



Operator Name: Viking Resources, Inc. Lease Name: Nichol-Geyer Well #: 1  
 Sec. 13 Twp. 6 S. R. 21  East  West County: Graham

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

Radiation Guard  
 Neutron Density Porosity  
 Fracfinder

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Anhydrite	1840	+407
B Anhydrite	1874	+373
Topeka	3241	-994
LKC	3466	-1219
BKC	3677	-1430

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-7/8		219 <input checked="" type="checkbox"/>	Common	165	2% gel 3%cc
Production	7-7/8	4-1/2	10.5	3756	ASC	200	2%gel WFR2

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3630-33, 3635-38, 3644-47,	1500 gal 28% acid	3630-47
4	3520-24	none	3520-24
4	3468-72	1000 gal 28% acid	3468-72

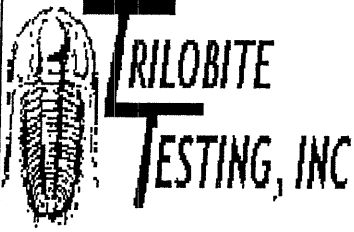
TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8	3674	3608	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
2/6/01	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
	30	0	0	

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  
 METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval:  Other (Specify) \_\_\_\_\_

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**APR 30 2002**



## DRILL STEM TEST REPORT

Viking Resources Inc  
 105 S. Broadway #1040  
 Wichita, KS 67202  
 ATTN: Bob Peterson

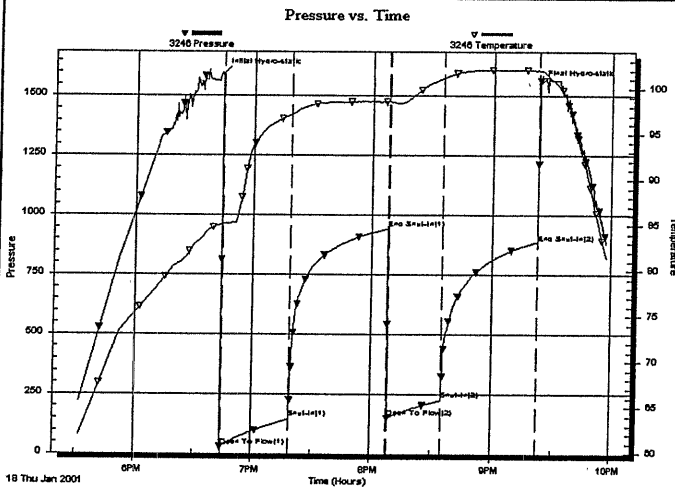
Nichols-Geyer #1  
 13-6S-21W Graham KS  
 Job Ticket: 13331      DST#: 1  
 Test Start: 2001.01.18 @ 17:00:00

### GENERAL INFORMATION:

Formation: <b>Topeka</b> Deviated: No Whipstock:                      ft (KB) Time Tool Opened: 18:44:28 Time Test Ended: 23:10:00 Interval: <b>3249.00 ft (KB) To 3332.00 ft (KB) (TVD)</b> Total Depth: 3332.00 ft (KB) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole Tester: Rod Steinbrink Unit No: 12 Reference Elevations: 2247.00 ft (KB) 2242.00 ft (CF) KB to GR/CF: 5.00 ft
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Serial #: <b>3246</b> Inside Press@RunDepth: 224.33 psig @ 3260.00 ft (KB) Start Date: 2001.01.18      End Date: 2001.01.18 Start Time: 17:32:28      End Time: 21:57:58	Capacity: 6000.00 psig Last Calib.: 2001.01.18 Time On Btm: 2001.01.18 @ 18:43:58 Time Off Btm: 2001.01.18 @ 21:22:43
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**TEST COMMENT:** IF; Fair to strong blow off bttm in 10 mins. IS; no return blow  
 FF; Fair to strong blow off bttm in 20 mins. FSI; No return blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
72	1592.59	85.11	Initial Hydro-static
72	26.74	85.15	Open To Flow (1)
107	145.02	97.23	Shut-in(1)
156	940.50	98.58	End Shut-in(1)
156	148.63	98.58	Open To Flow (2)
183	224.33	101.19	Shut-in(2)
230	882.68	101.98	End Shut-in(2)
231	1549.55	101.98	Final Hydro-static

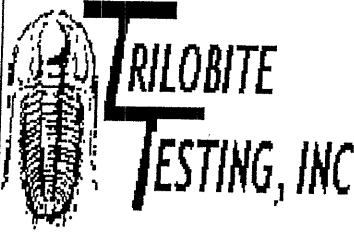
### Recovery

Length (ft)	Description	Volume (bbt)
120.00	Muddy Water 80%wtr 20% mud	1.68
320.00	Water	4.49

