



KANSAS CORPORATION COMMISSION 1066199
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
---	---

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
-----------------------------------	-----------	---------	-------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <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>	PRODUCTION INTERVAL: _____ _____
---	--	--

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	KU 1-18
Doc ID	1066199

All Electric Logs Run

Dual Induction
Comp. Prosimity
Sonic
Micro

Form	ACO1 - Well Completion
Operator	Rama Operating Co., Inc.
Well Name	KU 1-18
Doc ID	1066199

Tops

Name	Top	Datum
Topeka	2974	-1125
Heebner	3284	-1435
Brown Lime	3438	-1589
Lansing	3467	-1618
Base KC	3710	-1861
Simpson Shale	3991	-2142
Arbuckle	4052	-2203
RTD	4100	-2251

Joshua K. Austin Petroleum Geologist
Report for

RAMA Operating Company Inc

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR **RAMA** Operating Company Inc

LEASE **KU** WELL NO. **L-18**

FIELD **Wildcat**

LOCATION **Ne-Se-Sw-Se**

SEC. **18** TWP. **24** RGE. **11**

COUNTY **Stafford** STATE **KS**

CONTRACTOR **Sterling Drilling Co. (rig #1)**

DATE **10-17-2011** TO **10-23-2011**

STARTING TIME FROM **2900** TO **4100**

SAMPLES EXAMINED FROM **2900** TO **4100**

GEOLOGICAL SUPERVISION FROM **2900** TO **4100**

WELL ID **3000 ±** TYPE **WOB** **Chemical**

FORMATION	TOP LOG	LOG	DEPTH	TEMP	SAMPLE	STRUCT. CORRS
Tapeks	2974	-1125				
Heebner	3284	-1435				
Brown lime	3438	-1589				
Lensing	3467	-1618				
Base Kalkerscity	3710	-1861				
Viola	3882	-2033				
Singer shale	3751	-2142				
Adwickle	4052	-2203				
RTD	4100	-2251				
LTD	4059	-2250				

