



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: _____



1095946

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 14-20 R
Doc ID	1095946

All Electric Logs Run

DIL
CNL/CDL
MEL
PE
cbl-sonic



CONSOLIDATED
Oil Well Services, LLC

000330-001250

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # **248311**

Invoice Date: **03/09/2012** Terms: **10/10/30,n/30** Page **1**

ATLAS OPERATING, LLC
15603 KUYKENDAHL, SUITE 200
HOUSTON TX 77090-3655
(281)893-9400

GARDEN CITY 14-20-R
33930
20-228-33W
3-8-2012
KS

Surface
8 5/8"

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	275.00	17.6500	4853.75
1102	CALCIUM CHLORIDE (50#)	776.00	.8900	690.64
1118B	PREMIUM GEL / BENTONITE	517.00	.2500	129.25
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00

Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-576.96
9999-130	CASH DISCOUNT	-267.76

Description	Hours	Unit Price	Total
456 CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
456 EQUIPMENT MILEAGE (ONE WAY)	60.00	5.00	300.00
460 TON MILEAGE DELIVERY	774.00	1.67	1292.58

160015

Amount Due 8877.05 if paid after 04/08/2012

Parts:	5769.64	Freight:	.00	Tax:	386.85	AR	7989.35
Labor:	.00	Misc:	.00	Total:	7989.35		
Sublt:	-844.72	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 33930
LOCATION Oshtemo
FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
620-431-8210 or 800-467-8678

FIELD TICKET & TREATMENT REPORT
CEMENT

KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-8-17	1226	Gardlocity 14-20-R	20	22S	33W	Finnery

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Atlas Operating	456	milos S		
MILING ADDRESS	460	Corey D		

CITY	STATE	ZIP CODE

JOB TYPE Surface HOLE SIZE 12.14 HOLE DEPTH 340' CASING SIZE & WEIGHT 8 5/8
 CASING DEPTH 341' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.7 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT IN CASING 20'
 DISPLACEMENT 20.4 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting on 04/14, Recup and circulate. Mix 275gals
Class 'A' 390cc 290gal. Drop plug and displace 20.4 BALS. & shot in.
Cement did circulate approx 7 BALS to pt.

Thanks Fuzzy & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	1085.00	1085.00
5406	60	MILEAGE	5.00	300.00
5407A	12.9 tow	Tow mileage Delivery	161	1292.58
11043	275 gals	Class 'A' cement	17.62	4853.75
1102	776 #	Calcium chloride	.89	690.64
1188	517 #	Bentonite	.25	129.25
4432	1	8 5/8 wood cup plug	96.00	96.00
		subtotal		8447.22
		less 10% discount		8447.22
		subtotal		7602.50
		SALES TAX		386.85
		ESTIMATED TOTAL		7989.35

248311

AUTHORIZATION [Signature] TITLE Foreman DATE 3-8-17

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

INVOICE

Invoice # **248455**

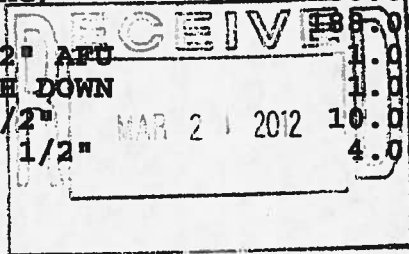
Invoice Date: **03/19/2012** Terms: **10/10/30,n/30** Page **1**

ATLAS OPERATING, LLC
15603 KUYKENDAHL, SUITE 200
HOUSTON TX 77090-3655
(281)893-9400

GARDEN CITY 15.20
33932
20-22S-33W
3-15-2012
KS

Should be 14-20 R
4 1/2" Prod

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	750.00	15.1000	11325.00
1126	OIL WELL CEMENT	200.00	22.5500	4510.00
1104CS	CLASS "C" CEMENT (SALES)	150.00	18.7000	2805.00
1118B	PREMIUM GEL / BENTONITE	5160.00	.2500	1290.00
1110A	KOL SEAL (50# BAG)	4750.00	.5600	2660.00
1107	FLO-SEAL (25#)	238.00	2.8200	530.16
4161	FLOAT SHOE 4 1/2" AFE	1.00	342.0000	342.00
4283	DV TOOL W/ LATCH DOWN	1.00	3850.0000	3850.00
4129	CENTRALIZER 4 1/2"	10.00	46.0000	460.00
4103	CEMENT BASKET 4 1/2"	4.00	261.0000	1044.00



