

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

DELETED TEMP. CONFID.
STAT. DUE TO NON-
FILING. Form ACO-1
October 2008
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

TEMP. CONFID. STATUS CONFIRMED
THROUGH 5/21/10 DUE TO APPLIC. TO KCC

OPERATOR: License # 34242
Name: Oolite Energy Corp
Address 1: P.O. Box 9398
Address 2: _____
City: Amarillo State: TX Zip: 79105 + _____
Contact Person: David E. Rice
Phone: (620) 624-0156
CONTRACTOR: License # 34127
Name: Tomcat Drilling
Wellsite Geologist: Ed Grieves
Purchaser: _____
Designate Type of Completion:
 New Well _____ Re-Entry _____ Workover
_____ Oil _____ SWD _____ SIOW
 Gas _____ ENHR _____ SIGW
_____ CM (Coal Bed Methane) _____ Temp. Abd.
_____ Dry _____ Other _____
(Core, WSW, Expl., Cathodic, etc.)

API No. 15 - 119-21247-00-00
Spot Description: _____
E2 NW SW NE Sec. 24 Twp. 33 S. R. 30 East West
1650 Feet from North / South Line of Section
2299 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Meade
Lease Name: Burmeister Well #: 1-24
Field Name: Wildcat
Producing Formation: Chester, Morrow
Elevation: Ground: 2701 Kelly Bushing: 2713
Total Depth: 6500 Plug Back Total Depth: 6068
Amount of Surface Pipe Set and Cemented at: 1685 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.

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: _____ Plug Back Total Depth
_____ Commingled _____ Docket No.: _____
_____ Dual Completion _____ Docket No.: _____
_____ Other (SWD or Enhr.?) _____ Docket No.: _____
12/3/09 12/19/09 3/22/10
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan AH I NR 4-16-10
(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 No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: David E. Rice
Title: Agent Date: 4/8/10
Subscribed and sworn to before me this 12th day of April
20 10. Becki Andrews
Notary Public: _____
Date Commission Expires: _____
NOTARY PUBLIC - STATE OF KANSAS
BECKI ANDREWS
My Commission Expires 4-22-2013

KCC Office Use ONLY
 Letter of Confidentiality Received
 If Denied, Yes Date: 4/15/10 - Deg
 Wireline Log Received
_____ Geologist Report Received
_____ UIC Distribution
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APR 14 2010

Operator Name: Oolite Energy Corp Lease Name: Burmeister Well #: 1-24
 Sec. 24 Twp. 33 S. R. 30 East West County: Meade

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Spectral Density Dual Spaced Neutron Log Microlog Array Compensated True Resistivity Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Base Heebner</td> <td>4456</td> <td></td> </tr> <tr> <td>Lansing</td> <td>4602</td> <td></td> </tr> <tr> <td>Marmaton</td> <td>5257</td> <td></td> </tr> <tr> <td>Morrow</td> <td>5755</td> <td></td> </tr> <tr> <td>Chester</td> <td>5831</td> <td></td> </tr> <tr> <td>St Louis</td> <td>6207</td> <td></td> </tr> </table>	Name	Top	Datum	Base Heebner	4456		Lansing	4602		Marmaton	5257		Morrow	5755		Chester	5831		St Louis	6207	
Name	Top	Datum																				
Base Heebner	4456																					
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Morrow	5755																					
Chester	5831																					
St Louis	6207																					

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
Surface	12-1/4"	8-5/8"	24#	1685'	A-Con	375	2% CC, 1/4# Cell Flake
					Premium Plus	150	2% CC, 1/4# Cell Flake
Production	7-7/8"	5-1/2"	15.5#	6124'	AA-2	220	Gilsonite, Salt, Defoamer, Fla-115

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				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	5833'-5840', 5852'-5855', 5867'-5872', 5882'-5885', 5906'-5918'	15,000 gals 15% HCL Acid	

TUBING RECORD:	Size: <u>2-7/8"</u>	Set At: <u>5758'</u>	Packer At: <u>N/A</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>3/22/10</u>	Producing Method: <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls. <u>30</u>	Gas Mcf <u>748</u>	Water Bbls. <u>3</u>	Gas-Oil Ratio <u>24,933</u> Gravity <u>41.4</u>

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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Customer Oolite Energy	Lease No.	Date 12/21/09
Lease Burmeister	Well # 1-24 TD	
Field Order # 00342	Station 1717	Casing 5 1/2
		Depth 6500'
Type Job Z42	5 1/2" Longstring	County MEADE
		State KS
	Formation	Legal Description 24-33-30

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 4 1/2"	Shots/Ft.		Acid 220 sx AA2	RATE Cement	PRESS 5 # Wilsonite	ISIP 10% SALT	
Depth 6122.25	Depth 6500'	From	To	Pre Pad 1.44 yield	Max 1/4" Deframer			675 Min FLA-115
Volume 144.7 bbl	Volume	From	To	Pad 6.2 gal/sk	Min			10 Min.
Max Press 3000	Max Press	From	To	Frac 15 lb/gal	Avg			15 Min.
Well Connection Plug Cont.	Annulus Vol.	From	To	50 sx AA2 Cement	HHP Used for Rat + Mouse			Annulus Pressure HOLE
Plug Depth 6080.05'	Packer Depth	From	To	Flush KCL Flush H2O	Gas Volume			Total Load

Customer Representative Tim Thompson	Station Manager Jerry Bennett	Treater Garry Humphries
Service Units 19888	19828 19883	
Driver Names Garry H.	Akel O.	Jerome Kramer

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0645					Arrive on loc - Safety Met.
					144 jts 5 1/2" 15.5# = 6122.25' Packer stroke
					6080.05' Raffle plate
					Centralizers - Middle of Jt # 1-3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29
					Baskets w/ stop Ring Jt # 2 + 16
0845					Start in hole w/ casing
1040					Break Circulation 1/2" @ jt # 72 30mins.
1300					Casing on Bottom - Circulate Well - 8
1330					Drop Ball - Wait 20min -
1359	500		1	.5	PSI Casing 500psi Wait 1 min
1400	1000		1.25	.5	PSI Casing 1000psi Wait 1 min
1401	1200		1.5	.5	Packer Set @ 6110' with 1200psi
1402	200		5	3	Pump 5 bbl H2O spacer
1403	200		12	3	Pump 12 bbl superflush II spacer
1408	200		5	3	Pump 5 bbl H2O spacer
1409	200		0	4	Start Pumping 220 sx AA2 Cement @ 15#
1424	0		58	4	Pumped @ all 220 sx
1425					Clean lines to Pit
1429					Drop Plug (LATCH DOWN TYPE)
1431	0		0	2	Start Pumping Displ
1448	0-150		109	7	Catch Cement - Slow Rate from 7-5

