



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: _____



1105431

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
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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
_____ 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
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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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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. 5235

Date	9-12-12	Sec.	11	Twp.	10	Range	21	County	Graham	State	KS	On Location		Finish	3.45 pm
Lease	De young	Well No.	2		Location Palo S to RD y W to 390 1/2 S Wm to										
Contractor	WH 6	Owner													
Type Job	Surface	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.													
Hole Size	12 1/4	T.D.	218		Charge To Mustang Energy										
Csg.	8 5/8	Depth	217.85		Street										
Tbg. Size		Depth			City										
Tool		Depth			State										
Cement Left in Csg.	17ft	Shoe Joint	17ft		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line		Displace	12.3/4		Cement Amount Ordered 150 396cc 290gel										

EQUIPMENT

Pumptrk	16	No.	Cementer	Math	Common	130
			Helper			
Bulktrk	10	No.	Driver	frans	Poz. Mix	
			Driver			
Bulktrk	pu	No.	Driver	duog	Gel.	3
			Driver		Calcium	3

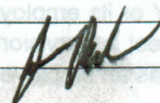
JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
Cement did circulate	Handling 138
	Mileage

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge	Surface
Mileage	45
	Tax
	Discount
	Total Charge

X Signature 

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. 5362

9:45 AM

Date	9-17-12	Sec.	11	Twp.	10	Range	21	County	Graham	State	Ks	On Location		Finish	2012
Lease	DeYoung			Well No.	2			Location	Palco Ks - S to Y Rd, 3 W to 380 H Rd, 1/4 S W/Into						
Contractor	w-w #6			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.										
Type Job	Production			Hole Size	7 7/8"			T.D.	3990'						
Csg.	5 1/2"			Depth	3989'			Charge To	Mustang Energy						
Tbg. Size				Depth				Street							
Tool				Depth				City	State						
Cement Left in Csg.	42.17'			Shoe Joint	42.17'			The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace	BLS			Cement Amount Ordered	500 gal Mud Clear 48, 450 QMDC						

EQUIPMENT

Pumptrk	9	No.	Cementer	Brett	Rick	Common	450 QMDC 150	
Bulktrk	13	No.	Driver	Lonnie		Poz. Mix		
Bulktrk	14	No.	Driver	Levy		Gel.	-	
JOB SERVICES & REMARKS						Calcium		

Remarks:	pipe on bottom, break Circulation		Hulls	
Rat Hole	pump 500 gal Mud Clear 48		Salt	13
Mouse Hole	plug Rat hole w/ 30 sx 420		Flowseal	112#
Centralizers	Hook to Casing + mix 400 sx		Kol-Seal	750#
Baskets	QMDC 1/4# Flo-seal per sack		Mud CLR 48	500 gal
D/V or Port Collar	150 sx Common 10% Salt + 5% Gilsomite, shut down, wash pump + lines, Released plug + Displaced with 1 BLS of water		CFL-117 or CD110 CAF 38	
			Sand	
			Handling	610
			Mileage	

FLOAT EQUIPMENT

Released + held	Guide Shoe	
Lift pressure 1300 #	Centralizer	12
Land plug to 2000 #	Baskets	3
	AFU Inserts	
	Float Shoe	1 Cement did Circulate
	Latch Down	

