GEOLOGIST'S REPORT

OPERATOR **KINNEY OIL COMPANY**
LEASE **LAUB #1-15**
LOCATION **330 FNL 1650 FEL**
SEC. **15** TWSP **3S** RGE **13E**
COUNTY **NEMAHA** STATE **KANSAS**
FIELD **WILDCAT**

ELEVATIONS

KB **1337**
GL **1327**

ALL MEASUREMENTS FROM K.B.

CONTRACTOR SUMMIT DRILLING CO. RIG NO. 1
COMMENCED OCT 8, 2012 COMPLETED OCT 12, 2012
MUD DISPLACED 900' MUD TYPE CHEMICAL
DRILLING TIME KEPT FROM 400 TO 1360
SAMPLES SAVED FROM 400 TO 1360
SAMPLES EXAMINED FROM 400 TO 1360
GEOLOGICAL SUPERVISION FROM 400 TO 1360
GEOLOGIST ON WELL STEPHEN J MILLER

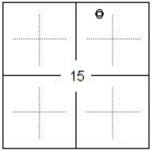
CASING RECORD

Conductor
Surface 8 5/8"@ 268'
Production

ELECTRICAL SURVEYS:

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

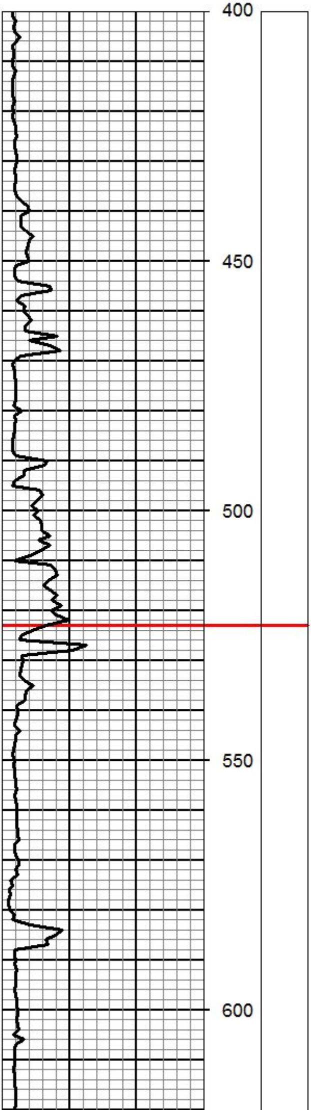
FORMATION NAME	LOG		SAMPLE	
	TOP	DATUM	TOP	DATUM
HEEBNER SHALE	523	+814	523	+814
LANSING LIME	658	+679	659	+678
BASE KANSAS CITY	930	+407	932	+405
VIOLA LIME	1059	+278	1059	+278
SIMPSON SAND	1279	+58	1280	+57
GRANITE	1310	+27	1310	+27
TOTAL DEPTH	1359	-22	1360	-23



REMARKS

API 15-131-20233
Drilling Fluids: FUD MUD
Drill Stem Testing:
Gas Trailer: EARTH-TECH
Reserve Pit Chlorides:

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



Sandstonegray f grain sub angular mica sli carb no vis por NS

Limestone lt gray f-xln sli fos sli chalky

Shale black carb

Limestone brn f-xln sli fos dense

Shale gray sli silty sli sandy soft

Limestone crm tan f-xln fos sli chalky

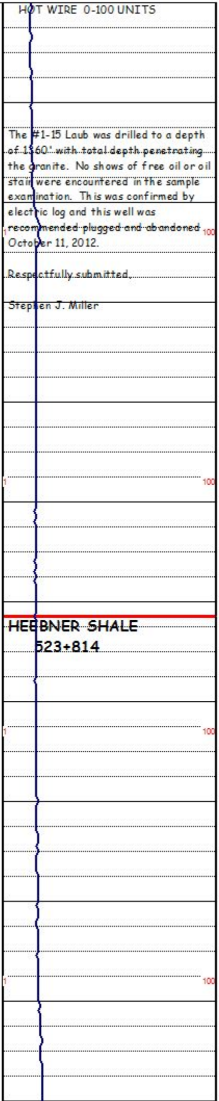
Shale black carb

Shale gray brn silty sli sandy

Sandstone gray f-md grain sli silty mica no vis por NS

Limestone crm f-xln fos sli chalky dense

Shale gray sli sandy pyr sli mica

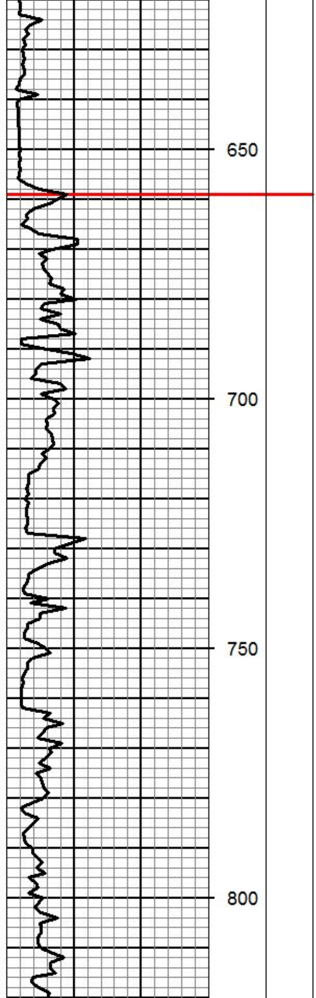


The #1-15 Laub was drilled to a depth of 1360' with total depth penetrating the granite. No shows of free oil or oil stain were encountered in the sample examination. This was confirmed by electric log and this well was recommended plugged and abandoned October 11, 2012.