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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## DRILL STEM TEST REPORT

Viking Resources Inc  
 105 S. Broadway #1040  
 Wichita, KS 67202  
 ATTN: Bob Peterson

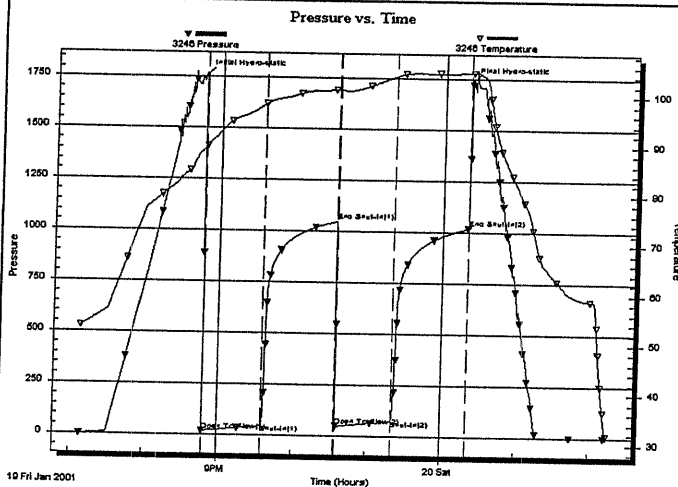
Nichols-Geyer #1  
 13-6S-21W Graham KS  
 Job Ticket: 13332      DST#: 2  
 Test Start: 2001.01.20 @ 19:07:00

### GENERAL INFORMATION:

Formation: L/KC F - G  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:47:40  
 Time Test Ended: 02:15:00  
 Interval: 3534.00 ft (KB) To 3568.00 ft (KB) (TVD)  
 Total Depth: 3568.00 ft (KB)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Rod Steinbrink  
 Unit No: 12  
 Reference Elevations: 2247.00 ft (KB)  
 2242.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: 3246 Inside  
 Press@RunDepth: 73.02 psig @ 3540.00 ft (KB) Capacity: 7000.00 psig  
 Start Date: 2001.01.19 End Date: 2001.01.20 Last Calib.: 2001.01.19  
 Start Time: 19:08:27 End Time: 02:15:25 Time On Btm: 2001.01.19 @ 20:47:10  
 Time Off Btm: 2001.01.20 @ 00:21:25

TEST COMMENT: IF; Weak to med blow built to 4" IS; No return FF; Weak return built to 2" FS; No return.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
99	1761.56	89.37	Initial Hydro-static
100	15.75	89.51	Open To Flow (1)
148	45.71	98.30	Shut-In(1)
206	1048.83	101.27	End Shut-In(1)
207	47.79	101.26	Open To Flow (2)
252	73.02	104.05	Shut-In(2)
312	1018.57	104.76	End Shut-In(2)
313	1736.05	104.79	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
130.00	MCW 90%wtr 10%mud	1.82

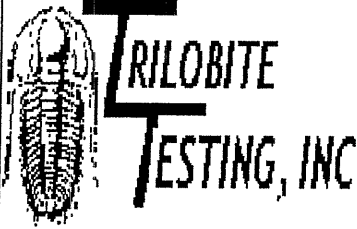
### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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 KANSAS CORPORATION COMMISSION

APR 30 2001





## DRILL STEM TEST REPORT

Viking Resources Inc  
 105 S. Broadway #1040  
 Wichita, KS 67202  
 ATTN: Bob Peterson

Nichols-Geyer #1  
 13-6S-21W Graham KS  
 Job Ticket: 13334      DST#: 4  
 Test Start: 2001.01.21 @ 11:22:00

### GENERAL INFORMATION:

Formation: **Conglomerate**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 13:07:55  
 Time Test Ended: 17:19:10

Test Type: Conventional Bottom Hole  
 Tester: Rod Steinbrink  
 Unit No: 12

Interval: **3659.00 ft (KB) To 3742.00 ft (KB) (TVD)**  
 Total Depth: 3742.00 ft (KB)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

