



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1137715  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1137715

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input 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

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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR: \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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**#1 Riegel 28AD**  
2305' FSL & 2000' FEL  
5' S & 20' W of N/2 NW SE Section 28-27S-22W  
Ford Co., Kansas  
API# 15-057-20873-00-00  
Elevation: 2419' GL, 2431' KB

Sample Tops			Ref. Well
Anhydrite	1445'	+986	-23
B/Anhydrite	1490'	+941	-21
Stotler	3548'	-1117	-15
Heebner	4204'	-1773	-11
Toronto	4222'	-1791	-10
Lansing	4346'	-1915	-10
Muncie	4526'	-2095	-8
Stark	4669'	-2238	-22
Hush.	4712'	-2281	-20
BKC	4761'	-2330	-28
Marmaton	4804'	-2373	-15
Pawnee	4883'	-2452	-20
Cherokee Shale	4932'	-2501	-25
Huck	5012'	-2581	-22
Atoka	5018'	-2587	-20
Mississippian	5042'	-2611	-23
RTD	5200'	-2769	

# Ritzer 28AD-1

## ALLIED OIL & GAS SERVICES, LLC 059237

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend, KS

DATE <u>1/13</u>	SEC. <u>28</u>	TWP. <u>27S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 AM</u>	JOB FINISH <u>5:00 AM</u>
LEASE <u>Acgud 28</u>	WELL # <u>AD</u>	LOCATION <u>Ford 1W 2E 3/4N</u>		COUNTY <u>Ford</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>W Ford</u>			

CONTRACTOR Duke Drilling #1 OWNER \_\_\_\_\_

TYPE OF JOB Surf

HOLE SIZE 12 1/4 T.D. \_\_\_\_\_

CASING SIZE 4 1/2 DEPTH 397.57

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

DRILL PIPE 1 1/2 DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

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

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

CEMENT LEFT IN CSG. 156

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

DISPLACEMENT 24.36 bbls Freshwater

EQUIPMENT \_\_\_\_\_

PUMP TRUCK # <u>766</u>	CEMENTER <u>Phil Chambers</u>	
BULK TRUCK # <u>629-112</u>	HELPER <u>Charles Klaysa</u>	
BULK TRUCK # _____	DRIVER <u>Karla Weigher</u>	
BULK TRUCK # _____	DRIVER <u>Karla Eddy</u>	

REMARKS:

Break circulation with bit mud

plug 5 bbls Freshwater ahead

with 2.75 sacks Class A 3/4" 2 1/2" 2 1/2" 2 1/2"

Displace 24.36 bbls Freshwater

cement die circulation

plug down 4:45 AM

AD 12/13

CEMENT AMOUNT ORDERED <u>2.75 sacks Class A</u>			
<u>3/4" 2 1/2"</u>			
COMMON <u>2.75</u>	@ <u>17.90</u>	<u>49.22</u>	<u>.50</u>
POZMIX _____	@ _____		
GEL <u>5</u>	@ <u>23.40</u>	<u>117.00</u>	
CHLORIDE <u>10</u>	@ <u>64.00</u>	<u>640.00</u>	
ASC _____	@ _____		
HANDLING <u>297.07</u>	@ <u>2.48</u>	<u>736.73</u>	
MILEAGE <u>13.56 x 50</u>	@ <u>2.60</u>	<u>1.762.80</u>	
TOTAL		<u>8179.03</u>	

618-

SERVICE

DEPTH OF JOB _____		
PUMP TRUCK CHARGE <u>1512.35</u>		
EXTRA FOOTAGE _____	@ _____	
MILEAGE <u>Hum 50</u>	@ <u>7.70</u>	<u>385.00</u>
MANIFOLD _____	@ _____	
<u>Hum 50</u>	@ <u>4.40</u>	<u>220.00</u>
TOTAL		<u>2117.35</u>

CHARGE TO: Brochie Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To: Allied Oil & Gas Services, LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mike Godfrey

SIGNATURE Mike Godfrey

Thank You!

