GEOLOGIST'S REPORT

OPERATOR	**KINNEY OIL COMPANY**
LEASE	**BAUMGARTNER #1-23**
LOCATION	**330'FSL 850'FWL**
SEC.	**23**
TWSP	**1S**
RGE	**13E**
COUNTY	**NEMAHA**
STATE	**KANSAS**
FIELD	**WILDCAT**

ELEVATIONS

KB **1215'**

GL **1205'**

ALL MEASUREMENTS FROM K.B.

CONTRACTOR SUMMIT DRILLING CO. RIG NO. 1

COMMENCED OCT 8, 2012 COMPLETED OCT 17,2012

MUD DISPLACED 900' MUD TYPE CHEMICAL

DRILLING TIME KEPT FROM 400' TO 2090'

SAMPLES SAVED FROM 400' TO 2090'

SAMPLES EXAMINED FROM 400' TO 2090'

GEOLOGICAL SUPERVISION FROM 400' TO 2090'

GEOLOGIST ON WELL STEPHEN J MILLER

CASING RECORD

Conductor

Surface 8 5/8"@ 268'

Production

ELECTRICAL SURVEYS:

TUCKER WIRELINE

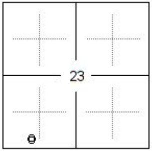
DUAL INDUCTION

COMP NEU-DEN

SONIC LOG

MICRO LOG

FORMATION NAME	LOG		SAMPLE	
	TOP	DATUM	TOP	DATUM
HEEBNER SHALE	532	+683	532	+683
LANSING LIME	641	+574	642	+573
BASE KANSAS CITY	894	+319	895	+320
MAQUOKETA	1583	-368	1576	-361
VIOLA	1651	-436	1650	-435
SIMPSON SHALE	1892	-677	1892	-677
SIMPSON SAND	2012	-797	2012	-797
GRANITE	2044	-829	2042	-827
TOTAL DEPTH	2090	-875	2090'	-875



REMARKS

API 15-131-20234

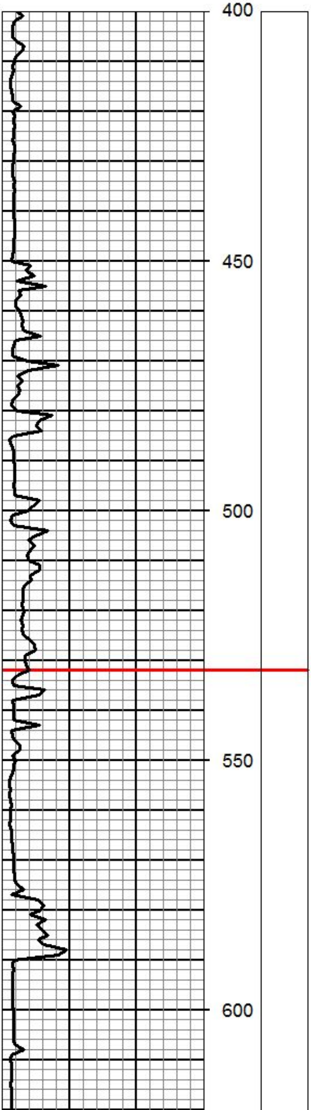
Drilling Fluids: FUD MUD

Drill Stem Testing:

Gas Trailer: EARTH-TECH

Reserve Pit Chlorides:

