GEOLOGIST'S REPORT

OPERATOR **KINNEY OIL COMPANY**
LEASE **HAMMES #1-36**
LOCATION **500' FSL 2075' FEL**
SEC. **36** TWSP **2S** RGE **13E**
COUNTY **NEMAHA** STATE **KANSAS**
FIELD **WILDCAT**

CONTRACTOR SUMMIT DRILLING CO. RIG NO. 1
COMMENCED APRIL 2, 2012 COMPLETED APRIL 5, 2012
MUD DISPLACED 800' MUD TYPE CHEMICAL
DRILLING TIME KEPT FROM 300' TO 1070'
SAMPLES SAVED FROM 300' TO 1070'
SAMPLES EXAMINED FROM 300' TO 1070'
GEOLOGICAL SUPERVISION FROM 300' TO 1070'
GEOLOGIST ON WELL STEPHEN J MILLER

FORMATION NAME	LOG		SAMPLE	
	TOP	DATUM	TOP	DATUM
HEEBNER SHALE	482	+876	482	+876
LANSING LIME	615	+743	598	+760
BASE KANSAS CITY	865	+493	868	+490
SIMPSON SAND	967	+391	966	+392
GRANITE	988	+370	989	+369
TOTAL DEPTH	1067	+291	1070'	+294

ELEVATIONS

KB **1358**
GL **1348**

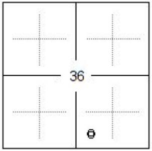
ALL MEASUREMENTS FROM K.B.

CASING RECORD

Conductor
Surface 8 5/8"@ 262'
Production

ELECTRICAL SURVEYS:

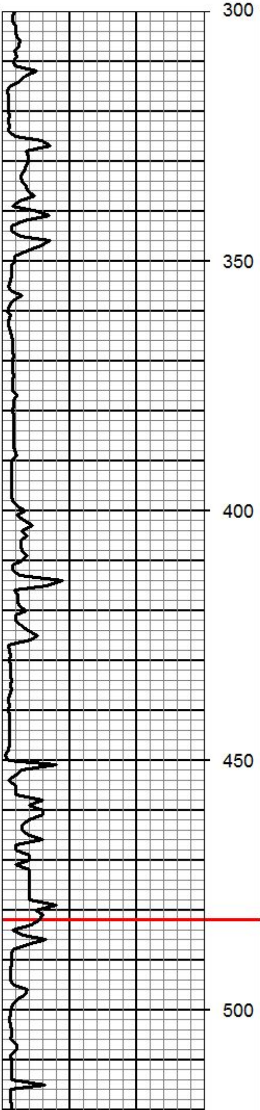
TUCKER WIRELINE
DUAL INDUCTION
COMP NEU-DEN
SONIC LOG
MICRO LOG



REMARKS

API 15-131-20231
Drilling Fluids: FUD MUD
Drill Stem Testing:
Gas Trailer: EARTH-TECH
Reserve Pit Chlorides:

