GEOLOGIST'S REPORT

OPERATOR **KINNEY OIL COMPANY**

LEASE **SPIELMAN #1-17**

LOCATION **1445' FNL 535'FWL**

SEC. **17** TWSP **3S** RGE **13E**

COUNTY **NEMAHA** STATE **KANSAS**

FIELD **WILDCAT**

CONTRACTOR SUMMIT DRILLING CO. RIG NO. 1

COMMENCED MAR 28,2012 COMPLETED MAR 31,2012

MUD DISPLACED 300' MUD TYPE CHEMICAL

DRILLING TIME KEPT FROM 300' TO 808

SAMPLES SAVED FROM 300' TO 808

SAMPLES EXAMINED FROM 300' TO 808

GEOLOGICAL SUPERVISION FROM 300' TO 808

GEOLOGIST ON WELL STEPHEN J MILLER

FORMATION NAME	LOG TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM
HEEBNER SHALE	345	+882	351	+876
LANSING LIME	464	+763	467	+760
BASE KANSAS CITY	716	+511	720	+507
GRANITE WASH	725	+502	732	+495
Total Depth	808	+419	808	+419

ELEVATIONS

KB **1227'**

GL **1217'**

ALL MEASUREMENTS FROM K.B.

CASING RECORD

Conductor

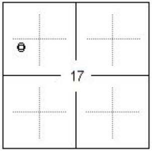
Surface 8 5/8" @ 262'

Production

ELECTRICAL SURVEYS:

TUCKER WIRELINE

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



REMARKS

API 15-131-20228

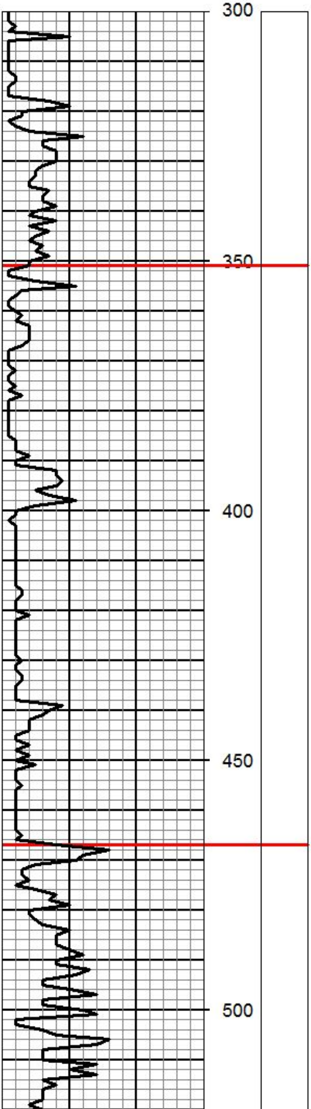
Drilling Fluids: FUD MUD

Drill Stem Testing: SUPERIOR TESTERS

Gas Trailer: EARTHTECH

Reserve Pit Chlorides:

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



Shale gray soft sli pyr

Limestone crm gray f-xln sli fos sli chalky

Limestone crm tan lt gray f-xlnsli fos sli mottled sli chalky

Shale black carb

Limestone tan f-xln dense

Shale gray silty sli mica

Limestone crm gray f-xln sli fos sli chalky w/chert gray devit

Shale maroon grn dk gray slity sandy

Limestone crm f-xln sli fos dense

Sandstone gray vf grain silty mica no vis por NS

Shale gray olive red sandy slity sli mica soft

Limestone tan f-xln sli fos dense

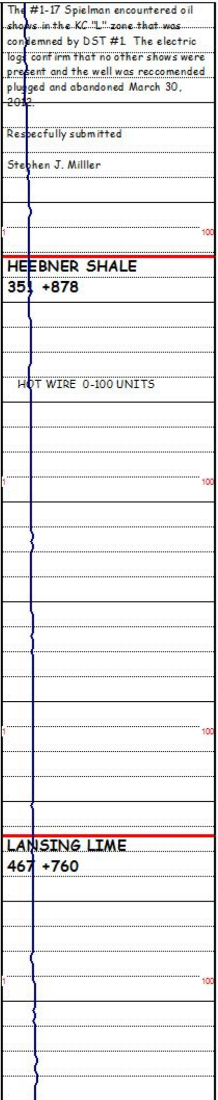
Shale gray brn silty sli mica slity soft

Limestone tan f-xln sli fos dense

Limestone crm tan f-xln fos ooc sli chalky gd int fos & ooc por NS

Shale black carb

Limestone crm gray f-xln sli fos dense



The #1-17 Spielman encountered oil shows in the KC "L" zone that was condemned by DST #1. The electric logs confirm that no other shows were present and the well was reccomended plugged and abandoned March 30, 2012.

