



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1177007
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: _____

1177007

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

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: _____ _____
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Form	ACO1 - Well Completion
Operator	Vonfeldt, Alan J
Well Name	Boxberger 18
Doc ID	1177007

Tops

Name	Top	Datum
Anhydrite	806	+1018
Base Anhydrite	847	+977
Grand Haven	2351	-527
Tarkio Lime	2422	-598
Topeka	2685	-861
Heebner Sh	2915	-1091
Toronto	2934	-1110
LKC	2976	-1152
BKC	3228	-1404
RTD	3245	-1421

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7037

Date	12-27-13	Sec.	3	Twp.	14	Range	14	County	Russell	State	KS	On Location		Finish	8:15 AM
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Location: Russell 5 on Van Hater 1 mile E.ing

Lease	Boxburger	Well No.	#16	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.
Contractor	Royal #1			Charge To	Alan Vanfeldt
Type Job	Surface			Street	
Hole Size	12 1/4	T.D.	808'	City	State
Csg.	8 5/8	Depth	805'	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered 350 3% cc 2% (201)	
Tool		Depth		Cement Left in Csg. 44.25 Shoe Joint 44.25	
Meas Line		Displace	48 1/4 bbl		

EQUIPMENT

Pumptrk	18	No.	Cementer		Common
			Helper	Cody	Poz. Mix
Bulktrk	9	No.	Driver	David	Gel.
Bulktrk	PU	No.	Driver	Brett	Calcium

JOB SERVICES & REMARKS

Remarks:	Salt
Rat Hole	Flowseal
Mouse Hole	Kol-Seal
Centralizers	Mud CLR 48
Baskets	CFL-117 or CD110 CAF 38
DV or Port Collar	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

Cement	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Circulated!!!

	Pumptrk Charge	Tax
	Mileage	Discount
		Total Charge

X Signature *Doug Bueh*

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7038

Date	12-31-13	Sec.	3	Twp.	14	Range	14	County	Russell	State	KS	On Location		Finish	10.30 AM
								Location: Russell							

Lease	Boxberger	Well No.	A 18	Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor	Royal #1					
Type Job	Production String			Charge To	Vonfeldt Oil	
Hole Size	7 7/8	T.D.	3245			
Csg.	4 1/2	Depth	3157			
Tbg. Size		Depth				
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
Cement Left in Csg.	40.87	Shoe Joint	40.87	Cement Amount Ordered 235 com 10% Salt		
Meas Line		Displace	49 1/2 bbl	5% Wilsonite 1/4 Flow		

EQUIPMENT				Common
Pumptrk	19	No.	Cementer	Poz. Mix
			Helper	
Bulktrk	14	No.	Driver	Gel.
			Driver	
Bulktrk	PU	No.	Driver	Calcium
			Driver	

JOB SERVICES & REMARKS		Hulls
Remarks:		Salt
Rat Hole	30sx	Flowseal
Mouse Hole	15sx	Kol-Seal
Centralizers	1, 4, 5, 9, 12, 16	Mud CLR 48 - 500 Gal
Baskets	2, 12, 21	CFL-117 or CD110 CAF 38
D/V or Port Collar		Sand
		Handling
		Mileage

JOB SERVICES & REMARKS		4 1/2 FLOAT EQUIPMENT
Hooked on 4 1/2 mixed 500 gal Mud Flush		Guide Shoe
Plugged Rat + Mouse hole		Centralizer - 6
Mixed 190 sx down 4 1/2		Baskets - 3
Displaced 49 1/2 bbl		AFU Inserts
		Float Shoe - 1
		Latch Down - 1
		Rubber Plug - 1

	Pumptrk Charge	
	Mileage	
		Tax
		Discount
		Total Charge

X Signature Doug Budig

OPERATOR

Company: ALAN J. VONFELDT
 Address: PO BOX 611
 RUSSELL, KANSAS 67665

Contact Geologist: ALAN VONFELDT
 Contact Phone Nbr: 785-483-0252
 Well Name: BOXBERGER # 18
 Location: NW SE SW Sec.3-14s-14w
 Pool: IN FIELD
 State: KANSAS

