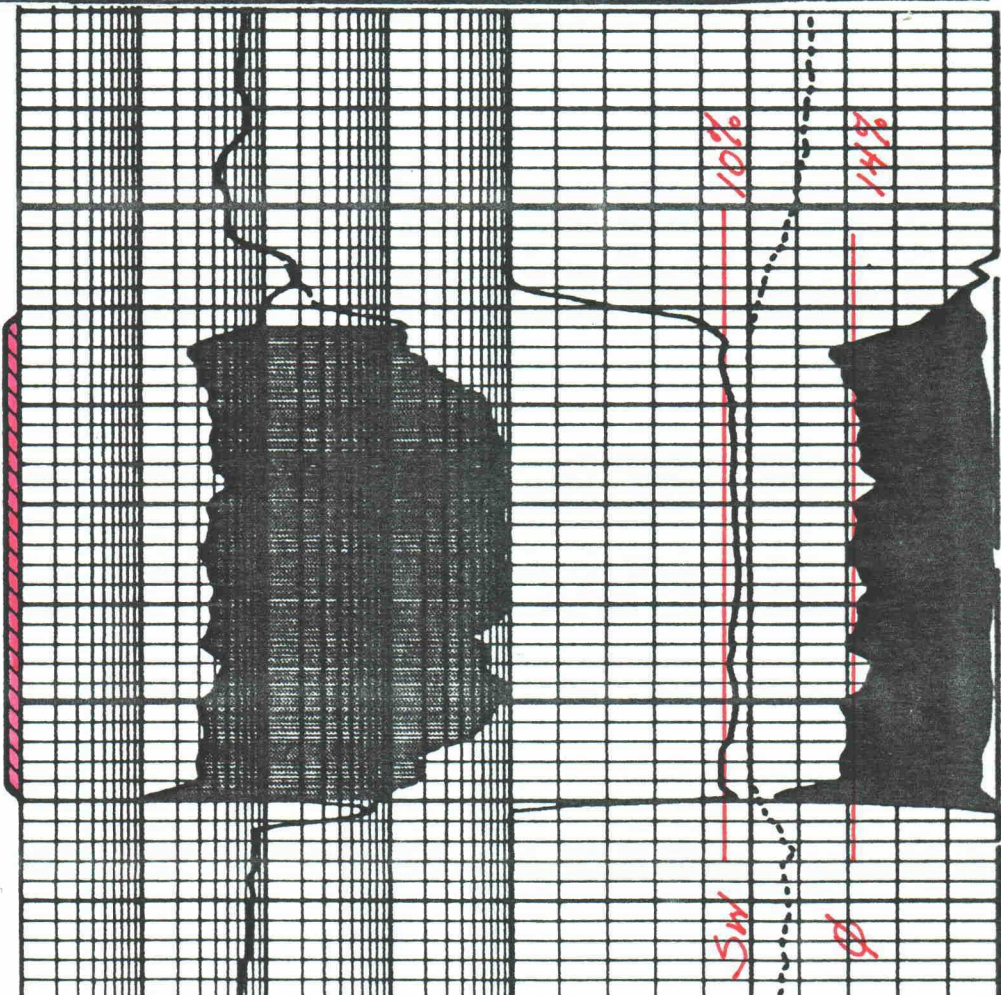
Schlumberger

COMPUTER
PROCESSED
LOG

COMPANY Marathon Oil Company
WELL State "17" Con. #2
FIELD N. Vacuum
COUNTY Lea STATE New Mexico
LOCATION 1980' FNL & 1980' FWL, Sec 17, T-17-S, R-35-E
ELEVATION KB 4000' DF 3999' GL 3982' API NO.

Schlumberger Cyberlook
WELL SITE COMPUTATION
A CSU Service

Date	7-27-87				
Run No.	ONE				
Depth-Driller	12503				
Depth-Logger	12494				
Btm. Log Interval	12430				
Top Log Interval	10550				
Casing-Driller	9548' @ 5000'	@		@	
Casing-Logger	4989'				
Bit Size	8 3/4"				
Type Fluid in Hole	SALT GEL/STARCH				
Dens.	9.2	40			
pH	9.5	5.8	ml		ml
Source of Sample	Q1RC				
Rm @ Meas. Temp.	1210 @ 84 °F	@	°F	@	°F
Rmf @ Meas. Temp.	1210 @ 84 °F	@	°F	@	°F
Rmc @ Meas. Temp.	@ °F	@	°F	@	°F
Source: Rmf Rmc	MEAS.				
Rm @ BHT	1110 @ 166 °F	@	°F	@	°F
Circulation Stopped	05:30 7/26				
Logger on Bottom	161	°F	°F	°F	°F



ZERO	
-1.000	1.0000
MP2	
2.0000	0.0
MP3	
-1.000	1.0000
GR (GAPI)	
0.0	300.00
RHGF (G/G3)	
2.5000	3.5000
MSI	
-1.000	1.0000

3-5	
RO (QHMM)	
.10000	1000.0
RT (QHMM)	
.10000	1000.0
SX0	
1.0000	-1.000
SH	
1.0000	-1.000
DCAL (IN)	
-20.00	20.000
VHX0	
.50000	0.0
BYH	
.50000	0.0
PHIE	
.50000	0.0

BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION

Phillips EXHIBIT NO. 31-B.3

CASE NO. 9222