

# Terry McLeod

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## GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

OPERATOR Bessler Well Service  
 LEASE Schmidt-Friesen WELL NO. 30-1  
 FIELD Hollow Nickel  
 LOCATION N/2 NW/4 NE/4  
 SEC. 30 TWP. 22S RGE. 3W  
 COUNTY Harvey STATE Kansas

CONTRACTOR C+G Drilling Co. Rig # 1  
 COMM. 11/20/2017 COMP. 11/29/2017  
 RIG 2616 LOG TD 2610'  
 SAMPLES SAVED FROM 2206 TO RTD  
 DRILLING TIME KEPT FROM 2206 TO RTD  
 SAMPLES EXAMINED FROM 2206 TO RTD  
 GEOLOGICAL SUPERVISION FROM 2235 TO RTD  
 MUD UP 2206' TYPE MUD chemical

FORMATION	TOP	LOG DATUM	SAMPLE TOP DATUM	STRUCT. COMP.
Brown lime	2429	-975	2437-983	44
Lansing "C"	2467	-1013	2475-1021	42
Lansing "C"	2502	-1048	2510-1056	43

ELEVATION  
 KB 1454  
 DF 1448'  
 Measurements Are All From K.B.

CASING RECORD  
 SURFACE 13 3/8 @ 300'  
 PRODUCTION 5 1/2"

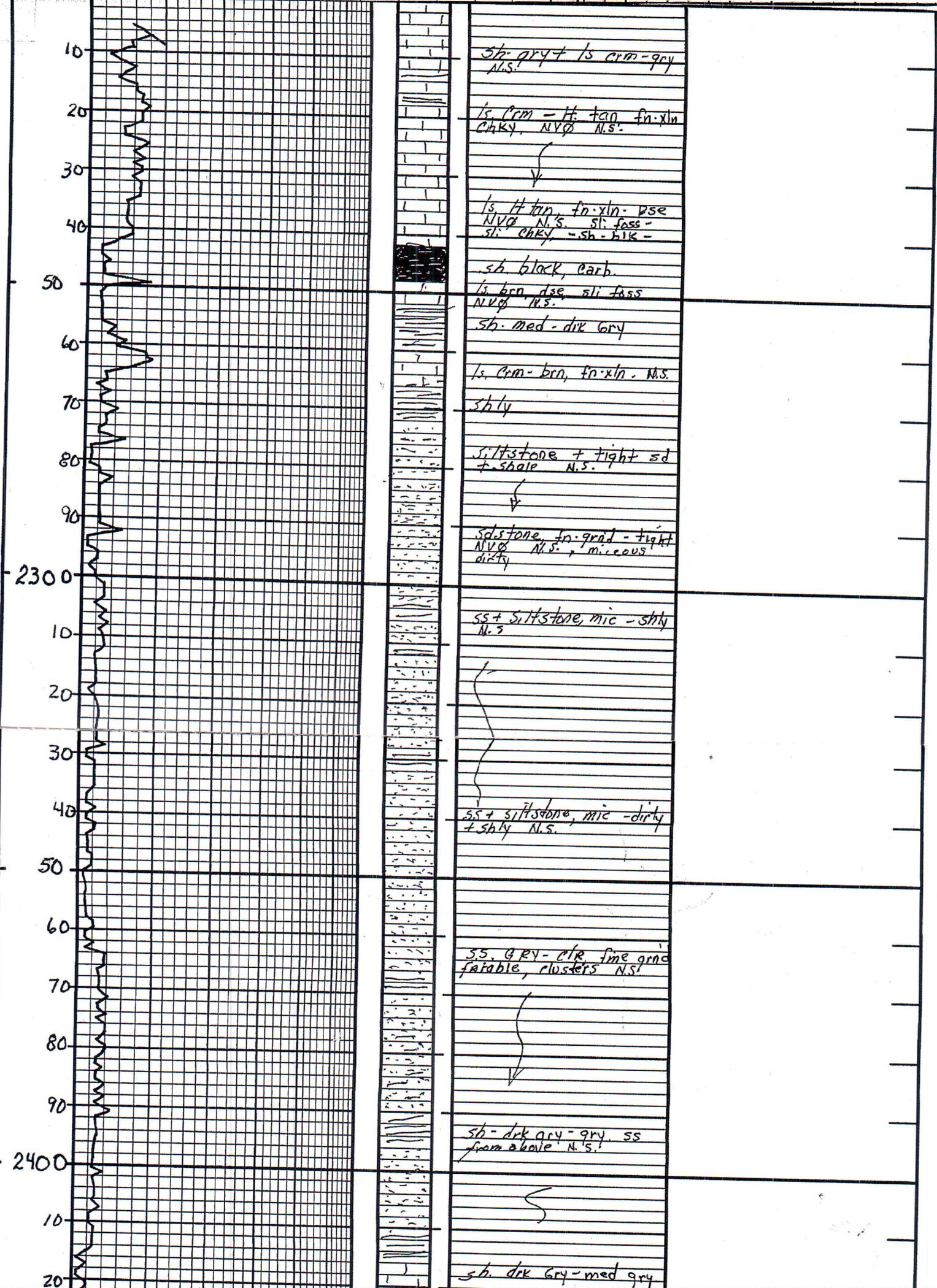
ELECTRICAL SURVEYS  
 Pioneer Energy Services  
 Density/Neutron  
 Dual Induction



REFERENCE WELL FOR STRUCTURAL COMPARISON Kantor Oil Co. Wardens 1B  
C 30 Sec. Sec 19 - 22S - 3W, Harvey Co. KS 1459 KCB