ELEVATION **1849**

KB **1849**

DF **1838**

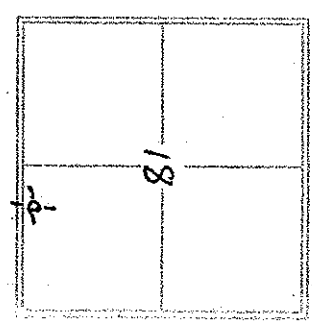
Measurements are all from **KB**

CASING RECORD **8 5/8" @ 281**

PRODUCTION **None**

ELECTRICAL SURVEYS **By log - Tech**

SONIC DLR micros

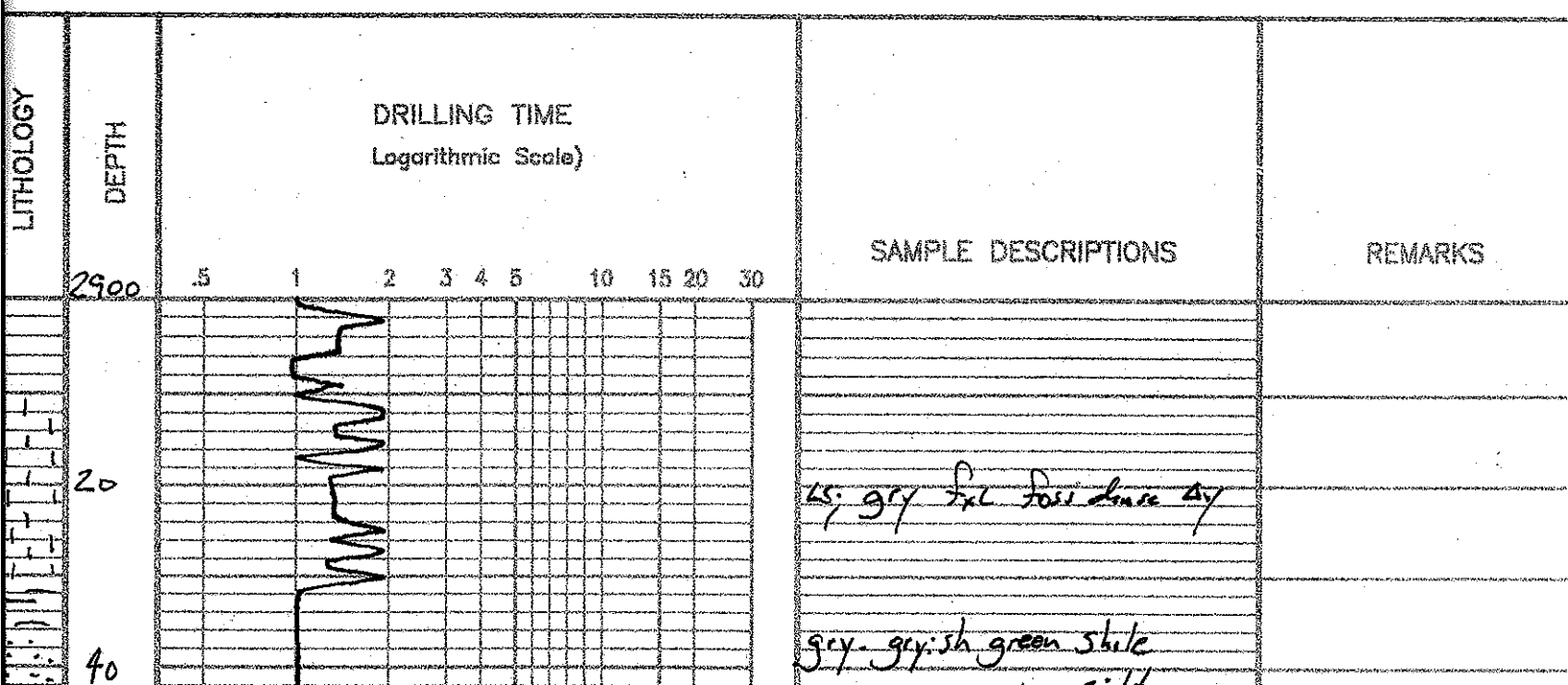


Recommendations: Due to the low structural position, lack of shows in the samples and after further review of the electric log, All Parties involved in the KU #1-18 recommend that it be plugged and Abandoned at RTD 4100

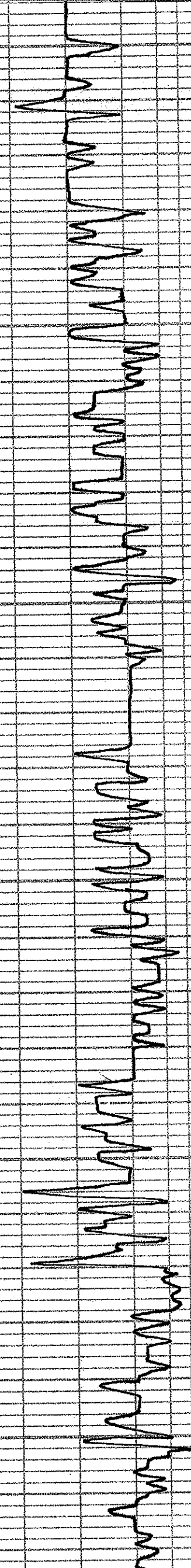
Respectfully Submitted *[Signature]*

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestones	Col. Lime	Chert	Dolomite



60
80
3000
20
40
60
80
3100
20
40
60
80
3200
20



Topeka
2978
(-1129)