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



Shale gray mica silty

Limestone gray f-xln fos mottled sli chalky

Sandstone lt grn VF grain silty no vis por NS

Limestone crm f-xln fos sli ool sli chalky

Sandstone gray f grain sub ang mica sli pyr silty carb no vis por NS

Limestone lt gray f-xln sli fos fuss sli chalky

Shale black carb

Limestone lt gray tan f-xln fuss dense

Shale gray sli silty soft

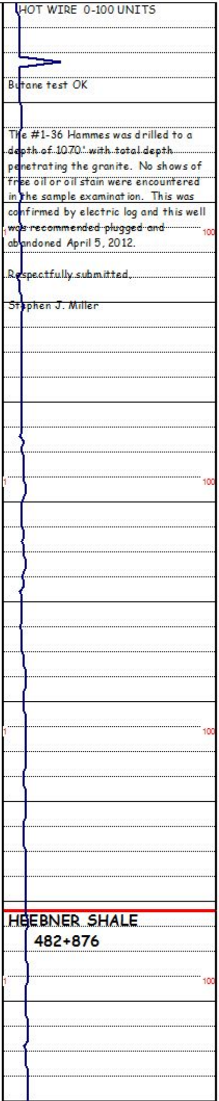
Limestone gray f-xln sli fos sli chalky

Limestone crm tan f-xln sli fos sli chalky

Shale black carb sli pyr

Shale grn brn silty sli mica

Sandstone gray f grain silty sli mica no vis por NS



Butane test OK

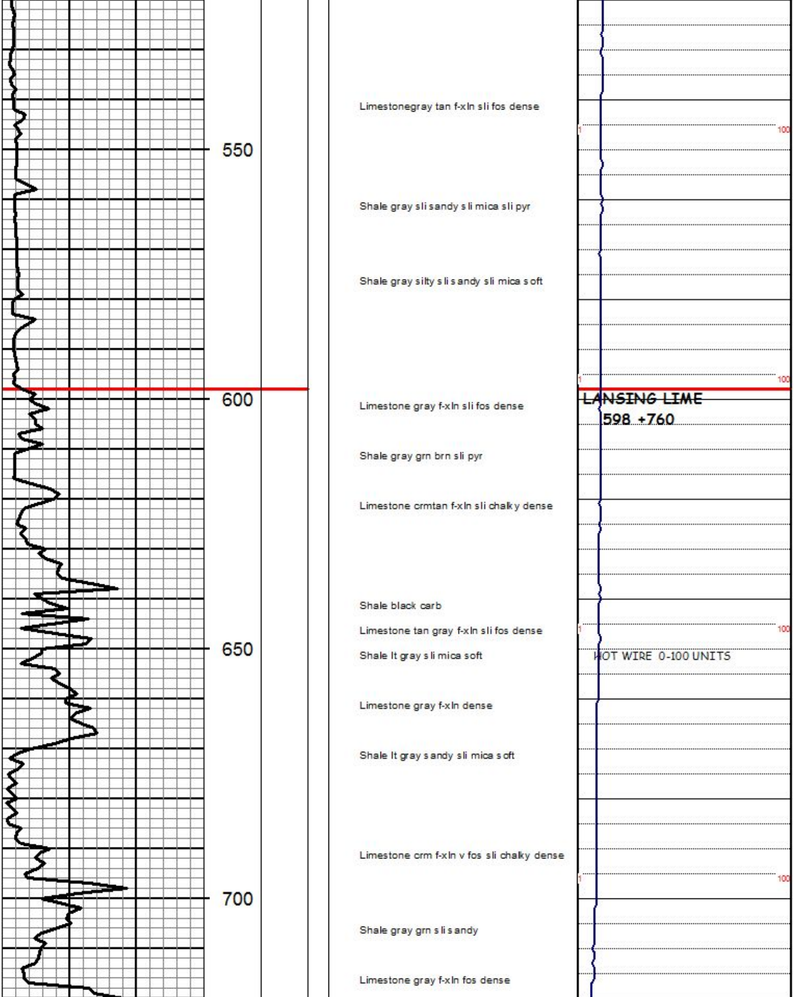
The #1-36 Hammes was drilled to a depth of 1070' with total depth penetrating the granite. No shows of free oil or oil stain were encountered in the sample examination. This was confirmed by electric log and this well was recommended plugged and abandoned April 5, 2012.

