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GEOLOGISTS WELL REPORT

COMPANY: FOSSTIL ENERGY, LLC. (34992)
WELL: Lee #1

FIELD: Heizer

LOCATION: N₂ SW SW NW
(Footages) 2016, FMI & 3301 FMI
Section 16 TWP 19S RGE 14W
(Map) 1 mi. So. of Heizer, Ka.

COUNTY: Barton STATE: Kansas
ELEVATION: 1902' K.B., 1894' G.L.

Depths measured from Kelly Bushing
A.P.I. NUMBER 15-099-26228
GEOLOGY BY: Randall Kilian

PERTINENT WELL DATA

CONTRACTOR: Southwind Drilling, Inc. (33350)
RIG #3 HYDRAULICS D-375 614x60
(Ray Kater TP)
DRILL PIPE 6 1/8" X-H COLLARS 14 (4151)
CASING: SURFACE 8 5/8" @ 840' w/ 350 ax 60/40 Poz
PRODUCTION: _____
DRILLING FLUID: COMPANY: Argita's Mud & Chemical Co.
TYPE: Chemical
REMARKS: Full service
DRILL STEM TESTS: COMPANY: _____

ELECTRIC LOGS: COMPANY: Pioneer Well Services
DETAIL (S): 2750-FMD
TYPE: DI, Comp N-D, Mono

DRILLING TIME FROM: 2750' TO: RTD
SAMPLE TIME FROM: 2750' TO: RTD
SUPERVISION FROM: 2750' TO: RTD

VERTICAL DEVIATION: ± @ 840', 1 1/2 @ 3600'
PLUGGING REPORT: 50 @ 2900', 50 @ 890', 50 @ 290',
10 @ 40' 50 @ 260' @ 60/40 Poz.
RESERVE PIT 100 Bbls., 5011, 69,000 Ga., 1290

DAILY REPORT

DATE: 7 am, Depth
RIG ACTIVITY
8-18-2018 MFRU
8-21-2018 Spud
8-22-2018 WOC
8-23-2018 Drilling shale & sand
8-24-2018 Drilling Topoka lime
8-25-2018 Drilling Hermann lime
8-26-2018 3600' TD P&A

DRILL STEM TESTS

NO	INTERNAL	DEPTH	ISD/DEPTH	FF/DEPTH	FS/DEPTH	HW/DEPTH	RECOVERY
1							
2							
3							
4							
5							
6							
7							
8							

MUD RECORD

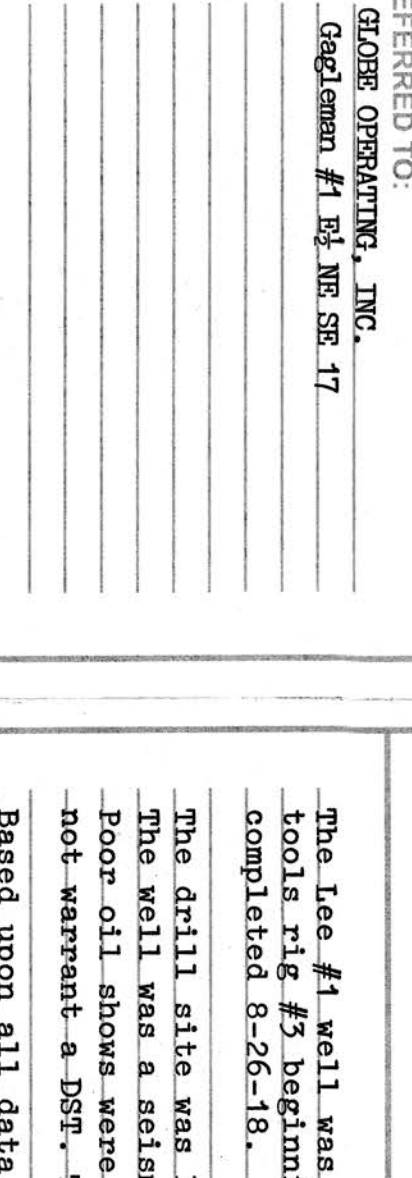
CHK	DEPTH	WT	VIS	FIL	CHL	YP
1	2678'					
2	2947'	8.7	60	8.0	4k	20
3	3380'	9.0	54			
4	3508'	9.3	53	9.2	4k	17
5						
6						
7						
8						
9						
10						
11						