mic in part gray
trace sub vfg mic sub & N/s

Sand; lt. gray vfg sub angular
sub rounded friable Cal in part
N/s

ls; gray - cream foss chky
in part sl. green N/s

gray shale

ls; cream - lt. gray foss chky
few mott poor vis.
+ wh chlk

ls; lt. gray - cream foss/poor chky
sparry Cal in part N/s

ls; cream - tan - buff fxl
sl: foss dense poor vis.
+ gray boney Δ

ls; cream - buff fxl foss
chky + gray apague Δ

ls; gray - cream fxl chky
dense no vis. N/s
+ wh chlk

ls; cream - gray fxl chky
dense few foss
+ gray apague Δ

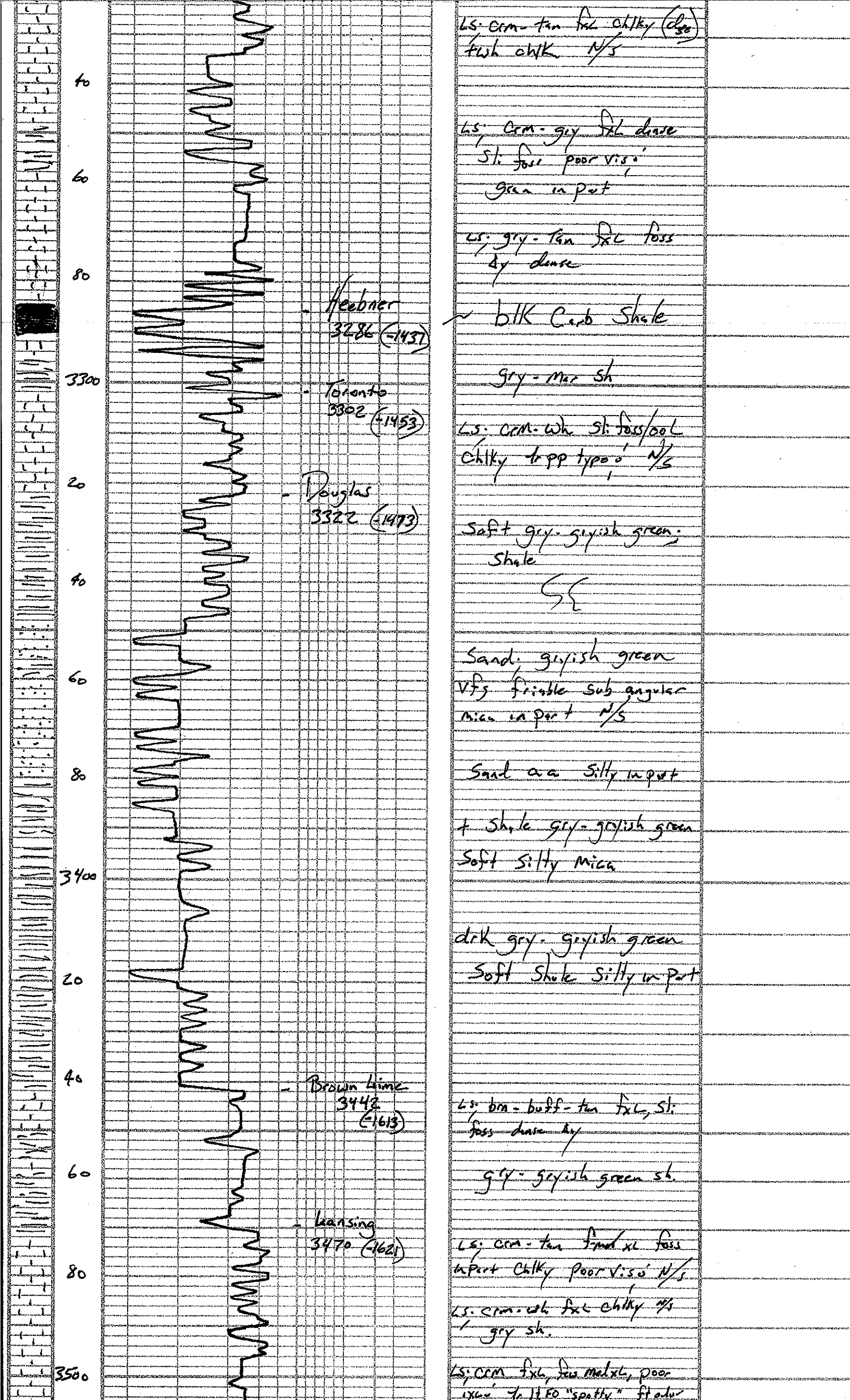
drk gray - green sh

trace blk carb shale

ls; cream f-fossil xl chky
sl: foss ??? trace brn con
N190

ls; tan - beige foss