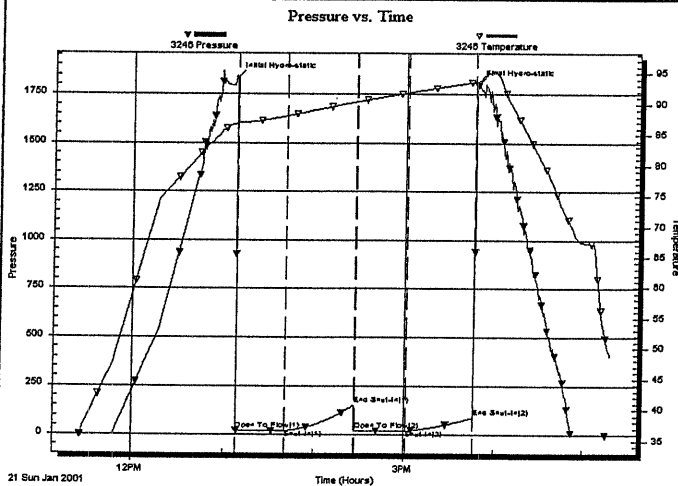
Reference Elevations: 2247.00 ft (KB)  
 2242.00 ft (CF)  
 KB to GR/CF: 5.00 ft

Serial #: **3246** Inside

Press@RunDepth: 20.99 psig @ 3673.00 ft (KB)  
 Start Date: 2001.01.21 End Date: 2001.01.21  
 Start Time: 11:25:27 End Time: 17:19:10

Capacity: 7000.00 psig  
 Last Calib.: 2001.01.19  
 Time On Btm: 2001.01.21 @ 13:07:10  
 Time Off Btm: 2001.01.21 @ 15:47:40

TEST COMMENT: IF; Weak 1/4" blow decreased to surface at final  
 FF; Weak intermitten blow died in 20 mins.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
102	1833.52	86.88	Initial Hydro-static
103	18.17	86.94	Open To Flow (1)
136	20.01	88.13	Shut-In(1)
181	149.99	90.38	End Shut-In(1)
182	19.93	90.42	Open To Flow (2)
216	20.99	91.87	Shut-In(2)
262	89.01	93.64	End Shut-In(2)
263	1801.97	93.73	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drig. Mud w/oil stains	0.07

### Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

RECEIVED  
 KANSAS CORPORATION COMMISSION

APR 30 2002

# ALLIED CEMENTING CO., INC.

6663

Federal Tax I.D.# ~~40-0707060~~

ORIGINAL  
SERVICE POINT: *R*

P.O. BOX 31  
RUSSELL, KANSAS 67665

<i>1-1501</i>	SEC. <i>13</i>	TWP. <i>6S</i>	RANGE <i>21W</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <i>4:15pm</i>
WELL# <i>Nichol Geyel # 1</i>			LOCATION <i>Bygones + 24 9N 4E</i>		COUNTY <i>Phillips</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)			<i>1 1/2 N 4W</i>		GRAHAM		

CONTRACTOR *Martin Ditz Rig 16*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *220*

CASING SIZE *2 1/2* DEPTH *219*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *10 1/5*

PERFS.

DISPLACEMENT *20# 13 1/2 BBI*

OWNER

CEMENT *Com*

AMOUNT ORDERED *165 @ 392*

COMMON	<i>165</i>	@	<i>6.35</i>	<i>1647.75</i>
POZMIX		@		
GEL	<i>3</i>	@	<i>9.50</i>	<i>28.50</i>
CHLORIDE	<i>5</i>	@	<i>28.00</i>	<i>140.00</i>
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>173</i>	@	<i>1.05</i>	<i>181.65</i>
MILEAGE	<i>44/SK</i>	@	<i>3.10</i>	<i>136.40</i>
TOTAL				<i>1833.86</i>

EQUIPMENT

*153*

PUMP TRUCK # *153* CEMENTER *Dave* HELPER *Paul*

BULK TRUCK # DRIVER

BULK TRUCK # *160* DRIVER *Shane*

REMARKS:

*Cement Ck ✓*

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE *470.00*

EXTRA FOOTAGE @

MILEAGE *63* @ *3.10* *198.30*

PLUG *8 1/2 wooden* @ *45.00*

TOTAL *704.00*

CHARGE TO: *Viking Resources*

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

RECEIVED

KANSAS CORPORATION COMMISSION

@

@ *APR 30 2002*

@

@ CONSERVATION DIVISION

@ WICHITA, KS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or

TOTAL

# ALLIED CEMENTING CO., INC.

6732

Federal Tax I.D.# 48-0727062

ORIGINAL  
SERVICE POINT

MIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

R

DATE <u>1/22/01</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>2:30p.m.</u>	JOB START	JOB FINISH <u>1:30p.m.</u>
LEASE <u>Nickol</u>	WELL # <u>1</u>	LOCATION <u>Boyer 9W 4W 1/2 N W</u>			COUNTY <u>Crawford</u>	STATE <u>Ks.</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Martin 110  
 TYPE OF JOB Long String  
 HOLE SIZE 7 7/8" T.D. 3712  
 CASING SIZE 4 1/2 DEPTH 3752  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL Port Collar DEPTH 1820'  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 59 1/4 BBL.

