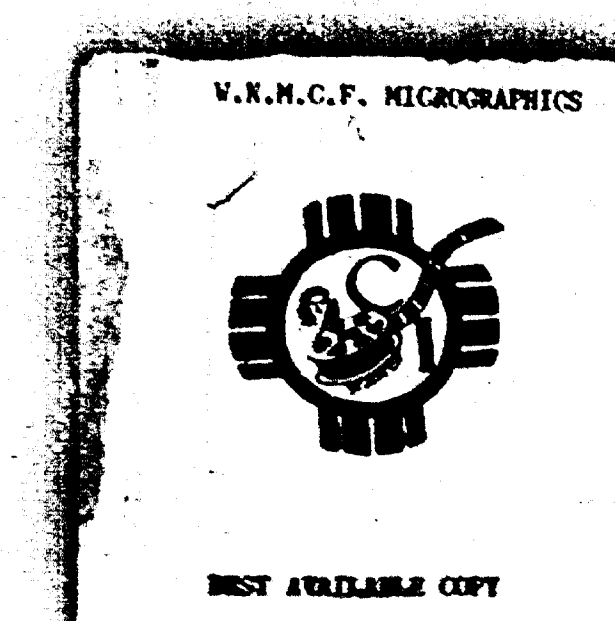
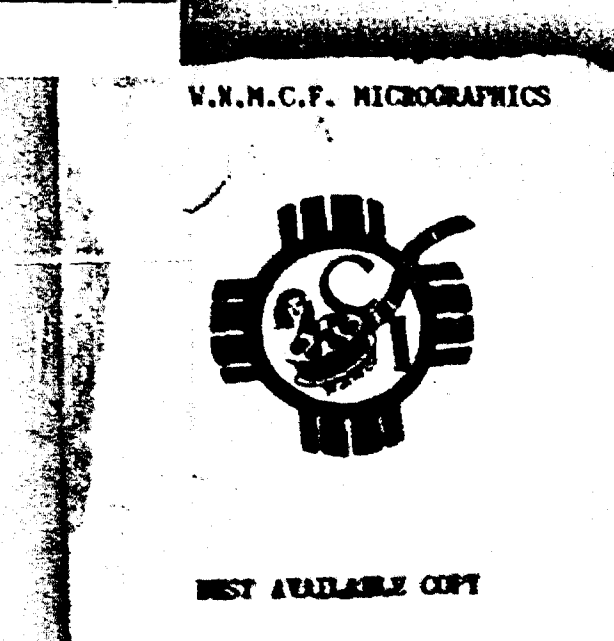
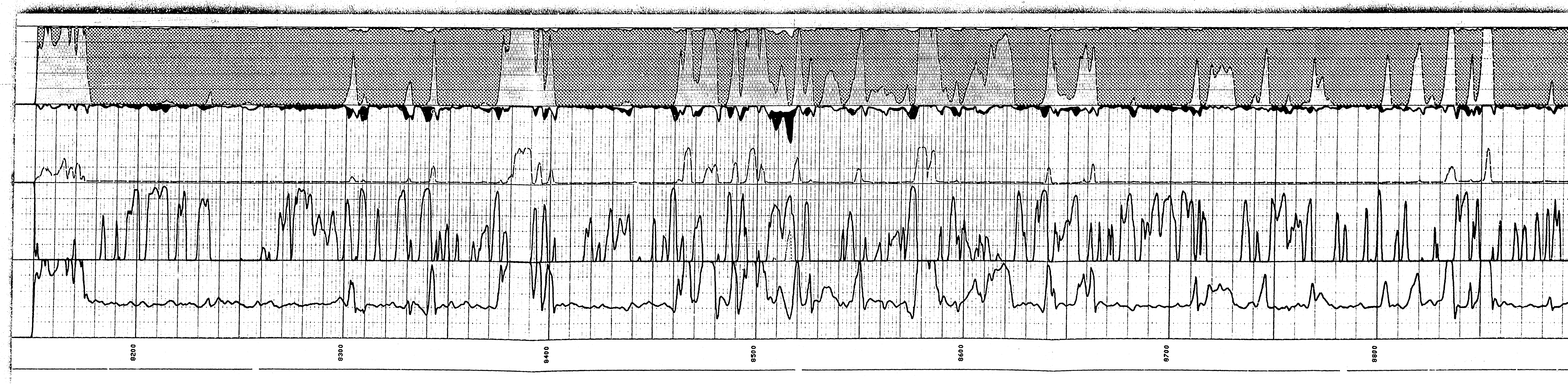