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Customer <i>Colite Energy</i>		Lease No.		Date <i>12-5-9</i>	
Lease <i>Burmeister</i>		Well # <i>1-24</i>			
Field Order # <i>17100223A</i>	Station <i>Liberal, KS</i>	Casing <i>8 7/8</i>	Depth <i>1690</i>	County <i>Meade</i>	State <i>KS</i>
Type Job <i>Surf Ace</i>			Formation	Legal Description <i>24-33-30</i>	

PIPE/DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 7/8</i>								
Depth <i>1690</i>	Depth	From	To <i>11.2</i>	Pre-Pad <i>350 sy 3.2%</i>	Max <i>7.5 SL</i>	<i>20.82 Gal</i>	<i>5 Min</i>	
Volume <i>111615</i>	Volume	From	To <i>12.0</i>	Pad <i>255x Class</i>	Min <i>11 w/290 C.C.</i>	<i>11 F</i>	<i>10 Min</i>	
Max Press <i>1500</i>	Max Press	From	To <i>14.8</i>	Frac <i>1505 Premium</i>	Avg <i>1.37</i>	<i>290 C.C. 1/4" CHL FLUKE</i>	<i>15 Min</i>	
Well Connection	Annulus Vol.	From	To		HHP Used <i>143.5k</i>	<i>6.64 Gal</i>	Annulus Pressure	
Plug Depth <i>1642'</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>Tom Thompson</i>	Station Manager <i>Jerry Bennett</i>	Treater <i>Samuel Chavez</i>
Service Units <i>30416 19828 19883 14355 14284 18553 12978</i>		
Driver Names <i>F. Chavez Gary H. Gary H. Mickey C.</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>105</i>					<i>Called out for Job</i>
<i>215</i>					<i>Arrive on location - Rigging Pump Drill Pipe</i>
<i>225</i>					<i>Safety Meeting - Rig Up</i>
<i>1145</i>					<i>Out of Hole w/DP Rig Up Casings</i>
<i>515</i>					<i>Start 8 7/8 Casing + Float Equipment</i>
<i>700</i>					<i>Casing on bottom Hook PC. and Circ Iron</i>
<i>745</i>					<i>Break Circ w/ris - Circulation To Bit</i>
<i>815</i>					<i>Hook up to Pump Truck</i>
<i>825</i>	<i>1500</i>		<i>5</i>	<i>5</i>	<i>Pressure Test Lines - Pump 255x w/290 C.C.</i>
<i>830</i>	<i>250</i>		<i>214</i>	<i>5.0</i>	<i>Pump 350 sy of A. Ann cmt @ 11.2#5</i>
<i>910</i>	<i>200</i>	<i>115</i>	<i>36</i>	<i>4.5</i>	<i>Pump 150 sy of Tail cmt @ 14.8#5</i>
<i>918</i>			<i>0</i>	<i>0</i>	<i>Shut down Drop Plug - Wash Up</i>
<i>920</i>	<i>250</i>		<i>84</i>	<i>5.5</i>	<i>Pump Displacement</i>
<i>930</i>	<i>500</i>			<i>5.0</i>	<i>70 bbls Pumped cement to Surface</i>
<i>940</i>	<i>600</i>		<i>20</i>	<i>2.0</i>	<i>75 bbls in slow rate</i>
<i>945</i>	<i>1100</i>		<i>5</i>	<i>5</i>	<i>Land Plug</i>
<i>946</i>					<i>Release Pressure - Float Held</i>
<i>1030</i>					<i>Job Over</i>
					<i>Circulated 25bbls To Surface</i>

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GEOLOGIST'S REPORT

DRILLING TIME & SAMPLE LOG

COMPANY OOLITE ENERGY CORP
 LEASE BURMEISTER NO. 1-24
 LOCATION 1650FNL & 2299FEL
 SEC. 24 TWP. 33S RNG. 30W
 COUNTY MEADE, STATE KANSAS
 FIELD N/A

ELEVATIONS
 KB 2713
 DF 2711
 GL 2701
 MEASUREMENTS ARE ALL FROM KB

CONTRACTOR TOMCAT DRLG. RIG NO. 3
 COMM. 12-2-2009 COMP. 12-20-2009
 RTD 6500 LTD _____
 No. of DST'S 1 No. of CORES NONE

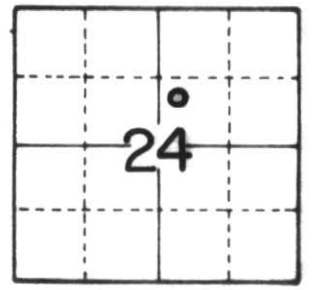
CASING RECORD
8/8" at 1686 w/ 675 sx.
 _____ at _____ w/ _____ sx.
 _____ at _____ w/ _____ sx.
 _____ at _____ w/ _____ sx.

EL. LOG ACRES-SP-GR
DEN-NEUT-GR-CALIPER
ML-EMI

SAMPLES SAVED FROM 4200 TO TD
 DRILLING TIME KEPT FROM 4200 TO TD
 SAMPLES EXAMINED FROM 4200 TO TD
 GEOLOGICAL SUPERVISION FROM 4200 TO TD
 GEOLOGIST ON WELL EDWIN H. GRIEVES

FORMATION TOPS

FORMATION TOPS	SAMPLE	LOG	SUBSEA
<u>BASE HEEBNER</u>	<u>4456</u>	_____	_____
<u>TORONTO</u>	<u>4471</u>	_____	_____
<u>LANSING</u>	<u>4602</u>	_____	_____
<u>KANSAS CITY</u>	<u>5090</u>	_____	_____
<u>MARMATON</u>	<u>5257</u>	_____	_____
<u>CHEROKEE</u>	<u>5444</u>	_____	_____
<u>MORROW</u>	<u>5755</u>	_____	_____
<u>CHESTER</u>	<u>5831</u>	_____	_____
<u>ST. GENEVIEVE</u>	<u>6126</u>	_____	_____
<u>ST. LOUIS</u>	<u>6207</u>	_____	_____
<u>TD</u>	<u>6500</u>	_____	_____



REMARKS Earth-Tech had an unmanned gas detection trailer on this well from 4200 feet to total depth.

