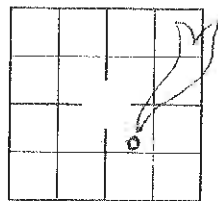


**ROGER L. MOSES**

Ellis, Kansas 67001  
 Email: mosesoil@reagan.com  
 Phone: 785.656.1729

**REPORT LOG**

COMPANY Damar Resources, Inc  
Stays, Kansas  
 WELL Schmeid Ranch # 1  
 FIELD Bemis-Shults  
 LOCATION SW-SE-NW-SE  
 SEC. 4 TWP. 12s RGE. 17w  
 COUNTY Ellis  
 STATE Kansas



OPERATOR Damar Resources, Inc  
 CONTRACTOR Murfin Drlg (WW #8)  
 COMM: 7-22-2019 COMP: 7-28-2019

**CASING RECORD**  
 SURF: 8 5/8 @ 303' PROD:  
 TOTAL DEPTH DRILLERS: 3757'  
 TOTAL DEPTH LOG: 3754'

**PRODUCTION**  
 ELEVATION KB 2117'  
 DF  
 GL 2112'  
 Drilling Measured From: Kelly Bushin  
 Samples Saved From 3000' To: T.D.  
 Drilling Time From 2900' To: T.D.  
 Samples Examined From: 3000' To: T.D.  
 Geological Supervision From 2850' To Total Depth  
 Wellsite Geologist Roger L. Moses  
 Electrical Surveys D.T.L.  
Porosity, Sonic  
Microresistivity  
Pioneer Energy Services

7-22-19	Spud	1	12 1/4	RR		303'	303'	5 1/2
7-23-19	303'	2	7 7/8	Linco		3757'	3754'	85 1/2
7-24-19	1510'							
7-25-19	2540'							
7-26-19	3180'							
7-27-19	3694'							
7-28-19	3757'							

**DRILL STEM TESTS**

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHP-FHP	RECOVERY
1	3437'	30# 21#	569#	27# 23#	556#	1698#	3' 100% Mud
G	-3460'	5"	30"	30"	45"	1691#	

**FORMATION TOPS AND STRUCTURAL POSITION**

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
Anhydrite	1341 (+776)	1340	1777	6100
Anhydrite Base	1381 (+736)	1380	+737	-6
Topeka	3070 (-953)	3070	-953	-8
Heebner	3804 (-1187)	3304	-1186	-6
Toronto	3326 (-1209)	3326	-1209	-7
Lansing	3349 (-1232)	3351	-1234	-7
A/KC	3584 (-1467)	3581	-1467	-2
Arbuckle	3607 (-1490)	3610	-1493	-2

REFERENCE WELL FOR STRUCTURE Damar Resources, Inc  
Windholz #2, NE SW-NW-SW Section 3-12s-17w  
Ellis County, Kansas

REMARKS AND RECOMMENDATIONS Well ran consistently low to comparison well throughout. Due to structural position and log analysis the well was plugged and abandoned.  
 Sincerely  
Roger L. Moses

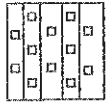
**LEGEND**

- Anhydrite
- Sandstone
- Salt
- Anhydrite
- Chalk
- Sandstone
- Chalk
- Sandstone
- Salt
- Anhydrite

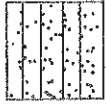
# LEGEND



Anhydrite



Salt



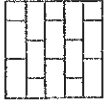
Sandstone



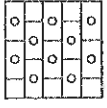
Shale



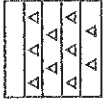
Carb sh



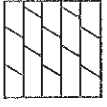
Limestone



Ool.Lime



Chert



Dolomite

DRILLING TIME IN MINUTES  
PER FOOT

Rate of Penetration Decreases



5" 10" 15" 20" 25"

DRILLING TIME IN MINUTES PER FOOT	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARK:
Graph with ROP curve	110	Shale			
Graph with ROP curve	550	Shale			
Graph with ROP curve	60	Shale			
Graph with ROP curve	70	Shale			
Graph with ROP curve	80	Shale			
Graph with ROP curve	90	Shale			
Graph with ROP curve	2900	Shale			Dev Shales @ 303' - 1/2 @ 3157' - 1/2
Graph with ROP curve	10	Shale			Displaced @ 2900'
Graph with ROP curve	20	Shale			
Graph with ROP curve	30	Shale			
Graph with ROP curve	40	Shale			WT 8.5 VIS 54 LCM 2
Graph with ROP curve	2950	Shale			
Graph with ROP curve	60	Shale			
Graph with ROP curve	70	Shale			
Graph with ROP curve	80	Shale			
Graph with ROP curve	40	Shale			
Graph with ROP curve	3000	Shale	St. gray-brn, fissile, platy		WT 8. VIS 6 LCM 6
Graph with ROP curve	10	Shale	LS, gray, tan, fissile, platy		

