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# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY Pauley Oil  
 BASE Mary #1  
 FIELD Widdcat  
 LOCATION Ne-ne-SW-NW (R49' FDI) (1105' FWL)  
 SEC 8 TWP 2S RGE 29W  
 COUNTY Decatur STATE Kansas  
 CONTRACTOR Southwind Drilling Co.  
 START 7/1/14 COMP 7/10/14  
 LTD 4155 LTD 4155  
 MUD UP 3373 TYPE MUD chemical displaced

SAMPLES SAVED FROM 3400 TO 1  
 DRILLING TIME KEPT FROM 3400 TO RTD  
 SAMPLES EXAMINED FROM 3500 TO TO  
 GEOLOGICAL SUPERVISION FROM 3500 TO TO  
 GEOLOGIST ON WELL Jake Eastes, Jim Musgrove

FORMATION TOPS	LOG	SAMPLES
anhydrite	2536 +230	
base anhydrite	2586 +200	
Heebner	3769 -983	
toronto	absent	
adansing	3814 -1028	
base Kansas	4033 -1247	
RTD	4155 -1369	
WTD	4155 -1369	

ELEVATIONS  
 KB 2786  
 DF \_\_\_\_\_  
 GL 2778  
 Measurements Are All From -KB-

SURFACE CASING 8 3/8" x 262'  
 PRODUCTION 5 1/2" @ 4154'

ELECTRICAL SURVEYS  
 By Pioneer,  
 DL, CNL/GDL, MEL

REMARKS

Recommendations, 5 1/2" production casing was set, cemented in the Pauley Oil, Mary #1.  
 Respectfully submitted,  
 Jake Eastes, Petroleum Geologist

*(Signature of Jake Eastes)*



### LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool.Lime	Chert	Dolomite





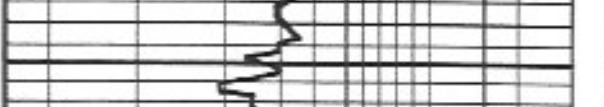

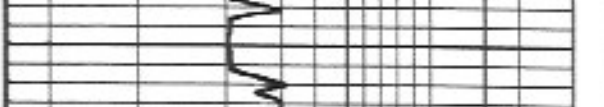






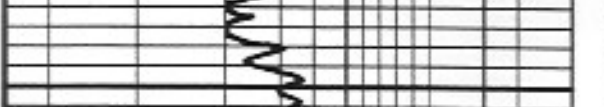
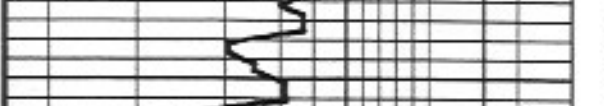
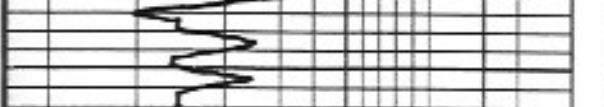
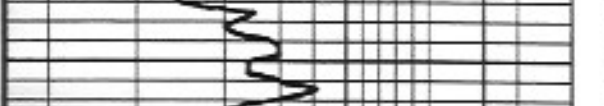


DRILLING TIME  
 Logarithmic Scale)