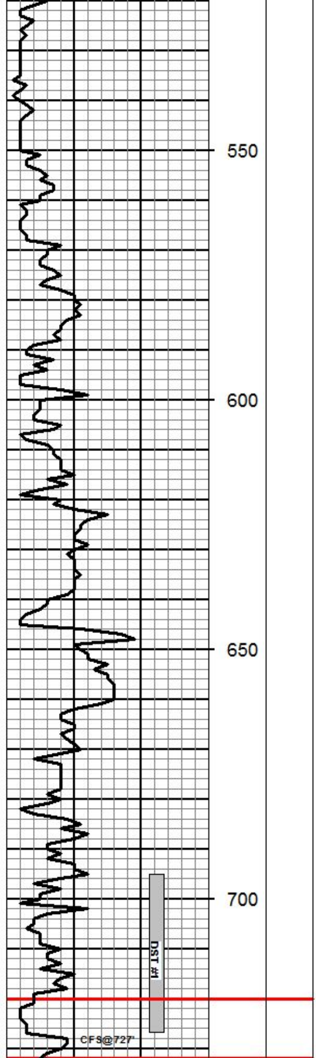
Respecfully submitted

Stephen J. Milller

HEEBNER SHALE
351 +878

HOT WIRE 0-100 UNITS

LANSING LIME
467 +760



Shale gray sli silty sli pyr sli mica

Limestone gray f-xln sli pyr

Shale gray silty sli sandy

Limestone crm tan f-xln sli chalky

Shale gray sli sandy

Limestone crm tan f-xln dense w/ chert gray fresh sli fos sli pyr

Shale black carb

Shale gray sli silty

Limestone tan gray f-xln v fos scat int fos por NS

Limestone gray crm f-xln fos dense

Shale dk gray fis

Limestone crm f-xln sli fos sli chalky dense

Shale black sli fis carb

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

Limestone white f-xln sli fos dense

Limestone lt gray f-xln dense

Shale black carb

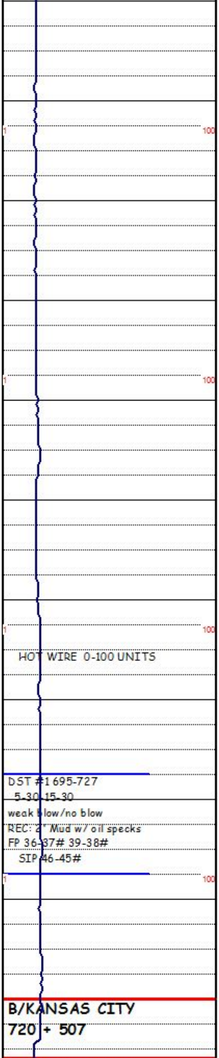
Limestone crm lt gray f-xln sli fos sli chalky dense

Shale grn brn sandy sli pyr

Limestone gray f-lg xln sli fos ool VG int ool & int-xln por VGSFO(live) good odor strong flor cut sat brn stain

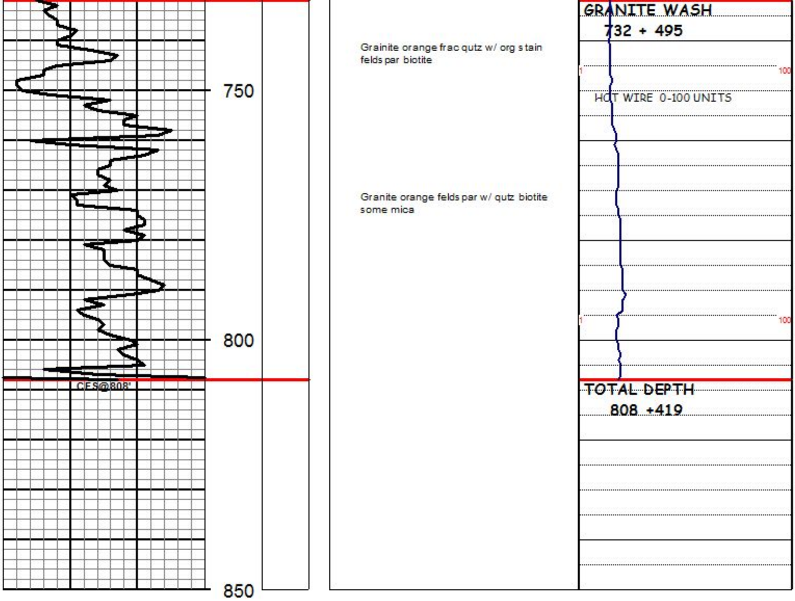
Limestone lt gray crm f-xln sli fos sli chalky dense

Shale grn gray v sandy sli pyr



DST #1 695-727
5-30-15-30
weak blow/no blow
REC: 2" Mud w/ oil specks
FP 36-37# 39-38#
SIP 46-45#

B/KANSAS CITY
720 + 507



GRANITE WASH
732 + 495

Grainite orange frac qutz w/ org stain felds par biotite

Granite orange felds par w/ qutz biotite some mica

TOTAL DEPTH
808 +419

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Lease: **SPIELMAN #1-17**

Location: **1445' FNL 535'FWL** SEC. **17** TWSP **3S** RGE **13E**

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