

KITT NOAH

PETROLEUM GEOLOGIST
Kansas License #229

Exploration & Production



ELIATION:
KB 3065
GL: 3060
MEASURED FROM:
KB

#15-109-21-488

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

OPERATOR: Russell Oil, Inc.
LEASE: Porter "B" WELL NO: #21-1
LOCATION: 745'FS & 928'FW
SEC: 21 **TWP:** 11S **RNG:** 32W
COUNTY: Logan **STATE:** Kansas

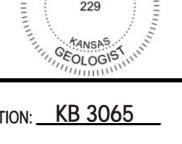
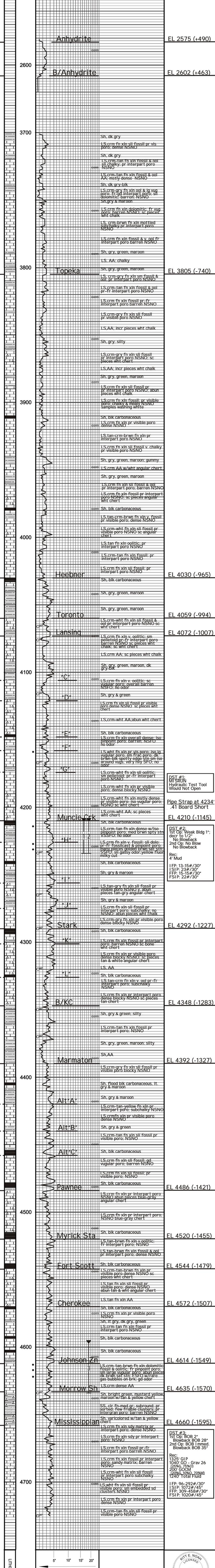
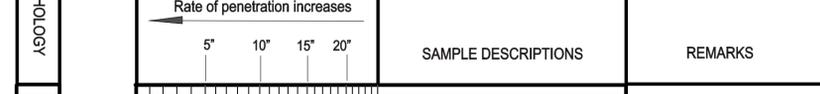
CASING RECORD:
SURFACE: 8.5/8" set at
319 W/200 SX.
PRODUCTION: 4.1/2" set
at 4712 W/200 SX.

PORT COLLAR: 2600'

FORMATION	TOP	LOG	DATE
Anhydrite	2575 (-490)		
B/Anhydrite	2602 (-463)		
Heebner	4030 (-965)		
Toronto	4059 (-994)		
Lansing	4072 (-1007)		
Stark	4292 (-1227)		
B/KC	4348 (-1283)		
Marmaton	4392 (-1327)		
Pawnee	4486 (-1421)		
Cherokee	4572 (-1507)		
Mississippian	4660 (-1595)		
R/D	4725 (-1660)		
L/D	4727 (-1662)		

CONTRACTOR: WW Drilling Rig #10
CONTRACT NO.: 1-6-2017
COMP.: 1-15-2017
RTD: 4725
LTD: 4727
SAMPLES SAVED FROM: 3700 to TD
DRILLING TIME SAVED FROM: 3700 to TD
SAMPLES EXAMINED FROM: 3700 to TD
GEOLOGICAL SUPERVISION FROM: 3820 to TD
MUD UP: 3392 MUD TYPE: CHEMICAL
Muddo - Reid AKKIS: 3
DRILL STEW TESTS TAKEN: 3
TRILOBITE - Bradley Walters
SURVEYS: Gemini Wireline, LLC
Compeared Density Neutron
Dual Induction
Microlog

LEGEND



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API: 15-109-21-488 FIELD: Rumback COUNTY: Logan STATE: Kansas