API: 15-167-23,932-00-00
 Field: HALL-GURNEY
 Country: USA

Scale 1:240 Imperial

Well Name: BOXBERGER # 18
 Surface Location: NW SE SW Sec.3-14s-14w
 Bottom Location:
 API: 15-167-23,932-00-00
 License Number: 7281
 Spud Date: 12/26/2013 Time: 9:15 AM
 Region: RUSSELL COUNTY
 Drilling Completed: 12/30/2013 Time: 3:34 PM
 Surface Coordinates: 990' FSL & 1650' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 1819.00ft
 K.B. Elevation: 1824.00ft
 Logged Interval: 2250.00ft To: 3245.00ft
 Total Depth: 3245.00ft
 Formation: LANSING-KANSAS CITY
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.8669984 Latitude: 38.8590759
 N/S Co-ord: 990' FSL
 E/W Co-ord: 1650' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 W 35TH
 HAYS, KS 67601

Phone Nbr: (785) 639-1337
 Logged By: GEOLOGIST Name: HERB DEINES

CONTRACTOR

Contractor: ROYAL DRILLING, INC.
 Rig #: 1
 Rig Type: MUD ROTARY
 Spud Date: 12/26/2013 Time: 9:15 AM
 TD Date: 12/30/2013 Time: 3:34 PM
 Rig Release: 12/31/2013 Time: 10:00 PM

ELEVATIONS

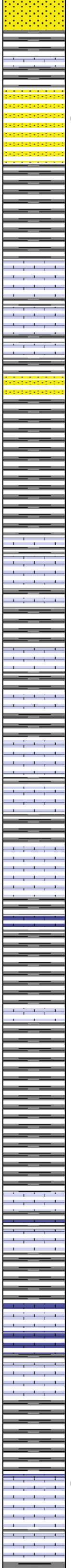
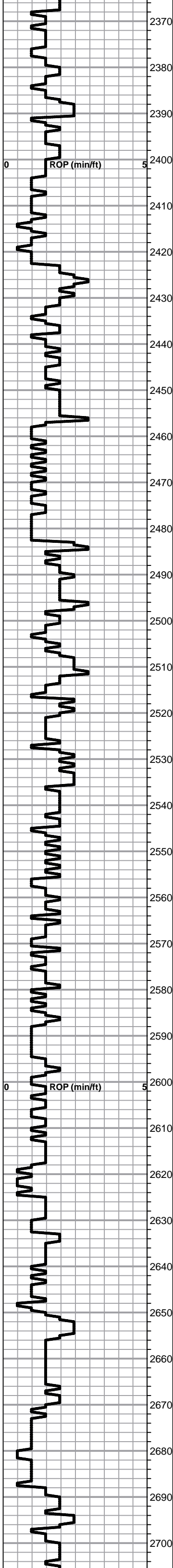
K.B. Elevation: 1824.00ft Ground Elevation: 1819.00ft
 K.B. to Ground: 5.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE AND LOG ANALYSIS
 OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: RADIATION GUARD LOG, MICRORESISTIVITY LOG
 NO DRILL STEM TESTS WERE RAN ON THIS WELL

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

	BOXBERGER #18	# H-5	# H-14
	NW SE SW	S2 SW/4	C SW/4
	SEC.3-14S-14W	SEC.3-14-14W	SEC.3-14-14W
	1819'GL 1824'KB	KB 1819'	KB 1828'
<u>FORMATION</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Anhydrite	806+1018	+1015	+1005
B-Anhydrite	847+ 977	+ 977	
Grand Haven	2351- 527		
Tarkio Lime	2422- 598	- 597	
Topeka	2685- 861	- 860	- 866
Heebner Sh.	2915-1091	-1085	-1092
Toronto	2934-1110	-1105	-1111
LKC	2976-1152	-1147	-1153
BKC	3228-1404	-1397	-1406
Gorham Sand	NONE	-1408	-1421