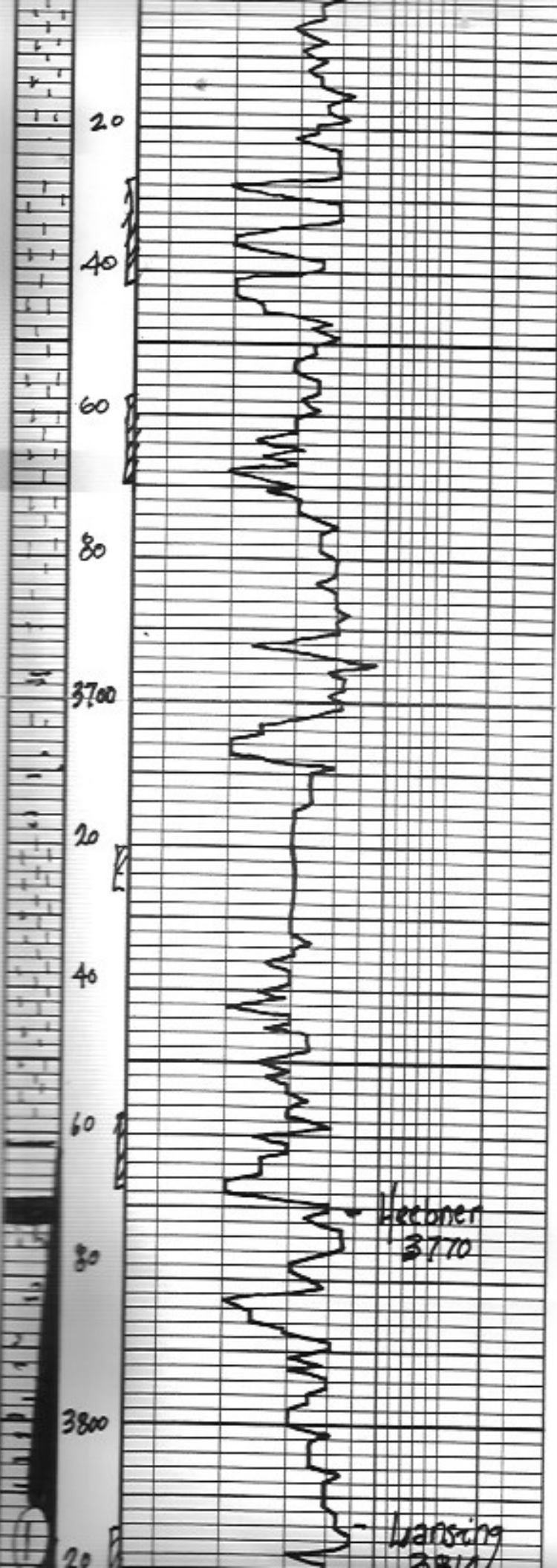
DEPTH

GEOLOGICAL

5092

207 L LOG

	.5    1    2    3    4    5    10    15    20    30	SAMPLE DESCRIPTIONS	REMARKS
			
20			
			
40			-2786 KB-
			
60			
			
80			
			
3500			
			
20			
			
40			
			
60			
			
80			
			



25 gm/cm, fxl: ool;  
 m. sh / tinted scatt

3 2  
 m. sh / brick red sh.

Jr. Sand: pk/wash/g;  
 Cal; few fossils

Ls/gm/cm, fxl, ool/foss;  
 Cherty; scatt

3 2  
 Ls/gm, Cherty; ool

Jr. blk carb. sh.

gm/man / brick red sh.

Ls, wsh/gm; (x4) few  
 ool; Cherty

3 2  
 sh / ls ool

Ls/wsh/gm; ool; Frb, Cherty

Jr. blk carb. sh  
 Ls/wsh/cm, fxl; few foss  
 Cherty

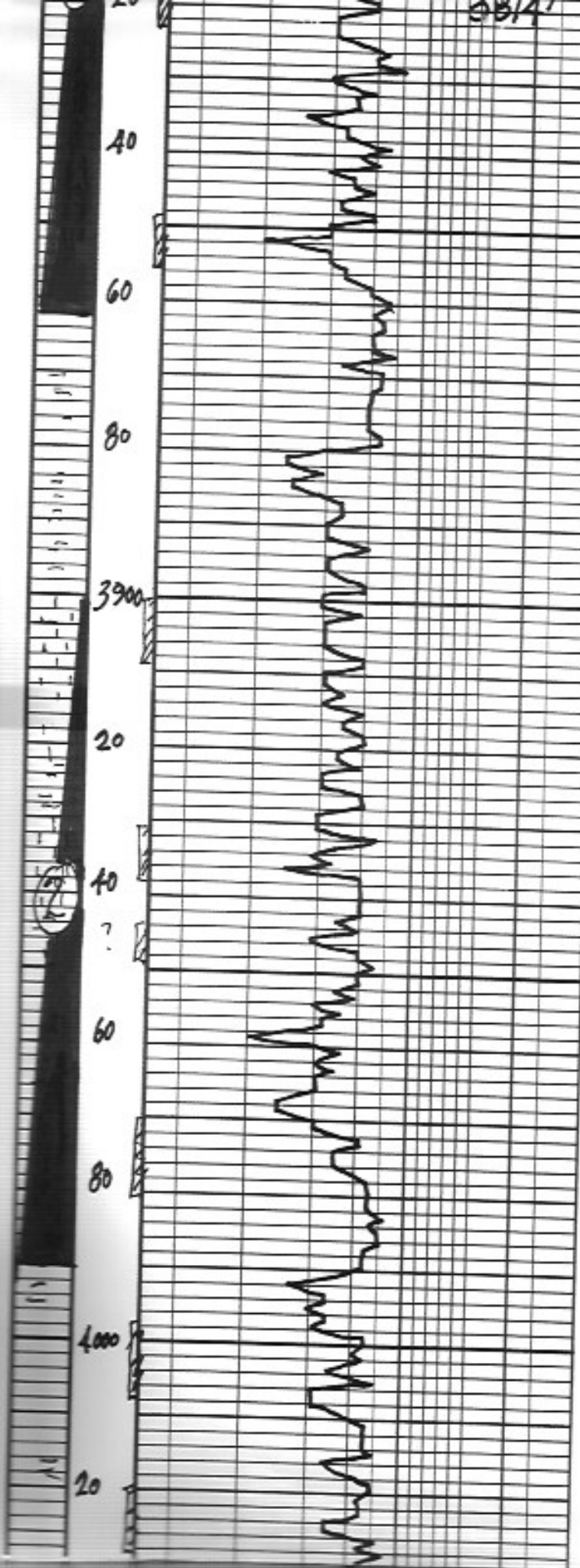
man/green-gm/brick red  
 sh.

3 2

Dst #1 3762-3862  
 30-30-45-60  
 Blow; strong  
 (Bob 12 mins)  
 2nd  
 opening; strong  
 (Bob 15 mins)  
 Rec:  
 68' clean oil  
 180' oil



3914'



LS, wh/crm, blk, fine  
vuggy - ppp, fr-stn/sat,  
fr-good str, ??? odor

~ gray/mar soft sh

LS wh, blk, frk; chunky; fr  
pp type, blk/brown str.  
? for ft odor.