Sublet Performed	Description	Total
9999-130	CASH DISCOUNT	-2881.62
9999-130	CASH DISCOUNT	-819.97

Description	DESCRIPTION	Hours	Unit Price	Total
456	SINGLE PUMP	1.00	3020.00	3020.00
466	TON MILEAGE DELIVERY	2922.00	1.67	4879.74
528	EQUIPMENT MILEAGE (ONE WAY)	60.00	5.00	300.00

AFE # _____
DATE _____ APPROVED _____

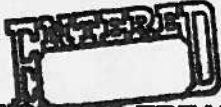
Amount Due 39162.72 if paid after 04/18/2012

Parts:	28816.16	Freight:	.00	Tax:	1932.14	AR	35246.45
Labor:	.00	Misc:	.00	Total:	35246.45		
Sublt:	-3701.59	Supplies:	.00	Change:	.00		

Signed _____ Date _____



CONSOLIDATED
Oil Well Services, LLC



TICKET NUMBER 33932

LOCATION Orley

FOREMAN Fuzzy

PO Box 884, Chanute, KS 66720
820-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

Should be 14-20 R
165

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-15-12	1226	Garden City 15-20	20	22S	23W	Finney

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Atlas Operations LLC MAILING ADDRESS CITY STATE ZIP CODE	456	matias	456	matias
	528	matias		
	566		milos	5
	466	cedy R		

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4898 CASING SIZE & WEIGHT 4 1/2 10.5
 CASING DEPTH 4978 DRILL PIPE _____ TUBING _____ OTHER DU Tool @ 2714
 SLURRY WEIGHT 12.5-13.8 SLURRY VOLL. 1.9-1.42 WATER gal/ok 10.9-6.7 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety marking on U41*7 Float valve Cent. 1, 2.5, 7, 12, 18, 23, 39, 57, 53. Baskets 17, 40, 45, 75. DU Tool *50. Rig up line 1 hr Pump 5 896 water mix 225 sks 6040 82 seal 5* Kol seal, 1/4* Class C. Tail with 200 sks owc 5* Kol seal. Wash pump and hoses Drop pipe and displace 3409L water 44" 896 mud 1500* land @ 1600*. Drop DU Tool with 15 min open tool @ 1000*. Circ 2 hrs. Mix 205 sks MH, Mix 205 sks AH, Mix 475 sks 6040 82 seal 5* Kol seal 1/4* Class C Tail with 150 sks 'C' wash pump and hoses Drop pipe and displace 43 3/4 896 water, 1000* lift 1800* land & close tool. Cement and circ. apply @ 12.5", owc @ 13.8", class C @ 14.8" 50 sks top 1/2

Thanks Fuzzy 4/10/12

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 ⁰⁰	3020 ⁰⁰
5406	60	MILEAGE	5 ⁰⁰	300 ⁰⁰
5407A	48.7 ton	Ton Mileage Delivery	167	4879 24
1131	750 sks	6040 pos	1510	11325 ⁰⁰
1126	200 sks	OWC	2255	4510 ⁰⁰
1104CS	150 sks	Class C	1870	2805 ⁰⁰
1118B	5160	3rd onite	.25	1290 ⁰⁰
1110A	4750*	Kol. seal	.56	2660 ⁰⁰
1107	188*	2k-seal	2 82	530 16
4161	1	4 1/2 - R F U Flood shoe	342 ⁰⁰	342 ⁰⁰
4283	1	4 1/2 - DU Tool w/ lockdown	3850 ⁰⁰	3850 ⁰⁰
4179	10	4 1/2 - Control valves	46 ⁰⁰	460 ⁰⁰
4103	4	4 1/2 - Baskets	261 ⁰⁰	1044 ⁰⁰
		sub total		37015 ⁰⁰
		less 1090 discount		3701 59
		sub total		33314 31
		SALES TAX		1932.14
		ESTIMATED TOTAL		35246 45