Sandstone, lt gray, very fine grained-gritty, micaceous, NS

DOVER LIME 2378-554

2ND TARKIO SAND

Sandstone, fn-vf grained, micaceous, slightly glauconitic, well cemented top and bottom of section, few chips with lt even saturated stain, good streaming wet cut, NSFO

ZONE GENERALLY RESPONDS TO LIGHT FRAC TREATMENT. AVOID ANY USE OF FRESH WATER IN ZONE DUE TO NATURE OF SWELLING CLAYS IN SAND

Shale, lt-med gray, soft blocky-slivers, waxy in part

TARKIO LIME 2422-598

Lime, crm-lt gray, fnxln-granular, slight bedded chalk

Lime, crm-tan, fnxln chalk, slightly fossiliferous

3RD TARKIO SAND

Sandstone, VF grained-fine gritty, poorly sorted, micaceous, laminated, NS

Shale, med gray with shades of green, soft-firm blocky, waxy in part

ELMONT 2482-658

Lime, tan-lt brn, fnxln

Lime, crm-tan, fnxln-granular, slight bedded chalk, slightly fossiliferous

Lime, tan-lt brn-lt grayish brn, fnxln, slightly fossiliferous

Lime, lt-med brn, fnxln, slightly fossiliferous

Lime, crm-lt-med brn, fnxln, slightly fossiliferous in part

Lime, lt-med brn-lt grayish brn, fnxln, soft on crush, fusulinids in part

Lime, lt-med brn-lt grayish brn, fnxln, soft on crush

Lime, crm-tan, fnxln-granular

Shale, lt-med gray, slivers-firm blocky, waxy

Lime, med brn, fnxln

Shale, dove gray-lt-med gray with depth, slivers and soft-firm blocky

Lime, tan-med brn, fnxln, some dark brn, vfxln lime in part, slight bedded chalk

Shale, lt gray, soft forming soft sticky clumps

Lime, med brn-med grayish brn, bedded chalk with sticky clumps in part, slightly fossiliferous

FINISH DISPLACEMENT FOR MUD UP @2651'

Lime, med brn-med grayish brn, fnxln-granular, chalky matrix in part, slightly fossiliferous

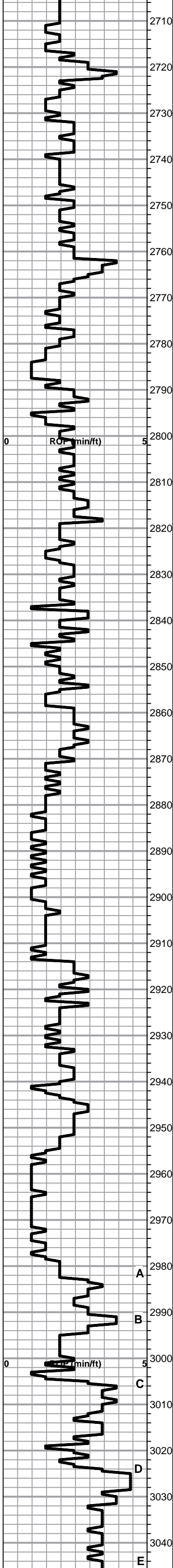
Shale, lt-med gray, soft blocky with sticky clumps in part

TOPEKA 2685-861

Lime, fn-micro xln, few chips fine grained with fine inter xln and scattered fine vuggy porosity, scattered to saturated light staining, NFO.