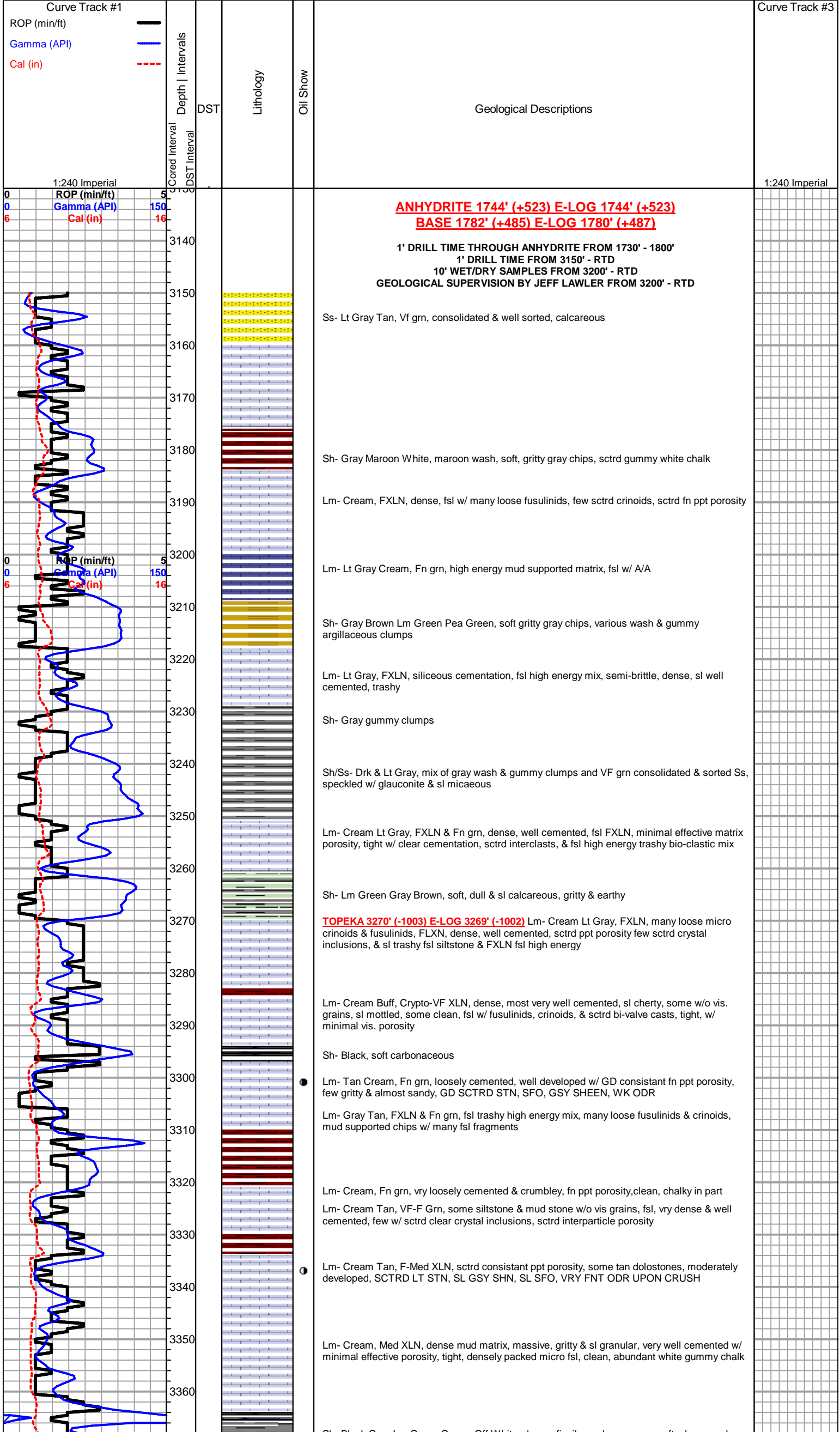
Pumptrk Charge	prod Long Rod Bar	Tax	
Mileage	45	Discount	
Signature	Bob Bin	Total Charge	

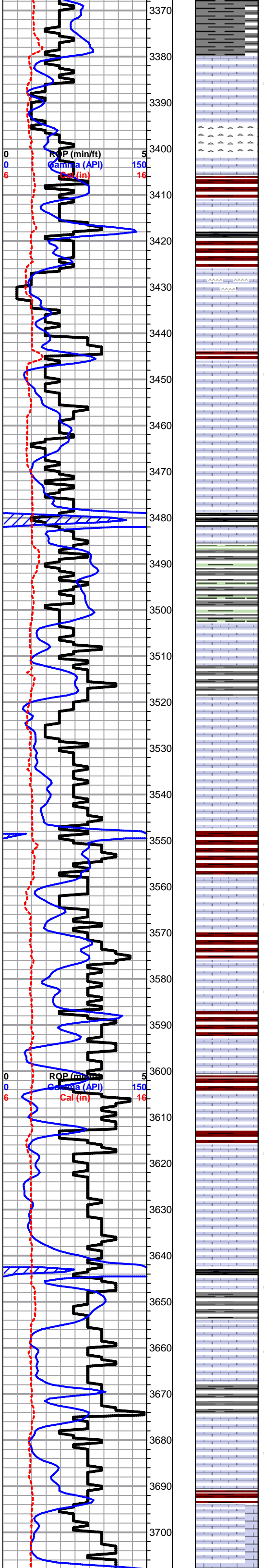
ROCK TYPES					
Cht	Dolsec	shale, grn	shale, red	Lscongl	
Congl	Lmst fw<7	shale, gry	Shcol		
Dolprim	Lmst fw>7	Carbon Sh	Ss		