10		
3000	SH: gray-brown, fissile, platy	
10	LS: gray-tan, f-med xln, barren	
20		
30	SH: gray-brown, silty	
40		
3050	LS: tan-gray, f-med xln, barren, no NSB	
60	SH: gray-brown, platy	
70	LS: tan-brown, f-med xln, barren	
80		
90	LS: tan-gray, f-med xln, barren	
3100		
10		
20	SH: gray-brown, silty	
30	LS: tan-gray, f-med xln, barren, no NS	
40		
3150		
60	LS: tan-brown, f-med xln, barren	
70	BLK, calc. sh	
80		
90	LS: tan-gray, f-med xln, barren, calc. sh	
3200		
10	LS: tan-gray, f-med xln, barren, calc. sh	
20		
30	BLK, carb. sh	
40	LS: gray-tan, f-xln, dns, calc. sh, imp. port, blk. sh	
3250		
10	LS: arenaceous, f-xln	

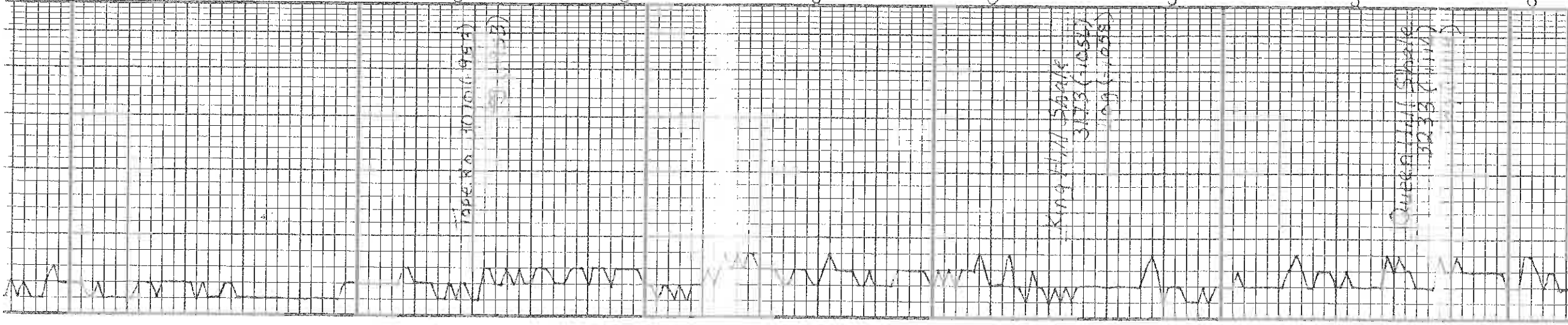
WT 8  
VIS 6  
LCM 2

WT 8  
VIS 6  
LCM 2

WT 8:  
VIS 6  
LCM 2

WT 88  
VIS 63  
LCM 2

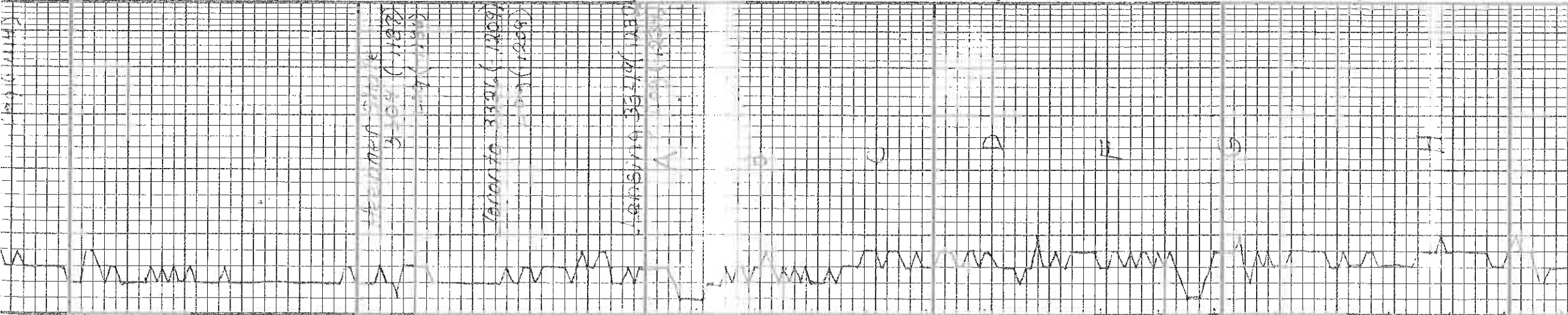
WT 85  
VIS 62  
LCM 2



King Hill Sandstone  
3175 (1054)  
3195 (1058)

Queen Hill Sandstone  
3233 (1117)

40  
3250  
60  
70  
80  
90  
3300  
10  
20  
30  
40  
3350  
60  
70  
80  
90  
3400  
10  
20  
30  
40  
3450  
60  
70  
80  
90  
3500



S: grey-tan, in xln, dms, chalky in part, blk d  
40 ss.