OWNER  
 CEMENT  
 AMOUNT ORDERED 200 ASC 20% Gel  
500 Gal WFR2

EQUIPMENT  
 PUMP TRUCK CEMENTER Penl  
 # 153 HELPER Tason  
 BULK TRUCK  
 # 1100 DRIVER Darin  
 BULK TRUCK  
 # DRIVER

COMMON @  
 POZMIX @  
 GEL 4 @ 9.50 38.00  
 CHLORIDE @  
200 ASC @ 8.20 1,640.00  
WFR2 500 Gal @ 1.00 500.00  
 @  
 @  
 @  
 HANDLING 216 @ 1.05 226.80  
 MILEAGE .04/sk/mi. 540.00  
 TOTAL 2,944.80

REMARKS:

SERVICE

Circ. Mr. Pumped Flush.  
MEXCO 125 SK  
Fleet Held! Thank You!  
155x Pot hole  
105x Mousehole

DEPTH OF JOB  
 PUMP TRUCK CHARGE 4080.00  
 EXTRA FOOTAGE @  
 MILEAGE 62.5 @ 3.00 187.50  
 PLUG 5 1/2 @ 50.00 50.00  
 @  
 @

TOTAL 1,317.50

CHARGE TO: Viking Resources

STREET

CITY STATE KANSAS CORPORATION COMMISSION

APR 30 2002

CONSERVATION DIVISION  
WICHITA, KS

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment  
 and furnish cementer and helper to assist owner or

FLOAT EQUIPMENT

Guide Shoe @ 125.00 125.00  
Insert @ 210.00 210.00  
Centralizers 1 @ 45.00 45.00  
Basket 2 @ 116.00 232.00  
Port Collar @ 1,100.00 1,100.00

TOTAL 2,572.00



# ALLIED CEMENTING CO., INC. 8431 ORIGINAL

Federal Tax I.D.# ~~15-0123456~~

P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Wess City

DATE <u>02-01-01</u>	SEC. <u>13</u>	TWP. <u>6S</u>	RANGE <u>21W</u>	CALLED OUT <u>7:00 AM</u>	ON LOCATION <u>11:00</u>	JOB START <u>12:00 PM</u>	JOB FINISH <u>4:00 PM</u>
WELL # <u>1</u>		LOCATION <u>BOGUE 10W 4E 11N 4W</u>			COUNTY <u>GRAHAM</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR FITZLER Well Service OWNER Viking P

TYPE OF JOB PORT COLLAR

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL PORT COLLAR DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

CEMENT

AMOUNT ORDERED 4500L 65/35 10= 6% GEL

1/4" FLO SEAL SK  
(USED 3854)

COMMON	<u>385 ALW</u>	@	<u>6.00</u>	<u>2310.00</u>
POZMIX		@		
GEL	<u>544</u>	@	<u>9.50</u>	<u>47.50</u>
CHLORIDE		@		
SAND	<u>344</u>	@	<u>5.75</u>	<u>11.50</u>
Flo Seal	<u>96 #</u>	@	<u>1.40</u>	<u>134.40</u>
		@		
		@		
HANDLING	<u>461</u>	@	<u>1.05</u>	<u>484.05</u>
MILEAGE	<u>63</u>			<u>1161.72</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER BOB

# 224 HELPER JIM

BULK TRUCK

# 222 DRIVER TROY

BULK TRUCK

# 260 DRIVER LONNIE

TOTAL \$ 4149.17

**REMARKS:**

PORT COLLAR 1850'

BRIDGE PLUG 3250'

RUN TUBING TO 2000. PRESS (SG TO 1000) & LEAD

SPOT 2 1/2" SAND ON PLUG WAIT 30 MIN

TRIP TO PORT COLLAR & OPEN COLLAR

MIXED 8% GEL SANDY MIXED 14

15/35 102 6% GEL 1/4" FLO SEAL SK

CEMENT CALCULATED (CLOSE PORT COLLAR) PRESS TO 1000 # LEAD

WASH TUBING (LEAD) - GO TO BRIDGE PLUG WASH OFF SAND

**SERVICE**

DEPTH OF JOB 1850'

PUMP TRUCK CHARGE \_\_\_\_\_ 580.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 63 @ 3.00 189.00

PLUG \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \$ 769.00

CHARGE TO: Viking Resources

STREET \_\_\_\_\_

CITY WKAITA STATE KS ZIP \_\_\_\_\_

**FLOAT EQUIPMENT**

RECEIVED

KANSAS CORPORATION COMMISSION

@ \_\_\_\_\_

@ APR 30 2002

@ \_\_\_\_\_

@ \_\_\_\_\_

@ CONSERVATION DIVISION

@ WICHITA, KS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing \_\_\_\_\_

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**MAY 08 2002**

CONSERVATION DIVISION  
WICHITA, KS

Viking Resources, Inc.