PLUG & FLOAT EQUIPMENT

_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
_____	@ _____	
TOTAL		_____

SALES TAX (If Any) 451.52

TOTAL CHARGES 10,296.28

DISCOUNT 25% 2,574.07

IF PAID IN 30 DAYS

7,722.21



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

May 02, 2013

John Niernberger  
Ritchie Exploration, Inc.  
8100 E 22ND ST N # 700  
BOX 783188  
WICHITA, KS 67278-3188

Re: ACO1  
API 15-057-20873-00-00  
Riegel 28AD 1  
SE/4 Sec.28-27S-22W  
Ford County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
John Niernberger

Max R. Lovely

58-278-22100

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Richie Exploration, Inc.**  
 LEASE **#1 Riegel 28AD**  
 FIELD **Wildcat**

ELEVATIONS  
 KB **2431**  
 DF **2419**  
 GL **2419**  
 Measurements Are All From **KB**

LOCATION **N/2 NW/SE**  
 SEC **28** TWP **27** RGE **22W**  
 COUNTY **Ford** STATE **KS**

CASING  
 SURFACE **8 5/8 @ 394'**  
 PRODUCTION \_\_\_\_\_  
 ELECTRICAL SURVEYS  
 Comp **N/D**  
 Dual **IND**

CONTRACTOR **Duke Rig #1**

SPUD **1-18-2013** COMP **1-29-2013**

RTD **5200** LTD **5205**

MUD UP **3599** TYPE MUD **Chem**

### FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION		
				A	B	C
Anhydrite	1445	1430	1001	1009		
Base Anhydrite	1490	1473	950	962		
Stoller	3548	3550	1119	1102		
Heebner	4204	4216	1785	1762		
Lansing	4346	4351	1920	1905		
Stark	4689	4677	2246	2216		
Marmaton	4804	4811	2380	2356		
Pannee	4883	4889	2458	2432		
Cherokee SH	4932	4936	2505	2476		
Aloka SH	5018	5027	2588	2567		
Morrow						
Mississioi	5042	5046	2615	2588		

### REFERENCE WELLS FOR STRUCTURE

- A **Ritche #1 Ford Feed Yard S/2 SE SW 29-27-22W**
- B \_\_\_\_\_
- C \_\_\_\_\_

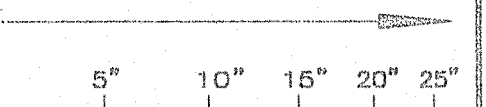
### REMARKS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool.Lime	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT  
 Rate of Penetration Decreases



DEPTH

LITHOLOGY

SAMPLE DESCRIPTIONS

OIL SHOWS

REMARKS

0144 901

ANHYDRITE  
1445 +986  
1450

BASE  
ANHYDRITE  
1490 +941

3400



3500

STOTLER  
3548 -1117

3600

7:AM 1-23-2012  
DRLG @ 3610'

MUD CHECK  
VIS 56 WT 8.6  
CHLOR 2.300 LCM 2  
FILT 7.2

GEO ON LOCK 3693'

GAS DETECTOR NOT WORKING

3700

C

C

C

3800

C

C

C

3900

C

LS, CRM, FXTLN, SOFT, CHLKY,  
BLK MINS  $\frac{1}{4}$ " IN, NO VIS  $\phi$ , NS

LS, BUFF, TAN, FXTLN, S  $\rightarrow$  SL  
HRD, ABUN FOSS, VG FOSS  $\phi$   
NS