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Thank you,
 Edwin H. Grievess
 Geologist

C1 = METHANE
 C2 = ETHANE
 C3 = PROPANE
 C4 = BUTANE
 C5 = PENTANE

CHROMATOGRAPH
 HOT WIRE BY
 TOTAL GAS VOLUME

LITHOLOGY
 SANDSTONE
 LIMESTONE
 SHALE
 GYPSUM
 SLTSTONE
 DOLomite
 CRINITE WASH
 SAND & GR

DRILL TIME SCALE

DRILL TIME SCALE

WELL RECORD

DATE	TIME	DEPTH	DRILLER	LOGGERS

WGB 40000
RPM 80-85
SPM 100
PF 1000

Sh. lt. to med. gray + trs. dk. gray;
slite v. calc. IP's grading to extremely
shly. least; silty IP's

Lms. grayish-tan to lt. gray; crypto
to v.v. fine xln.; slite to v. shly IP's
grading to calc. Shs. lt. to med. gray;
chlk., sub-chlk, sub-suro + packstr;
v. dul. yel. fluor. IP's; No cut;
No Vis. FOR.

Lms. similar 428E-433W/interbeds
Shales med. to v. dk. gray-calc.
to v. dk. gray to black-carb.

Sh. med. to v. dk. gray to black;
slite to v. calc IP's; trs. slite to fine
silty IP's.

Lms. lt. gray-tanish IP's; crypto to v. fine
xln.; slite to fine shly IP's; sub-chlk
trs. sub-suro + packstr; trs. foss.;
No fluor.; No cut; No vis FOR

Sh. med. to v. dk. gray-calc to v. dk. gray
to black-carb

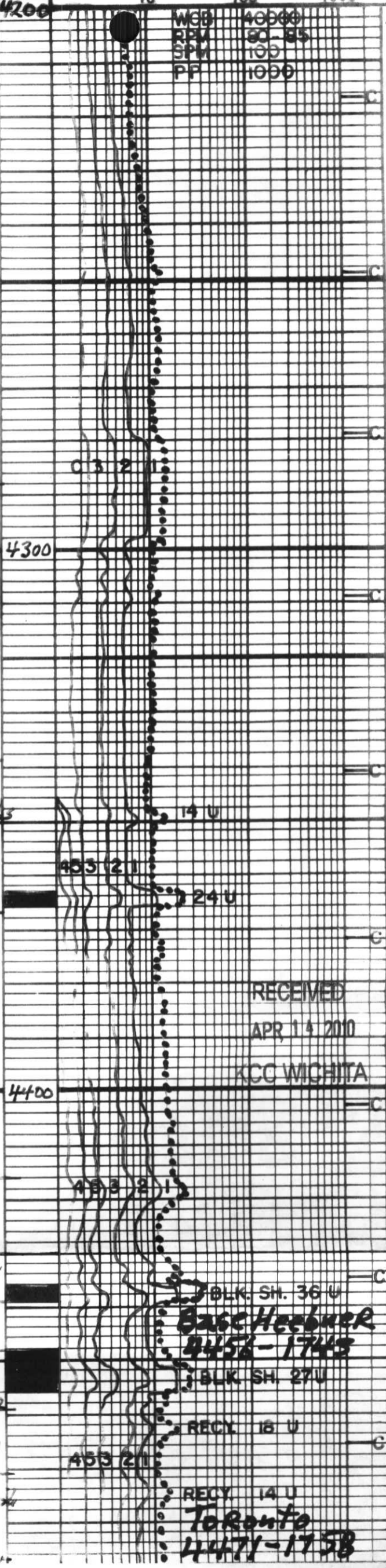
Lms. similar 441E-443C

Sh. v. dk. gray-calc IP's to black-carb

Lms. lt. gray; crypto to v. fine xln.; sub-chlk
+ packstr; v. dul. yel. fluor.; No cut; No vis FOR

Sh. lt. gray to lt. green + trs. olive green

Lms. abn. wh. to crm. chlk + tan, gray
IP's; crypto to v. fine xln.; sub-chlk,
sub-suro + packstr; abn. slite
to v. calc IP's



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BLK. SH. 36 U
Base Heebner
4456-1743

BLK. SH. 27 U

RECY. 18 U

RECY. 14 U
Toronto
4471-1758

Sh. med. to v. dk. gray - calc to v. dk. gray
to black - carb

Lms. similar 4416-4430

Sh. v. dk. gray - calc IP's to blk - carb

Lms. lt. gray; crypto. xln. fns. sub-chlk
+ packstn; dul. yel. fluor; No cut; No Vis Por

Sh. lt. gray to lt. green + trs. olive green

Lms. abn. wht. to crm. chlk + tan, grayish
IP's; crypto. to v. v. f. xln.; sub-chlk,
sub-sucro + packstn; abn. sli
to v. oolitic; lt. yel. fluor; No cut
abn. pr. to trs. gd. micro-pip. por

Lms. lt. gray, tanish IP's to trs. tan;
crypto. to v. v. f. xln.; sub-chlk, sub-sucro
+ packstn; sli. to faly shly IP's; dul. lt. yel.
to lt. yel. fluor; No cut; No Vis Por