green in part, poorly
dev. N/s

KB 1849



LS: cream-tan fine chky (dgs)
 fresh chky N/S

LS: cream-gry fine dense
 sh. fine poor vis.
 green in part

LS: gry-tan fine foss
 by dense

~ blk Carb Shale

gry-mar sh

LS: cream-wh sh. foss/ool
 chky to pp type 0 N/S

Soft gry-gryish green
 shale

SE

Sand: gryish green
 vfg friable sub angular
 mica in part N/S

Sand or a silty in part

+ shale gry-gryish green
 soft silty mica

dark gry-gryish green
 soft shale silty in part

Heobner
 3286 (-1437)

Toronto
 3302 (-1453)

Douglas
 3322 (-1473)

Brown Lime
 3442 (-1613)

Lansing
 3470 (-1621)

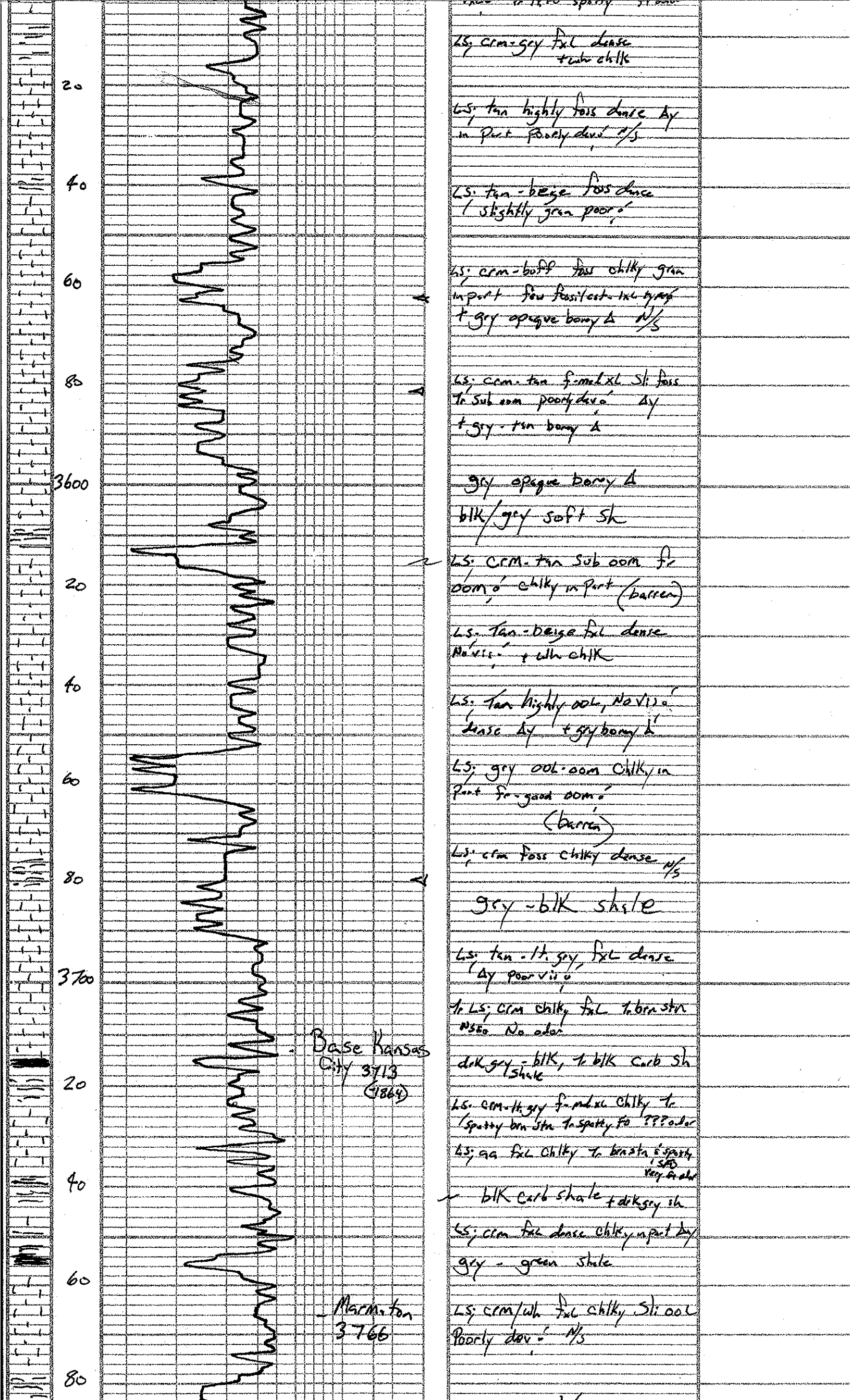
LS: cream-buff-tan fine sh.
 foss dense by