LOG INTERVAL 2686-95 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

Lime, tan-lt brn, fnxln, slight bedded chalk



2710 Lime, lt brn-lt gray, fnxln, soft on crush

2720 Lime, lt-med brn-med grayish brn near shale boundary, fn-vfxln, fusulinids, dark gray, fresh, sharp chert

2730 Lime, lt brn, granular, slight chalky matrix

2740 Lime, lt brn-med grayish brn, fn-vfxln, fusulinids in part

2750 Lime, lt-med brn, mostly fnxln with vfxln in part, scattered fusulinids

2760 Lime, lt-med brn, fn-vfxln, slightly fossiliferous in part

2770 Lime, tan-lt brn, fnxln-granular, slightly fossiliferous

2780 Shale, gray-black carbonaceous, blocky

2790 Shale, dove gray, soft forming sticky clumps

● 2790 Lime, crm-lt brn,fn-vfxln, thin zone with inter xln and vuggy porosity, spotty-saturated staining, lt odor, VMSFO, lt gassy bubbles, some oolitic/oomoldic material in part

2800 Lime, lt-med brn, fnxln, slightly fossiliferous, slight bedded chalk

2810 Lime, lt-med brn, fnxln, trashy in part

2820 Lime, lt-med brn, fnxln, slight bedded chalk

2830 Lime, lt-med brn, fnxln

2840 Shale, dark gray-black carbonaceous, blocky

2850 Lime, tan-lt brn-med grayish brn, fnxln-granular, thin beds of fusulinids in part

2860 Lime, lt-med brn, fn-vfxln

2870 ● Lime, lt-med brn, fnxln-granular grading into oolitic/oomoldic/ fossil fragment zone with interparticle porosity with scattered vugs, scattered to saturated staining, VLT Odor

2890 Lime, tan-lt brn, fnxln-granular, bedded chalk

2900 Lime, tan-lt brn, fnxln, soft on crush, bedded chalk in chalky matrix

2910 Lime, lt-med brn, fn-vfxln, slightly fossiliferous

HEEBNER SHALE 2915-1091

2920 Shale, black carbonaceous, fissile, blocky
Lime, med brn, micro xln

2930 Shale, lime green, soft forming sticky clumps

TORONTO 2934-1110

2940 ● Lime, crm-reddish tan, fnxln-granular, No Odor, V LT Wet Cut in fine grained lime with no visible porosity

2950 Lime, crm-tan, fn-vfxln, bedded chalk

2960 Shale, reddish brn grading into lt gray, soft sticky clumps

LKC 2976-1152

● 2980 Lime, tan, fnxln with fossiliferous beds with inter particle and scattered vuggy porosity, sparry calcite backfill in part, spotty to saturated staining, lt odor with visible gas bubbles,

2990 Lime, med grn-grayish brn, fnxln, slightly fossiliferous, NS

3000 ● Lime, tan, fine oolitic/oomoldic/fossil fragments, fair odor, scattered to saturated staining, NFO

3010 Lime, tan, fnxln, bedded chalk

● 3020 Lime, crm, oolitic/oomoldic/fossil fragments with dark semi dead oil staining, lt sulfur odor with lt gray, slightly dolomitic lime with vuggy porosity. Zone appears washed out

3030 Lime, crm-off white, fn-vfxln, slight bedded chalk

3040 Shale, dark gray-black carbonaceous
Lime, lt gray, fn-vfxln

LOG INTERVAL FROM 2784-88 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL.

