

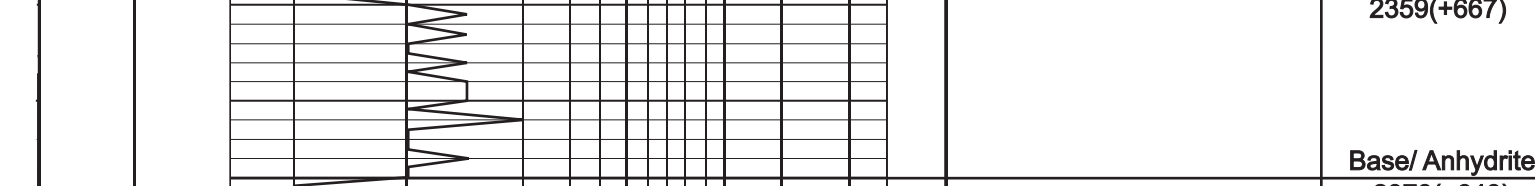
GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY SHAKEESPARE OIL CO.
LEASE WYDACE
FIELD WYDACE
LOCATION 14507 FSL, 13507 FEL
SEC 22 T1WSP 17S R0E 33W
COUNTY Scott STATE Kansas
CONTRACTOR HD Rig #2
SPUD 11-26-14 **COMP** 12-10-14
RTD 4770' **LTD** 4775'
MUD UP 3550' **TYPE MUD** Chemical
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
FORMATION TOPS ELECTRIC LOG
FORMATION Anhydrite 2359 (+667)
Heebner Shale 3939 (-913)
Austin 3974 (-948)
SARK 4200 (-1234)
B/K.C. 4354 (-1328)
Fort Scott 4530 (-1504)
Cherokee Shale 4536 (-1530)
Mississippi 4700 (-1674)
CONDUCTOR N/A
SURFACE 8-5/8" @ 267'
PRODUCTION
MEASUREMENTS All are From KB
CASINGS
GL 3016'
ELEVATIONS
DF
GL 3016'

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

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist

API #15-171-21114-00-00



FORMATION TOPS ELECTRIC LOG SAMPLE

ANHYDRITE SANDSTONE LIMESTONE SHALE CARB SH

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases

DEPTH LITHOLOGY

SAMPLE DESCRIPTION REMARKS

2350 Anhydrite 2359(+667)

Base/Anhydrite 2378(+648)

Sh blk, carb

SS/Silts lt gry, vfn gm, dnse

Ls tan, vfn xtl, dnse

Ls tan, vfn xtl, dnse

Ls crm-t gry, fn xtl, fos, chky, f int xtl-pp por, NS

Ls crm-tan, fn-med xtl, fos, f-gd int xtl por, NS

Sh blk, carb

Ls crm-tan, fn-med xtl, fos, f-gd int xtl-pp por, NS

Ls crm-lt gry, vfn xtl, dnse, w/wh cht

Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS

Ls crm-gry, fn xtl, fos, chky, f-gd int xtl-pp por, NS

Sh blk, carb

Sh gry-dk gry, calc

Ls crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Sh grn-gry

Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Ls crm, fn xtl, fos, chky, chty, dnse

Ls crm-t gry, fn xtl, fos-ool, chky, p-f int frag por, NS

Sh blk, carb

Sh grn-gry, calc

Ls crm-t gry, fn xtl, fos-ool, sli chky, p-f int frag por, sptd-sat stn, SSFO, f odor, f-fluor

Ls crm-lt gry, fn xtl, fos-ool, sli chky, p-f int frag por, sptd-sat stn, SSFO, f odor, f-fluor

Ls crm-t gry, fn xtl, fos, chky, p int xtl-pp por, NS

Sh gry-dk gry

Ls crm-t gry, fn xtl, ool, p int ool por, NS

Ls crm-lt gry, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sat stn, SSFO, f odor, f-fluor

Ls crm-t gry, fn xtl, ool, p-f int ool por, NS

Ls crm, mic xtl, chty, dnse

Sh gry-dk gry

Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Ls crm-t gry, vfn xtl, sli chty, dnse

Ls crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Ls crm-lt gry, vfn xtl, chty, dnse

Ls crm-t gry, vfn xtl, chty, dnse

Ls crm, fn xtl, fos, chky, p int xtl-pp por, NS

Sh dk gry-blk

Ls crm-gry mottd, vfn xtl, fos, arg in prt, dnse

Ls tan-gry, vfn xtl, sli chty, dnse

Ls crm-lt gry, fn xtl, fos, p int xtl-pp por, NS

Sh gry-dk gry

Ls crm, fn xtl, ool, chky, f int xtl & ooc por, NS

Ls crm-gry, vfn xtl, chky, dnse

Ls crm-lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Sh blk, carb

Ls crm-tan, fn xtl, p int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull-fluor

Ls crm-lt gry, fn xtl, fos-sli ool, chky, f int xtl & int frag por w/ few vugs, sptd-sat dk stn, SSFO, f odor, dull-fluor

Ls crm-gry, vfn xtl, dnse

Ls crm-gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Sh blk, carb

Ls lt gry-gry, fn xtl, fos, sli chky, p-f int xtl-pp por, sptd-sli sat dk stn, SSFO, sli odor, dull-fluor