Respectfully submitted,

Stephen J. Miller

HEEBNER SHALE
523+814



Shale gray grn brn sli pyritic silty

Limestone crm tan f-xln sli fos sli chalky

Shale black carb

Limestone crm gray f-xln sli fos sli chalky

Limestone gray f-xln dense

Shale gray sandy sli mica soft

Limestone crm tan f-xlnsli fos sli chalky

Shale lt gray sandy soft

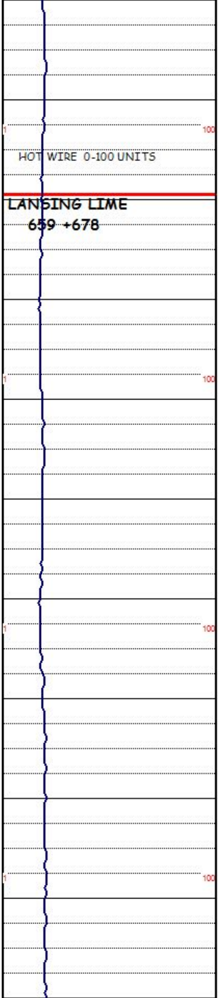
Limestone crm tan f-xln fos sli ool sli chalky

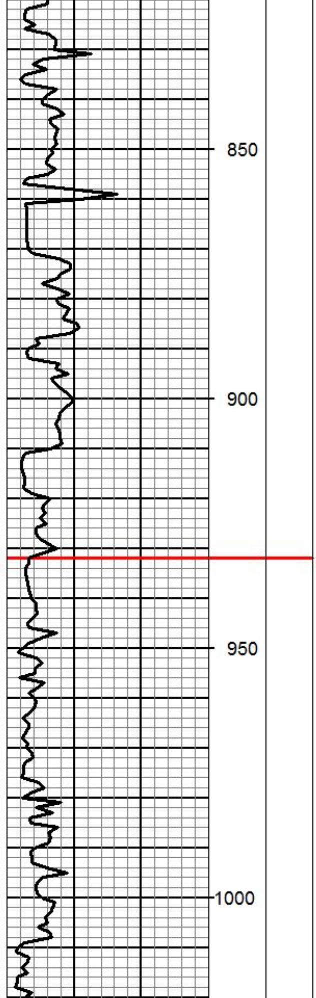
Shale black carb blocky

Shale grn brn gray silty

Limestone crm tan f-xln v fos chalky

Shale gray sandy silty pyr





Limestone crm f-xln sli fos ool ooc gd ooc por NS

Limestone crm tan f-xln dense chalky

Shale black carb

Shale gray grn brn sli silty

Limestone gray crm f-xln sli fos sli chalky dense

Shale black carb

Limestone lt gray crm f-xln fos sli chalky sli pyritic

Shale grn lt gray sli silty

Limestone tan f-xln sli fos sli chalky

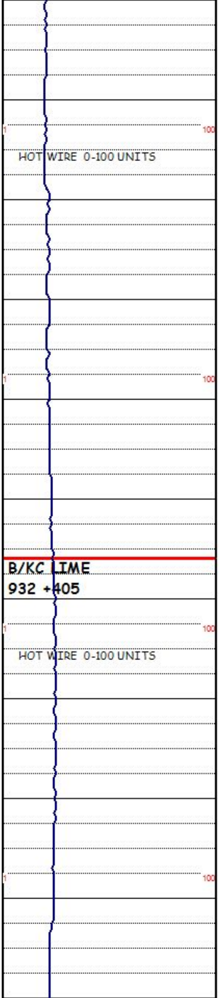
Shale lt gray dk gray soft sandy w/ lg ind sand grains

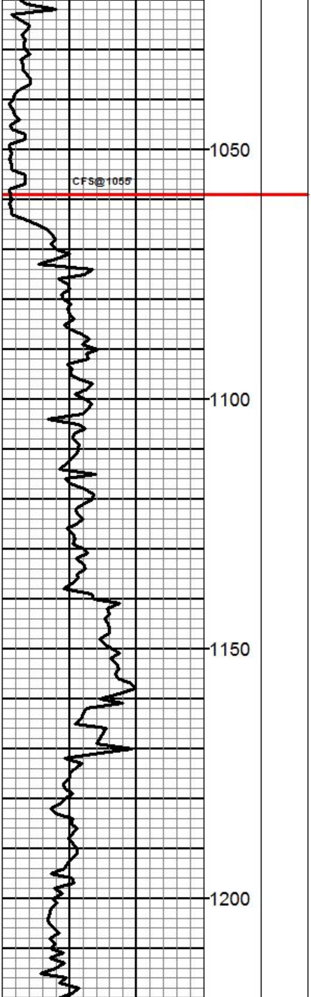
Sandstone unconslidated small to x large ind sand grains with weathered arkosic material