gry-gryish green sh.

LS: cream-tan fine xl foss
 in part chky poor vis. N/S

LS: cream-wh fine chky N/S
 / gry sh.

LS: cream fine, few mal xl, poor
 vis. to blk "spotty" ft adu



LS; cream-grey fxl dense
+ wh chlk

LS; tan highly foss dense by
in part poorly dev. 1/5

LS; tan-beige foss dense
/ slightly green poorly

LS; cream-buff foss chky gran
in part few fossiliferous
+ grey opaque bony 1/5

LS; cream-tan f. med. xl. sh. foss
to sub con. poorly dev. 1/5
+ grey-tan bony 1/5

grey opaque bony 1/5
blk/grey soft sh

LS; cream-tan sub con. fr
oom, chky in part (barren)

LS; tan-beige fxl dense
No. vii. + wh chlk

LS; tan highly ool, No. vii.
dense by + grey bony 1/5

LS; grey ool. con. chky in
part fr. good oom
(barren)

LS; cream foss chky dense 1/5
grey-blk shale

LS; tan-lt. grey fxl dense
by poor vii.

to LS; cream chky fxl to brn str
No. vii. No. adar

dark grey-blk, to blk carb sh
shale

LS; cream-lt. grey f. med. xl. chky to
spotty brn str to spotty fo ??? adar

LS; grey fxl chky to brn str
No. vii. No. adar

blk carb shale + dk grey sh

LS; cream fxl dense chky in part by
grey-green shale

LS; cream/wh fxl chky sh. ool
poorly dev. 1/5

20
40
60
80
3600
20
40
60
80
3700
20
40
60
80

Base Kansas
City 3713
(1864)

Marionton
3766

3800

Conglomerate
3798

gry - mar shale
+ ls. crm - wh fxl ch lky
foss - ool poor vis. n/s

Shale, blk - mar - green

Chart: grey - yellow boring

Shale mar - gry - green

v.c. shale waxy in part

}
}

shale; v.c.

ls. crm - tan friable slight
sparry cal in part few foss

Viola 3885
(-2036)

chart; wh - trans, boring

Dolomite: H. gry f. med xl
St. Soc, poor int. n/s

Very faint color

dot: aa crm - gry
+ wh boring n/s

ls; crm - H. gry - wh fxl
ch lky in part dense No vis
+ wh - crm boring Δ No Shells

ls; crm fxl dense No vis
+ wh boring Δ

ls; buff - brnish gry dense
poor vis. n/s
+ tan - brn - wh boring Δ

Shale; gry - greyish green

shale; gry - green
waxy slightly mica in part

Sand; gry - med grained
sub rounded sub angular friable
fr 1/4" slightly mica + foss
n/s
gry - green shale

Arbuckle
4052 (-2203)

Dolomite; tan - crm fxl St.

