GEOLOGIST'S REPORT

OPERATOR **KINNEY OIL COMPANY**
LEASE **MOSER #1-11**
LOCATION **330' FNL 1600' FWL**
SEC. **11** TWSP **2S** RGE **13E**
COUNTY **NEMAHA** STATE **KANSAS**
FIELD **WILDCAT**

CONTRACTOR SUMMIT DRILLING CO. RIG NO. 1
COMMENCED APRIL 9, 2012 COMPLETED APRIL 13, 2012
MUD DISPLACED 800' MUD TYPE CHEMICAL
DRILLING TIME KEPT FROM 300' TO 950
SAMPLES SAVED FROM 300' TO 950
SAMPLES EXAMINED FROM 300' TO 950
GEOLOGICAL SUPERVISION FROM 300' TO 950
GEOLOGIST ON WELL STEPHEN J MILLER

FORMATION NAME	LOG		SAMPLE	
	TOP	DATUM	TOP	DATUM
HEEBNER SHALE	414	+862	417	+859
LANSING LIME	526	+750	528	+748
BASE KANSAS CITY	787	+489	790	+486
GRANITE	879	+397	885	+391
TOTAL DEPTH	950	+326	950	+326

ELEVATIONS

KB **1276**
GL **1266**

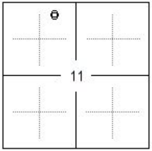
ALL MEASUREMENTS FROM K.B.

CASING RECORD

Conductor
Surface 8 5/8"@ 261'
Production

ELECTRICAL SURVEYS:

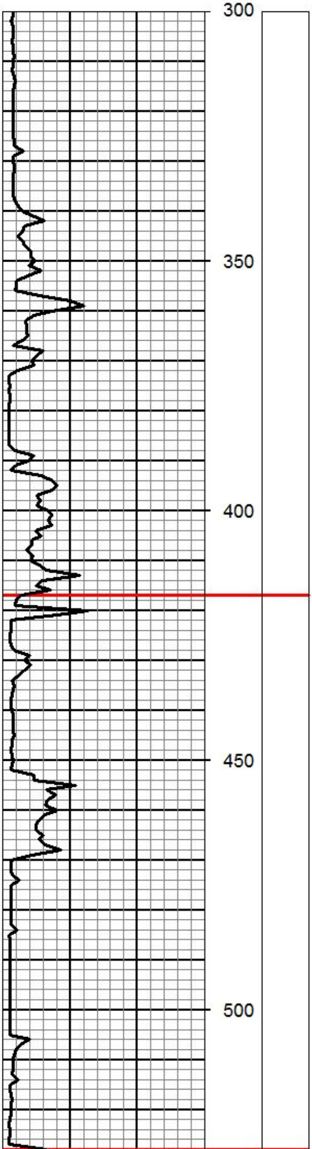
TUCKER WIRELINE
DUAL INDUCTION
COMP NEU-DEN
SONIC LOG
MICRO LOG



REMARKS

API 15-131-20230
Drilling Fluids: FUD MUD
Drill Stem Testing:
Gas Trailer: EARTH-TECH
Reserve Pit Chlorides:

DRILL TIME (MIN/FT)	DEPTH	LITHOLOGY	SHOWS	SAMPLE DESCRIPTIONS	REMARKS



Sandstone gray VF grain sub rd silty mica no vis por

Shale gray sandy mica soft

Limestone gray crm f-xln sli fos pyr

Shale blk carb

Shale grn sandy pyr

Limestone grn f-xln fos fuss

Shale gray silty pyr sli mica

Limestone gray tan f-xln fos dense

Limestone crm gray f-xln sli fos dense

Shale black carb

Shale grn maroon sandy pyr

Shale red brn grn silty sli sandy soft

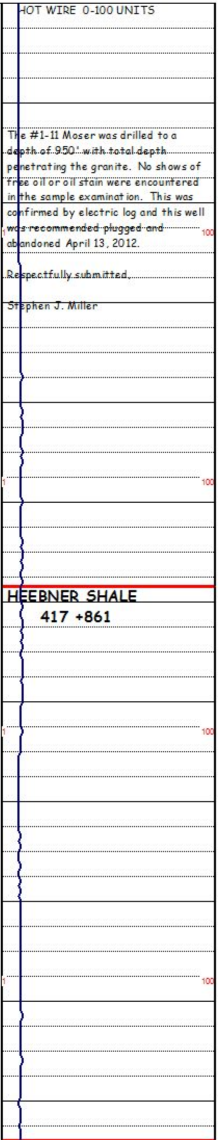
Limestone crm f-xln sli fos sli chalky

Shale gray sli silty sli mica

Shale gray sli sandy sli mica blocky

Limestone dk gray f-xln v fos dense

Shale olive brn sli sandy sli mica



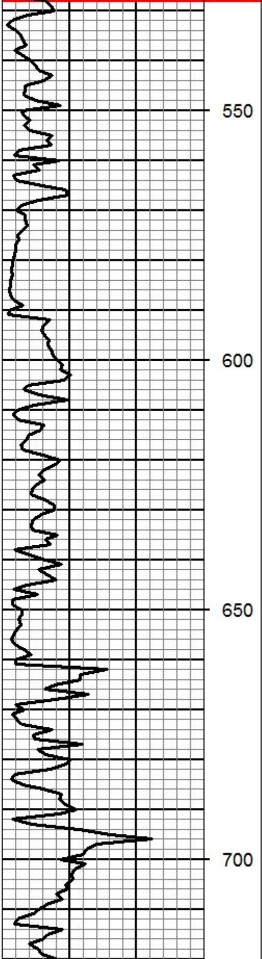
The #1-11 Moser was drilled to a depth of 950' with total depth penetrating the granite. No shows of free oil or oil stain were encountered in the sample examination. This was confirmed by electric log and this well was recommended plugged and abandoned April 13, 2012.

