

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **SHAKEESPARE OIL CO.**
 LEASE **Trucker #1-5**
 FIELD **Wildcat**
 LOCATION **3305 FWSL 1310' FWL**
 SEC **5** TMSWP **16S** RFE **34W**
 COUNTY **Scott** STATE **Kansas**

CONTRACTOR **HD Rite 2**
 SPUD **10-5-13** COMP **10-21-13**
 RTD **4865'** LTD **4864'**
 MUD UP **3500'** TYPE MUD **Chemical**
 SURFACE **8-5/8" @ 265'**
 CONDUCTOR **N/A**
 CASING **N/A**
 PRODUCTION

DRILLING TIME KEPT FROM **3800'** to RTD
 SAMPLES SAVED FROM **3800'** to RTD
 DRILLING TIME KEPT FROM **3800'** to RTD
 SAMPLES EXAMINED FROM **3800'** to RTD
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD
 GEOLOGIST ON WELL **Tim Priest**
 By: **Weatherford**

FORMATION TOPS

FORMATION TOPS	ELECTRIC LOG	SAMPLE
Anhydrite	2440 (-1672)	2442 (+670)
Heebner Shale	3957 (-845)	3958 (-846)
Amisburg	4000 (-888)	4000 (-888)
Stark	4278 (-1166)	4278 (-1166)
B.K.C.	4370 (-1258)	4370 (-1258)
Fort Scott	4534 (-1442)	4535 (-1443)
Cherokee Shale	4582 (-1470)	4582 (-1470)
Mississippian	4784 (-1672)	4784 (-1672)

ELEVATIONS
 KG 3112'
 DF _____
 GL 3102'

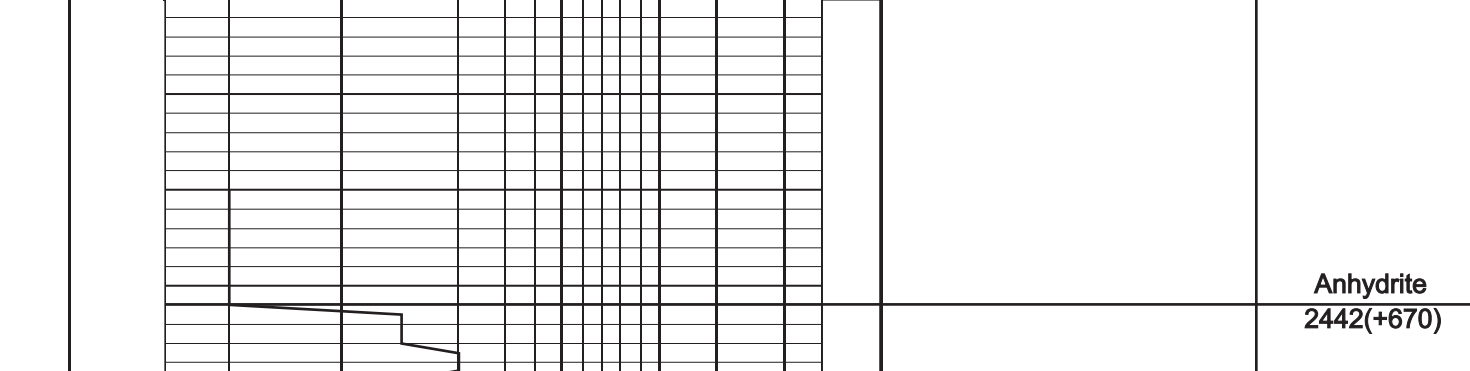
Measurements Are All From **KB**

REMARKS Due to the negative results of DSTs, it was decided to plug and abandon the well.