Revin 3787 AUTHORIZATION [Signature] TITLE Foreman DATE 3-15-12

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

Sean Deenihan & Saman Sharifaie

Petroleum Geologists

15-055-22120

15-055-22120

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Atlas Operating LLC
 LEASE Garden City #14-20 R
 FIELD Damme
 LOCATION 990' FNL & 370' FWL
 SEC 20 TWSP 22S RGE 33W
 COUNTY Finney STATE Kansas
 CONTRACTOR Val Energy Rig #7
 SPUD 3/07/12 COMP 3/14/12
 RTD 4900' LTD 4898'
 MUD UP 3500' TYPE MUD Chemical

ELEVATIONS

KB 2910'

DF _____

GL 2900'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR _____
 SURFACE 8-5/8" @ 337'
 PRODUCTION 4.5" @ 4890'

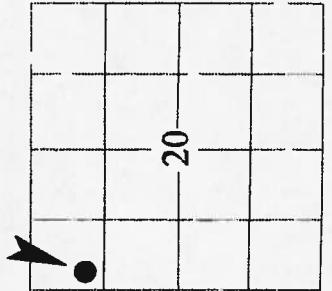
ELECTRICAL SURVEYS

CND DIL, _____
 MICRO _____
 Superior _____

SAMPLES SAVED FROM 3700' TO RTD
 DRILLING TIME KEPT FROM 3700' TO RTD
 SAMPLES EXAMINED FROM 3700' TO RTD
 GEOLOGICAL SUPERVISION FROM 2400'
 REFERENCE WELL GC# 10-20

Formation	Sample Tops	E-log Tops	Struct Pos.
Krider	2552 (+358)	2540 (+370)	
Heebner Shale	3810 (-900)	3808 (-898)	
Lansing	3856 (-946)	3859 (-949)	
Stark Sh.	4196 (-1286)	4194 (-1284)	
Cherokee Sh.	4466 (-1556)	4484 (-1564)	
St. Genevieve	4720 (-1810)	4718 (-1808)	
St. Louis	4760 (-1850)	4764 (-1854)	

Atlas - GC #14-20



20

REMARKS The Garden City #14-20 will be further evaluated through casing based on sample and log analysis.

Respectfully Submitted,

Sean Deenihan

Saman Sharifaie

15-055-22120

Geological Descriptions

Sh, rd, GY gummy soft

Sh, rd, GY br

Sh, rd, GY br, fm

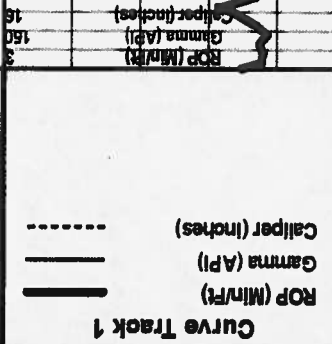
Oil Shows

Lithology

Depth

2300

2350



Curve Track 1

ROP (Min/ft)

Gamma (API)

Caliper (Inches)

ROP (Min/ft)
Gamma (API)
Caliper (Inches)

Sh, rd, GY brn

Sh, rd, GY brn, firm

Sh, wh, vt gr, vp Intgran For, sil chily, hd, n/s

Sh, rd, GY brn,

2400

Sh, cm, wh, vt gr, p Intgran For, rr p.p. vug For, n/s

Sh, GY

Sh, cm, wh, GY vt gr, p Intgran For, rr cong, NVP, n/s

Le, aa

Se, GY vt gr, p Intgran For, abd acc min, shaly, n/s

Se, GY wh, vt gr, p Intgran For, silty, firm, rr unconsolidated sd, n/s

Le, wh, vt gr, sil chily, firm, n/s

Sh, GY fle, rr Le, aa

Sh, GY rd

Kridler 2552 (+358)