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



Shale gray sandy mica silty

Limestone gray f-xln fos dense

Shale black carb

Limestone lt gray tan f-xln sli fos dense

Shale gray silty sli mica

Limestone tan f-xln sli fos dense

Shale gray silty

Limestone crm tan f-xln v fos chalky

Shale black carb

Limestone crm f-xln sli fos dense

Shale brn grn gray silty sandy pyritic soft

Limestone crm f-xln sli fos dense

Shale dk gray sli fis sli pyr sli silty

HOT WIRE 0-100 UNITS

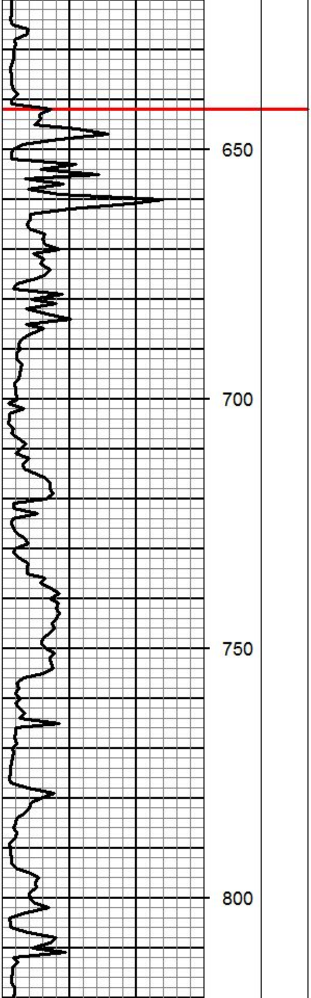
The #1-23 Baumgartner was drilled to a depth of 2090' with total depth penetrating the granite. No shows of free oil or oil stain were encountered in the sample examination. This was confirmed by electric log and this well was recommended plugged and abandoned October 17, 2012.

Respectfully submitted,

Stephen J. Miller

HEEBNER SHALE

532 +683



Shale brn gray grn silty sandy soft

Limestone tan f-xln sli chalky dense

Shale gray sli fis

Limestone lt gray wht sli fos sli chalky

Shale dk gray fis

Limestone dk gray f-xln sli fos dense

Shale gray silty sli pyritic

Limestone crm f-xln sli fos sli chalky

Shale gray silty

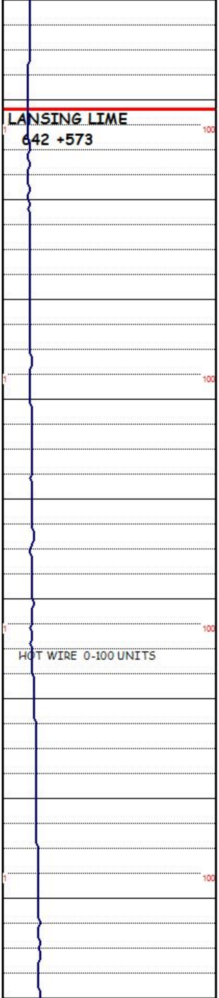
Limestone lt gray f-xln sli fos dense w/ chert tan fresh