ACCESSORIES		
MINERAL • Sandy	STRINGER ~ Chert	TEXTURE C Chalky

OTHER SYMBOLS
DST ■ DST Int ■ DST alt

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Sh- Black Gray Lm Green Cream Off White, dense, fissile, carbonaceous, soft, sl gummy lm green chips & sandy lime, much heavily mottled cream & off white silty chalk, few chips of argillaceous siltstone/mudstone

Lm- Buff Tan, Med grn, massive, very well cemented, gritty sl dolomitic Ls, consistant fn ppt porosity, few chips w/ WK SPOTTY STN, NSFO, VRY FNT GSY SHEEN, NO ODR

Lm- Tan Lt Gray, VF-FXLN, very well cemented, fsl w/ loose fusulinids & crinoids, tight w/ sctrd XLN porosity, mottled

Chert- Golden Brown fsl fresh bedded chert

Lm- Cream Tan, Med XLN, chalky matrix high energy, sctrd fsl fragments, crumbley & loosely cemented

Chert/Lm- Golden Brown Cream Smokey Gray Semi-translucent, most fsl fresh bedded chert, few chips of gritty sl dolomitic chert, cream FXLN dense, well cemented, fsl cherty Ls, clean & barren

Lm- Cream Off White, FXLN, dense, well cemented, tight w/ sctrd microXLN porosity, DRK EDGE STN, HVY & SL TARRY, NO ODR

Lm- Cream Lt Gray Tan, F-Med XLN, fsl, dense, well cemented, sctrd ppt & XLN porosity, clean & barren, few chips of sl cherty Ls

Lm- Cream Buff, Fn grn & VF-FXLN, tight, sctrd mottling, sl fsl, no - minimal vis. porosity

HEEBNER 3479' (-1212) E-LOG 3478' (-1211) Sh- Black Gray Brown, fissile, dense, soft, carbonaceous, gritty & earthy, dull Lm Green slivers

Sh- Lm Green Gray, gritty, sl sandy, dense, well compacted, semi-lithofied

TORONTO 3511' (-1244) E-LOG 3503' (-1236) Lm- FXLN, sl fsl, mix of tight cherty Ls, girty sl dolomitic fsl chert, & FXLN, loosely cemented, sl crumbley Ls w/ GD XLN porosity, clean & barren

LKC 3522' (-1255) -LOG 3519' (-1252) Lm- Cream White Off White, Crypto - Med XLN, top of bench is fsl, well developed w/ GD ppt - sub vuggy porosity, SCTRD LT STN, VRY SL SFO, SL GSY SHN, FNT GSY ODR, transitioning into crypto XLN, tight w/o vis. grains, sl chalky in part

Lm- Cream Off White, Crypto - VF XLN, dense, well cemented, tight, no - minimal vis. porosity, few chips of white fresh chert, very clean & barren

Sh- Gray Maroon Lm Green Brown, gritty & earthy, soft, sl unconsolidated & trashy gray shale

Lm- Cream Tan, F-Med XLN, fsl & oolitic, well developed w/ GD interoolite porosity throughout, loosely cemented, LT GSY STN, SL GSY SHN, NSFO, GD GSY ODR, STN SEMI-FLAKEY

Sh- Brick Red Brown, dense & blocky, waxy, slick, gritty & earthy

Lm- Cream Tan, VF-FXLN, dense, tight & vry well cemented, sl fsl, sctrd XLN & fn ppt porosity, DRK SCTRD STN, NSFO, NO ODR

Lm- Cream Off White, VF-FXLN, most loosely cemented, & crumbley, sctrd XLN porosity, few chips w/ dense secondary recrystallized porosity, very clean

Lm- Cream Off White Buff, F-Med XLN, gritty & granular, dense, vry well cemented, sl dolomitic

Lm- Cream Off White, F-Med XLN, oolitic & fsl, densely packed small oolites in tight matrix, sctrd ppt porosity, loosely cemented, 2-3 chips w/ sctrd interoolite porosity, LT GSY STN, SL SFO, NO ODR

Lm- Cream Off White, VF-FXLN, dense, tight, well cemented, most w/ few vis. grains & rare vis. porosity, chalky in part