S: grey-tan w/lt in xln  
foss, blk. barren

LS: s a/a

LS: off white, tan, imp med xln,  
poor in xln, dms, foss,  
trans d, barren

BLK, carb sh.  
SH: grey-brn, s, w/g, ss  
silty, fissile

LS: grey, f-med xln, silty, vug  
good indy part  
LS: Chalky, lt even, silty  
f. G. odor, spots free (L)

SH: grey-brn, bloody silty

LS: f. med xln, w/g, ss  
SH: grey, silty, platy  
foss, pp, chalky, no nse

SH: grey-brn, silty, blk y

LS: tan, w/g, f-med xln,  
few pp  
SH: f. odor, f. s. r

LS: s. g/a, asphaltine  
SH: grey, f. w/g, blk y

LS: wh, f. xln, pp, few w/  
vug, f. f. odor  
SH: s. f. s. r

BLK, carb sh  
LS: con-brn, f. med xln  
foss, chm, w/odor, v. stn

LS: dust-tan, in-xln, sh  
in part, d, chalky,  
sat vug, stn, w/odor

S: buff-tan, f. med v. n  
good indy, s. oomph  
sat vug, lt silty, n

LS: s a/a

SH: grey-brn, silty, platy  
LS: wh, tan, f. med xln,  
good indy, f. odor,  
f. odor, N.F.S.D

