



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1239388  
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: \_\_\_\_\_



1239388

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# GLOBAL CEMENTING, L.L.C.

1352

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell KS

DATE <u>6-6-14</u>	SEC. <u>18</u>	TWP. <u>10</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>5:30pm</u>	JOB FINISH <u>6:00pm</u>
LEASE <u>11/10/13</u>	WELL #. <u>2-18</u>	LOCATION			COUNTY <u>Wichita</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Low Drilling #12

TYPE OF JOB Well

HOLE SIZE 8 5/8 T.D. \_\_\_\_\_

CASING SIZE 2 7/8 DEPTH \_\_\_\_\_

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

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

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

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

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

CEMENT LEFT IN CSG. 2044

PERFS \_\_\_\_\_

DISPLACEMENT 12 3/4 bbl

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER Heath

# 11 HELPER Cody

BULK TRUCK \_\_\_\_\_

# 84 DRIVER Brad

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Run 5'115 of 8 5/8 cas. w/ mud pump

to circulation with mud pump

hook up and mix 150s and 3% gel

to 100' shut in at psi

Cement disp. circulation to surface

CHARGE TO: BL Investments

STREET \_\_\_\_\_

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

Global Cementing, L.L.C.,  
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. Thank You!

PRINTED NAME Calvin Phinney

SIGNATURE Calvin Phinney

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 150s/com 3% gel 2% gel

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_

TOTAL \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_

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

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

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



# GLOBAL CEMENTING, L.L.C.

1356

REMIT TO 18048 170RD  
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>6-12-19</u>	SEC. <u>18</u>	TWP. <u>10</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00am</u>	JOB FINISH <u>7:00pm</u>
LEASE <u>Harbor</u>	WELL #. <u>2-18</u>	LOCATION			COUNTY <u>Osborne</u>	STATE <u>KS</u>	
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR <u>Global Drilling #12</u>	
TYPE OF JOB <u>Bottom Plug</u>	
HOLE SIZE <u>7 7/8</u>	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS	
DISPLACEMENT	

OWNER
CEMENT
AMOUNT ORDERED <u>2500 60140 4% gel 1/4 # F16</u>
COMMON _____ @ _____
POZMIX _____ @ _____
GEL _____ @ _____
CHLORIDE _____ @ _____
ASC _____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____
HANDLING _____ @ _____
MILEAGE _____
TOTAL _____

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>North - Cody</u>
# <u>81</u>	HELPER <u>Brad</u>
BULK TRUCK	
# <u>83</u>	DRIVER <u>Eric</u>
BULK TRUCK	
#	DRIVER

REMARKS:  
1st Plug @ 2200 - 30'  
2nd Plug @ 1300 - 100'  
3rd Plug @ 270 - 50'  
4th Plug @ 200 - 300'

CHARGE TO: RL Investments  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Global Cementing, L.L.C.,  
 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 Calvin Hammonds  
 SIGNATURE Calvin Hammonds

SERVICE
DEPTH OF JOB _____
PUMP TRUCK CHARGE _____
EXTRA FOOTAGE _____ @ _____
MILEAGE _____ @ _____
MANIFOLD _____ @ _____
_____ @ _____
_____ @ _____
TOTAL _____

PLUG & FLOAT EQUIPMENT
_____ @ _____
_____ @ _____
_____ @ _____
<u>356 3rd hole plug</u> @ _____
_____ @ _____
TOTAL _____

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



API. # 15-065-24047-00-00

**GEOLOGICAL REPORT**  
DRILLING TIME AND SAMPLE LOG

COMPANY RL Investment, LLC.  
 LEASE Hanna # 2-18  
 FIELD Guck  
 LOCATION 990'FNL + 1650'FEL  
 SEC 18 TWSP 10s RGE 25w  
 COUNTY Graham STATE Kansas

ELEVATION  
 KB 2561'  
 DF 2559'  
 GL 2553'  
 Depths Measured From  
 Log KB Drilling KB

CONTRACTOR WW Drilling Rig # 12  
 SPUD 6-6-14 COMP 6-12-14  
 SAMPLES SAVED FROM 3550' TO R.T.D.