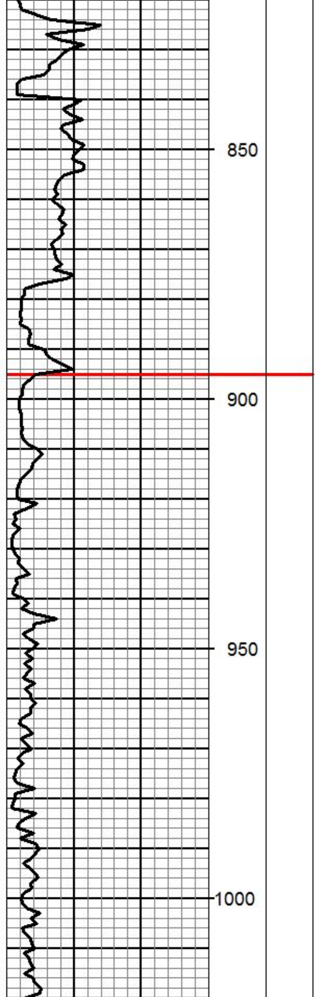
Shale dark gray sli pyr

Limestone crm tan f-xln sli fos sli ool sli chalky

Shale gray sli silty sli pyritic

Limestone lt gray f-xln v fos chalky gd fos cast por NS





Shale black carb

Limestone crm f-xln fos ool p fos cast por NS

Shale dk gray carb

Limestone lt gray f-xln sli fos dense

Shale grn brn gray sli pyritic

Limestone tan f-lg xln sli fos dense

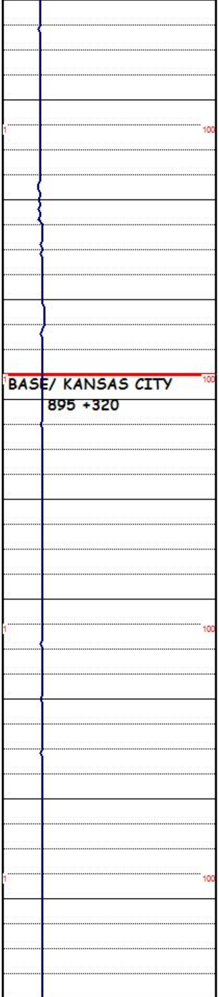
Shale lt grn brn gray sandy

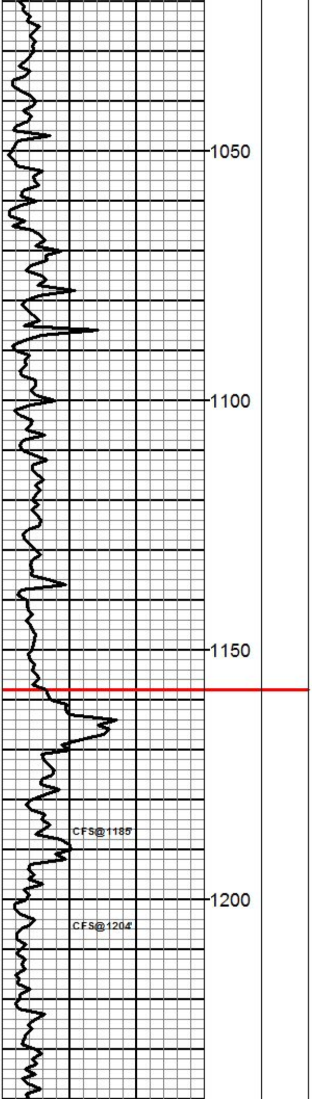
Sandstone clear orange p sorting angular unconsolidated w/ multi color shale

Shale grn orange gray sandy pyritic

Sandstone clear orange p sorting angular unconsolidated

Sandstone as above w/Shale grn gray yel brn pyritic soft





Shale dk gray silty pyritic

Sandstone clear s-lg grain sub rounded unconsolidated

Shale gray brn red sandy soft

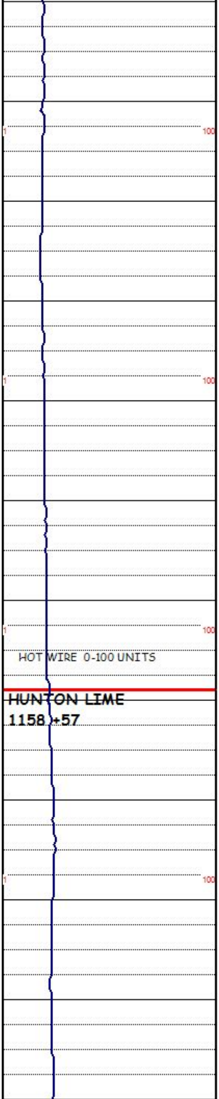
Sandstone clear sub rounded w/Shale lt gray grn brn soft sandy v pyritic

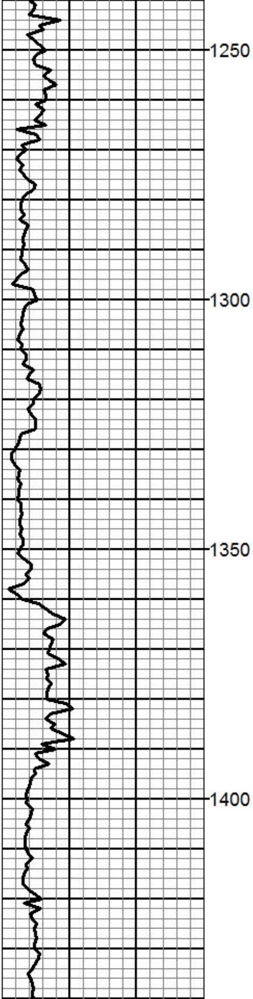
Limestone crm white f-xln chalky dense w/ chert gray devitrified

Limestone crm tan f-lg xln f vuggy & int-xln por NS

Limestone lt gray tan f-md xln sucrosic few Mg& pyrite inclusionsp-f vuggy por NS