Respectfully Submitted,

API #15-171-20976-00-00

Tim Priest
 Petroleum Geologist



LEGEND

Anyhydrite Sandstone Limestone Shale Carb Sh Cherty LS Chert Dolomite

DRILLING TIME IN MINUTES PER FOOT
 Rate of Penetration Decreases →

DEPTH LITHOLOGY SAMPLE DESCRIPTION REMARKS

2450 Anhydrite 2442(+670)
 Base/Anhydrite 2462(+650)

50 Ls crm-gry mottld, fos, sli chky, p-f int xtl-pp por, NS
 Sh blk, carb

50 Sh/SS red-gry, fn-med gm, p sort, friable, NS
 Ls crm-tan-gry, fn xtl, arg in prt no vis por
 Sh grn-gry
 Ls tan, vfn xtl, sli fos, dnse
 Sh blk, carb

50 Sh red-maroon
 Ls crm-lt gry, fos, chky, p-f int xtl & int frag por, NS
 Ls crm, vfn xtl, chly, dnse
 Ls crm-tan, fn xtl, fos, p-f int xtl-pp por, NS

50 Ls crm-tan, fn xtl, fos, f int xtl-pp por, NS
 Sh blk, carb
 Sh gry-dk gry, calc

50 Ls crm-lt gry, fn xtl, fos, v chky, f int xtl-pp por, NS
 Ls crm, fn xtl, fos, chky, f int xtl por, NS
 Sh red-grn-gry, calc

50 Ls crm-lt gry, fn xtl, fos, chky, f int xtl & int frag por, NS
 Ls crm, fn xtl, fos, v chky, p-f int xtl-pp por, NS
 Sh grn-gry

50 Ls crm-lt gry, fn xtl, fos-sub ool, chky, p-f int xtl-pp por, NS
 Sh red-grm
 Ls crm-lt gry, vfn xtl, sli chky, dnse

50 Ls/Dol crm-lt gry, fn xtl, sli fos, chky, p-f int xtl-pp por, NS
 Ls crm, fn xtl, fos, v chky, p-f int xtl-pp por, NS
 Sh blk, carb

50 Ls crm-lt gry, vfn xtl, dnse
 Ls crm-lt gry, fn xtl, fos-ool, p-f int frag por, NS
 Sh grn-gry

50 Ls crm-lt gry, fn xtl, fos-ool, p-f int frag por, NS
 Ls crm-lt gry, vfn xtl, dnse
 Sh grn-gry

50 Ls crm-tan, fn xtl, ool, f-gd ooc por, NS
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl por, NS
 Sh gry-dk gry

50 Sh blk, carb
 Ls crm-lt gry, vfn xtl, dnse
 Sh red-gry, calc
 Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, VSSFO, no odor, dull fluor

50 Ls crm-lt gry, vfn xtl, sli chly, dnse
 Sh blk, carb
 Sh grn-gry
 Ls crm, vfn xtl, dnse
 Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull fluor

50 Sh gry-dk gry
 Ls crm-lt gry, fn xtl, ool, f-gd ooc por, sptd blk stn on 10%, SSFO, no odor, no fluor
 Ls lt gry-gry, vfn xtl, dnse

50 Sh blk, carb
 Ls tan-gry, vfn xtl, dnse

50 Ls crm-lt gry, fn xtl, fos-sub ool, sli chky, f int xtl-pp por w/ scat vugs, sptd-sli sat stn on 50%, SFO, f odor, no fluor
 Ls crm-lt gry, vfn xtl, chly, dnse
 Ls lt gry-gry, fn xtl, fos, chky, p-f int xtl & int frag por, NS

50 Sh blk, carb
 Sh gry-dk gry
 Ls crm-gry, fn xtl, sli dolo, p-f int xtl por, NS
 Ls crm-lt gry, vfn xtl, chly, dnse
 Ls crm-lt gry, fn xtl, p-f int xtl por, NS

50 Sh blk, carb
 Sh gry-dk gry
 Sh lt gry, fn xtl, fos-ool, sli chky, f int xtl & int frag por, NS
 Ls crm-tan, vfn xtl, dnse
 Sh var col, silty, calc in prt
 Sh var col, silty, w/v fn gm SS
 Ls crm-lt gry, vfn xtl, dnse