Respectfully submitted,

Stephen J. Miller

HEEBNER SHALE

417 +861



Limestone gray crm f-xln fos ool sli chalky

Shale gray dk gray sandy s li mica

Limestone gray f-xln ool ooc p ooc por v sli show tarry oil cut and flor NSFO no odor

Shale lt gray lt grn silty s andy sli pyr

Limestone lt gray f-xln dense

Shale lt gray gray grn s li s andy pyr

Limestone crm wht f-xln sli fos ool some dark ool sli chalky

Shale gray lt gray sandy mica sli pyr plant fragments

Limestone gray f-xln fos ool ooc p ooc por p-f fos-cast por chalky NS

Limestone gray f-xln sli fos s li chalky dense

Shale black carb blocky

Limestone gray dk gray f-xln sli pyr dense

Shale gray silty s li pyr

Limestone crm tan gray f-xln fos pyr dense

Shale lt gray lt grn silty s andy sli ool

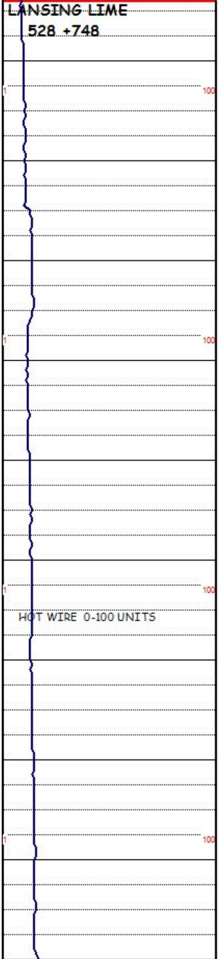
Limestone crm tan gray f-xln v fos chalky

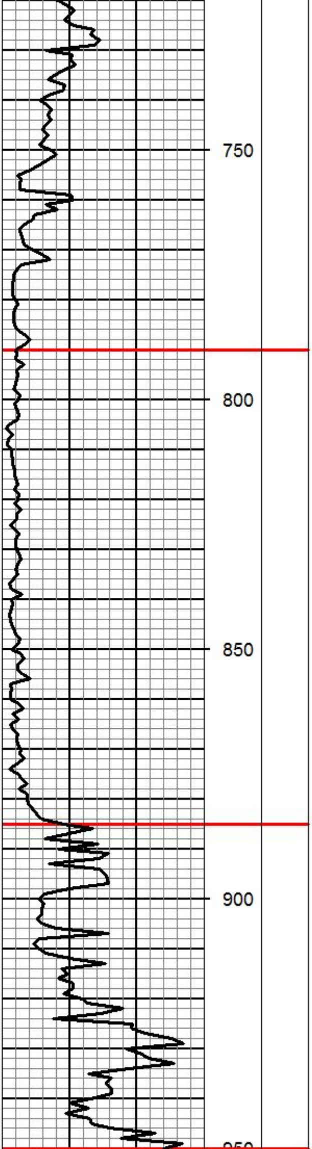
Limestone tan crm f-xln v fos v ool dk ool s cat int ool por sli chalky NS

Limestone gray f-xln sli fos dense w/ chert lt gray fresh

Shale black carb

Shale brn grn sandy





Limestone crm lt gray f-xln chalky dense

Limestone crm f-md-xln sli fos sli chalky

Shale black carb

Limestone crm gray f-md-xln sli fos sli chalky dense

Shale lt gray lt grn silty sandy pyr

Limestone gray tan f-md-xln fos sli glauc dense

Shale grn gray red silty sandy

Sandstone uncons clear to orange f-lg grain sub ang to rounded few clusters ang grain w/ p vis por NS

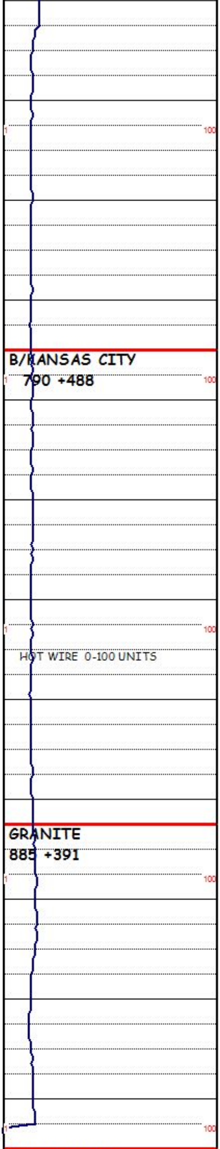
Limestone crm gray f-xln sli fos sli pyr

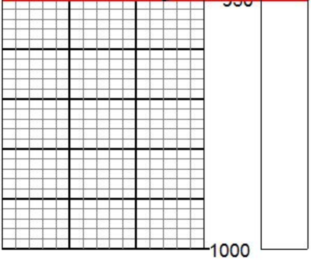
Sandstone f-lg grain clear to orange sub ang to rounded few pieces of feldspar

Sandstone clear f-lg grain sub ang to sub rounded biotite

Granite black orange primarily quartz w/ biotite feldspar

Granite black orange quartz w/ biotite, some feldspar





TOTAL DEPTH
950 +326

Operator:	KINNEY OIL COMPANY
Lease:	MOSER #1-11

Location: 330' FNL 1600' FWL SEC. 11 TWSP 2S RGE 13E

County: NEMAHA **State:** KANSAS