

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

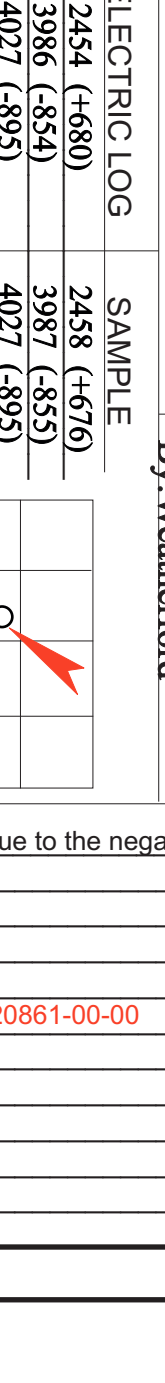
COMPANY **LANZKEN #1-15**
 LEASE **SHAKESPEAR OIL CO.**
 FIELD **Wildcat**
 LOCATION **1570' ENL, 2305' FWL**
 SEC **15 T1MSP 16S R0E 34W**
 COUNTY **Scott STATE Kansas**

CONTRACTOR **HD Rite 2**
 SPUD **4-11-12 COMP 4-24-12**
 RTD **4875' LTD 4876'**
 MUD UP **3500' TYPE MUD Chemical**
 SAMPLES SAVED FROM **3800'** to RTD
 DRILLING TIME KEPT FROM **3750'** to RTD
 SAMPLES EXAMINED FROM **3800'** to RTD
 GEOLOGICAL SUPERVISION FROM **3900'** to RTD
 GEOLOGIST ON WELL **Tim Priest**

MEASUREMENTS ARE ALL From **KB**
 CASINING **CONDUCTION N/A**
 SURFACE **8-5/8" @265'**
 PRODUCTION **None**

ELEVATIONS
 EL 3132'
 DF _____
 GL 3122'

FORMATION TOPS
 Anyvrite **2454 (+680)** SAMPLE **2458 (+676)**
 Heebner Shale **3986 (-854)** SAMPLE **3987 (-855)**
 Jansing **4027 (-895)** SAMPLE **4027 (-895)**
 SIRC **4305 (-1173)** SAMPLE **4305 (-1173)**
 BIRC **4387 (-1255)** SAMPLE **4389 (-1257)**
 Fort Scott **4572 (-1440)** SAMPLE **4571 (-1439)**
 Cherokee Shale **4599 (-1467)** SAMPLE **4597 (-1465)**
 Mississippian **4782 (-1650)** SAMPLE **4782 (-1650)**



REMARKS **Due to the negative results of drill stem tests, it was decided to plug and abandon the well**

Respectfully Submitted,
 Tim Priest
 Petroleum Geologist
 API #15-171-20861-00-00

DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTION	REMARKS
50				Anhydrite 2458 (+676)
				Base/Anhydrite 2477 (+655)
2500				
50			LS crm-gr, vfn xtl, sli fos, dnse	
			Sh gry-dk gry	
			LS crm-gr, vfn xtl, sli fos, p-f int xtl-pp por, NS	
			Sh gry	
			LS crm-tan, fn xtl, fos, p-f int xtl-pp por, NS	
			Sh gry	
			LS tan, vfn xtl, fos-sub ool, f int xtl & pp-vug por, NS	
			Sh blk	
			LS crm-t gry, fn xtl, fos, chky, p int xtl-pp por, NS	
			Sh gry-blk	
			LS crm-t gry, fn xtl, fos, chky, p int xtl-pp por, NS	
			LS gry, vfn xtl, dnse	
			Sh blk, carb	
			LS crm-tan, fn xtl, fos, chky, f int xtl-pp por, NS	
			LS crm, vfn xtl, chky in prt, dnse	
			LS crm-tan, fn xtl, fos, chky, f int xtl-pp por, NS	
			Sh gry-dk gry	
			Sh gry-dk gry	
			LS crm-t gry, fn xtl, fos, chky, f int xtl-pp por, NS	
			Sh blk, carb	Heebner 3987 (-855)
			Sh gry-dk gry, calc	Toronto 4001 (-869)
			LS crm-t gry, fn xtl, fos, sli chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, sli odor, dull flour	
			AA, sli decrease in SFO	
			Sh gry-dk gry, calc	Lansing 4027 (-895)
			LS crm, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm, vfn xtl, dnse	
			Sh gry	
			LS lt gry, fn xtl, fos-sub ool, p-f int xtl & pp-vug por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm, vfn-xtl, fos, sli chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			LS crm-t gry, fn xtl, fos-sub ool, chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			Sh gry-blk	
			LS crm-t gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm, fn xtl, fos, v chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			LS lt gry, fn xtl, sli fos, dnse	
			Sh gry	
			LS crm-tan, fn xtl, fos-ool, f int xtl & int frag por, NS	
			LS tan-gry, vfn xtl, dnse	
			LS crm-tan, fn xtl, chky, dnse	
			Sh red-grn-gry	
			Sh blk, carb	Muncie Creek 4212 (-1080)
			LS tan-gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			Sh grn-gry	
			LS lt gry-gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos-sli ool, chky, p int xtl-pp por, sptd stn, VSSFO, sli odor, dull-f flour	
			LS lt gry, vfn xtl, dnse	
			LS crm-t gry, fn xtl, fos-sli ool, chky, p int xtl-pp por, sptd stn, VSSFO, sli odor, dull-f flour	
			LS lt gry, vfn xtl, dnse	
			Sh blk, carb	Stark 4305 (-1173)
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, sli odor, dull flour	
			LS crm-t gry, fn-vfn xtl, sli chky p int xtl-pp por, NS	
			Sh blk carb	
			LS tan-gry motld, fn xtl, chty, dnse	
			LS lt gry-gry, fn xtl, fos, sli chky p pp-vug por on few pcs, sptd blk stn, VSSFO, no odor, no flour	
			LS lt gry-gry, fn xtl, fos, sli chky p-f int frag por, sptd dk stn on few pcs, VSSFO, no odor, dull flour	
			Sh red-grn-gry	B/K.C. 4373 (-1241)
			LS lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			Sh/Ss red-gry-dk gry	
			LS crm-tan, fn xtl, fos, sli chky, p int xtl-pp por, sptd stn on few pcs, VSSFO, no odor, dull flour	
			LS crm-t gry, fn xtl, fos, sli chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, f odor, dull-f flour	
			LS crm-t gry, vfn xtl, fos, dnse	
			Sh grn-gry	
			LS crm-t gry, vfn xtl, fos, chky, wool cht	
			LS crm-tan, vfn xtl, fos, chky, sli chty, dnse	
			LS crm-t gry, vfn xtl, chky, dnse	
			Sh blk carb	Pawnee 4517 (-1385)
			LS crm-t gry, fn xtl, fos, chky, arg in prt, p int xtl-pp por, NS	
			LS crm-tan, vfn xtl, sli fos, sli chty, dnse	
			LS crm-tan, fn xtl, fos-sli ool, chky, p int xtl por, NS	
			LS crm-t gry, vfn xtl, chky, dnse	
			Sh blk, carb	
			LS crm-tan, fn xtl, sli fos, sli chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, f odor, dull-f flour	
			Sh blk carb	
			LS crm-tan fn xtl, fos-ool, p-f int frag-por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS tan-gry motld, vfn xtl, ool	
			LS crm-t gry, fn xtl, fos, p int xtl-pp por, sptd stn on few pcs, VSSFO, sli odor, no flour	
			LS tan-gry, mic xtl, chty, dnse	
			Sh blk carb	Cherokee Shale 4598 (-1466)
			Sh crm-tan-gry mot, fn xtl, fn ool, chky, f int ool por, NS	
			LS gry, mic xtl, dnse	
			Sh blk	
			LS tan-gry, w/int bed blk Sh	
			LS crm-tan-lt gry, fn xtl, fos, chky, p int xtl por, NS	
			Sh grn-gry	
			LS crm-tan, fn xtl, sli fos, chky, p-f int xtl-pp por, sptd stn on few pcs, SSFO, sli odor, dull-f flour	
			LS crm-tan, fn xtl, sli fos, sli chky, p-f int xtl-pp por, few vugs, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm-tan, mic xtl, chty, dnse	
			Sh gry-dk gry	
			LS crm-gry, vfn xtl, chky, dnse	
			LS tan-brn, fn xtl, sli fos, sli chky, p int xtl-pp por, sptd stn on few pcs, VSSFO, sli odor, dull flour	
			LS crm-tan, vfn xtl, sli fos, chky, dnse	
			LS crm, vfn xtl, sli fos, chky, dnse	
			LS clear-wh, fn gm, sub ang, poor cement, friable, NS	
			Sh var col, sli chty, w/vfn gm tile SS	
			SS lt gry, fn gm, friable, NS, w/dk gry-blk Sh	
			SS lt gry, fn-med gm, sub rnd, friable, sli glauc, NS	
			SS var col, silty-sandy, calc	
			SS lt gry, fn-med gm, sub rnd, glauc, tile, w/lt gm Sh	
			SS lt gry, med gm, sub ang, poor cement, friable, NS	
			LS crm-tan, vfn xtl, sandy in prt, 2 pcs LS w/lt int xtl-pp por, sptd stn, VSSFO, no odor, dull flour	
			LS crm-tan, mic xtl, dnse	
			LS lt gry-tan, vfn xtl, sandy in prt, sli glauc, dnse, w/lt gm Sh	
			LS crm, vfn xtl, sub chky in prt, dnse	
			LS crm-tan, mic xtl, dnse	
			LS tan-gry, mic xtl, dnse	
			LS crm-t gry, mic xtl, dnse	
			Total Depth 4875 (-1743)	

DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT	SAMPLE DESCRIPTION	REMARKS
50				Anhydrite 2458 (+676)
				Base/Anhydrite 2477 (+655)
2500				
50			LS crm-gr, vfn xtl, sli fos, dnse	
			Sh gry-dk gry	
			LS crm-gr, vfn xtl, sli fos, p-f int xtl-pp por, NS	
			Sh gry	
			LS crm-tan, fn xtl, fos, p-f int xtl-pp por, NS	
			Sh gry	
			LS tan, vfn xtl, fos-sub ool, f int xtl & pp-vug por, NS	
			Sh blk	
			LS crm-t gry, fn xtl, fos, chky, p int xtl-pp por, NS	
			Sh gry-blk	
			LS crm-t gry, fn xtl, fos, chky, p int xtl-pp por, NS	
			LS gry, vfn xtl, dnse	
			Sh blk, carb	
			LS crm-tan, fn xtl, fos, chky, f int xtl-pp por, NS	
			LS crm, vfn xtl, chky in prt, dnse	
			LS crm-tan, fn xtl, fos, chky, f int xtl-pp por, NS	
			Sh gry-dk gry	
			Sh gry-dk gry	
			LS crm-t gry, fn xtl, fos, chky, f int xtl-pp por, NS	
			Sh blk, carb	Heebner 3987 (-855)
			Sh gry-dk gry, calc	Toronto 4001 (-869)
			LS crm-t gry, fn xtl, fos, sli chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, sli odor, dull flour	
			AA, sli decrease in SFO	
			Sh gry-dk gry, calc	Lansing 4027 (-895)
			LS crm, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm, vfn xtl, dnse	
			Sh gry	
			LS lt gry, fn xtl, fos-sub ool, p-f int xtl & pp-vug por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS crm, vfn-xtl, fos, sli chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			LS crm-t gry, fn xtl, fos-sub ool, chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			Sh gry-blk	
			LS crm-t gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm, fn xtl, fos, v chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, v sli odor, dull flour	
			LS lt gry, fn xtl, sli fos, dnse	
			Sh gry	
			LS crm-tan, fn xtl, fos-ool, f int xtl & int frag por, NS	
			LS tan-gry, vfn xtl, dnse	
			LS crm-tan, fn xtl, chky, dnse	
			Sh red-grn-gry	
			Sh blk, carb	Muncie Creek 4212 (-1080)
			LS tan-gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			Sh grn-gry	
			LS lt gry-gry, vfn xtl, dnse	
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos-sli ool, chky, p int xtl-pp por, sptd stn, VSSFO, sli odor, dull-f flour	
			LS lt gry, vfn xtl, dnse	
			LS crm-t gry, fn xtl, fos-sli ool, chky, p int xtl-pp por, sptd stn, VSSFO, sli odor, dull-f flour	
			LS lt gry, vfn xtl, dnse	
			Sh blk, carb	Stark 4305 (-1173)
			Sh grn-gry	
			LS crm-t gry, fn xtl, fos, chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, sli odor, dull flour	
			LS crm-t gry, fn-vfn xtl, sli chky p int xtl-pp por, NS	
			Sh blk carb	
			LS tan-gry motld, fn xtl, chty, dnse	
			LS lt gry-gry, fn xtl, fos, sli chky p pp-vug por on few pcs, sptd blk stn, VSSFO, no odor, no flour	
			LS lt gry-gry, fn xtl, fos, sli chky p-f int frag por, sptd dk stn on few pcs, VSSFO, no odor, dull flour	
			Sh red-grn-gry	B/K.C. 4373 (-1241)
			LS lt gry, fn xtl, fos, chky, p-f int xtl-pp por, NS	
			Sh/Ss red-gry-dk gry	
			LS crm-tan, fn xtl, fos, sli chky, p int xtl-pp por, sptd stn on few pcs, VSSFO, no odor, dull flour	
			LS crm-t gry, fn xtl, fos, sli chky, p-f int xtl & pp-vug por, sptd-sli sat stn, SFO, f odor, dull-f flour	
			LS crm-t gry, vfn xtl, fos, dnse	
			Sh grn-gry	
			LS crm-t gry, vfn xtl, fos, chky, wool cht	
			LS crm-tan, vfn xtl, fos, chky, sli chty, dnse	
			LS crm-t gry, vfn xtl, chky, dnse	
			Sh blk carb	Pawnee 4517 (-1385)
			LS crm-t gry, fn xtl, fos, chky, arg in prt, p int xtl-pp por, NS	
			LS crm-tan, vfn xtl, sli fos, sli chty, dnse	
			LS crm-tan, fn xtl, fos-sli ool, chky, p int xtl por, NS	
			LS crm-t gry, vfn xtl, chky, dnse	
			Sh blk, carb	
			LS crm-tan, fn xtl, sli fos, sli chky, p-f int xtl-pp por, sptd-sli sat stn on few pcs, SSFO, f odor, dull-f flour	
			Sh blk carb	
			LS crm-tan fn xtl, fos-ool, p-f int frag-por, sptd-sli sat stn, SSFO, sli odor, dull flour	
			LS tan-gry motld, vfn xtl, ool	
			LS crm-t gry, fn xtl, fos, p int xtl-pp por, sptd stn on few pcs, VSSFO, sli odor, no flour	
			LS tan-gry, mic xtl, chty, dnse	
			Sh blk carb	Cherokee Shale 4598 (-1466)
			Sh crm-tan-gry mot,	