20

40

60

80

3900

20

40

60

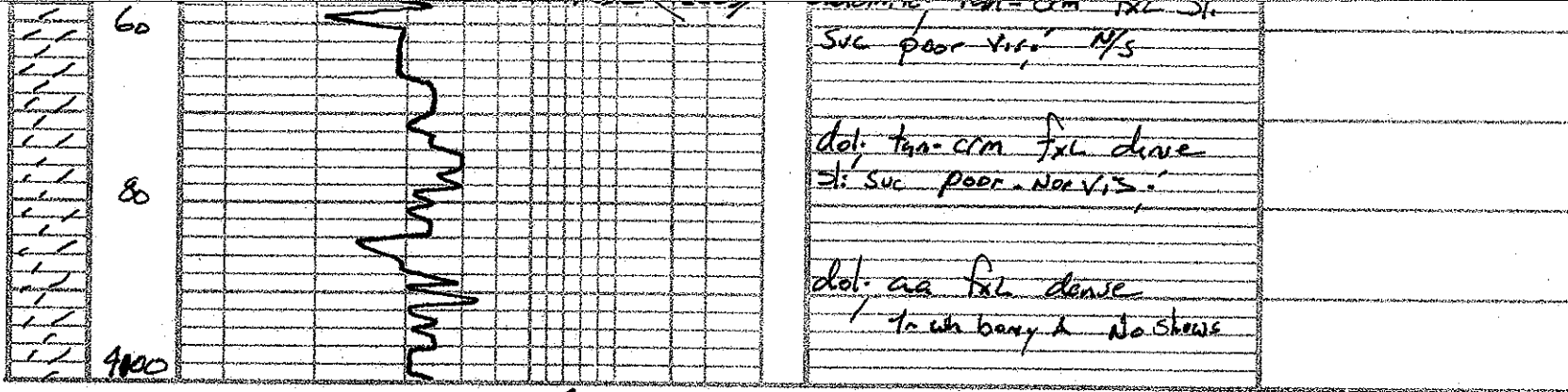
80

4000

20

40

1



Rotary Total
Depth 4100

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5312

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-13-11	18	24	11	STAFFORD	KI		
Lease	KU		Well No.	1-18		Location	STAFFORD KU 1 1/2 E N 16
Contractor	STERLING POLY #1			Owner			
Type Job	SURFACE			To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size	12 1/4	T.D.	231		Charge To		
Csg.	3 5/8	Depth	230		RAMA OPERATING CO. INC		
Tbg. Size		Depth			Street		
Tool		Depth			City State		
Cement Left in Csg.		Shoe Joint	15		The above was done to satisfaction and supervision of owner agent or contractor.		
Meas Line		Displace	16.9 Bbl		Cement Amount Ordered 225 sq Comma		
EQUIPMENT				2% FEL 3% CC 1/4" CF.			
Pumptrk	9	No.	Brent		Common 225		
Bulktrk	7	No.	TODD		Poz. Mix		
Bulktrk		No.			Gel. 4		
Pickup		No.	Brent		Calcium 3		
JOB SERVICES & REMARKS				Hulls			
Rat Hole				Salt			
Mouse Hole				Flowseal 56			
Centralizers				Kol-Seal			
Baskets				Mud CLR 48			
D/V or Port Collar				CFL-117 or CD110 CAF 38			
Run 9 #s 3 5/8 230				Sand			
				Handling 237			
MIX & Pump 225 sq Comma				Mileage 25			
2% FEL 3% CC 1/4" CF.				8 5/8" FLOAT EQUIPMENT			
15" GAL 1.36 #3				Guide Shoe			
				Centralizer			
SHUT DOWN RELEASE WOODEN PLUG				Baskets			
				AFU Inserts			
DISO 16.9 Bbls total				Float Shoe			
Close Valve on CSG 5:15				Latch Down			
3000 CYC. HWS 203				1 WOODEN PLUG			
CYC CNT TO PIT							
				Pumptrk Charge Surface			
				Mileage 25			
Thank TODD Brent & Brady Signature Mike Kud				Tax			
				Discount			
				Total Charge			

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

December 01, 2011

Robin L. Austin
Rama Operating Co., Inc.
101 S MAIN ST
STAFFORD, KS 67578-1429

Re: ACO1
API 15-185-23704-00-00
KU 1-18
SE/4 Sec.18-24S-11W
Stafford 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,
Robin L. Austin