50 Sh gry-dk gry, calc
 Ls tan, vfn xtl, sli fos, p int xtl por, p-f pp-vug por w/sme frac planes, sptd dk stn, SSFO, sli odor, no fluor
 Ls crm-tan, vfn xtl, dnse
 Ls crm, fn xtl, fos-ool, chky, p int xtl & int frag por, NS
 Sh red-grm-blk
 Ls crm-tan, fn xtl, ool, chky, p-f int ool por, NS
 Ls crm-tan-brn, mic xtl, dnse
 Sh red-grm-gry, calc in prt
 Ls crm-lt gry, vfn xtl, sli fos, dnse
 Ls lt gry-tan, vfn xtl, chly, dnse
 Ls tan, vfn xtl, sli fos, p int xtl-pp por, sptd stn on few pcs, VSSFO, odor na, dull fluor
 Sh blk, carb
 Ls crm-tan-gry, fn xtl, fos-ool in prt, p-f int xtl-pp por w/scat vugs, sme int ool por, sptd-sli sat stn, SFO, f odor, dull fluor
 Ls tan, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd stn, SSFO, odor na, dull fluor
 Ls crm-gry, vfn xtl, sli chly, dnse

50 Ls/Dol crm-tan, fn xtl, p-f int xtl por, sat stn on few pcs, VSSFO, odor na, dull fluor
 Ls crm-tan-lt gry, vfn xtl, chky, chly, dnse
 Ls tan-gry, vfn xtl, sli fos, sli chly, dnse
 Sh blk, carb

50 Ls tan, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd stn, SSFO, odor na, dull fluor
 Sh blk, carb
 Ls crm-tan-gry, fn xtl, fos-ool in prt, p-f int xtl-pp por w/scat vugs, sme int ool por, sptd-sli sat stn, SFO, f odor, dull fluor
 Ls tan, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd stn, SSFO, odor na, dull fluor
 Ls crm-gry, vfn xtl, sli chly, dnse

50 Sh blk, carb
 Ls gry-tan, fn xtl, fos, chky, f-gd int xtl & int frag por, NS
 Sh dk gry
 Ls gry, mic xtl, dnse
 Sh blk, carb, w/int bed tan-gry, vfn xtl, dnse LS
 Ls tan, mic xtl, dnse
 Sh grn-gry-dk gry

50 Ls tan-gry, vfn xtl, sli chly, dnse
 Sh dk gry-blk
 Ls crm-lt gry, fn xtl, sli fos, sli chky, sli chly, dnse
 Sh gry-blk

50 Ls crm-tan-gry, vfn xtl, sli chly, dnse
 Ls crm-tan, fn xtl, sli fos, sli chky, p int xtl-pp por, sptd stn on 2 pcs, NFO
 Sh grn-gry-blk, silty
 SS lt gry-lt gry, vfn-fn gm, sli glauc, sli fria, w/silts, NS
 Sh gry-blk, silty
 SS lt gry, fn-med gm, sli glauc, fria, w/grn-gry silts
 SS clear-lt gry, fn-med gm, sub rnd, fria, NS
 SS lt gry-gry, fn-med gm, w/dk gry Sh
 SS clear-lt gry, fn-coarse gm, fri, NS
 Var col Sh & Silts

50 Ls crm-lt gry, fn xtl, sub chky, w/fn gm SS inclus
 Ls crm-tan-lt gry, vfn xtl, chky, dnse
 Ls crm-tan, mic xtl, dnse
 Ls crm-lt gry, fn xtl, chky, dnse
 Ls crm-lt gry, vfn xtl, sli sandy, dnse

Total Depth 4865' (-1753)

4800 Ls crm-lt gry, fn xtl, sub chky, w/fn gm SS inclus
 Ls crm-tan-lt gry, vfn xtl, chky, dnse
 Ls crm-tan, mic xtl, dnse
 Ls crm-lt gry, fn xtl, chky, dnse
 Ls crm-lt gry, vfn xtl, sli sandy, dnse

4784 Mississippian

4784 (-1672)

4582 Cherokee Shale

4582 (-1470)

4555 Fort Scott

4555 (-1443)

4425 Pawnee

4425 (-1313)

4370 Marmaton

4370 (-1258)

4373 B.K.C.

4373 (-1211)

4278 Stark

4278 (-1166)

4186 Muncie Creek

4186 (-1074)

3973 Toronto

3973 (-861)

3958 Heebner

3958 (-846)

4000 Lansing

4000 (-888)

4000 Amisburg

4000 (-888)

3957 Heebner Shale

3957 (-845)

2442 Anhydrite

2442 (+670)

4865 RTD

4865 (-1753)

3500 MUD UP

3500 (-1166)

10-5-13 SPUD

10-21-13 COMP

10-21-13 RTD

10-21-13 LTD

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