DATE	DEPTH	NO	SIZE	MAKE	TYPE
11/20/17	mirt	1	1 7/8		RR
11/21/17	300' shot down	2	7/8		PDC
11/26/17	300'	3	7/8	51159	
11/27/17	807' drlg				
11/28/17	2206' drlg				
11/29/17	2616' RTD-Elog				
	Run pipe				

FORMATION	INTERVAL	DESCRIPTION OF SHOW
Lansing "C"	2510-16	Limestone, grey to light brown, and oolitic w/ good show of f. f good odor w/ good sp. sat. in
		log measurements higher than drillers (6-8')



sh. gry + ls crm-gry  
N.S.

ls. crm - H. tan fn. xln  
chky, NVØ N.S.

ls. H tan, fn. xln - dse  
NVØ N.S. sli. foss -  
sli. chky. - sh. blk -

sh. black, carb.  
ls. brn, dse, sli. foss  
NVØ N.S.

sh. med - drk gry

ls. crm - brn, fn. xln - N.S.

shly

siltstone + tight sd  
+ shale N.S.

siltstone, fn. grad - tight  
NVØ N.S. + micaceous  
dirty

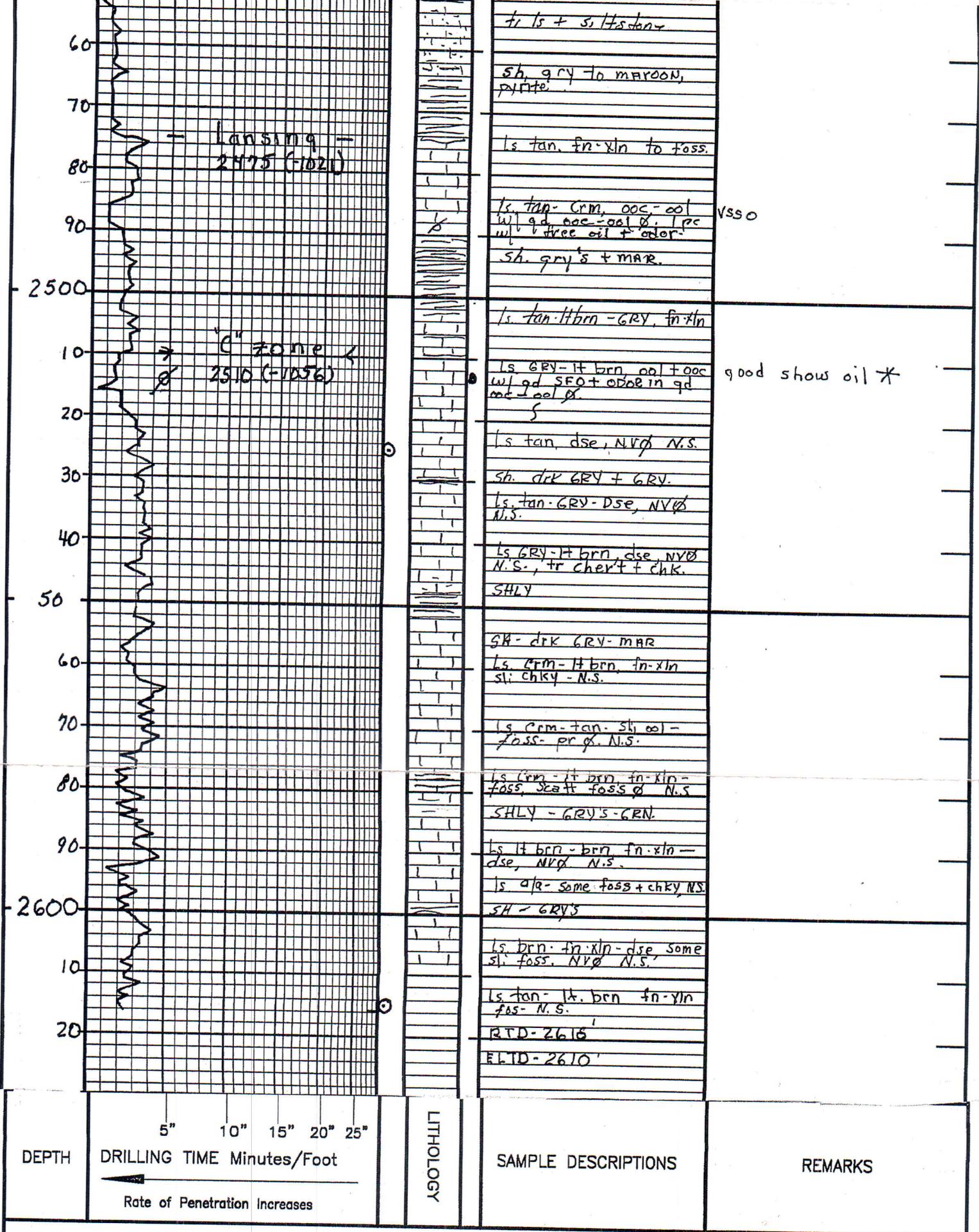
ss + siltstone, mic - shly  
N.S.

ss + siltstone, mic - dirty  
+ shly N.S.

ss. GRAY - drk fine grnd  
fabable, clusters N.S.

sh - drk gry - gry. ss  
from above N.S.

sh. drk gry - med gry



COMPANY Ressler Well Service  
 LEASE Schmidt - Friesen 30-1  
 LOCATION N/2 NW/4 NE/4 SEC. 30 TWP 22S RNG. 3W

ELEVATION: 1454 K.B.