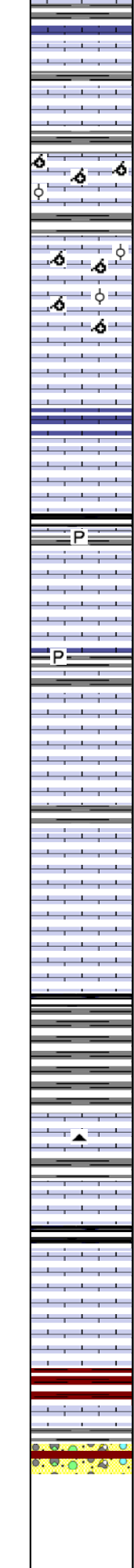
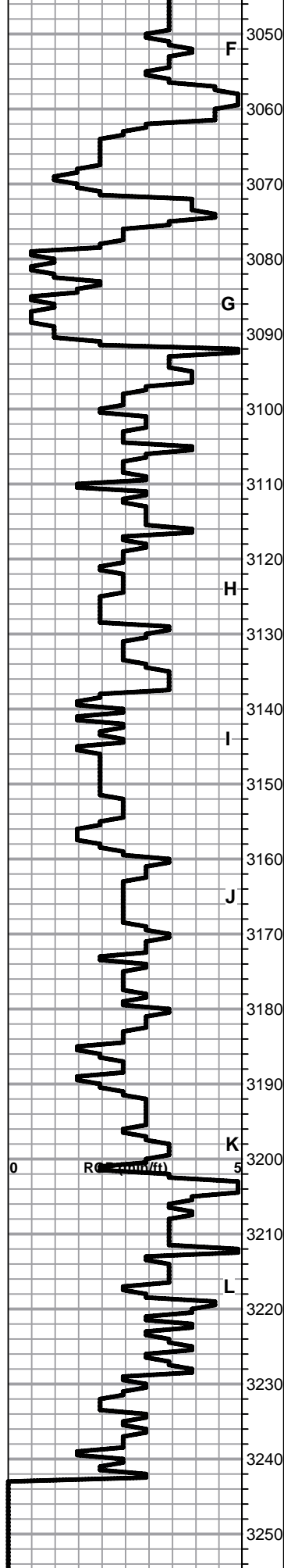
LOG INTERVAL 2868-71 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL

LOG INTERVAL 2938-42 SHOULD BE PERFORATED AND TESTED PRIOR TO ABANDONMENT OF WELL. DIDN'T LOOK GOOD IN SAMPLES BUT APPEARS TO HAVE GOOD PERMEABILITY

LOG INTERVAL 2977-80 SHOULD BE PERFORATED AND TESTED. MICROLOG INDICATES ZONE MAY HAVE SOME PERMEABILITY ISSUES AND MAY NOT BE AS WELL DEVELOPED AS HIGHER WELLS IN FIELD

LOG INTERVAL 3000-04 SHOULD BE PERFORATED AND TESTED. THIS ZONE LOOKED THE BEST IN THE SAMPLES AND IS A PRIMARY ZONE IN THE FIELD

LOG INTERVAL 3017-19 THIN AND MAY HAVE PERMEABILITY ISSUES. SAMPLES DIDN'T LOOK GOOD IN INTERVAL BUT MAY WANT TO PERFORATE AND TEST PRIOR TO ABANDONMENT OF WELL



Lime, tan, mostly fnxln, trashy near shale boundaries , NS

Lime, tan-lt brn, fn-vfxln, slight bedded chalk

Lime, white-crm, oomoldic, barren, chalky in part,NS

Lime, crm, fnxln grading into oomoldic interval, barren, bedded chalk, NS

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn grading into dark brn, fnxln

Lime, crm-lt brn, fnxln

Lime, lt brn, fnxln, pyritic grading into grayish brn lime near shale boundary

Lime, white-crm, fnxln, slight bedded chalk, NS

Lime, crm-lt brn, fnxln, slight bedded chalk

Lime, crm-tan, fn-micro xln in part, slight bedded chalk, NS

Lime, crm-tan, fnxln, slight bedded chalk

Lime, crm-tan-lt brn, fnxln

Lime, crm-tan, fnxln, slight bedded chalk

Shale, dark gray-black carbonaceous, blocky grading into dove gray-lime green shale forming soft mud clumps in part

Lime, crm-lt brn, fn-vfxln
Chert, lt orange, oolitic

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln

Lime, crm-lt brn, fn-vfxln

BKC 3228-1404

Lime, crm-tan, fnxln, pyrite inclusions, slightly dolomitic

Shale, red with chert mix and reworked material

RTD 3245-1421 LTD 3242-1418

NO SAND OR ARBUCKLE
DOLOMITE NOTED IN
SAMPLES