Sh- Black Gray Lm Green, soft, fissile, carbonaceous, massive, sl unconsolidated gray chips

Lm- Tan Drk Gray, F-Med XLN, oolitic, dense matrix & well cemented, sctrd fn ppt interoolite porosity, WK SCTRD STN, NSFO, NO ODR

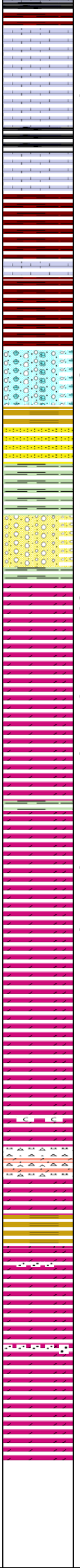
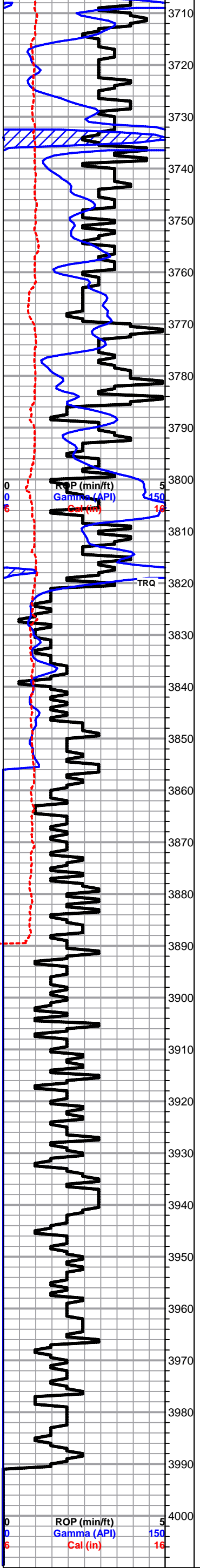
Lm/Dolomite- Cream Tan, FXLN, dense, vry well cemented, gritty sl cherty dolomite, sctrd ppt to sub-vuggy porosity, DRK BRWN STN, NSFO, FNT ODR, INSTANT BRIGHT FLOR & WET CUT, few sctrd chips of fresh angular chert

Sh- Gray Lm Green Maroon, gritty, sl unconsolidated, waxy

Lm- Cream Tan, F-Med XLN, sl fsl, well developed w/ consistant fn ppt porosity, loosely cemented, LT GSY STN, FR GSY SHN, FR ODR

Lm- Cream Off White, VF-FXLN, dense, vry well cemented, tight, sl cherty Ls, minimal vis. porosity, SCTRD DRK GILSONITE STN, NSFO, NO ODR, chalky in part

STARKE SHALE 3708' (-1441) E-LOG 3707' (-1440) Sh- Black Gray Lm Green Brown Maroon, soft, carbonaceous, gritty & earthy, some sl waxy



Lm- Cream Tan, FXLN, fsl & sl oolitic mix of dolomite & Ls, wel developed w/ consistant fn ppt porosity, GD GSY STN, MOSTLY SAT, SOME FLOATING FO GLOBULES, FR ODR

Sh- Black Maroon Gray, dense, well compacted, fissile, slaty, carbonaceous, soft, gritty & sl unconsolidated

Lm- Cream Buff, VF-F grn, dense, well cemented, algal Ls, minimal vis. porosity, tight

BKC 3747' (-1480) E-LOG 3745' (-1478) Sh- Maroon Brown, gritty & earthy, soft

Sh- Gray Maroon Brown, crumbley, soft

Lm Conglomerate- Reddish & Purpleish tint, soft, sl shaley matrix, crumbley, sctrd white chalk, few chips w/ SCRTRD STN, SL SFO, NO ODR, few small chips of tan, salmon, & pink chert

Sh- Lt Purple sandy lime

Ss- Lt Gray Buff Lt Purple, soft, vry friable, some calcareous sandy lime, various dark colored shales

D Conglomerate- Dolomite/Sand/Chert/Sh- Salmon/Yellowish gritty dolomite, FXLN, well cemented w/ BLK DO STN, NSFO, Sand- Clear, Rnd-Sub rnd clusters, consolidated - unconsolidated, vry friable - semi-cemented, SAT BLK DO STN, NSFO, Chert- Salmon Yellowish, fresh bedded, NO ODR