Displaced LCM #1
LCM tr. #6092

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTHOUT	FEET	HOURS
1	12 1/2"	JZ	RR	840'	840'	10
2	7 7/8"	Varel	HE29	3600'	2740'	57 1/2
3						
4						
5						
6						
7						
8						

FORMATION TOPS & STRUCTURAL GEOLOGY



REFERRED TO: GORGE OPERATING, INC.
Geog. Name: #1 rd. NE. SE. T7

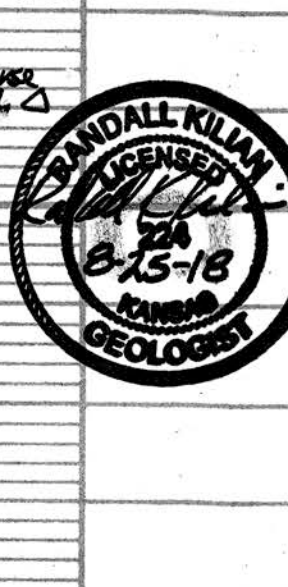
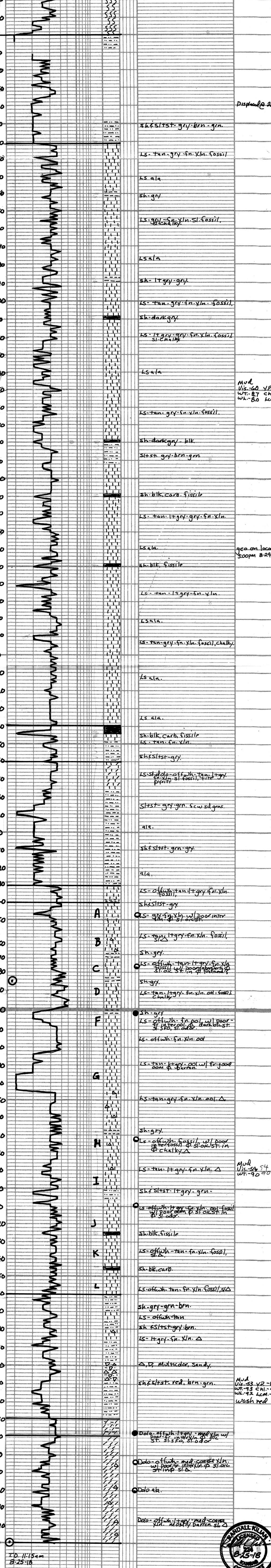
MARKERS	SAMPLES	E. LOGS	DATE/TIME	A	B	C	D	E
Anthonyville	8341	8361	+1066	+1084				
Base	8601	8611	+1041					
Topoka	28111	28101	-908	-902				
Heeb. Sh.	31931	31981	-1296	-1292				
Toronto	31601	31571	-1255	-1220				
Edmore In.	32201	32281	-1326	-1320				
Edmore	32401	32291	-1337					
Edm.	34601	34571	-1555					
Re-Arb.	35201	35201	-1628					
Arbuckle	35291	35411	-1639	-1613				

The first rock shows a Et. of 1897, however, the survey plat shows 1894, so use date of 1892.
Structural position of subject well as compared to referred well.

SUMMARY

The Lee #1 well was drilled with Southwind Drilling tools rig #3 beginning 8-21-18 and drilling was completed 8-26-18.
The drill site was located via a 3-D seismic survey. The well was a seismic hunt and ran low structurally. Poor oil shows were noted in several zones but did not warrant a BSF. The electric log was also negative. Based upon all data, the well was plugged as a dry hole.
Respectfully,
Randall Kilian

DRILLING TIME (min/ft)



TD 11:15 am
8-25-18