LS, GRY, BRN, VFXTLN, HRD,  
ABUN W CMT'D FOSS + BOLL'S,  
NO APP  $\phi$ , NS

LS, TAN, HRD, FXTLN, ABUN SML  
FOSS, SL ALGAL, FEW Pcs  
TAN CHT, G FOSS  $\phi$ , NS

LS, TAN, BRN, FXTLN, G SCT FOSS,  
HRD, W CMT'D FOSS, NS

LS, TAN, BRN, SOFT, SL CHLKY  
NS

LS, WHT, VFXTLN, SL SUCR TXT,  
SOFT, NS

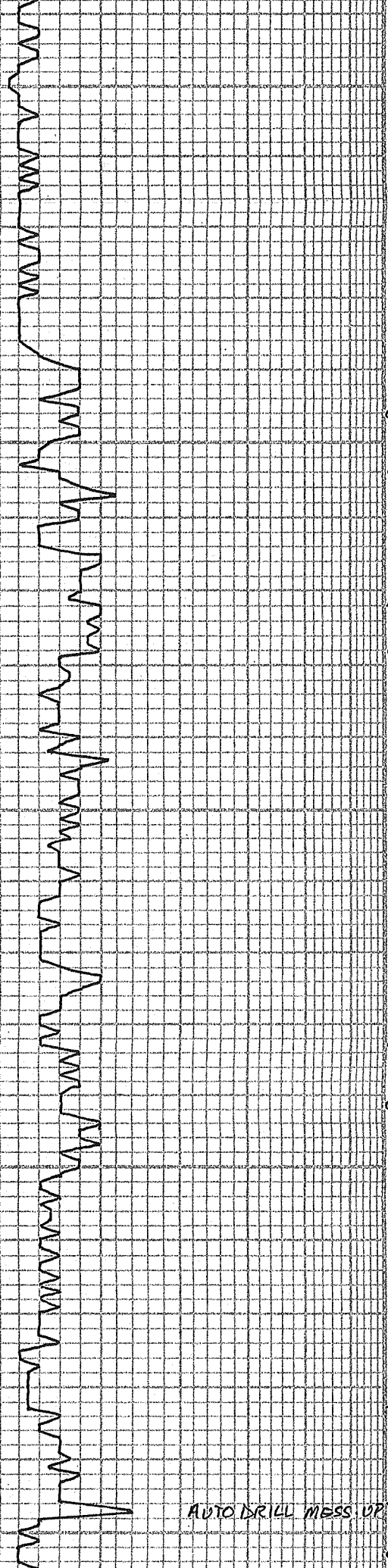
SH, GRY, SLTY, ? REW

SH, GRY, LMY

LS, WHT/CRM, SOFT, SCT MXTLS  
V SL CHLKY, G  $\phi$ , CLR OIL  
SPTS, FLUOR O SPTS, LITE SHOW  
FEW SCT  
PP FLUOR  
O SPTS