Sandstone white f-lg grain lime matrix w/ shale lt grn lt brn

Shale multi color soft w/ sand weathered f-lg grain

Arkosic material red weatherd shaly





Arkosic mat orange weatheredwith grn brn red shale

Dolomite crm f-md xln no vis por

Dolomite crm wht f-xln dense w/ chert white fresh

Dolomite gray brn f-md xln mottled

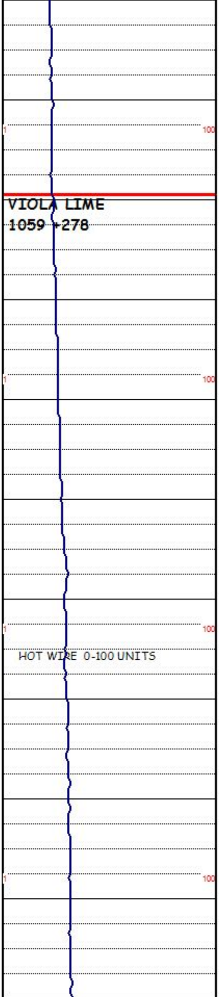
Dolomite crm lt gray f-xln dense w/ chert lt gray tan fresh

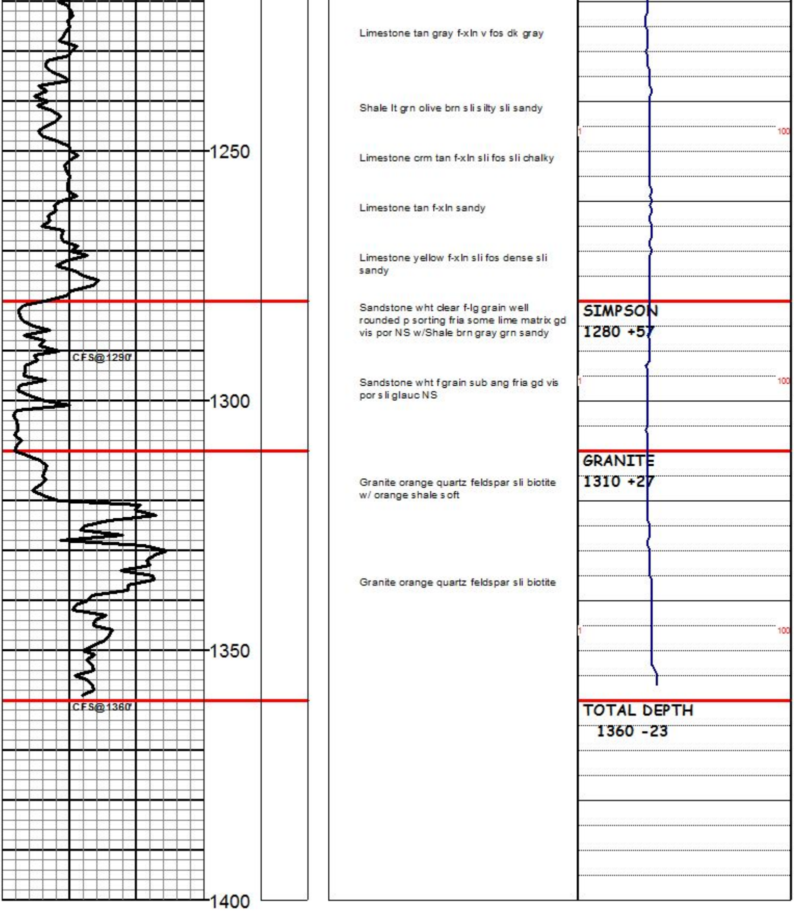
Limestone lt gray f-xln fos dark inclusions sli chalky

Shale grn brn gray sli sandy

Limestone tan crm f-xln fos sli chalky

Shale lt grn olive brn sli silty sli sandy





Limestone tan gray f-xln v fos dk gray

Shale lt grn olive brn sli silty sli sandy

Limestone crm tan f-xln sli fos sli chalky

Limestone tan f-xln sandy

Limestone yellow f-xln sli fos dense sli sandy

Sandstone wht clear f-lg grain well rounded p sorting fria some lime matrix gd vis por NS w/Shale brn gray grn sandy

SIMPSON
1280 +57

Sandstone wht f grain sub ang fria gd vis por sli glauc NS

Granite orange quartz feldspar sli biotite w/ orange shale soft

GRANITE
1310 +27

Granite orange quartz feldspar sli biotite

TOTAL DEPTH
1360 -23

Operator: **KINNEY OIL COMPANY**
Lease: **LAUB #1-15**
Location: **330 FNL 1650 FEL** SEC. **15** TWSP **3S** RGE **13E**
County: **NEMAHA** State: **KANSAS**