A/A, increasing amounts of chert, few sl cleaner chips of dolomite, Sh- Mint Green, slick & waxy

ARBUCKLE 3820' (-1553) E-LOG 3820' (-1553) Dolomite- Cream Tan Buff, F-Coarse XLN, mix of sucrosic & friable (BEST SAT STN) to well cemented, few w/ GD euهدral vis. rhombs, Med XLN, dense, well cemented w/ sctrd fn ppt -sub vuggy porosity, Coarse XLN- GD euهدral rhombic sucrosic clusters, sctrd siliceous cementation, all w/ SCRTRD TO SAT FLAKEY STN, NSFO, FR ODR

Dolomite- Cream Tan, F-Med XLN, sucrosic, most vry friable, many rhombic clusters consistant vry - fn ppt porosity, SAT DRK STN, FD-GD SFO, SOME BLEEDING, GD ODR

Dolomite- Tan, Med XLN, sl sucrosic, some well cemented, well developed w/ ppt porosity throughout, SAT DRK STN, SL SFO, GD ODR, some shaley & speckled w/ pyrite inclusions

Dolomite/Chert- Cream Salmon White, Med XLN, most well cemented & dense, much barren porosity, waxy mint green interbedded shale bench, mix of dolomite & cherty dolomite, SCRTRD DRK STN, SL SFO, GD ODR

Dolomite- Cream Off White Tan, Med-Coarse XLN, mostly sucrosic, well developed w/ ppt porosity throughout, few w/ glazed texture & minimal vis. porosity, GD SCRTRD DRK STN, FR SFO, GD ODR

Dolomite- FXLN, loosely cemented, ppt porosity, mostly barren, Med XLN, sucrosic w/ euهدral rhombs to well cemented & tight, barren porosity to SCRTRD STN, SL SFO, FR ODR, Crs XLN, sucrosic w/ euهدral rhombs, vuggy porosity, SCRTRD BLK STN, NSFO, FR ODR

40" smpl- Dolomite- Cream Tan, Med-Crs XLN, much sucrosic w/ GD euهدral rhombs, friable, GD vuggy porosity, much gummy white chalk, GD GSY STN, GD SHEEN, SL GSY SFO, GD ODR

Dolomite- Cream Tan, Med - Crs XLN, dense, very well cemented, tight w/ sctrd ppt porosity, SCRTRD BLK DO STN, NSFO, much barren porosity

Dolomite- Cream Off White Tan, Crs XLN, sctrd development, ppt-sctrd vuggy porosity, GD euهدral rhombic clusters, sctrd siliceous cementation, few w/ pyrite inclusions, few cubic euهدral pyrite clusters

Dolomite- Cream Tan, F-Med XLN, dense, well cemented, sctrd fn ppt porosity, few oolitic chips, mostly tight, sctrd white chalk

Chert/Dolomite- more fresh oolitic chert, VF-FXLN tan cherty dolomite, tight w/ sctrd vry fn ppt porosity

Dolomite- Tan, Med-Crs XLN, loosely to well cemented MXLN, vry fn - fn ppt porosity, sl sucrosic, Salmon & Tan Crs XLN, sucrosic, GD euهدral clusters, loosely cemented w/ ppt - vuggy porosity

Sh-Mustard Yellow Deep Purple Gray Drk Brown, soft, semi-waxy

Dolomite- White, Fn-Med grn sandy dolomite, clear rounded to sub-rounded grns, sl unconsolidated, vry friable, white loose cementation

Dolomite- Cream Buff Salmon, VF-FXLN, dense, most well cemented, few semi-soft, dense, tight, cherty dolomite, gritty, few chips w/ minimal vis. grains

Dolomite- White Off White, VFXLN, dense, sl sandy, speckled w/ glauconite, some gritty & sl sucrosic, semi-soft, sctrd white chalky & mint green waxy shale

Chert/Dolomite- Cream White Buff Semi-Translucent, VF-FXLN, cherty dolomite, some gritty, well cemented, dense & tight, minimal vis. porosity

A/A w/ more buff chert

RTD 3990' (-1723) LTD 3892' (-1625) @ 22:21 9/16/2012

**@ 3890'
SHORT TRIP
SURVEY 1 dgr.
CTCH
TOH FOR LOG

(AFTER LOG
DEEPEMED HOLE
100')**

**LTD 3892'
(-1625)**