Respectfully submitted,

Stephen J. Miller

HEEBNER SHALE

482+876



Limestonegray tan f-xln sli fos dense

Shale gray sli sandy sli mica sli pyr

Shale gray silty sli sandy sli mica soft

Limestone gray f-xln sli fos dense

Shale gray grn brn sli pyr

Limestone crmtan f-xln sli chalky dense

Shale black carb

Limestone tan gray f-xln sli fos dense

Shale lt gray sli mica soft

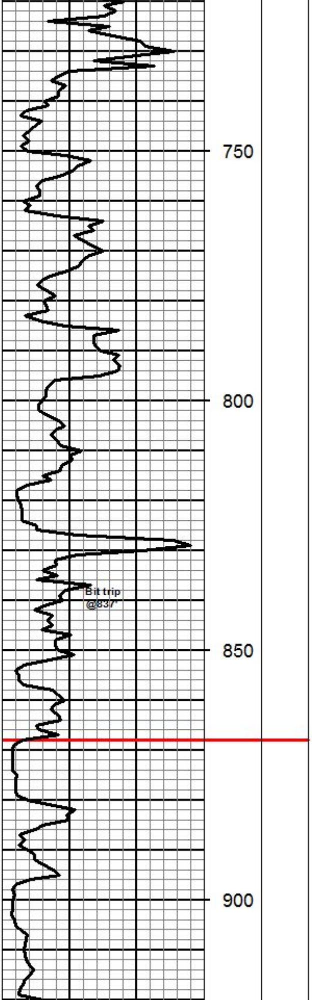
Limestone gray f-xln dense

Shale lt gray sandy sli mica soft

Limestone crm f-xln v fos sli chalky dense

Shale gray grn sli sandy

Limestone gray f-xln fos dense



Shale black carb

Limestone dk gray f-xln sli fos dense

Shale gray lt gray silty sli sandy

Limestone tan f-xln sli fos dense

Shale grn lt gray sandy pyr

Limestone crm tan f-xln v fos sli chalky dense

Shale black carb

Limestone gray lt gray dense w/ chert lt gray fresh

Limestone crm wht f-xln sli fos sli chalky

Shale black carb sli fis

Limestone crm gray f-xln fos dense

Shale gray brn silty

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

Shale grn brn sandy sli pyr

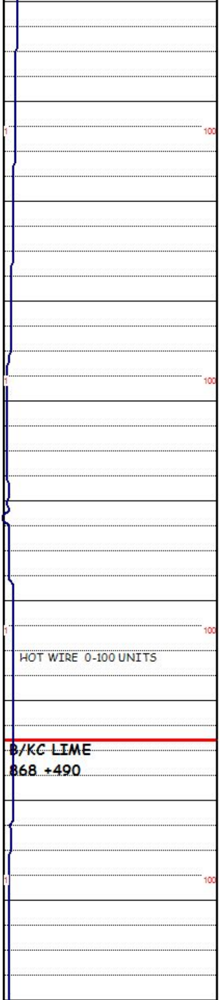
Limestone crm tan f-xln fos sli ool sli chalky no vis por NS

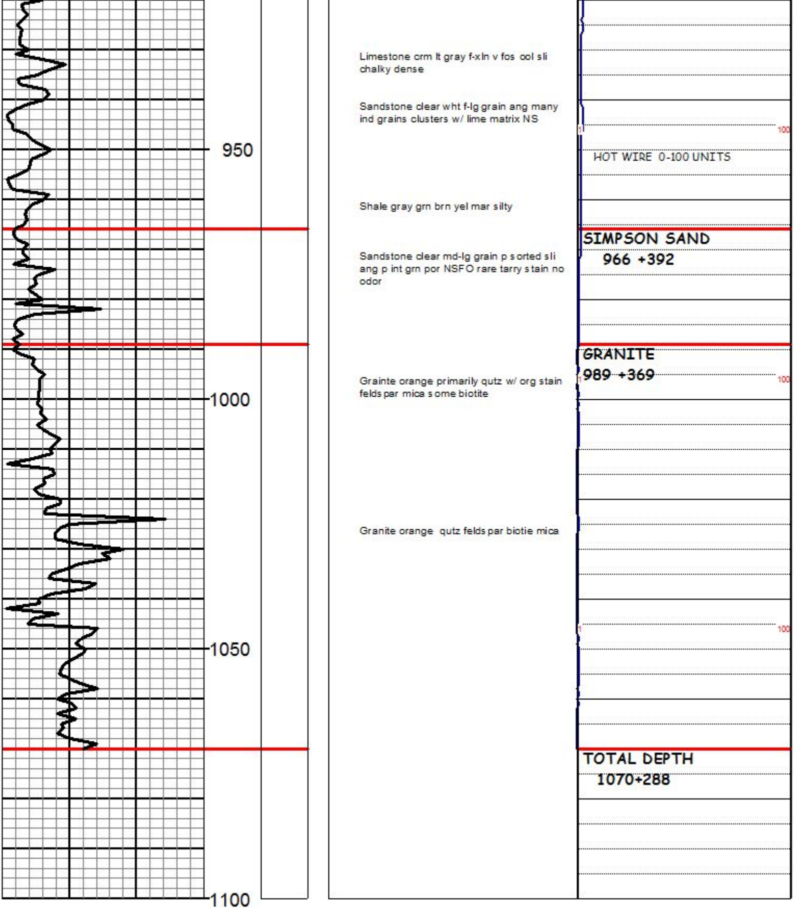
Shale grn gray sandy pyr

Limestone crm gray f-xln v fos sli chalky no vis por NS

Shale dk gray gray brn grn pyr sandy

Shale le gray gray sandy pry sli mica





Limestone crm lt gray f-xln v fos ool sli chalky dense

Sandstone clear wht f-lg grain ang many ind grains clusters w/ lime matrix NS

Shale gray grn brn yel mar silty

SIMPSON SAND
966 +392

Sandstone clear md-lg grain p sorted sli ang p int grn por NSFO rare tarry stain no odor

GRANITE
989 +369

Grainte orange primarily qutz w/ org stain feldspar mica some biotite

Granite orange qutz feldspar biotie mica

TOTAL DEPTH
1070+288

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County: **NEMAHA** State: **KANSAS**