Ls crm-gry, fn xtl, fos, chky, p-f int xtl-pp por, NS

Ls tan-gry, vfn xtl, sli fos, chky, dnse

Ls crm-lt gry, vfn xtl, dnse

Sh dk gry-blk

Ls lt gry-gry, fn xtl, fos-sub ool, p-f int xtl & pp-vug por, NS

Sh blk, carb

SS/Silts lt gry-gry, vfn-fn gm, sli fra-tite, NS

Ls crm-gry, vfn xtl, sli fos, p int xtl-pp por, sptd-sli sat stn, f odor, dull-fluor

Ls crm-t gry, fn xtl, ool, p-f int ool por, sptd-sli sat stn, SSFO, sli odor, dull-fluor

Ls crm-lt gry, fn xtl, fos-ool, p-f int frag por, sptd-sat stn, SF0, f odor, dull-fluor

Sh gry-blk

Ls crm-lt gry, fn xtl, fos-sub ool, chky, p-f int xtl por, sptd-sli sat stn, SSFO, sli odor, dull-fluor

Ls gry, mic xtl, sli fos, dnse

Sh var col, calc

Ls crm-t gry, fn xtl, fos-ool, sli chky, p-f int xtl & int frag por, sptd-sli sat stn, SSFO, sli odor, dull-fluor

Sh blk, carb

Ls lt gry-gry, vfn xtl, arg in prt

Ls crm-lt gry, fn xtl, sli chky, p int xtl-pp por, NS

Ls crm-tan, vfn xtl, chty, dnse

Sh blk, carb

Ls crm-t gry, vfn xtl, sli chty, sli chky, dnse

Sh blk, carb

Ls crm-tan, vfn xtl, ool, sli chky, p int xtl-pp por, sptd-sli sat stn, on few pcs, VSSFO, no odor, no fluor

Sh gry-dk gry

Ls crm-tan-gry, vfn xtl, dnse

Sh blk, carb

Ls crm-tan-gry, vfn xtl, dnse

Ls tan-gry, vfn xtl, w/int bed blk carb Sh

Sh grn-gry

Ls crm-lt gry, vfn xtl, chty, dnse

Ls crm-tan-gry, vfn xtl, p int xtl-pp por, sptd stn, VSSFO, v sli odor, dull-fluor

Ls tan-gry, vfn xtl, chky, dnse

Ls tan-gry, fn xtl, sli chky, p int xtl-pp por, sptd-sli sat stn, SSFO, f odor, dull-fluor

Ls crm-tan-gry, vfn xtl, dnse

Ls crm-lt gry, fn xtl, sli dnse

Ls crm-tan-gry, vfn xtl, sli fos, p-f int xtl-pp por, sptd-sli sat stn, SF0, f odor, dull-fluor

Ls tan-gry, vfn xtl, sli chky, p-f int xtl-pp por, SSFO, f odor, dull-fluor

Ls tan-gry, vfn xtl, dnse

Sh gry-dk gry

SS clear-wh, fn gm, well sort, fra, NS

Sh var col, silty

SS lt gry-tan, fn-med gm, well cement, lite, NS

SS lt gry, med-coarse gm, dirty, w well cement, lite, NS

SS lt gry, fn-med gm, f cement, sli fra, NS

Ls crm-lt gry, vfn xtl, v sandy, chky, sli fra, most dnse

Ls crm-lt gry, vfn xtl, v sandy, chky, dnse

Ls crm-lt gry, vfn xtl, dnse

Ls crm-tan, fn xtl, sli sandy, sli chty, no vis por

Ls crm-tan, mic xtl, sli sandy, sli chty, dnse

Total Depth 4770' (-1744)

DST #1 (4007-4027) 30'-30'-30'-30'

FF: Built to 1 ft, no return

Rec: 15' OSMW(24%W,76% M), 62' OSMW(47%W, 53%M), Total: 77'

Fps: 13-24R/27-43#

SIPs: 993/952#

HSPs: 1968/1906#

BHT: 113 deg F

Chor: 28.000ppm

Pipe strap @ 4027' was 3.32' long to board

DST #2 (4068-4092) 30'-30'-30'-30'

FF: Surface blow, no return

Rec: 93' MW (w/cum of oil (53%W,47%M), 248' MW (54%W,46%M), 858' MW (55%W,45%M), Total: 1209'

Fps: 44-260/267-553#

SIPs: 1121/1122#

HSPs: 2068/2041#

BHT: 125 deg F

Chor: 50.000ppm

DST #3 (4386-4420) 30'-30'-30'-30'

FF: No blow, no return

Rec: 2' OCM(36%O,64%M)

Fps: 15-13/14-15#

SIPs: 918/255#

HSPs: 2144/1968#

BHT: 117 deg F

DST #4 (4426-4465) 30'-30'-30'-30'

FF: Surface blow, no return

Rec: 1' OCM

Fps: 10-13/12-13#

SIPs: 1781/18#

HSPs: 2158/2057#

BHT: 114 deg F

DST #5 (4591-4660) 30'-30'-30'-30'

FF: Built to 2 in., no return

Rec: 140' OCM(16%W,84%M) (2%O,3%W,95%M)

Fps: 16-49/57-82#

SIPs: 1158/1107#

HSPs: 2269/2214#

BHT: 125 deg F

DST #6 (4695-4669) 30'-30'-30'-30'

FF: No blow, no return

Rec: 1' OCM

Fps: 10-13/12-13#

SIPs: 1781/18#

HSPs: 2158/2057#

BHT: 114 deg F

DST #7 (4695-4669) 30'-30'-30'-30'

FF: No blow, no return

Rec: 1' OCM

Fps: 10-13/12-13#

SIPs: 1781/18#

HSPs: 2158/2057#

BHT: 114 deg F