Lms. similar 4471-4499

Lms similar 4499-4417

Lms similar 4471-4499

Interbedded Limestones and Shales

① Lms. similar 4499-4517

② Shs. med. to dk. gray w/ trs
v. dk. gray to black; calc. IP's

Lms. lt. gray to tan; crypto. to v. v. f. xln.
sub-chlk, sub-sucro + packstn; trs. oolitic
dul. lt. to dul. yel. fluor; No cut; No Vis Por
Lms. tan; crypto. to v. v. f. xln.; v. to oolitic
No v. to oolitic; matrix sub-sucro to trs
sucro. + packstn; dul. lt. to yel. fluor; No cut
abn. pr.; trs. gd. to crm. oolitic por; v. Quest Por

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Interbedded Lmsts + scattered thin Shales

① Faster Dalg Lms. trs. to abn. wht to crm.
chlk + tan, grayish IP's; crypto to
v. v. f. xln.; chlk, sub-chlk, sub-sucro +
packstn; dul. yel. to yel. fluor; No cut
No Vis Por. w/ trs lms similar

4609-4622 poss stringing
in samples from above

② Slower Dalg Lms. lt. gray to tan; crypto
to v. v. f. xln.; sub-chlk, sub-sucro +
packstn; dul. var. fluor. IP's; No cut

BLK. SH. 36 U
Base Heubner
2454-1749
BLK. SH. 27 U
RECL. 18 U
RECL. 14 U
Toronto
4471-1758

Lansing
4609-1809
WGR 4000
RSL 75-80
SPN 100
PP 1050

4500

C321

4600

4700

chert tan, grayish ls, crypto to
v.v. fn. xln; chlk, sub-chlk, sub-sucro
pachstn; dul. yel. to yel. fluor; Nolut
No Vis Por. w/ tas has similar

4700

4609-4622 pass stringing
in samples from above

② Slower Delg Lms. H. gray to tan; crypto
to v.v. fn. xln; sub-chlk, sub-sucro
pachstn; dul. yel. fluor. IP's; Nolut
No Vis Por.

③ scattered thin shales med
w/ tas drk to v. drk grays;
sli. to very calc IP's

Lms. tan, v.v. fn. xln; sub-sucro
extly. sucro; dul. yel. fluor; Nolut
abu. pr. fr. gd. to excel. micco-poro
interd. por; tas. Chert gray to tan,
opaque

4800

Lms. tan, grayish. IP's; crypto. to v.v. fn.
xln; sub-chlk, sub-sucro + pachstn;
dul. yel. fluor.; Nolut; No Vis Por;
tas. Chert gray to tan; opaque

Sh. med. to drk gray - calc w/ abu. v. drk.
gray to black - carb. looking

Lms. similar 4813-4838 becoming lt gray
+ shly. IP's

Lms. trs. wht. to crm. - chlk + tan; crypto
to v.v. fn. xln; v. to extly. oolitic
or sli. to extly. oolitic; matrix sub-sucro
to trs. sucro + pachstn; dul. yel. to
glau. yel. fluor.; Nolut; abu. pr. fr. gd.
to excel. oolitic for; v. Quest Perm

Lms. similar 4813-4838 becoming
lt. gray - shly IP's to extly. calc. shs

4900

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Lmst. hv. trs. IP's to extly. abu wht
to crm + lt. tan - chlk and tan; crypto
to sli. trs. v.v. fn. xln; chlk, sub-chlk
sli. trs. sub-sucro + pachstn; dul
yel. fluor; Nolut; No Vis Por;
w/ scattered thin beds lt. gray - shly
grading to shs med to drk. gray;

WGS 40000
SPM 55
PF 100
1050

Lms. hv. tes. lps to extly abn wht
 to crm + h. tan - chlk and tan; crypto
 to sl. tes. v. u. fn. xln; chlk, sub-chlk
 sl. tes. sub-sucro + packstn; dul
 yel. fluor; No Cut; No Vis POR;
 w/scattered thin beds h. gray-shly
 grading to shs med to drk. gray;
 calc. lps

G3 2

5000

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Sh. med. to v. drk gray - calc to
 v. drk. gray to black - carb.

Kansas City
 5090-2377

G4 5

Interbedded Limestones + Shales

- ① Lms. h. to med. gray - shly + tan, grayish lps
 crypto. to v. u. fn. xln; sub-chlk to shly
 sub-sucro + packstn; No fluor; No Cut; No Vis POR
- ② Shs similar 5068-5090

5100

Lms. tes. to hv. tes. wht to crm - chlk + h. gray
 to tan; crypto. to v. u. fn. xln; v. to extly
 oolitic / or v. to extly oolitic;
 matrix sub-sucro. to tes. sucro.
 and packstn; dul. yel. to yel. fluor;
 No Cut; abn. pr. fr. gd. to excel
 oolitic POR; V. Quest. Perm

Lms. hv. tes. wht to crm - chlk, h. gray to
 tan; crypto. to v. u. fn. xln; chlk
 sub-chlk + packstn; oolitic lps, shly lps
 No fluor; No Cut; No Vis POR
 w/trs. lms. similar 5118-5146 prob
 stringing in samples from above

G3 2

Lms. h. to med. gray; sl. shly; crypto
 xln; packstn; No fluor; No Cut
 No Vis POR

5200

WOB 40000
 RPM 75-85
 SPM 100
 IN 550
 BIT TRIP 5208
 TRIP GAS 240

Lms. similar to 5170-5208

xln; packstn; No fluor; No cut
No Vis POR

WOB 40000
RPM 75-85
SPM 100
PP 500
BIT TRIP CFS
5200
TRIP GAS 24U

Lms. similar to 5170-5208
becoming more shly. gradng. to
extly. calc shs

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Maxwaton
5257-2544

Sh. med to v. drk. gray - calc. IP's
Lms. trs. to hv trs wht. to crm. - chlk and
tan, grayish. IP's; crypto. to v. v. fn. xln.
sub-chlk, sub-sucro + packstn.;
trs. phantom oolitic to trs oolitic
dul. lt. to v. sl. trs. H. yel. fluor; No cut; No vis por

Lms. v. abn. wht. - chlk w/ bluish grn.
fluor. + faint strming, milky + gd ring
cuts and tan; crypto. to v. v. fn. xln.
sub-chlk, sub-sucro to
sucro + packstn. fn x/s w/ v. v. fn. v. sucro
matrix; strong oil odor; gd yel
fluor. w/ faint strming cuts

to milky cuts + faint to fine ring cuts
hv trs. pr. to tr. + sl. trs. gd. microp
por in sucro. matrix
Quest. overall Perm.