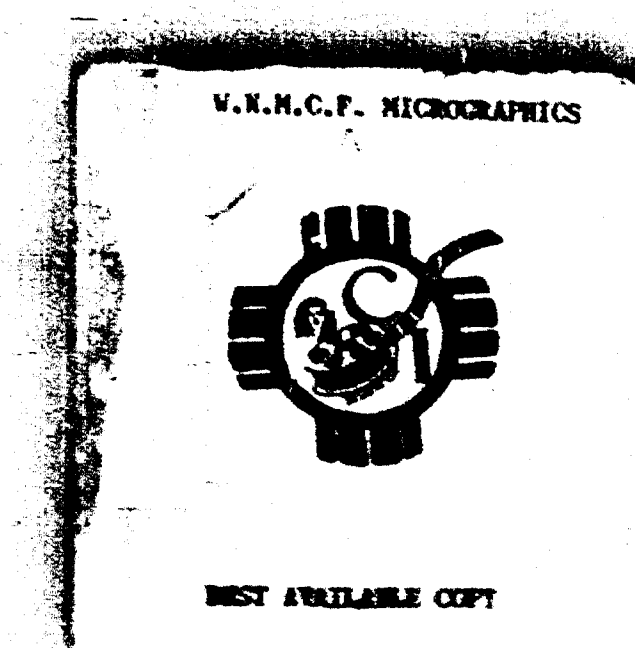
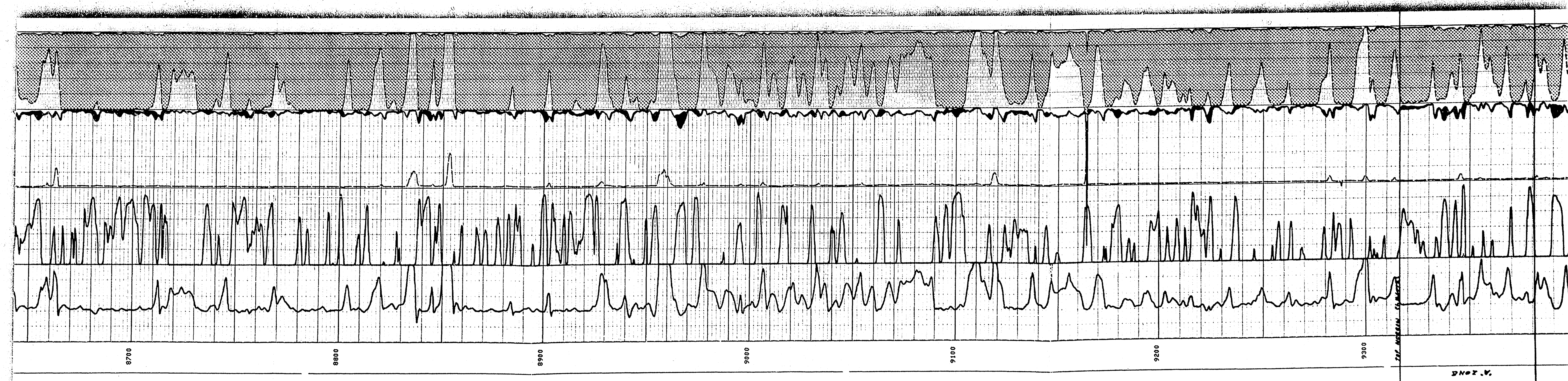