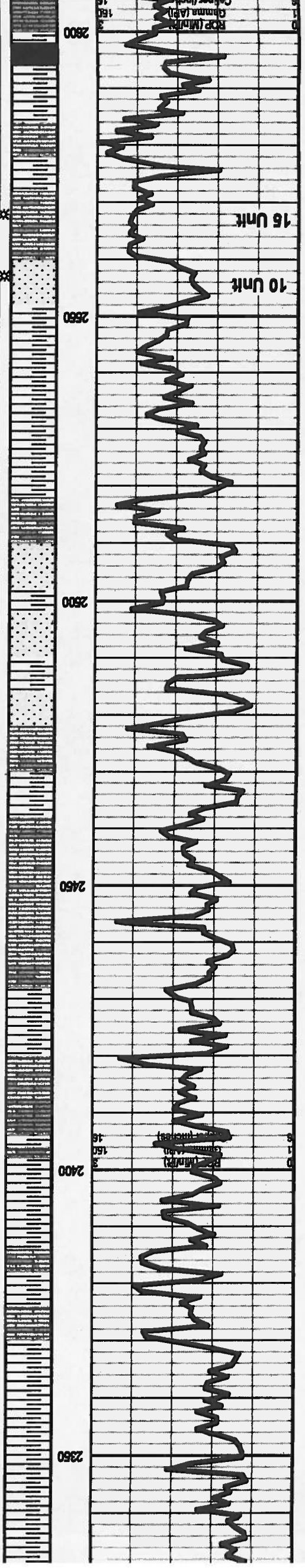
Se, GY, arm, vt gr, silty, Sil show gas upon crush, slow bubble, rr dd O str, v fr odor

