

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY: SHAKESPEARE OIL CO.
LEASE: Outlay-121
FIELD: Wildcat
LOCATION: 1307 FMS, 1050' FWL
SOC: 21 TMS# 14S RGE 32W
COUNTY: Logan STATE Kansas
CONTRACTOR: HD Drilling Rig #2
SPUD: 3-12-12 **COMP:** 4-10-12
RTD: 4490' **LTD:** 4486'
MUD UP: 3500' **TYPE MUD:** Chemical
SAMPLES SAVED FROM: 3600' to RTD
DRILLING TIME KEPT FROM: 3600' to RTD
SAMPLES EXAMINED FROM: 3650' to RTD
GEOLOGICAL SUPERVISION FROM: 3700' to RTD
GEOLOGIST ON WELL: Tim Priest

ELEVATIONS
KG 2763'
DF _____
GL 2753'

CASINGS
CONDUCTION: N/A
SURFACE: 8-5/8" @ 223'
PRODUCTION: 5-1/2" @ 4490'

Measurements Are All From KB

FORMATION TOPS

FORMATION	ELECTRIC LOG	SAMPLE
Anhydrite	2208 (-4555)	2207 (+556)
Heebner Shale	3708 (-945)	3711 (-948)
Amisburg	3753 (-990)	3752 (-989)
BK.C	3996 (-1233)	3999 (-1236)
Fort Scott	4073 (-1310)	4075 (-1312)
Cherokee Shale	4266 (-1503)	4263 (-1500)
Mississippian	4408 (-1646)	4413 (-1650)

REMARKS Due to the results of drill stem tests, it was decided to set production casing to further test the well.

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-109-21043-00-00