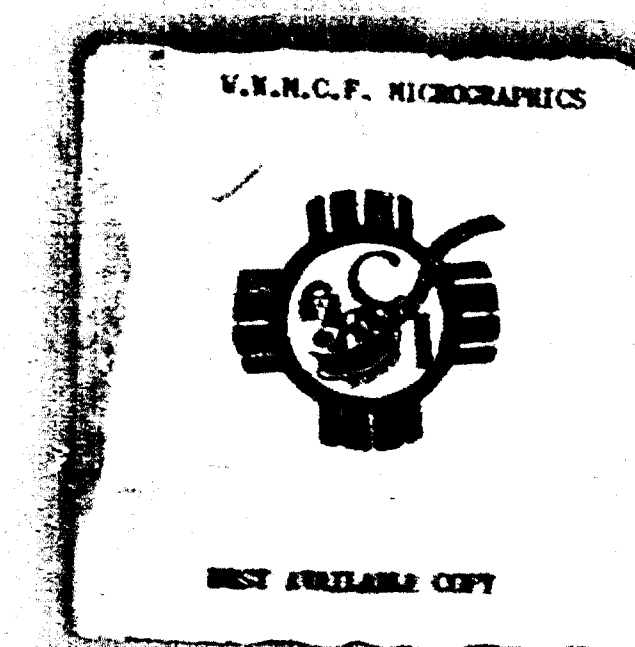
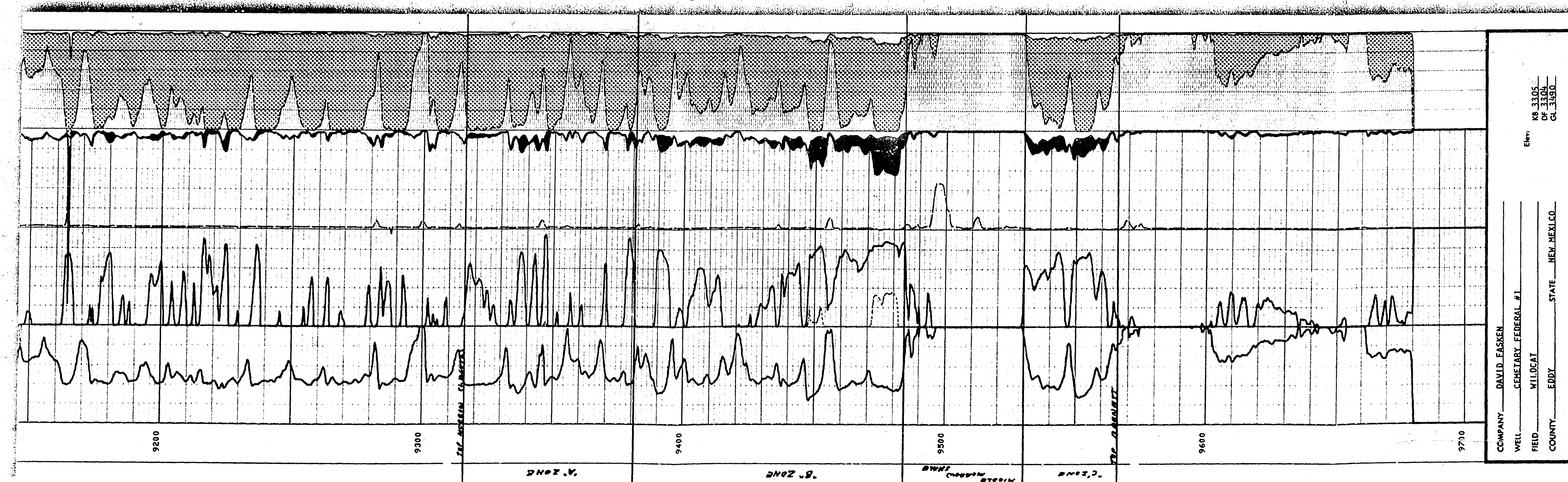
Case No
5442

