

# KITT NOAH

PETROLEUM GEOLOGIST  
Kansas License #229



ELEVATION: KB 3063  
GL: 3053  
MEASURED FROM: KB  
#15-109-21-397

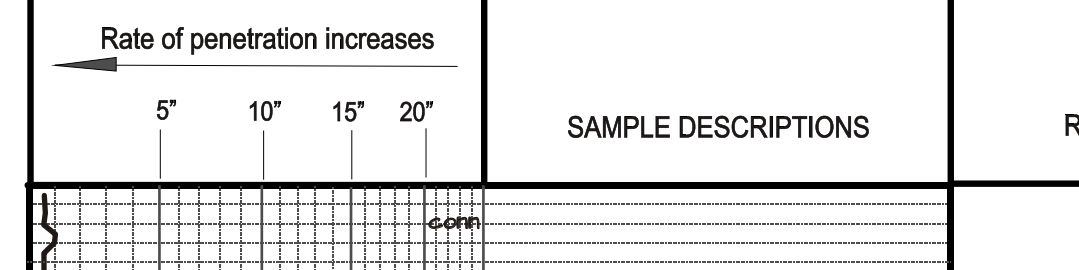
OPERATOR: Russell Oil, Inc.  
LEASE: Fouquet "B" WELL NO: #21-1  
LOCATION: 850'FN & 533'FW  
SEC: 21 TWP: 11S RNG: 32W  
COUNTY: Logan STATE: Kansas

FORMER LOG DATA  
Anyhrite 2574 (+489)  
B/Anyhrite 2601 (+462)  
Heebner 4019 (-956)  
Toronto 4042 (-979)  
Lansing 4063 (-1000)  
Stark 4280 (-1217)  
B/KC 4342 (-1279)  
Marmaton 4376 (-1313)  
Pawnee 4480 (-1417)  
Cherokee 4560 (-1497)  
Mississippian 4662 (-1599)  
R/D 4710 (-1647)  
LTD 4708 (-1645)

CONTRACTOR: Southwind Rig #1  
COMM: 3-10-2015 COMPL: 3-18-2015  
RTD: 4710 LTD: 4708  
SAMPLES SAVED FROM: 3700 to TD  
DRILLING TIME SAVED FROM: 3700 to TD  
SAMPLES EXAMINED FROM: 3800 to TD  
GEOLOGICAL SUPERVISION FROM: 3800 to TD  
MUD WT: 3400 MUD TYPE: GUMMIFIED  
MUDUC - REID ATHENS  
DRILL STEW TESTS TAKEN: 1  
Triobrite - Justin Harris

SURVEYS: Pioneer Energy Services  
Dual Compensated Porosity  
Dual Induction  
Microlog

## LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTIONS	REMARKS
	Rate of penetration increases 5" 10" 15" 20"		
		Anhydrite	EL 2574 (+489)
		B/Anhydrite	EL 2601 (+462)
2600		Sh gry & green LS crm fn xln all fossil pr visible poro NSNO LS crm-tan fn xln fossil & ool pr visible poro NSNO LS crm-tan fn xln fossil pr fr poro NSNO abun pieces wht chert Sh gry & green LS crm-wht fn xln dolomitic pr interpart poro NSNO sm pieces wht chalk LS crm fn xln all fossil pr fr interpart poro NSNO sc pieces wht chert Sh gry, green, maroon LS crm-wht fn xln fossil pr interpart poro NSNO LS crm-tan fn xln fossil & ool pr fr pinpoint poro NSNO Topeka Sh gry & green, mushy LS crm-gry fn xln all fossil pr sc fr interpart poro NSNO LS crm-wht fn xln v ool sil paleoool pr interpart poro subchaly NSNO LS wht fn xln ool pr fr interpart poro v chalky NSNO LS AA v chalky, samples washing white LS crm-wht fn xln fossil & ool pr interpart poro chalky NSNO Sh dk gry, green maroon LS crm-wht fn xln v ool pr interpart poro chalky NSNO LS AA Sh gry, green maroon LS crm-tan fn xln fossil pr visible poro dense NSNO LS crm-tan fn xln fossil w/d NSNO abun pieces wht chert Sh blk carbonaceous Sh v dk gry, silty Sh maroon & gry LS crm-wht fn xln pr visible poro dense NSNO LS crm-tan fn xln fossil & ool pr fr pinpoint poro NSNO Sh abun maroon LS crm fn xln fossil & ool pr fr interpart poro barren NSNO sc pieces wht chert Sh blk carbonaceous LS crm-gry fn xln all fossil pr interpart poro NSNO LS crm-gry fn xln sil fossil pr visible poro NSNO LS crm-tan fn xln ool pr fr interpart poro NSNO Heebner LS crm-tan AA Sh blk carbonaceous Sh gry, green maroon Toronto Sh AA LS crm fn xln oolitic subchaly NSNO Lansing Sh dk gry & maroon, gummy LS crm fn xln v oolitic pr fr interpart poro, chalky NSNO LS crm fn xln fossil & ool pr interpart poro dense NSNO LS AA w/incl amt wht chalk Sh gry, green maroon "C" LS crm-tan fn xln fossil & ool pr interpart poro, v chalky barren NSNO "D" Sh red gummy LS crm fn xln all fossil pr interpart poro dense NSNO sc pieces tan chert LS crm-wht fn xln all fossil pr visible poro NSNO abun pieces wht chert "E" Sh blk carbonaceous "F" LS crm-gry fn xln sil fossil pr interpart poro sm poss trac poro barren NSNO "G" LS, wht fn xln ool pr fr pinpoint poro few pieces of pr visible poro NSNO sc fine pp bds FO or lark; no odor sc tan chert LS crm-wht fn xln all ool pr interpart poro subchaly NSNO sc wht & tan chert LS crm-wht fn xln sil fossil pr visible poro barren dense NSNO LS AA LS crm-gry fn xln all fossil pr visible poro dense NSNO abun pieces wht chert Muncie Crk Sh blk carbonaceous Sh gry, green maroon "H" LS crm fn xln rare pieces ool sil crm pr interpart poro, one piece only med br wht sat stn in dry sample, no show trace oil in wet sample, no odor LS crm-gry fn xln sil fossil pr visible poro dense NSNO "I" Sh blk carbonaceous Sh gry, green maroon "J" LS crm fn xln all oolitic pr interpart poro subchaly NSNO Stark LS AA Sh blk carbonaceous "K" Sh dk gry, green maroon LS crm-gry fn xln fossil & ool pr interpart poro, v chalky barren NSNO LS crm fn xln all fossil pr yan chert "L" Sh blk carbonaceous LS crm fn xln sil fossil pr visible poro barren NSNO sc pieces wht chert LS crm fn xln all fossil pr visible poro NSNO B/KC LS AA Sh gry, green maroon LS crm-wht fn xln sil fossil pr interpart poro chalky NSNO sc wht & yellow chert LS crm fn xln all fossil pr visible poro chalky NSNO sc wht chert Marmaton Sh maroon gummy LS crm-pink-gry fn xln sil ool pr visible poro NSNO Alt "A" Sh gry & maroon LS crm-tan fn xln pr visible poro, dense blocky NSNO LS AA Alt "B" Sh dk gry & green LS crm-yellow fn xln ool blocky med br interpart poro many pieces mushy wht chalk LS crm fn xln all fossil pr visible poro NSNO Alt "C" Sh lt gry LS crm-wht fn xln fossil pr interpart poro v dense NSNO LS crm-gry fn xln all pr interpart poro NSNO abun mushy wht chalk LS AA Sh blk carbonaceous Pawnee Sh gry, green maroon LS crm-gry fn xln all fossil pr interpart poro chalky, mealy NSNO LS crm-wht fn xln all fossil pr visible poro dense NSNO mealy Myrick Star Sh blk carbonaceous Sh gry, green maroon LS crm-tan fn xln sil fossil pr visible poro dense NSNO Fort Scott Sh blk carbonaceous LS tan crm fn xln fossil & ool pr interpart poro NSNO sc pieces tan translucent chert LS crm-tan fn xln ool pr visible poro, misty dense NSNO Cherokee LS AA Sh blk carbonaceous Sh lt gry, green maroon LS tan fn xln fossil pr interpart poro NSNO dense Sh blk carbonaceous Sh blk carbonaceous Johnson Zn Sh gry, green maroon LS crm fn xln fossil & ool pr interpart poro, NSNO many pieces appear chalky Morrow Sh LS AA dense & chalky Sh bright green & maroon Sh bright green, gry, mustard yellow, sharp wht & yellow chert SS abun clusters fn grained pr interpart poro, well sorted friable NSNO Mississippian Sh bright green, gry, mustard yellow LS crm-yellow fn xln embedded sd grains pr interpart poro subchaly NSNO LS wht-yellow fn xln pr interpart poro, many embedded sd grains subchaly NSNO LS crm-wht fn xln fossil pr interpart poro many embedded sd grains NSNO LS crm-yellow fn xln embedded sd grains pr interpart poro subchaly NSNO LS crm-wht fn xln sil fossil sdy matrix pr interpart poro, dense NSNO	

DST #1:  
1st Op: Weak; Died 9"  
No Blowback  
2nd Op: Dead; Flush  
Tool: No Help  
No Blowback

Rec:  
5" Mud w/oil spots

IFP: 16-19#/30"  
ISIP: 136#/30"  
FFP: 20-21#/30"  
FSIP: 96#/30"

Pipe Strap at 4258'  
.72 Board Long

EL 4202 (-1139)

EL 4280 (-1217)

EL 4342 (-1279)

EL 4376 (-1313)

EL 4480 (-1417)

EL 4510 (-1447)

EL 4534 (-1471)

EL 4560 (-1497)

EL 4603 (-1540)

EL 4622 (-1559)

EL 4662 (-1599)



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LEASE: Fouquet "B" WELL NO: #21-1 SEC: 21 TWP: 11S RNG: 32W  
API: 15-109-21-397 FIELD: Wildcat COUNTY: Logan STATE: Kansas