54 STRKS  
@ 800#  
VIS 45  
WT 8.8  
LCM 3

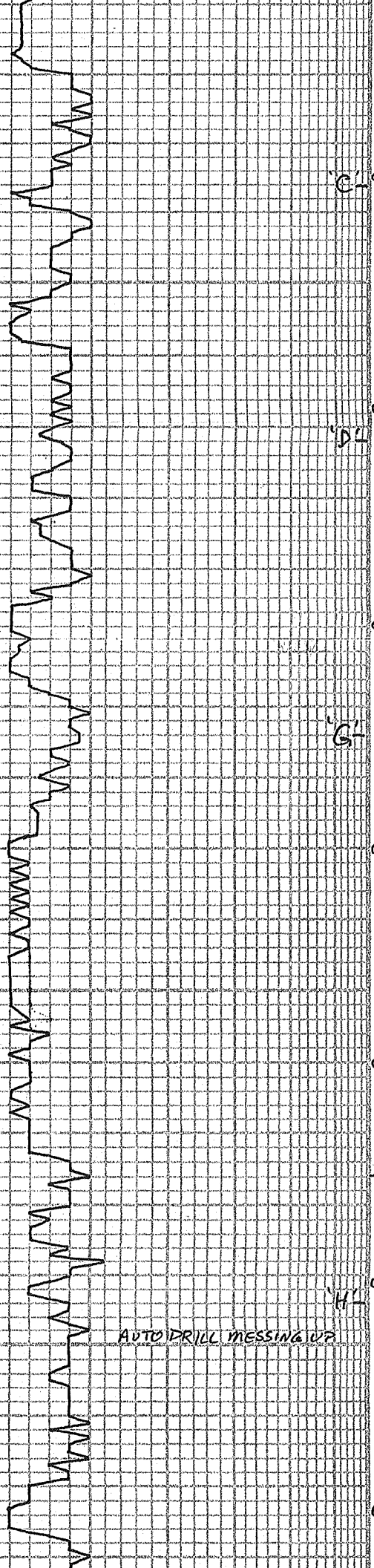




		M.A.
		LS. CRM, TAN, VF XTLN, VG Ø, SL HRD, CRS TXT, ABUN FOSS + ALGAL, NS
		LS. DK CRM, V XTLN, SL DPAQ, VG XTLN Ø, NS
		△ △ △ △ △ △ CMT, WHT, SL DPAQ, SCT SML FOSS FRAGS, FRESH
	<b>4200</b>	
	HEEBNER	SH, GRY
	4204 -1773	SH, BLK
		LS, GRY, VF XTLN, V DNS, V HRD, SL SCT SML FOSS, NO Ø, NS
		LS, CRM, F XTLN, SCT LG XTLN W/N, HRD, TITE, NS
	<b>TORONTO</b>	
	4222 -1791	LS, BUFE, TAN, F XTLN, HRD, ? Ø, NS
		LS, WHT, SL DOLA, VF XTLN, DNS, HRD, NO FOSS, VF XTLN Ø, NS
		SH, DK GRY, BLK
		SH, LT GRY
		SH, LT GRY, STICKY
	<b>DOUGLAS</b>	
		LS, CRM, TAN, F XTLN, V HRD, FOSS, NO APP Ø, NS
	<b>4300</b>	
		SH, GRN/GRY
		M.A.
		SH, GRY
	<b>BROWN LIME</b>	
	4333 -1902	LS, TAN, BRN, F XTLN, M HRD, FOSS, V PYR, NS
	<b>LANSING</b>	
	AUTO DRILL MESS. UP 4346 -1915	LS, WHT, CRM, VF XTLN, HRD, BRTL, SL FOSS, NS

MUD CHECK  
 VIS 47 WT 9.1  
 CHLOR 7.600 LCM 2  
 FILT 9.6

7:AM 1-25-13  
 DRLG @ 4337



4400

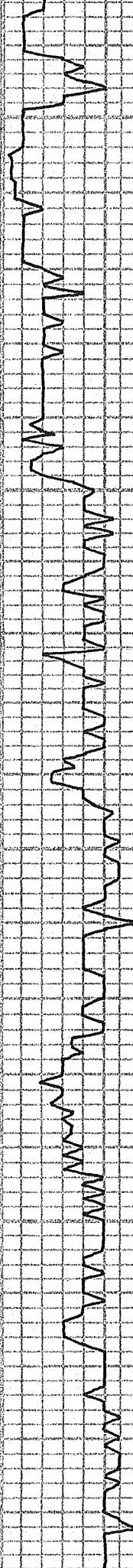
4500

MUNCIE SH  
H526-2095

AUTO DRILL MESSING UP

LS, WHT, CRM, BRN, VFXTLN, CRMBLY, ? Ø, NS
SH, GRAY
SH, GRAY
LS, TAN, BRN/GRAY, CRM, VFXTLN, DNS, HRD, NO APP Ø, NS
LS, CRM, VFXTLN, SL GRNLR TXT, HRD, SCT TAN CHT, NO VIS Ø NS
SH, GRAY
A.A.
CHY, WHT, SCT FOSS
LS, BRN, GRAY, VFXTLN, VHRD, V DNS, VW CHT'D FOSS, TITE, NS
SH, GRAY
LS, TAN, V DNS, V HRD, TITE, NS
CHY, GRAY, WHT, FOSS FRAGS NS
SH, DK GRAY, BLK, FISSLE
LS, BRN, CRM, VFXTLN, V HRD, DNS, FOSS, NO APP Ø, NS
LS, BRN, CRM, M → CRS XTLN, HRD, G XTLN Ø, NS
LS, CRM, TAN, FXTLN, SL GRNLR TXT, CHLKY, NS
A.A.
LS, CRM, WHT, VFXTLN, HRD, FEW SCT FOSS, NO VIS Ø, NS
LS, TAN, FXTLN, M HRD, V G VUG Ø, NS
SH, DK GRAY, BLK
LS, TAN, BUFF, FXTLN, HRD, FOSS, P Ø, NS
SH, GRAY
LS, TAN, FXTLN, HRD, SL DNS, FOSS, P Ø, NS
LS, WHT, FXTLN, HRD, FOSS, NS
SH, GRAY
LS, WHT, FXTLN, SØ EX, BATH, G INT XTLN Ø, NS
LS, TAN, VFXTLN, V DNS & HRD, TITE, NS