Large Exhibits









Schlumberger **COMPENSATED NEUTRON FORMATION DENSITY**

COMPANY: HILLIARD OIL & GAS, INC.
 WELL: MCELVIN FEDERAL #1
 FIELD: WILDCAT
 COUNTY: LEA STATE: NEW MEXICO
 LOCATION: 1980' FSL & 1980' FEL
 Sec. 30 Twp. 18-S Rge. 24-E
 Other Services: BHC, DLL, MLL
 Permanent Datum: G.L. Elev. 3903
 Log Measured From: K.B. 18 Ft. Above Perm. Datum
 Drilling Measured From: K.B. G.I. 3903

Date	8-23-74
Run No.	ONE
Depth-Driller	14075
Depth-Logger	14069
Run Log Interval	14069
Coring-Driller	8 5/8 5120
Coring-Logger	5116
Bit Size	7 7/8
Type Fluid in Hole	DEXTRID-DRISPAK
PH Fluid Loss	10.31 54
Source of Sample	617
Run @ Meas. Temp.	056 @ 81 F
Run @ Meas. Temp.	051 @ 80 F
Run @ Meas. Temp.	081 @ 81 F
Run @ Meas. Temp.	026 @ 180 F
Run @ Meas. Temp.	022 @ 1400
Run @ Meas. Temp.	023 @ 0630
Max. Rec. Temp.	180
Temp. Location	3721 HOBBS
Recorded By	SCHEPES
Witnessed By	SCHULTZ