Lms. grayish tan; crypto. to trs. v. v. fn.
xln; sub-chlk, trs. sub-sucro and
packstn.; dul. lt. yel. fluor; No cut
No Vis POR

Lms. v. abn. crm. - chlk + tan; crypto. to
v. v. fn. xln; sub-chlk, sub-sucro and
packstn.; trs. phantom oolitic; dul. yel
fluor.; No cut; trs. poor micro-por por's

Lms. tan to grayish. tan; crypto. to v. v. fn.
sub-chlk, sub-sucro + packstn.; dul. yel. fluor
No cut; No Vis POR

Sh. v. drk. gray. to black - carb

Lms. similar 5347-5365
Lms. v. abn. crm. to tan - chlk + tan
crypto. to v. v. fn. xln; sub-chlk, sub-sucro
+ trs. packstn.; dul. lt. yel. fluor; No cut
No Vis POR

Lms. trs. wht. to crm. - chlk + tan, grayish
to trs. lt. gray; crypto. to v. v. fn. xln;
sub-chlk, sub-sucro + packstn.;
dul. lt. yel. fluor; No cut; No Vis POR

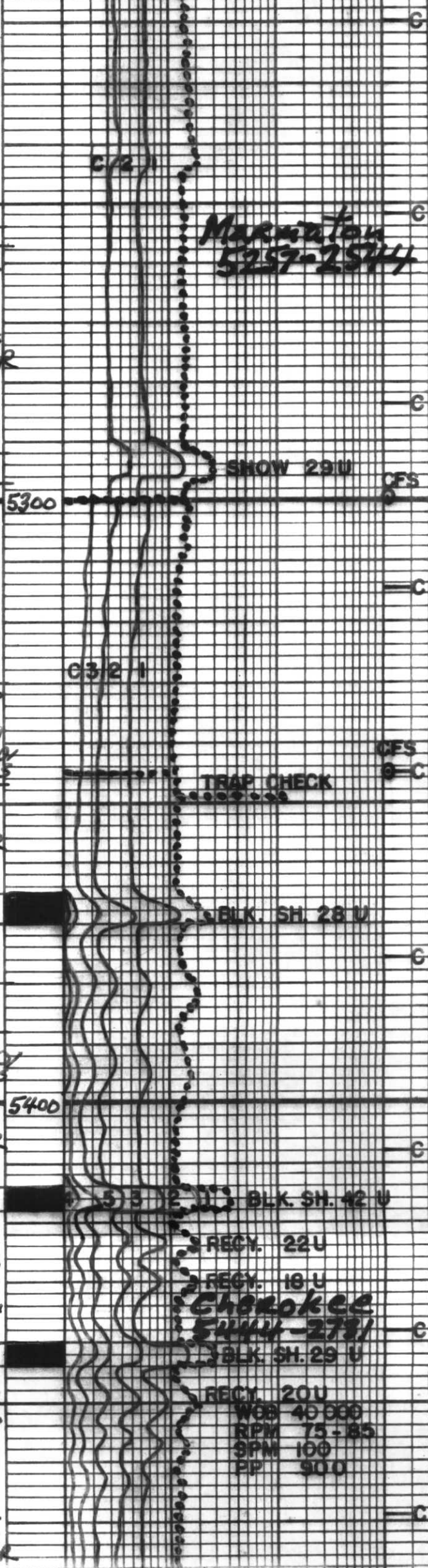
Sh. v. drk. gray to black - carb

Lms. tan, grayish IP's crypto. to v. v. fn.
xln; sub-chlk, sub-sucro + packstn;
trs. phantom oolitic; dul. yel. fluor.;
No cut; No Vis POR. w/ sl. trs. chert + tan
opaque

Sh. v. drk. gray to black - carb

Interbedded Gradational Limestones
① Lms. H. to med. gray; crypto. xln; very
to extly shly; packstn; No fluor;
No cut; No Vis POR

② Lms. H. gray, grayish. tan to tan
crypto. xln; sub-chlk to packstn;
dul. H. yel. fluor IP's; No cut; No vis por



Sh v. drk. gray to black - C2R6

Interbedded Gradational Limestones

① Lms H. to med. gray; crypto. xln; very to extly Shly; packstn.; No fluor; No cut; No Vis POR

② Lms. H. gray, grayish tan to tan, crypto. xln; sub-chlk to packstn.; dul. H. yel. fluor. IPS; No cut; No Vis POR

Sh v. drk. gray to black - C2R6

Interbedded Gradational Lmsts + Shs

① Lmst. similar SH44-5484

② Shs. med. to v. drk. gray - calc. to v. drk. gray to black - C2R6

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Lms. tan, dk. tan to lt. brn; crypto to v.v. fn. & fu. xln; sub-sucro to sucro + packstn.; trs. greenish-yel. fluor w/ faint staining & faint fogd. Ring cuts; No Vis POR; trs. Chest tan opque

Interbedded Limestones and Shales

① Lms. tan, grayish IPS; crypto to v.v. fn. xln; trs. chlk, sub-chlk, sub-sucro + packstn.; dul. yel. fluor; No cut No Vis POR

② Sh med. to v. drk. gray - calc. to v. drk. gray to black - C2R6

Lms. H. gray. to tan; crypto. to v.v. fn. xln. sub-chlk, sub-sucro + packstn.; phantom oolitic IPS; dul. yel. fluor; No cut No Vis POR → w/hvy trs. tan to brown from oil stn. when dried; v.v. fn. xln; sub-sucro to v. sucro; trs w/ phantom oolites; bet. H. greenish yel. fluor. w/ flush fogd. staining. cuts; 2bn. pr., fr., gd. to excel. micro. pp. por + prob. interxln por; w/ prob. scattered thin beds Shs med. to v. drk. gray - calc. to v. drk. gray to black - C2R6

Interbedded Limestones and Shales

① Lms. tan, grayish. IPS; crypto. to v.v. fn. xln; sub-chlk, sub-sucro + packstn.; 2bn. phantom oolitic to 2bn. oolitic; trs. foss; v. dul. H. yel. fluor.; No cut; No Vis POR