Nichol-Geyer #1  
2310' FSL & 990' FEL  
13-6S-21W  
Graham County, Kansas  
2247 KB

<b>Tops</b>	<b>Depth</b>	<b>Datum</b>
Base Fort Hays	450	+1797
Anhydrite	1839	+408
Base Anhydrite	1873	+374
Topeka	3245	-998
Heebner	3446	-1199
Toronto	3477	-1230
LKC	3485	-1238
BKC	3676	-1429
Conglomerate	3719	-1472
Granite Wash	3733	-1486
Pre-Cambrian	3755	-1508
LTD	3760	-1513
RTD	3762	-1515

### **Sample Description**

**Deer Creek 3297 (-1050)** Limestone; white, fine crystalline, foss./cherty w/ fair to good vug. por, light to even sat. sfo, odor.

DST#1 3254-3332; 30-45-30-45; Fair to strong blow to bottom of bucket in 10 min first open, Fair to strong blow off bottom in 20 min. Recovered 120' MW and 320 W; IH, 1592, FH 1580, ISIP 899, FSIP 849, IFP 26-114, FFP 148-224

**Toronto 3477 (-1230)** Limestone; white, foss., sub-granular w/ fair inter-foss. por, dark sat along porosity to full saturation, sfo, odor

**LKC-A 3485 (-1238)** Limestone; white, fine crystalline foss., w/ trace poor to fair inter crystalline vugular por., spot to dark full sat. ssfo, odor.

**LKC-B 3517 (-1270)** Limestone; white, fine crystalline; w/ fair inter crystalline pinpoint vugular por., spot to dark full sat. ssfo, odor.

**LKC-D 3535 (-1288)** Limestone; white, fine crystalline, foss, w/ poor to fair inter crystalline pinpoint vugular por., sat along por, ssfo.

**LKC-F 3550 (-1303)** Limestone; white, fine crystalline, foss., w/ poor-fair inter foss por., sat. along por, ssfo, odor.

**LKC-G 3562 (-1303)** Limestone; white, , foss., w/ fair to good inter-foss por., sat. along por, ssfo, odor.

DST#2 3539-3568; 45-60-45-60; Weak to medium blow built to 4" first open, Weak blow slowly built to 2". Recovered 130' MCW; IH, 1761, FH 1736, ISIP 1048, FSIP 1018, IFP 15-45, FFP 47-73

**LKC-H 3607 (-1360)** Limestone; light gray, cherty.

**LKC-I 3628 (-1381)**  
3628-32 Limestone; white, chalky.

3633-39 Limestone; white, very fine crystalline, foss., w/ trace poor vug., sat. stain, odor.

**LKC-J 3641 (-1394)** Limestone; white, very fine crystalline, tr. foss., w/ trace-poor ppt por., dark sat. stain, ssfo, odor.

**LKC-K 3659 (-1412)** Limestone; white, foss, w/fair to good inter-foss. por. sat stain.

**LKC-L 3669 (-1422)** Limestone; lt gray, very fine crystalline, cherty, w/ poor frac. por, spot sat.

DST#3 3586-3680; 30-45-30-45; First open weak to fair blow off bottom in 20 min., Second open weak to fair blow off bottom in 15 min.; Recovered 90' GIP, 10' FO, 20' mud cut oil (70% oil), 120' heavy oil cut mud (35% oil); IH, 1777, FH 1719, ISIP 1130, FSIP 121, IFP 16-51, FFP 49-81

**Conglomerate 3719 (-1471)** Sand, clear, fine to med, sub-angular, and consolidate (calcareous cement) to rounded to well-rounded loose, chert, fresh sharp quartz and

weathered white feldspar (reworked granite wash), loose sand, . trace sat stain on tight consolidated sandstone fragments.

DST#4 3664-3742; 30-45-30-45; First open weak blow to 0.25", Second open weak to weak intermittent died in 20 min.; Recovered 5' mud; IH, 1833, FH 1801, ISIP 149, FSIP 89, IFP 18-20, FFP 19-20