Schlumberger **DUAL LATERAL**

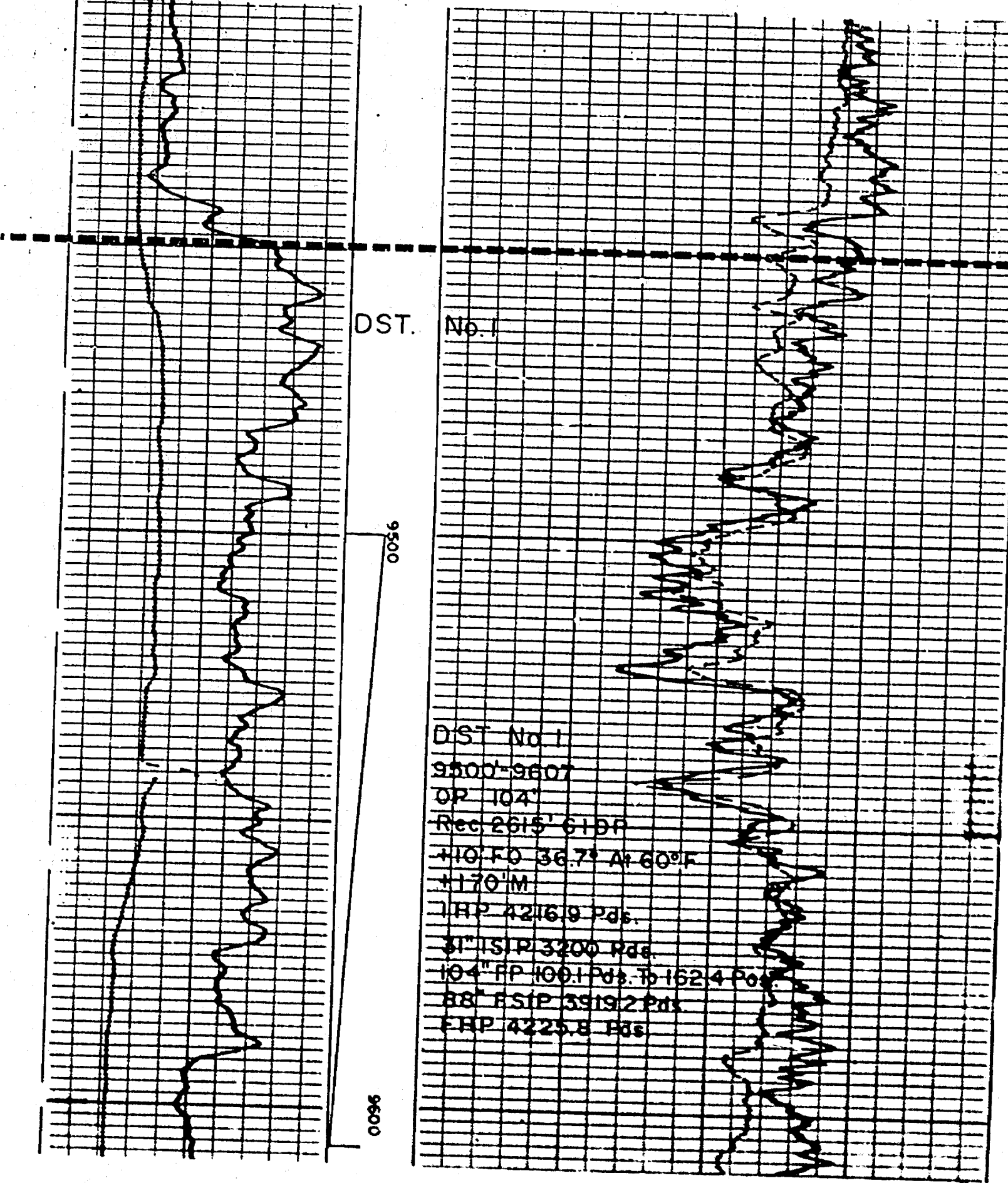
COMPANY: HILLIARD OIL & GAS, INC.
 WELL: MCELVIN FEDERAL #1
 FIELD: WILDCAT
 COUNTY: LEA STATE: NEW MEXICO
 LOCATION: 1980' FSL & 1980' FEL
 Sec. 30 Twp. 18-S Rge. 24-E
 Other Services: CNL-FDC, BHC, MLL
 Permanent Datum: G.L. Elev. 3903
 Log Measured From: K.B. 18 Ft. Above Perm. Datum
 Drilling Measured From: K.B. G.I. 3903