② Lms. H. to med. gray - sl. to extly Shly; crypto. xln; sub-chlk to on shly + packstn. No fluor; No cut; No Vis POR

③ Sh med. to v. drk. gray - calc. to v. drk. gray to black - C2R6

5723-5755 Lmsts w/ scattered thin Shs

BLK SH. 29 U

REC. 20U
WOB 40000
RPM 75-85
SPM 100
PP 900

BLK SH. 30 U

REC. 22U

REC. 18U

Atoka
5490-2777

GN GAS 17U

C3 2 1

5600

WOB 45000
RPM 90
SPM 100
PP 900

3 2 1

52U

25U

18U

30U

5700

30U

71U

29U

40U

Interbedded Limestones and Shales

① Lms. tan, grayish. IP's; crypto. to v. fn. xln; sub-chlk, sub-sucro + pachstn; abn. oolitic to abn. oolitic; fax. foss; v. dul. ye. fluor.; No cut; No Vis Por

② Lms. lt. to med. gray - sl. to extal. shly; crypto. xln; sub-chlk; on shly + pachstn; No fluor.; No cut; No Vis Por

③ Sh med to v. drk. gray - calct to v. drk. gray to black - carb

5723-5755 Lmsts w/ scattered thin Shs

① Lms. lt. to med. gray - sl. to shly to grayish-tan to tan; crypto. to v. v. fn. xln; trs. sub-chlk, trs. sub-sucro + pachstn; v. dul. ye. fluor. IP's; No cut; No Vis Por

② Sh med to v. drk. gray - calct to v. drk. gray to black - carb

5755-72 Sh. med to drk. gray w/ trs s, ltst + Qtz Sdsts - v. fn. gr; ang. poly. v. to extal. glauc; abn. finely disseminated pyr. IP's; No fluor.; No cut; No Vis Por

5772-87 Lm. + Qtz Sdst w/ interbed Shs Lm. + Qtz Sdst tan to lt. gray; v. v. fn. to coarse gr; v. to extal. glauc. IP's; abn. calc. cement; silt filled; No fluor.; No cut; No Vis Por w/ prob interbeds Shs similar

5755-72 and abn. lt. green Sh 5787-97 Qtz Sdst. tan to grayish tan; v. v. fn. tan; ang. pr. to fr. sort; silt clay filled; scattered trs. glauc; v. dul. glauc. ye. fluor. w/ faint to fr. ring cuts IP's; silt to hvy. trs. pr. to sl. trs. fr. micro pp; poss. interbeds por IP's; v. drk. form

Sdst similar 5787-97 grading to silt stn No fluor.; No cut; No Vis Por w/ Sh med to drk. gray + lt. green

5805-17 Qtz Sdst grayish tan to tan; v. v. fn. tan; gr, ang; pr. to fr. sort; abn w/ sl. trs glauc. + pschloarite; trs. w/ trs pyr; gd. oil odor bat green to gray sh. ye. fluor flush to excel staining cuts; abn pr to hvy. trs. fr + trs. qd micro pp to intergr. por

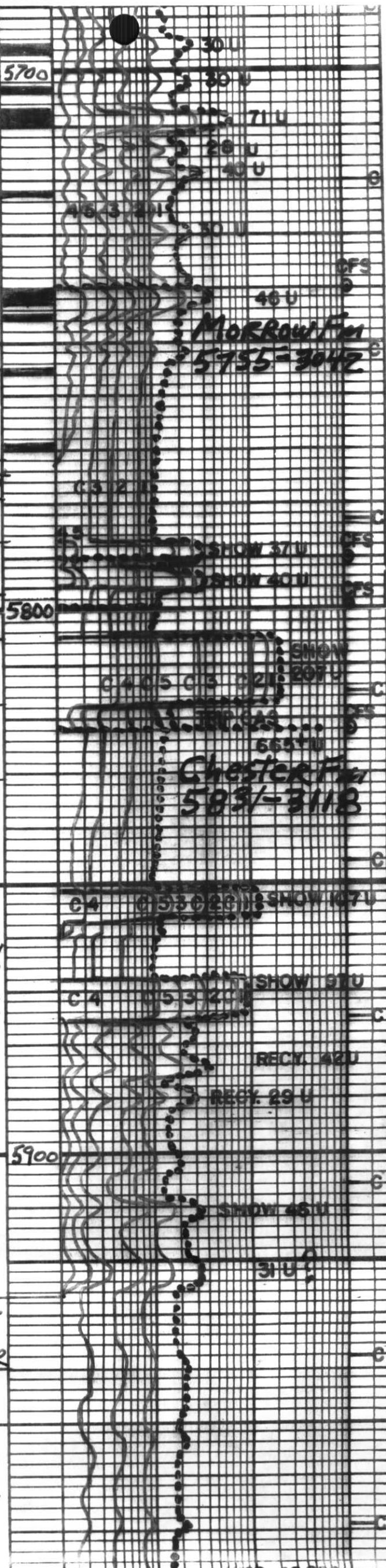
5817-31 Interbedded s, ltst + Shs. Siltstn lt. gray to lt. green to glauc; clay filled IP's; calc. IP's; sl. to extal. pyritic IP's; No fluor.; No cut; No Vis Por + Shs med to v. drk. gray; sl. to extal. silty IP's; hvy. trs. sl. to extal. glauc IP's

5831-5927 Frag. Lms. lt. gray to tan; v. fn. to coarse gr (grs. crypto. to v. fn. sl) Composed oolites, foss frags + Lm. grs; matrix chlk, sub-chlk, sub-sucro to sucro + pachstn; v. dul. ye. fluor IP's w/ milky to good staining cuts; hvy. trs. poor to trs. fair micro pp por; Quest. Perm; w/ prob some interbeds Shs med. gray; earthy texture, calc

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Sh med. gray; earthy texture; sl. to fully calc. IP's; w/ trs siltstn lt. gray. to green from glauc; No fluor; No cut; No Vis Por

Lms. med. gray; shly grad to extal calc. Shs; crypto. xln; sub-chlk and/or shly. to pachstn. No fluor; No cut; No Vis Por