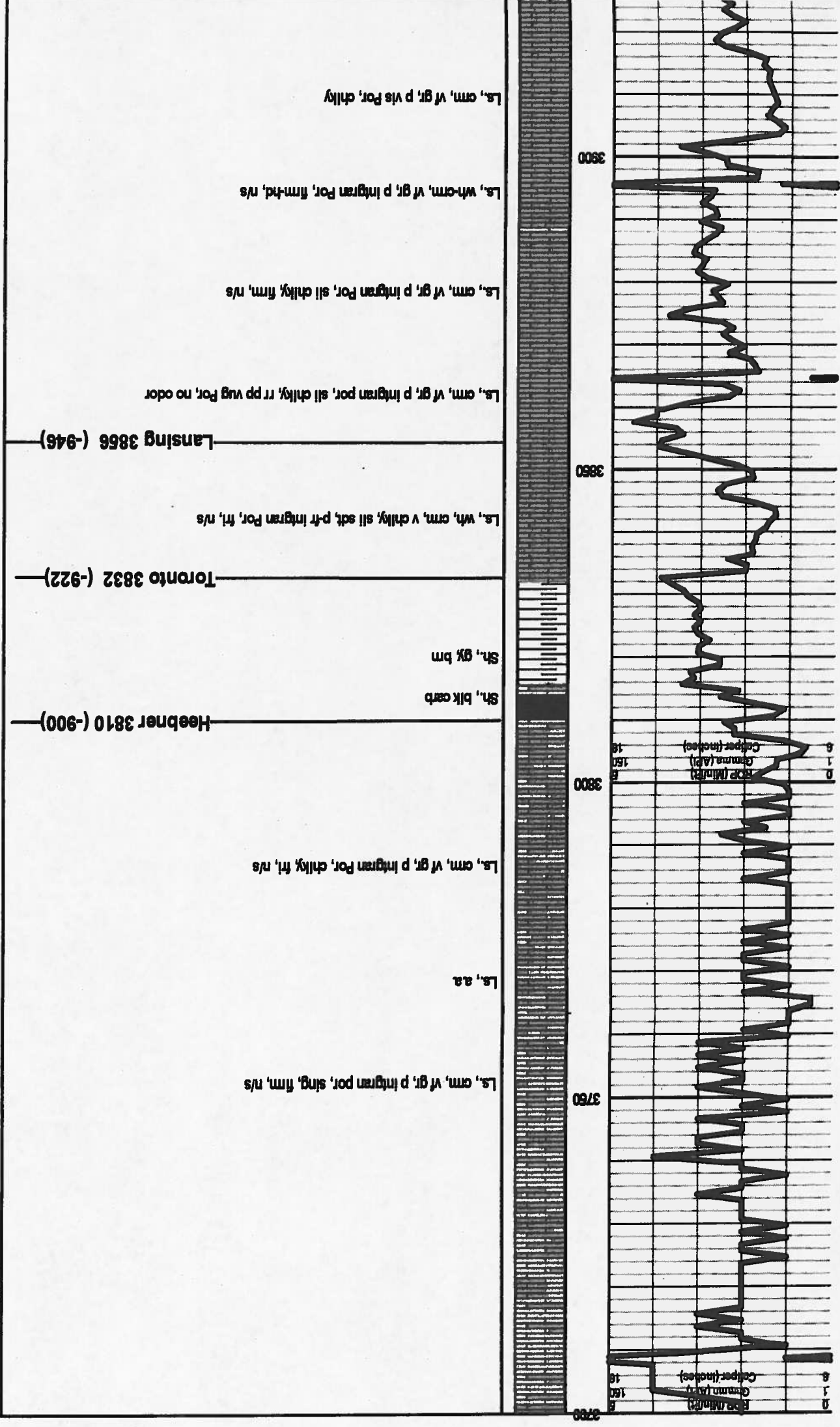
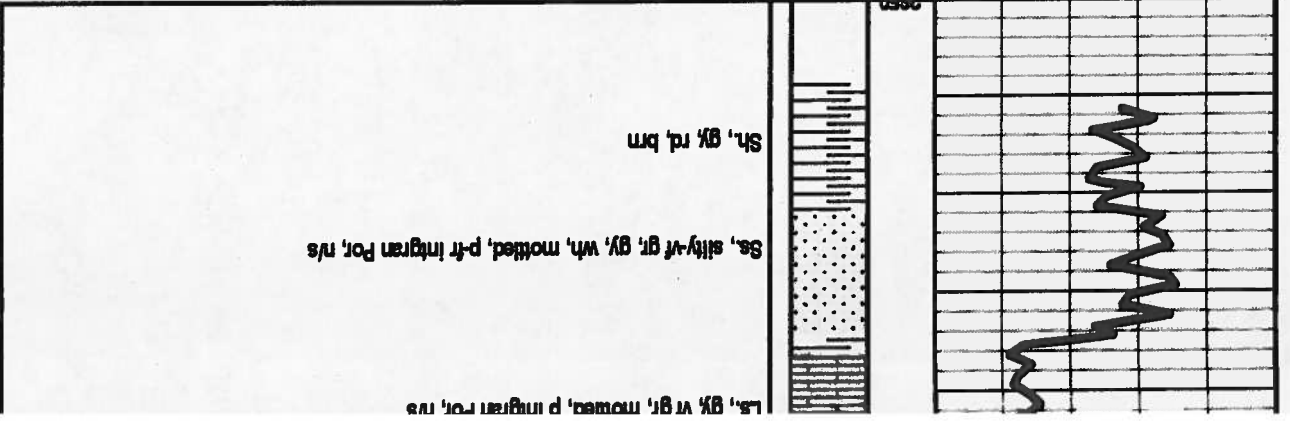
Le, GY, med gr, vt matrix, rr fr Intgran For, sil show of gas, no odor

Sh, GY brn, soft

Le, GY, mottled, vt gr, p Intgran For, hd, n/s

Sh, rd, GY brn, dk GY





MUDCO
Mud @ 3948'
WT: 9.0
Vis: 44
Chl: 2300
LCM #

LS, wh-cm, vf gr, p Intgran Por, firm-hd, n/s

LS, cm, vf gr, p vis Por, chily

LS, cm, vf gr, p Intgran Por, sll chily, slng, fti n/s

LS, s.s.