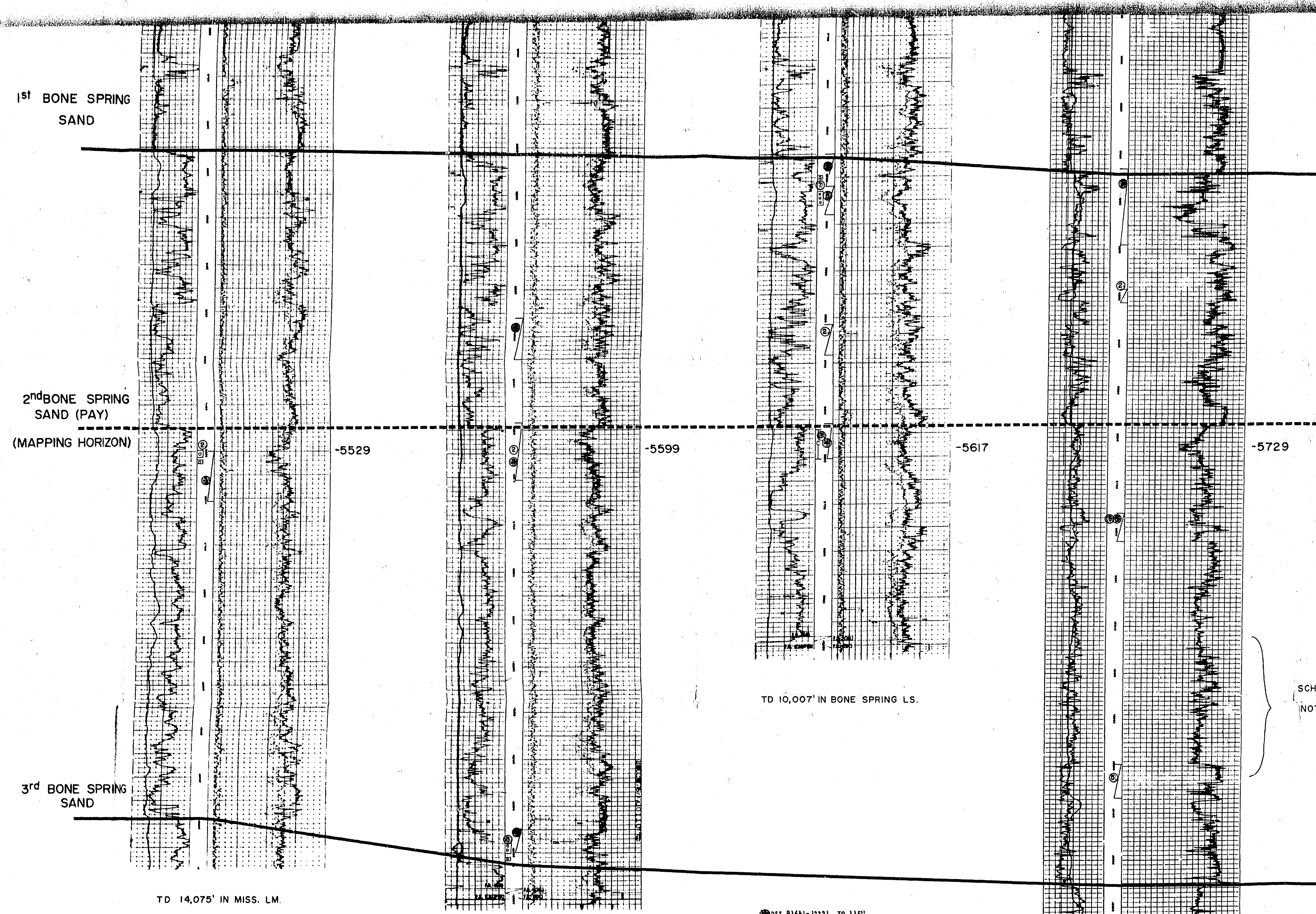
Date	8-23-74
Run No.	ONE
Depth-Driller	14075
Depth-Logger	14069
Run Log Interval	14069
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Run @ Meas. Temp.	023 @ 0630
Max. Rec. Temp.	180
Temp. Location	3721 HOBBS
Recorded By	SCHEPES
Witnessed By	SCHULTZ