CASING  
 Surface 8 5/8 @ 220'  
 Production none

ELECTRIC LOGS  
Nabors

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	SAMPLE	E. LOG	DATUM	A	B	C	D
			<u>4-log</u>	●	●		
Anhydrite	2177	2176 + 385		+ 380	+ 382		
Base Anhydrite	2217	2215 + 346		+ 348	+ 345		
Tapeka	3570	3570 - 1009		- 1005	- 1004		
Heebner	3786	3786 - 1225		- 1221	- 1218		
Toronto	3808	3808 - 1247		- 1243	- 1239		
Lansing	3826	3825 - 1264		- 1259	- 1256		
Base Kansas City	4057	4057 - 1496		- 1494	- 1493		
Total Depth	4100	4099 - 1538		- 1543	- 1547		

REFERENCE WELLS

- A RL Investment, LLC. Hanna # 1-18, 653'FNL + 335'FEL Sec. 18-10s-25w
- B RL Investment, LLC. Ballig A # 1, 1304'FNL + 1000'FWL Sec. 17-10s-25w
- C
- D



REMARKS

This well ran 5 to 8 feet lower on the Lansing top than the reference wells. Considering the low structural position and open hole log analysis it was decided this well should be plugged and abandoned.

Richard B. Bell  
6-12-14

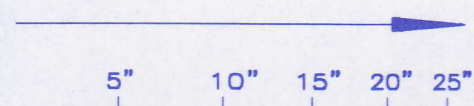
7502

LEGEND

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

LOG 7710

DRILLING TIME IN MINUTES  
PER FOOT  
Rate of Penetration Decreases



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2170				
2200				
20				
3450				