Morrow Form
5755-3042

Chester Form
5831-3118

53023 SHOW 107U

5322 SHOW 91U

RECY. 42U

RECY. 29U

SHOW 45U

31U

Lms. med. gray; & shly grad to extly calc. Shs.; crypto. xln; sub-chlk and/or shly. to packstn. No fluor; No Cut; No Vis Por

MOB 43 000
RFM 75-85
SPM 100
PP 900

6006-6008 Lms. tan w/brn oil stn

v.v. fn to v. fn; sub-sucro to sucro dul. gls to gls. yel. fluor; one piece staining cut - Rest fr. Ridg cuts p to fr micro-por. IP's w/ poss. intertn por IP's

6008-34 Interbedded Lmsts + Shs
① Lms. H. gray, grayish, tantotan; crypto to xln; xln; trs. sub-chlk, trs. sub-sucro to packstn; trs. conglomeratic (Lungs); trs. dul. yel. fluor. No Cut; No Vis Por
② Sh. med to drk. gray - calc w/abn grayish gray to H. gray

6034-6074 Verigated Sh + Lms + Conglomerate

① Verigated Shs grays, Reds, maroons + greens

② Lms. grays. totans w/trs greenst + trs pink crypto. to v. fn. xln; sub-chlk, sub-sucro + packstn; sli. trs. micro-oolitic No fluor; No Cut; No Vis Por

6074-6088 Lms. tan, grayish IP's w/trs spta to trs even brown oil stn. Crypto to v. fn. qtz. Sdy. ang. to silt; matrix sub-sucro to sucro; trs. grayish yel. fluor. flush to slow fr. staining cuts No Vis Por

6088-96 Qtz sst tantotan from oil stn; v.v. to v. fn w/ trs. ang. j. ang. prly. sort; v. abn. clay + calc cement; trs. micro-oolites IP's; gls. yel. fluor w/ flush to qd staining cuts trs. pet. silt trs. fr. micro-oolitic por. IP's

6096-6106 Verigated Shs + Siltstns
Shs reds, greens, maroons + grays w/trs siltstn v. trs. H. gray blk dead oil stn IP's

6106-26 Reworked Lms. trs. wht. to cream-chlk + H. gray to tan; crypto. to v. v. fn. xln; sub-chlk, sub-sucro to sucro + packstn; hvy trs w/abn. micro-oolitic; v. v. fn. qtz. sst - ang. to silt; trs. spta to even brn oil stn; dul. gls. to silt; trs. grayish. yel. fluor w/ flush to fr. to qd. staining cuts No Vis Por w/verigated shs + trs. chert tan to orange; opq. to transl.

6126-6207 Lms. tanish gray to grayish. tan, greenish IP's; crypto. to v. v. fn. xln; extly micro-oolitic and/or sli. to v. Qtz Sdy. - v. v. fn. gr. ang; matrix trs. sub-chlk, sub-sucro. to sucro; dul. H. yel. fluor. IP's; No Cut; No Vis Por

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6207-26 Lms. grayish tantotan; crypto to v. v. fn. xln; v. to extly oolitic (silt med + lg); matrix sub-chlk, sub-sucro. to sucro + packstn; dul. H. to H. yel. fluor; No Cut; No Vis Por w/hvy trs chert gray, tant orange; opque to transl.

6226-28 Lms. abn. wht to cream-chlk w/chlk oolites IP's + H. tan; crypto to v. v. fn. xln; extly oolitic (med + lg)

SHOW 22 U
SHOW 18 U
St. Genevieve
6126-3413

St. Louis
6207-3494

6207-26 Lms. grayish tan to tan; crypto to v.v. fn. xln; v. to extely. oolitic (sm med + lg); matrix sub-chlk, sub-sucro. to sucro + packstn; dul. lt. to ht. yel. fluor; No cut; No vis por w/hts chert gray, tan to orange; opaque to transl.

6226-28 Lms. abn. wht to cream-chlk w/chlk oolites lps + ht. tan; crypto to v.v. fn. xln; extely oolitic (med + lg) matrix sub-chlk, sub-sucro to sucro dul yel. fluor; No cut; No vis por; poss interstr. por. in sucro. matrix

6228-6256 Lms. w/chert similar 6207-6226

Lms. v. abn. wht. to cream-chlk w/chlk oolites lps + ht. tan; crypto to v.v. fn. xln; extely oolitic (med to lg + tess sm); pelltal lps; w/hts poss frags lps matrix chlk, sub-chlk w/hts sub-sucro + v. sli. tes sucro; dul. yel. fluor; No cut; No vis por

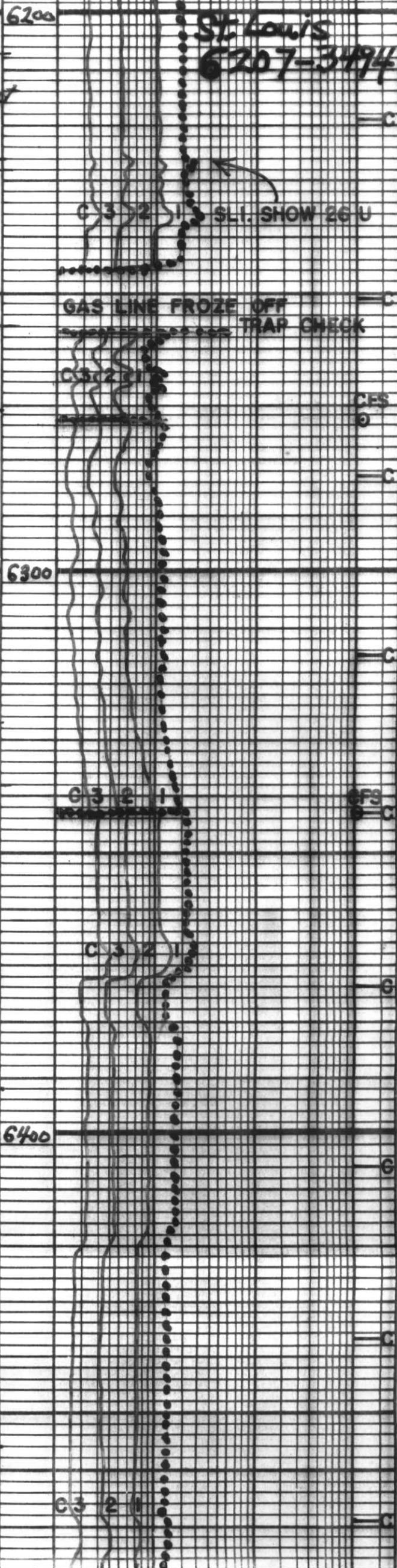
Lms w/chert similar 6207-6226

Lms. similar 6256-6271

Lms. grayish. tan to tan + trs. CRM; crypto. to v.v. fn. xln; v. to extely oolitic (sm, med + lg) matrix chlk, sub-chlk, sub-sucro to trs sucro. + packstn; dul. yel. fluor. No cut; No vis por w/hts chert wht., gray. to tan; opaque to trs. transl