Schlumberger **MICROLOG**

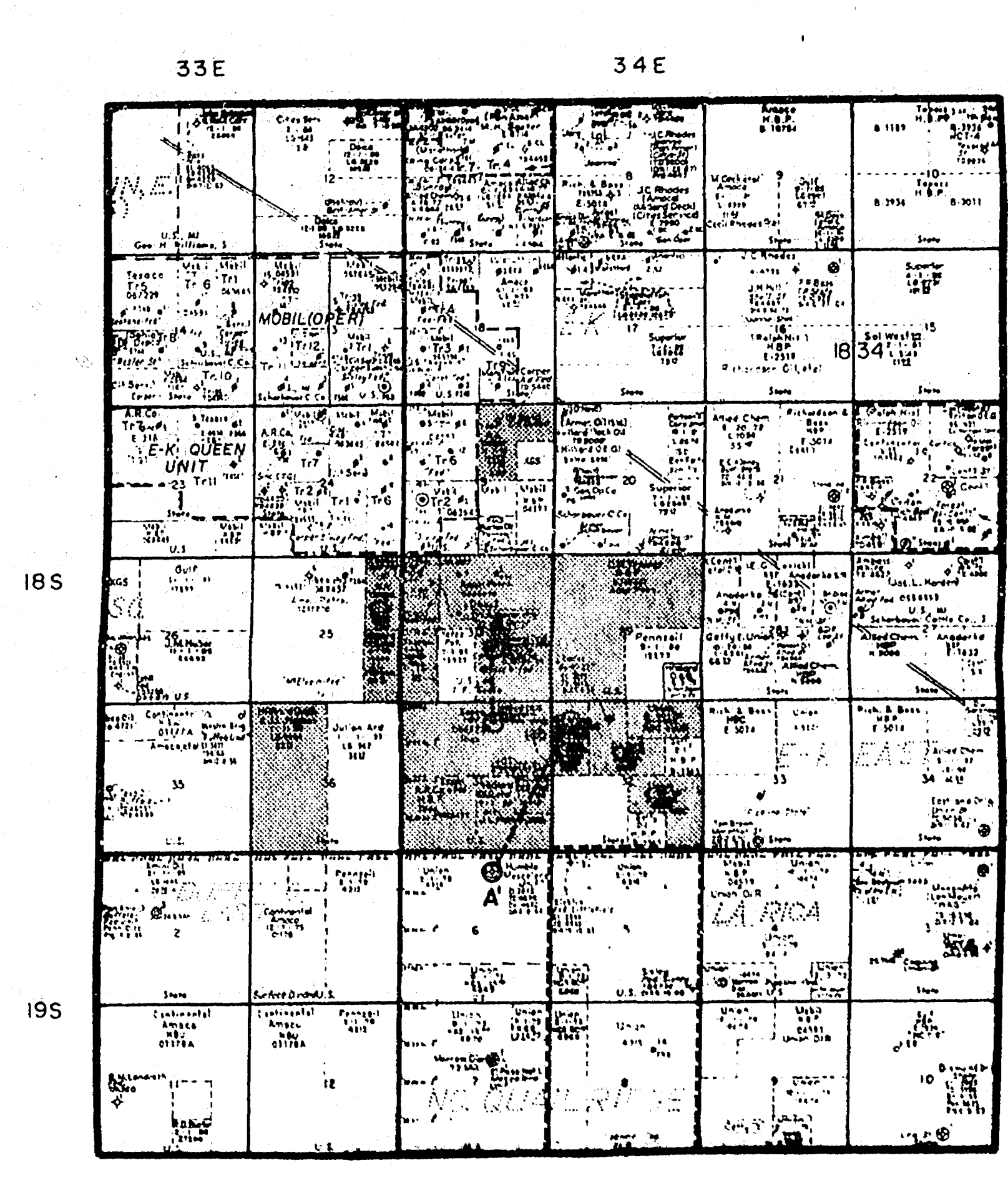
COMPANY: HILLIARD OIL & GAS, INC.
 WELL: MCELVIN FEDERAL #1
 FIELD: WILDCAT
 COUNTY: LEA STATE: NEW MEXICO
 LOCATION: 1980' FSL & 1980' FEL
 Sec. 30 Twp. 18-S Rge. 24-E
 Other Services: CNL-FDC, BHC, MLL
 Permanent Datum: G.L. Elev. 3903
 Log Measured From: K.B. 18 Ft. Above Perm. Datum
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Temp. Location	3721 HOBBS
Recorded By	SCHEPES
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- DST # 1, 3200' - 3600' TO 100' Rec 2615' CDP + 10' Free Oil (36.7° & 50° F) + 120' MUD HP 42177 - 42268 PP 100-1389 ISIP (317') 3200', FSIP (88') 3919'
- ① PERF 3498'-3512' & 3518' - 24' A/3000 GAL & FRAC/30,000 GAL NGL VTR & 31,000 Sd IPP 132 RD & 5 BHPD 54.7 MFG (COR 414): 35 CAVITY (11-11-76) CUM PROD. 42,670 RD & 25,589 MFG TO 2-1-76
- DST 3661'-3652' TO 300' Rec 300' OIL & 15' OIL & 391' JTR & DF, PP 141-2822 ISIP (50') 3652', FSIP (180') 3637
- ② DST 3688'-3605' TO 300' Rec 376' OIL, PP 188-211/ ISIP (120') 3605', FSIP (180') 378 (1000, FAILED TO CLOSE) HP 4185-4185
- DST 3485'-3605' TO 300' Rec 300' OIL & VTR ENCL (502 OIL) + 1170' SOCDN, PP 171-683/ ISIP (120') 1830', FSIP (300') FAILED.
- DST 10,349-38' TO 160' CTS 70' & 45 MFG, Rev OUT 500' J8 + 1150' GC OIL, PP 349 - 3700/ ISIP (240') 4164', FSIP (240') 3384'
- ③ PERF 10,379-401' & 10,409-16' A/3000 GAL & WELL FLOWED TO CLEAN UP (10 GAUGES) & DIED. INSTALLED PUMP. PREP TO POTENTIAL.
- DST 8164'-3232' TO 115' CTS 37' & 75TH, Rec 500' OIL, 100' GC SUL VTR & 500' SUL VTR, PP 337-608/ ISIP (50') 3021', FSIP (240') 3021'
