Timothy G. Pierce
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil and Gas, Inc.
LEASE MNM Partnership 'A' #1 "OWWO"
FIELD Wildcat
LOCATION 520' FNL & 1160' FWL
SEC 16 TWSP 17 S RGE 22 W
COUNTY Ness STATE Kansas

CONTRACTOR Duke Drilling Co. Rig #2
SPUD 1-05-2011 COMP 1-07-2011
RTD 4535 LTD NA
MUD UP NA TYPE MUD Chemical

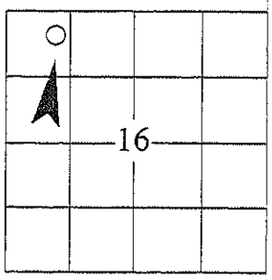
SAMPLES SAVED FROM 4422 TO RTD
DRILLING TIME KEPT FROM 4422 TO RTD
SAMPLES EXAMINED FROM 4422 TO RTD
GEOLOGICAL SUPERVISION FROM Surface to RTD
GEOLOGIST ON WELL Tim Pierce

ELEVATIONS
KB 2333'
DF
GL 2325'
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR
SURFACE 8-5/8" at 316'
PRODUCTION 4-1/2" at 4529'

ELECTRICAL SURVEYS
None

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Heebner Shale	3730 (-1400)	
Lansing	3772 (-1442)	
Pawnee	4152 (-1822)	
Cherokee Shale	4263 (-1933)	
Mississippi	4361 (-2031)	
	Electric log tops using old KB	



API# 15-135-24,301-00-01

REMARKS *The old KB elevation was 2330', new KB elevation is 2333' therefore old TD using new KB should have been 4418'. Production pipe was run to test the Cherokee for commercial production.*

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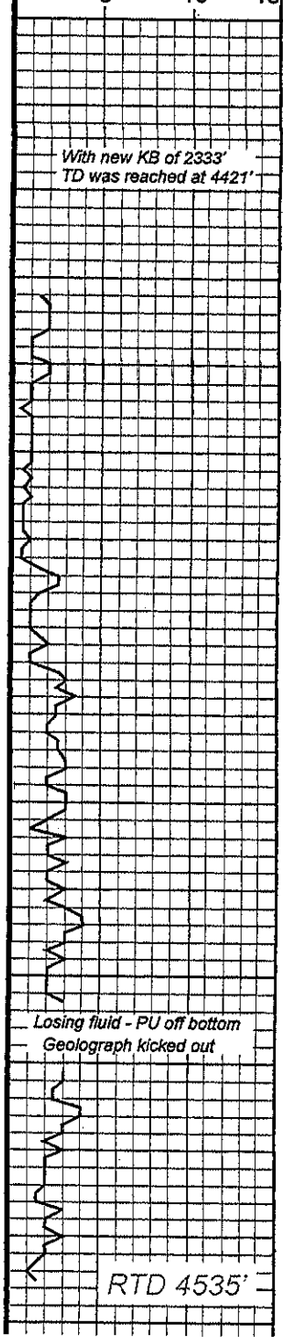
LEGEND

Anhydrite | Sandstone | Limestone | Shale | Carb Sh | Cherty LS | Chert | Dolomite



DEPTH

LITHOLOGY

GAS SCALE

10 50 100 500

DEPTH	SAMPLE DESCRIPTION	REMARKS
		1-05-11 - MIRT-RU
4400	*Reached old TD at 4:30 AM 1-7-2011*	1-06-11 - 7:00 AM Drill rat and mouse hole - 9:30 AM start washing down old hole - reached old TD at 4:30 AM 1-7-11
	Chert - wht-gr-tan, opaque to translucent, fresh to slt weathered, blocky to angular, no show	1-07-11 - 7:00 AM drlg new hole @ 4470' RTD 4535' @ 12 PM
50	*LS - tan-gr, fn xtln to slt granular, dense*	
	LS - tan-gr, fn xtln, dense	
4500	*Dolo - tan-lt gr, sucrosic to fn xtln, scat gd vug por, gd int xtln por*	
	Dolo - lt gr-tan, sucrosic, gd vug and int xtln por	
	Sh - blk-gr	