Limestone crm f-md xln chalky f int-xln por NS





Limestone lt gray f-md xln p int-xln por NS

Limestone crm lt gray f-md xln sli chalky p int-xln por

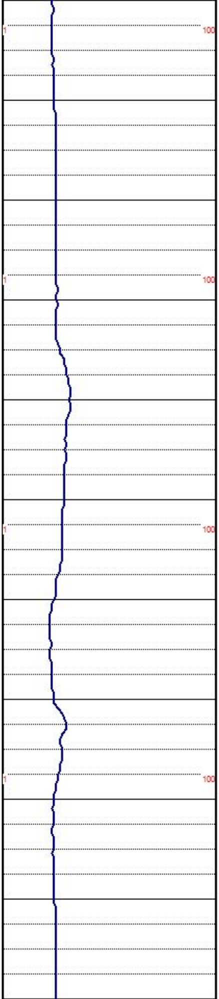
Limestone crm f-md xln sucrosic p int-xln por

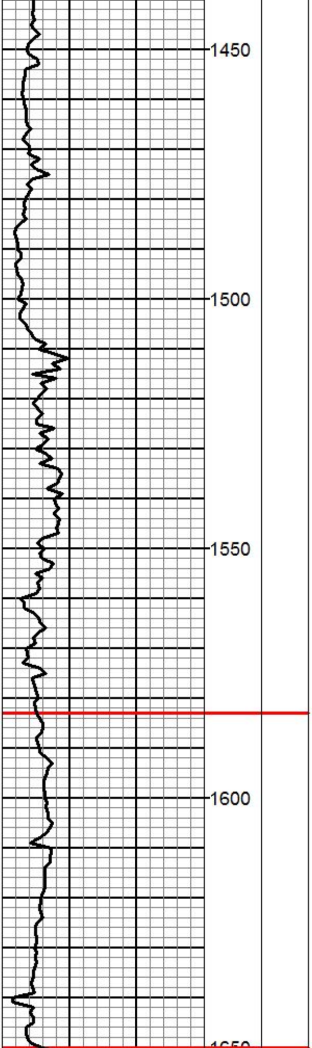
Limestone gray md-xln f int-xln por gd vuggy por NS

Limestone tan f-md xln sucrosic chalky p vis por

Limestone gray f-xln sli chalky dense

Limestone lt gray f-md xln gd int-xln por gd vuggy por





Limestone lt gray f-xln v gd vuggy por

Limestone tan f-xln sucrosic v gd vuggy por

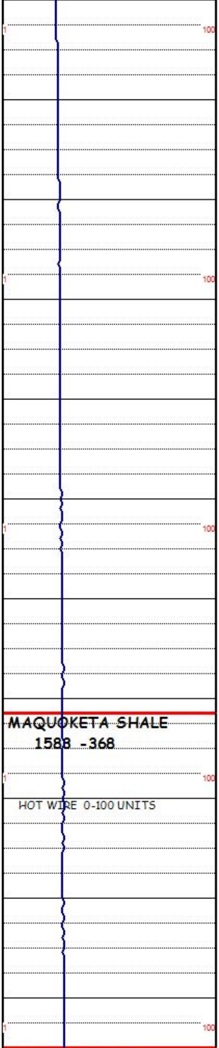
Limestone crm f-xln dense w/ chert white lt gray fresh

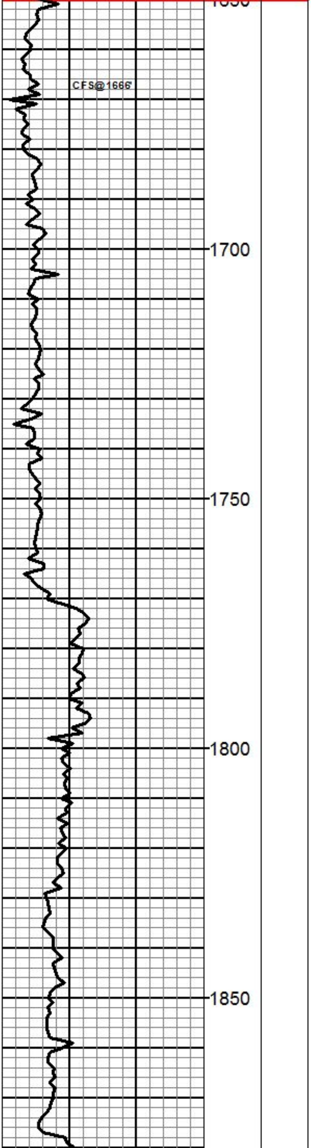
Limestone lt gray f-xln sucrosic sli pyritic dense