Lms. grayish. tan to tan; crypto to trs. v.v. fn. xln; trs sub-chlk, trs sub-sucro. packstn and sub-lithographic; dul. yel. fluor No cut; No vis por; w/hts chert wht, gray to tan; opaque to transl

Lms. lt. gray, grayish. tan to tan; crypto to v.v. fn. xln; sub-chlk, sub-sucro + packstn; phzatom oolitic lps sli. dolomitic lps w/sli tes Dolo ht. gray; v.v. fn. xln; sub-sucro to



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Lms. lt. gray, grayish. tan to tan; crypto to v.v. fn. xln.; sub-chlk, sub-sucrog + packstr.; phzntom oolitic lps sli dolomitic lps w/sli trs Dolo lt. gray; v.v. fn. xln.; sub-sucro to sucro.; dwl. yel. to yel. fluok.; No Cut; No Vis. Por. w/huy. trs Chert wht., gray to tan; opaque to transl.

6500

TD 6500

7 7/8 inch Bit Info:

	in	out
1. New BHC GX225	1690	5208
2. New BHC GX30C	5208	5822
3. New BHC EP6645	5822	6500TD

Cir. Points:

1. 4615	6. 5740	11. 6273
2. 5120	7. 5790	12. 6343
3. 5208	8. 5800	13. 6500TD
4. 5300	9. 5822	
5. 5345	10. 6120	

Dev. Suav.:

1. 928 1/2°	4. 3157 3/4°	7. 5827 1/2°
2. 2213 2°	5. 4435 1/2°	8. 6500
3. 2623 1°	6. 5208 1°	

Daily Drlg Progress

1. 3870	2:45 PM	12-9-09
2. 4200	8:34 AM	12-10-09
3. 4634	7:00 AM	12-11-09
4. 5041	7:00 AM	12-12-09
5. 5208	7:00 AM	12-13-09
6. 5441	7:00 AM	12-14-09
7. 5626	7:00 AM	12-15-09
8. 5822	7:00 AM	12-16-09
9. 5834	7:00 AM	12-17-09
10. 6094	7:00 AM	12-18-09
11. 6323	7:00 AM	12-19-09
12. 6500	7:00 AM	12-20-09

DST #1 MORROW 5806-5822

1.0. BOB 30sec. GTS 15 mi; Strong Blow
 F.O. BOB+GTS ASAD Strong Steady Blow
 Rec 10ft gassy mud 30% Gas 70% Mud
 BHT 124°F

SHP 2831

IFP	min	PSI	Ck	MGF/D
IFP	25-28			
BSIP	2019			
FFP	26-52			
FSIP	2010			
FHP	2841			
IF	20	8	1/8	8.38
	30	10	1/8	9.13
FF	10	19	1/4	52.99
	20	18	3/8	118.69
	30	19	1/2	122.35
	40	20	3/8	126.02
	50	21	3/8	129.68
	60	22	3/8	133.34

Mud Info:

Date	12-9	12-10	12-11	12-12	12-13	12-14	12-15	12-16
Time	2:45P	12:5P	11:30A	7:30A	1:00A	5:15A	10:45	12:00
Depth	3870	4420	4719	5052	5257	5452	5675	5822

FF	10	19	1/4	52.99
	20	18	3/8	118.69
	30	19	3/8	122.35
	40	20	3/8	126.02
	50	21	3/8	129.68
	60	22	3/8	133.34

Mud Info:

Date	12-9 2:45P	12-10 12:15P	12-11 11:30A	12-12 7:30A	12-13 11:00A	12-14 8:15A	12-15 10:45A	12-16 8:00A
Depth	3870	4280	4719	5052	5257	5452	5675	5822
WT.	9.2	9.1	9.4	9.1	9.2	8.9	9.0	9.1
Vis	40	41	43	47	55	50	55	57
PV	8	8	12	19	20	17	20	19
YP	14	12	9	6	13	12	14	14
GS	5/11	3/9	3/9	6/12	4/12	3/9	5/12	4/12
WL	20.0	12.0	10.0	8.2	6.2	6.4	6.0	6.3
Cake	3/32	1/32	1/32	1/32	1/32	1/32	1/32	1/32
pH	11.0	11.5	11.0	11.0	11.5	12.0	12.0	12.0
Chl	5500	3000	2500	2200	3000	2100	1800	1800
Ca	160	40	40	60	60	40	40	40
LCM	8.0	4.0	6.0	4.0	7.0	6.0	4.0	4.0

Date	12-17 12:00A	12-18 7:30A	12-19 8:00A					
Depth	5869	6100	6338					
WT.	9.0	9.1	9.4					
Vis	51	63	62	KOC WICHTA				
PV	14	18	20	APR 14 2010				
YP	01	20	18	RECEIVED				
GS	5/12	4/12	5/9					
WL	6.4	6.8	8.5					
Cake	1/32	1/32	1/32					
pH	12.0	10.5	10.5					
Chl	1200	2100	2000					
Ca	40	60	60					
LCM	4.0	6.0	7.0					

OPERATOR DOLITE ENERGY CORP LOCATION 1650FNL & 2299FEL
 LEASE BURMEISTER NO. 1-24 SEC. 24 TWP. 33S ANG. 30W
 ELEVATION 2713KB RTD 6500 COUNTY MEADE STATE KANSAS