??  
LS, crm/crm, fr-stn  
chunky, dense

~ gray/brown red/brown  
soft sh.

LS, crm, wh (fr-stn) few  
med, blk, (fr-stn); poorly  
dev of str;

~ gray/mar/brown  
soft sh

LS, crm/tan, frk, chunky,  
small pp, vuggy type;  
brown spots; no odor

??  
soft sh/brown - mar  
brick red

LS, crm/wh, frk, poorly  
dev fine vuggy type  
blk str, no odor;  
(few foss)

~ gray/brown red/brown  
soft sh

LS, crm, wh, (v)  
coll foss, chunky; poor vis of  
str

~ gray/brown red/green sh

LS, crm/wh, blk, few sub  
com, chunky; poor vis of str

189' oil cut mud  
(5% gas; 20% oil;  
75% mud)

pressures  
ISIP 301 psi  
SSIP 301  
IFP 23-74  
FFP 77-122  
HSH  
1819-1738 psi

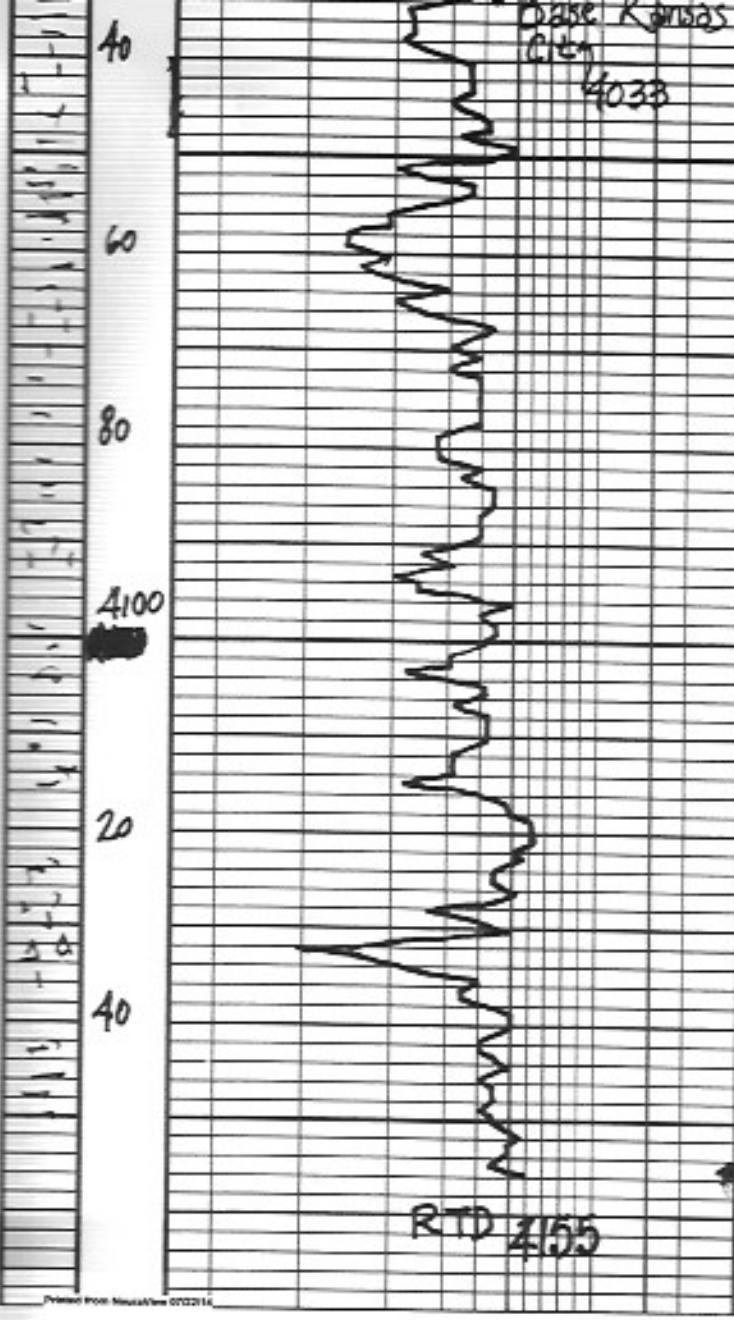
↑ Jim supervision  
↓ Jake ↓

DST# 2 3904  
- 3990

30-30-30-15  
Blow weak (3")  
2nd opening; weak  
(1 1/2")

Rec: 60' mud  
pressures, ISIP 848 psi  
SSIP 831  
IFP 12-27  
FFP 29-37  
HSH

1908  
- 1823 psi



gry/man sh; few silty  
 }  
 v.c. str

gr. ls; wh/cem, cherty  
 }  
 shale / ls; 2/3

gr. ls; clay; cherty - dy  
 v.c. silty shale  
 }  
 ls, wh/gry, f-med xl  
 cherty - dy

ls / shale aa  
 II-wh A