S: grey, in xln, oomph, vug  
SH: grey-tan, blk y

WT 8.6  
VIS 61  
LCM 2

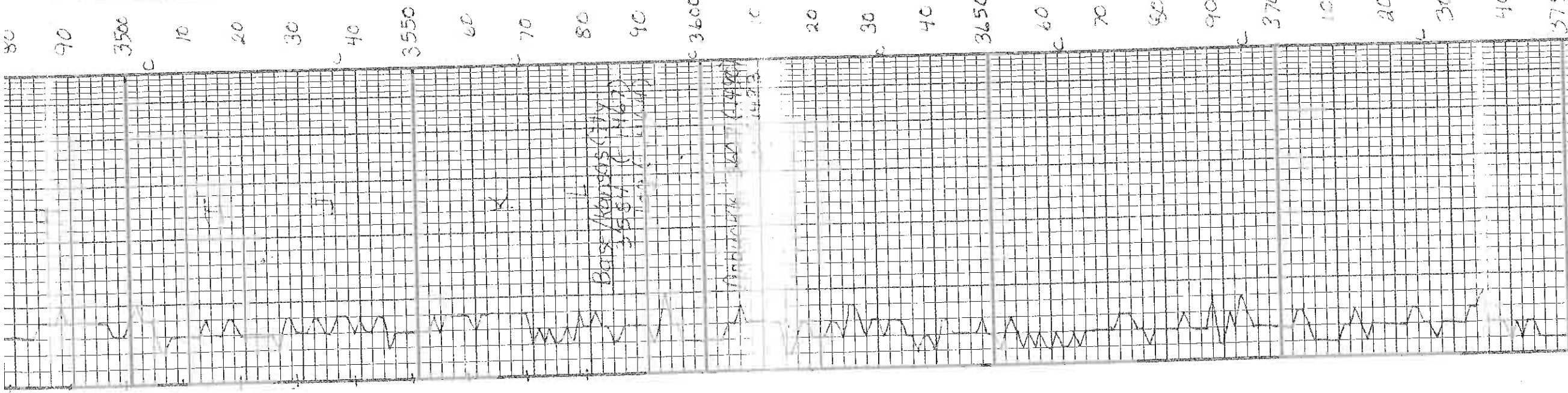
WT 8.3  
VIS 56  
LCM 2

WT 8.6  
VIS 58  
LCM 2

WT 8.1  
VIS 54  
LCM 2

LCM 2

80	Fr. qd odor, N.F.S.D.
90	S: gray, fin xln, dom, vug
3500	SH: gray-ton, bitly
10	LS: wht, fin-med xln, shiny per: N xln, w/ sharp odor N xln, no free oil.
20	SH: gray, bitly
30	LS: off wht, fin-med xln, oil, a few, in xln, A st odor, Lt. med xln
40	BIK comb sh.
3550	LS: med-ton, fin xln, dms B, no vug
60	LS: wht-ton, fin xln CSS, some A fair odor WSFC
70	SH: med comb LS: wht-buff, fin xln, WSFC pp, st odor, WSFC
80	SH: gray-orn, silty, fissile
90	LS: wht, fin-med xln in xln, in a few vugs vs odor, GSFC
3600	LS: gray-orn, silty
10	Dolo: med-ton, med xln oil, bitly
20	Dolo: med-ton, med xln in, silty, very st odor, shiny fay qd sh. no free oil, Rhomb
30	Dolo: orn-ton, med-coarse xln, vug, pp, vst odor very good sh. free oil.
40	Dolo: orn-ton, fin-med xln
3650	Dolo: orn-ton, fin-med xln vug, pp, st odor very good sh. free oil.
60	Dolo: tan-brn, fin-med xln vug, pp, st odor, sh. a/a
70	Dolo: S a/a, free oil in 75% of rocks.
80	Dolo: off wht-ton, med xln med xln, silty, Rhomb xln, vug, st odor
90	Dolo: S a/a, free oil in sample cups & tray
3700	Dolo: tan-brn, med xln, vug, pp, st odor, vst odor very st odor, vst sh. f. oil.
10	Dolo: tan-brn, med xln, vug pp, st odor, vst odor free oil, in not consistent
20	Dolo: tan, fin-med xln, pp, st odor, st odor oil show is less
30	
40	Dolo: tan, TE is turning lighter & cleaner, samples from 3620, 3700
3750	Went consistent



Base/Renders (fly  
3550-3600)

Anthracite 60 (1900-  
1920)

WT 8.6  
VIS 54  
LCM 2

WT 8.5  
VIS 54  
LCM 2

WT 8.6  
VIS 5.5  
LCM 2

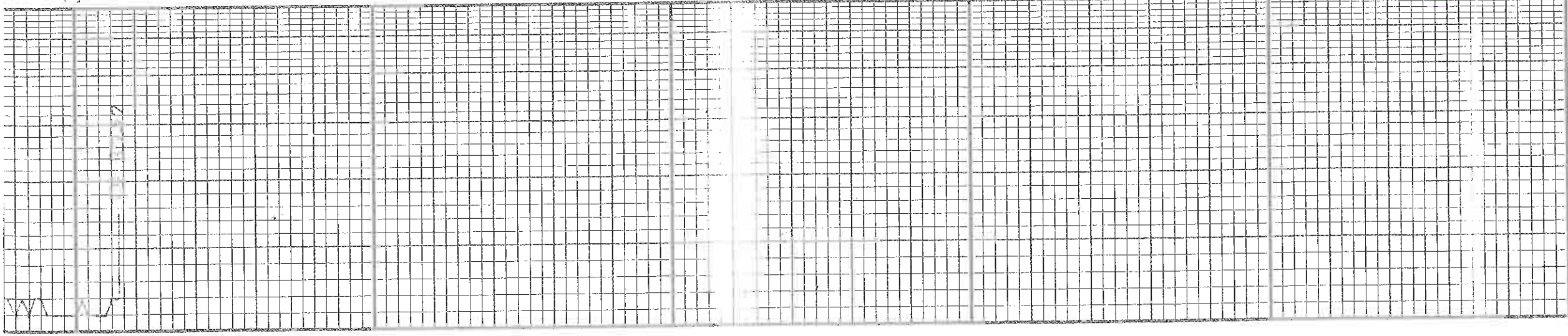
WT 8.6  
VIS 5.5  
LCM 2

WT 89  
VIS 51  
LCM 2

Pipe Str  
@ 3757' u  
0.98' st

Water cleaner, supplied  
from 262L, 37L  
were consistently  
the same / 194 m  
Free oil in air mass  
every pack 1 saw.

10  
3750  
60



5"  
10"  
15"  
20"  
25"

LITHO

CAMBLE DESCRIPTIONS

OIL ST

REMAI


DRILLING TIME Minutes/Foot	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARK
5" 10" 15" 20" 25" Rate of Penetration Decreases					

CONTRACTOR Marvin Corp (UVA 49) LOCATION 163515L & 1970 FEL  
 LEASE Schmeid Koch IP DM SEC 4 TWP 12S RANG 17W  
 ELEVATION 2117 X13 RTD 3757 COUNTY F 11S STATE IAASAS