LS, cm, vf gr, p Intgran Por, fos frag, sll mottled, n/s

LS, cm, vf gr, p Intgran Por, firm-hd n/s

LS, wh, v chily, p vis Por, soft, n/s

LS, cm, tn, xt gr, p Por, hd, n/s

LS, cm, wh, vf gr, v chily, slng, sll dollc, soft, n/s

LS, cm, gy, xt-vf gr, p Intgran Por, firm, n/s

LS, cm, wh, vf gr, sll chily, p Intgran Por, n/s

LS, cm, vf gr, p Intgran Por, sme fos Frag, sll cherty, n/s

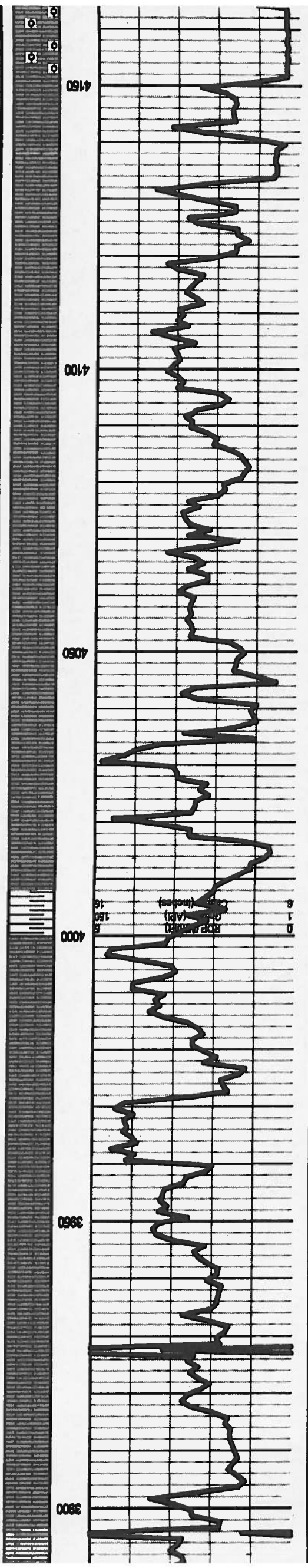
LS, s.s.

LS, cm, vf gr, p Intgran Por, firm, n/s

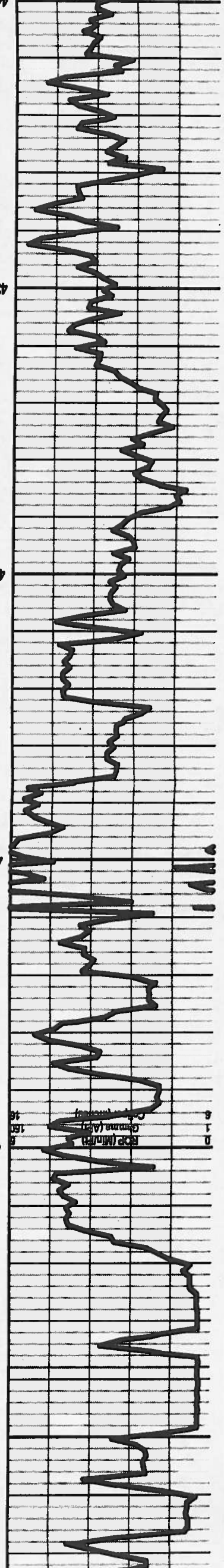
LS, s.s. Inc. Chl, n/s

LS, wh, chily, r Ool, Fr Oom Por, n/s

LS, cm, tn, Ool, fr-gd Oom Por, fti, bright Fluor, sll gassy Odr?, no stain



4400
4350
4300
4250
4200
4150



ls., wh, chily, r Ool, Fr Oom Por, n/s

ls., cm, tn, Ool., fr-gd Oom Por, trl, bright Fluor, all gassy Odr?, no stain

ls. arm, Ool., fr-gd Oom Por, trl, all dollc, brittle, fluor, no odor

ls., wh, arm, vf gr, sing, p Intgran Por, firm-hd.

Stark Sh 4196 (-1286)

Sh., blk

ls., tn, Ool, fr-gd Ool Por, trl, n/s

ls., cm, vf gr, tr Intgran Por, all chily, shaly, n/s

Hushpuckney Sh 4239 (-1329)