Limestone tan f-md xln dense

Shale brn grn gray rust soft silty w/ black Mg nodules

Shale gray grn silty sandy mica w/ carb inclusions





Limestone gray f-lg xln sucrosic carb inclusions scat vuggy por f int-xln por NS

Limestone gray f-lg xln pyritic gd int-xln & vuggy por NS

Limestone crm tan f-lg xln gd int-xln por NS

Limestone tan lt gray f-lg xln gd int-xln por NS w/ chert lt gray fresh sli pyritic

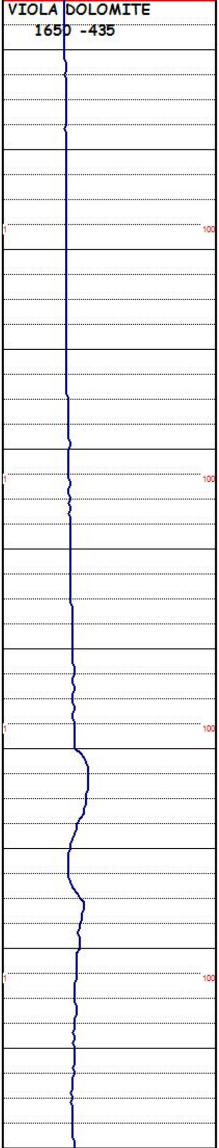
Limestone tan gray f-md xln sucrosic scat int-xln por

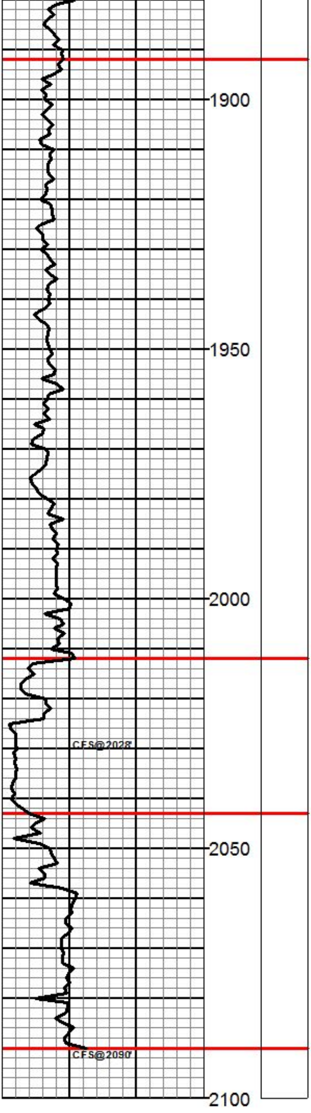
Limestone crm f-xln sucrosic no vis por w/ chert lt gray fresh to devitrified

Limestone tan crm f-xln sli chalky scat ppt por w/ gray devitrified

Limestone tan crm f-md xln chalky dense

Limestone lt gray f-xln sli chalky w/ carb inclusions





Limestone tan f-xln sli fos sli chalky

Shale grn brn sandy silty pyritic

Limestone tan f-xln sli fos dense

Shale grn brn sli sandy sli pyritic

Limestone lt gray f-xln fos sli chalky dense

Shale grn sli sandy sli pyritic sli mica

Limestone brn tan f-xln sli chalky dense

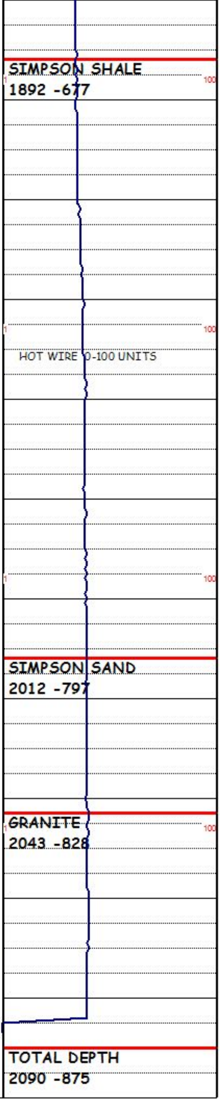
Limestone tan crm f-xln sli chalky sandy

Sandstone wht clear f-lg grain well rounded p sorting friable gd vis por NS

Sandstone wht tan f grain sub angular p vis por NS

Granite orange quartz & feldspar sli shaly red

Granite orange quartz & feldspar w/ biotite inclusions



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