VIS 48  
WT 9.3  
LCM 3



J  
4600

LS, WHT, FXTLN, SOFT, BRTL, G INT XTLN P, NS

LS, TAN, VFXTLN, V DNS + HRD, TITE, NS

LS, TAN, S → M HRD, FXTLN, G UG + SL OOL Ø, OOL + FOSS FRAGS, FAIR WCMT'D OOLS, NS

AA. INCR OOL + SOFTER

LS, TAN, VFXTLN, V OOL + FOSS, VW CMT'D, TITE, HRD, NS

LS, TAN, FXTLN, HRD, DNS, TITE, NS

SH, GRY, BLK

LS, GRY, TAN, BUFF, FXTLN, HRD, PXTLN Ø, NS

c STARK  
4669 - 2238

SH, DK GRY, FEW PLS  
SH, BLK

'K'  
4676 - 2245

LS, CRM, TAN, FXTLN, HRD, BRTL, NO VIS Ø, NS

c 4700

Δ Δ CHT, WHT, WHT/GRY, V SL SML  
FOSS W/N, FRESH

Δ Δ CHT, DK GRY

HUSHPOCKNEY  
4712 - 2281

SH, GRY, BLK  
LS, TAN, CRM, GRY, VFXTLN, V DNS, SCT GRY + TAN Δ, NS

LS, CRM, BUFF, FXTLN, M HRD, V FOSS, P FOSS Ø, NS

LS, CRM, FXTLN, SOFT, CHLKY, NS

BKC  
c 4761 - 2330

SH, GRY

LS, BRN/TAN, FXTLN, HRD, FOSS, TITE, NS

LS, WHT, VFXTLN, CHLKY, DNS, HRD, NS

LS, GRY, VFXTLN, V DNS + HRD, TITE, NS

SH, GRY

c 4800

— NO KICKS —

ADD PREMIX

— NO KICKS —

VISS6  
WT 9.3  
LCM 1/2

7:AM 1-26-13  
DRLG @ 4743'

MUD CHECK  
VISSO WT 9.4  
CHLDR 8,900 LCM 2  
FILT 7.2

CARBIDE TEST  
290 HW KICK

4804-2373

LS, TAN, BRN, VF XTLN, DNS, HRD, SCT BRN CHT, NO P, NS

LS, GRAY, VF XTLN, HRD, G DOMO, S-M OOLS, W CMT'D OOLS, NO APP, NO PERM, NS

LS, TAN, GRAY, VF XTLN, V DNS, V HRD, TITE, NS

SH, GRN, LT GRAY

LS, TAN, FXTLN, HRD, V SCT FOSS + FRAGS, NS

LS, WH, V CLEAN LS, HRD, DNS, TITE, NS

SH, GRAY, FISSLE

PAWNEE  
4883-2452

LS, TAN, BRN, VF XTLN, DNS, HRD, TITE, FRAC'D, NS

A.A.

4900

SH, GRAY

LS, WH, VF XTLN, V DNS, HRD, V SML FOSS FRAGS, FRAC'D, NS

A.A.

CHEROKEE  
4932-2501

SH, BLK

LS, CRM, WH, VF XTLN, HRD, DNS, TITE, NS

SH, BLK

CHT, BLK, BRN, V FOSS, FRESH NS

LS, BRN, VF XTLN, V HRD, FOSS, TITE, NS

LS, A.A.

5000

SH, GRAY

HUCK  
5012-2581  
ATOKA  
5018-2587

LS, TAN, VF XTLN, HRD, DNS, NO P, NS  
LS, WH, SOFY, FXTLN, SML BRN O  
SPTS ON BRK, TR GAS, PC G BRN STN  
LS, BRN, BRTL, SL HRD, FXTLN, MED LT BRN O  
SIZE LT BRN OIL ON BRK