- ④ DST 9315-81' TO 115' Rev OUT 10' OIL & 1123' OCM SC Rec/250 cc OIL & 2200 cc VTR, PP 337-608/ ISIP (50') 2282', FSIP (210') 1819' HP 4083-4083
- CORE 9541-9559' (Rec 17') CORE 9559-9602' (Rec 43')
- DST 9531'-3602' TO 300' Rec 15' OIL, PP 43-34/ ISIP (120') 524', FSIP (240') 567' HP 4028-4028
- DST 9030-80' PER FAILED AFTER 30', Rec 250' J40N; PP 187-187
- DST 8950'-9020' TO 120' Rec 459' SOCDN PP 115-204/ ISIP (120') 2877', FSIP (270') 3551' HP 4175-4175
- ③ PERF 8994-9002' & 9010-58' A/4000 GAL & 2000 GAL, FRAC TO 40,000 GAL NGL VTR & 25,000 Sd IPP 3880 & 16 BY (24-4-75) 6-23-75. PRODUCTION DECLINED TO 20 RD + 8 BHPD IN 1 MONTH.
- SET RFP & 8135' PER 8130'-8155' FLOWED MAX 180 BOPD NATURAL ON 20/64" chdr. WHILE NOT STABILIZE. INSTALLED PUMP 12-6-75. TESTING.
- CUM PROD. 13,462 RD & 323 MFG TO 1-1-76
- DST 9030-9190' TO 900' CTS In 45' 15TH; Rec 670' HOSCHN + 60' J8 PP (50') 218 - 219/ ISIP (60') 3700', FSIP (180') 3654'
- ③ DST 9284'-3113' TO 300' Rec 271' OIL & 6910' NGL PP (50') 1504 - 1504/ ISIP (60') 3821', FSIP (180') 3367'
- DST 9760'-3820' FAILED
- DST 9738'-3820' TO 300' Rec 130' J8 & 34' SOCDN, PP 68-68/ ISIP (60') 3704', FSIP (60') 3123'
- DST 10,235'-362' TO 300' Rec 1000' J8 & 120' NGL PP 537-282/ ISIP (60') 4164', FSIP (60') 4004' PAA'd 4-6-76



HILLIARD OIL & GAS, INC.
1190 Midland National Bank Tower
Midland, Texas 79701

E-K BONE SPRING AREA
18S-34E LEA COUNTY, NEW MEXICO

STRATIGRAPHIC CROSS SECTION A-A'
(Hung on 2nd Bone Spring Sand)

VERTICAL SCALE: 1" = 100'
HORIZONTAL SCALE: NONE

BY JWP

BEFORE EXAMINATION
FILED
CASE NO. 3492