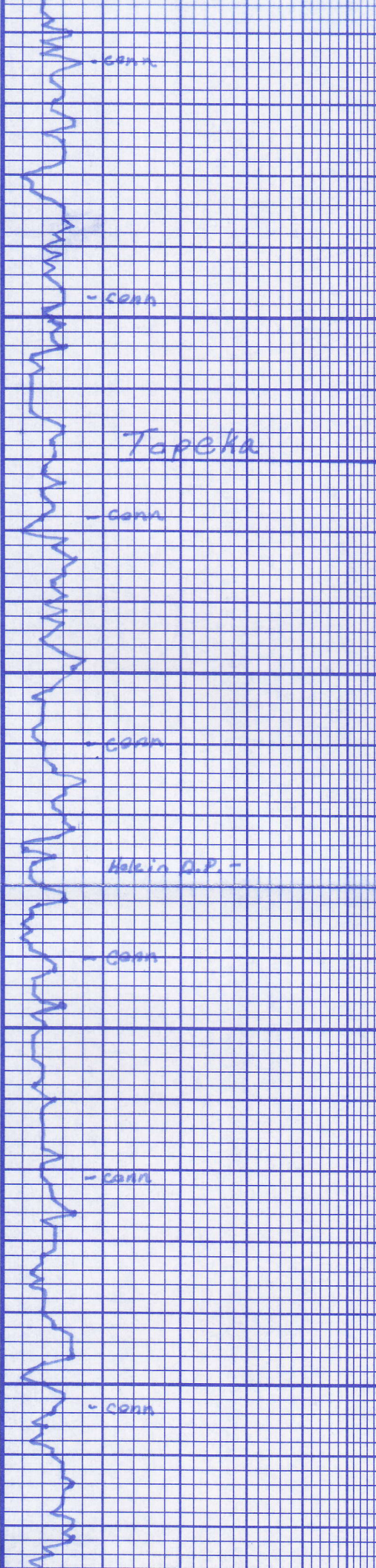
Anhydrite

-conn

Base Anhydrite

-conn





20

40

60

80

3600

20

40

60

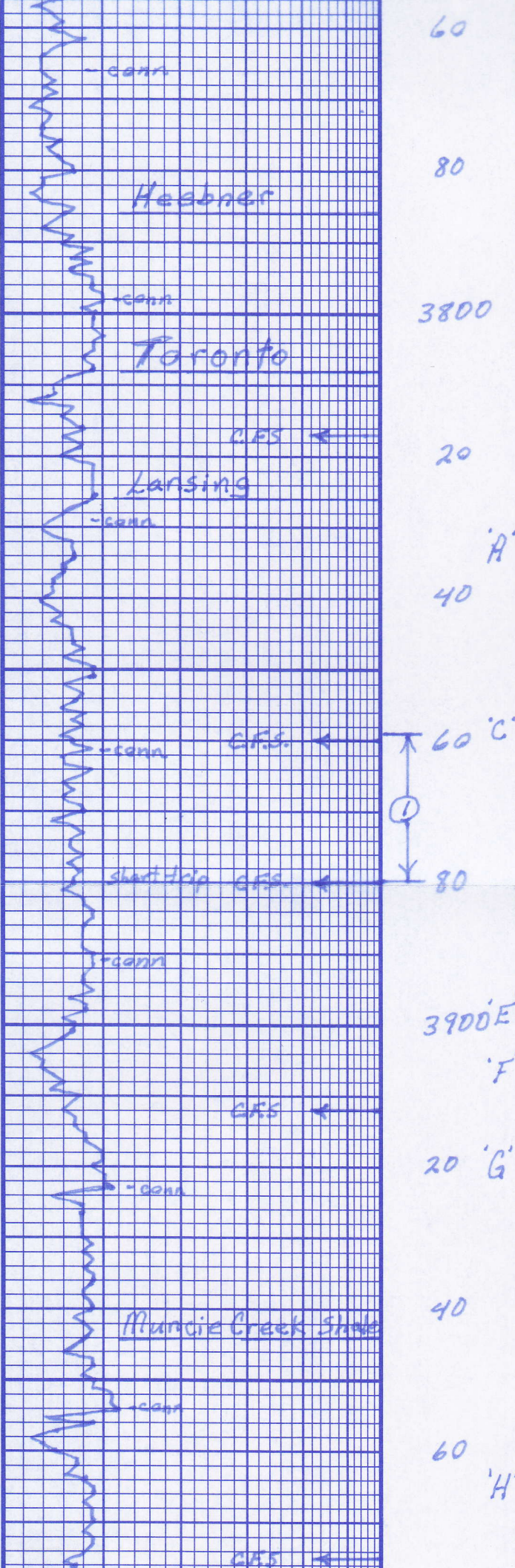
80

3700

20

	LS: tn-gry mtd fslf dms
	sh. gry
	LS: tn-gry-sli. yel fslf dms
	sh: gry + gry stty
	LS: gry fslf dms
	LS: wh-tn sli-cky-fxln-sli. fslf dms N.S.O.
	sh: brn stty
	LS: a.a.
	LS: tn-gry sli-cky-fslf pr. in part $\phi$ N.S.O.
	LS: wh-tn mly fslf friable No v.s. $\phi$ N.S.O.
	LS: tn-gry fslf dms
	sh: brn + gry
	LS: wh-tn fxln sli. ool pp $\phi$ N.S.O. Tr. $\Delta$ + n
	LS: wh-tn cky-fxln sli. ool w/ foss. inclus. pp $\phi$ N.S.O.
	LS: wh-tn cky: fxln ool pp $\phi$ N.S.O. $\Delta$ + y wh-tn
	Dol: tn fxln incln $\phi$ N.S.O.
	LS: tn-gry fxln-fslf dms Tr $\Delta$ wh-tn
	Sh: blk Carb
	<del>LS: tn-gry fxln-sli fslf</del>
	ss. gry v. fn. gn cansol <sup>dms</sup> in gran $\phi$ N.S.O.
	st: stone: gry + brn
	LS: sh fslf pp $\phi$ Tr. v. gy $\phi$ N.S.O.
	LS: wh-tn cky-fxln Tr. ool pp $\phi$ - in part $\phi$ N.S.O.
	LS: wh-tn fxln ool pp $\phi$





60	LS: wh. tn. sli. cky. fslf dns N.S.O.
	LS: wh. tn. cky. fxln No. vis φ N.S.O.
80	LS: wh. tn. - lt. brn cky. fslf dns N.S.O.
	sh: blk carb
	LS: tn. gry fslf dns
3800	sh: gry
	sh: gry stty
	LS: wh. tn. cky. fxln pp φ N.S.O. Δ + y wh. tn or
20	sh: gry
	LS: wh. tn. sli. cky. - fxln oöl in part φ N.S.O.
40	
	LS: tn. sli. yel fslf dns
	LS: wh. tn. sli. cky. fxln Tr sub oöl dns N.S.O. No cat No odor Δ + tn
60	sh: gry
	LS: wh. tn. sli. cky. - fxln oöl pp φ Lt. O stn Tr floating F.O. ft. odor
80	
	LS: aa R.T. stn aa.
	LS: tn fslf dns
3900	LS: wh. tn. fslf dns N.S.O.
	LS: wh. tn. sli. cky. fxln oöl - Tr. oöl pp φ - in part φ Lt. O stn Tr pp floating F.O. fr. odor
20	LS: wh. crm fxln dns N.S.O.
	Same
	aa tr Δ + tn
40	sh: blk carb
	LS: tn fslf dns
	st: stone: gry
60	
	LS: wh. tn. fxln tr pr. pp φ Tr isol. Vugs R.T. pr Lt. sept d O stn R.T. lt. brn F.O. on crushing No odor

Diamond Test  
 DST #1 385  
 30-30-30-  
 IF: gd surge N  
 FF: No blow  
 Recovery: 1' m  
 Tool Sample: 1  
 Hyd: 1889-18  
 FP: 5-8/7-8  
 BHP: 21-15 #  
 BH Temp: 116°  
 Board 38  
 Strap 38  
 Diff.  
 Incline @ 3880