SCT BRN  
O STNG  
TR GAS  
NO STN  
NO ODR

25 STAND SHORT TRIP  
(PULLED TIGHT)

DST #2 5004-5021  
30.30.30.30

IF: SURF BLD, DIED

FF: SURF BLD

REC: 1'M

FP: 39-39, 39-39

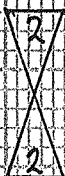
SIP: 43-41

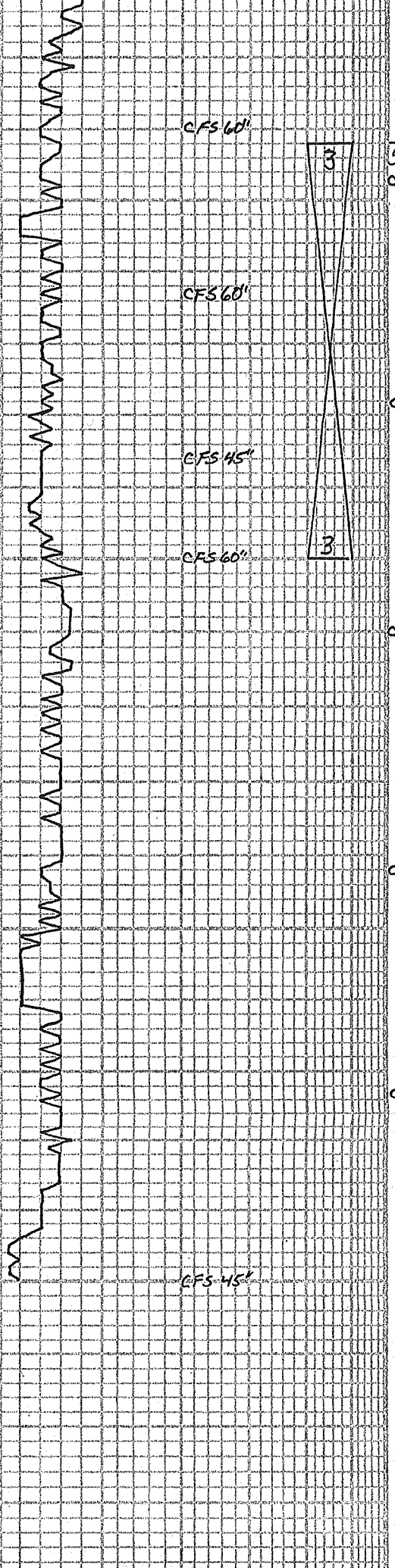
HP: 2518-2114

- NO Kicks -

VIS 47  
WT 9.4  
LCM 1

CFS 60'





MISS 5042 - 2611

5100

5200

SH, GRN, GRY, BLK  
 SLTSTN, GRY  
 CHT, CLOUDY, OPAQ, SHARD  
 SH, VARICOLOR, MUSTARD  
 LS, TAN, FXTLN, HRD, NO VIS P, NS  
 SH, GRY, GRN, PYR  
 LS, WHT, 'ROTTEN', G P, NS  
 CHLKY APPEARANCE, GRY  
 CHT, WHT, SMOKE, GRY  
 Dolo, LT GRY, FXTLN GRNS, MHRD,  
 P, NS  
 Dolo, LT GRN, LMY, FXTLN, SOFT,  
 P, NS  
 LS, WHT, CRM, SL Dolo, SOFT,  
 CHLKY, GXTLN P, NS  
 Dolo, OFF WHT, TAN STRKS, FXTLN,  
 ALMOST SUCR, HRD, P, NS  
 LS, TAN, V. CLEAN, V. FXTLN, V. DNS,  
 HRD, ? FRACS, TITE, NS  
 SH, GRY, GRN  
 SH, GRY, DK GRY  
 LS, BRN, FXTLN, CLR CRS XTLs,  
 F GXTLN P, NS  
 LS, TAN, FXTLN, SL HRD + DNS,  
 P, NS  
 LS, WHT, SL Dolo, SOFT,  
 PPXTLN P, NS  
 CHT, WHT, OPAQ IN Pcs,  
 SCT FOSS, NS  
 Dolo, GRY, F GRNLR TXT,  
 M HRD, FEW SCT LG GRNS 1/2  
 NS  
 Dolo, GRY, GRN, SUCR, M HRD  
 CHT, TAN, WHT, FRESH  
 CHALK  
 CHALK

1. AM 1-21-13  
 COND<sup>2</sup> HOLE FOR DST2  
 CARBIDE TEST: 250 HW  
 MUD CHECK  
 VIS 48 WT 9.3  
 CHLOR 8,000 LCM 3  
 FILT 9.6  
 MUD CHECK  
 VIS 51 WT 9.2  
 CHLOR 9,800 LCM 2  
 FILT 9.2  
 7:AM 1-28-13  
 CFS @ 5063'  
 CARBIDE TEST: NEGATIVE  
 BUTANE TEST @ TRAILER:  
 POSITIVE  
 DST #3 5042-5100  
 30:30.30.30  
 IF: wk surf blo, dried  
 FF: V WK SURGE, NO BUILD  
 FLUSH TOOL, WK SURF BLO  
 REC: 8'M  
 FP: 60-62, 63-66  
 SIP: 1062-804  
 HP: 2588-2408  
 VIS 59  
 WT 9.3  
 LCM 2  
 10 STAMBS SHORT TRIP  
 7:AM 1-29-2013  
 COND<sup>2</sup> HOLE FOR LOGS