Sh., blk

ls., cm, vf, gr, p Por, hd, n/s

ls., cm, wh, f gr, gran, p Por, chily, n/s

ls., cm, wh, vf gr, p Intgran por, dense, n/s

ls., sa

ls., cm, vf gr, p Intgran Por, p-occl tr vug Por, all show free Oil, fr odor

Chl, gy, sharp

ls., cm, vf gr, chily, p Intgran Por, trl, n/s

ls., cm, vf gr, all chily, v all str, NSFO, no odor

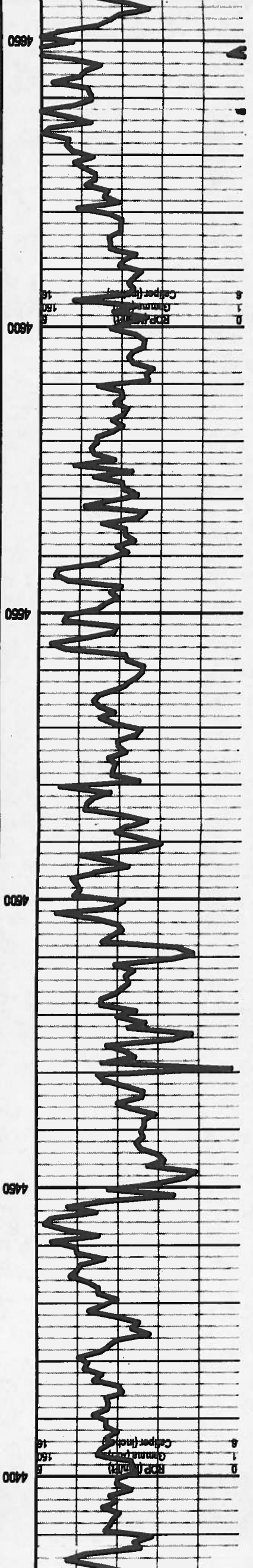
BKC 4342 (-1432)

Sh., gy, firm

ls., cm, xl gr, fos Frag, NVP hd

ls., cm, tn, vf gr, fos frag, fr Indos Por, p Intgran Por, all chily, all Pyr, no fluor, no odor

ls., cm, vf gr, all sdy, ooc fos, firm, n/s



Ls., crm, v/ gr, all sdy, occ fos, firm, n/s

Sh., gy

Ls., tr, gy v shaly, mottled, firm-hd, n/s

Sh., gy-dk gy, brn

Ls., GryTan-Sing-Crypto-xn-cherly, n/s

Sh., Bk

Ls., crm-tan, v/ gr, all fluor, all show, no odor

Sh., blk-dk gry, v/ gr, all show, no odor

Ls., wht to crm, orange blk, cryto-xn, no odor

Sh., Dk Gry; Gry, Argill and Bk

Ls., gy/tr, Sing, Dense, Firm, all chily, n/s

Sh., Dk Gry to Bk, Abund. of vert-color

Ls., Lt crm to Gry, v/ gr, p For, n/s

Ls., gy-Tan, Sing, Dense, f gr, p For, n/s

MUDCO
Mud @ 4443'
WT: 9.0
Vis: 59
Chl: 2000
LCM 5#

RTD: 4900'
1 TD: 4898'

Abund. of vari-color Sh.
Ls., orn to gry and green, Cryto-xln, Trc. of poor Fssil to sill-ool Por. Chalky-Scatt

Chert-Wht to Clr

Chert-Gry/Tan-Fresh to all weath. Lt. Gry to Gry Chalky Ls. No show

Ls., orn, vt gr, sll Pyr, P Intgran Por, sll chily, frac, no odor

Ls., orn, vt gr, firm, dnse, scaly, p Por, n/s

Ls., sa

Ls., orn, xt gr, firm-hd, p Por, chily lP, n/s

Ls., orn, bn, vt gr, p Intgran Por, firm, rr Ostr, NSFO, no fluor

Ls., orn, vt gr, micro fos, fos frags, p-fr Intos Por, SSFO, rr str, sll odt, sll fluor

Ls., orn, gy, sme chry, p Intgran Por, pred chily, firm, n/s

Ls., wh, gy, sme chry, p Intgran Por, firm, SSFO, v ft odt, sll fluor

St. Louis 4764 (-1864)

Ls., orn, wh, chily, vt gr, p Intgran Por, n/s

Ls., wh-gy, silty, frt, p Intgran Por, ooc gas bubble, rr sdy Cong-NVR, no fluor

Ls., wh, lt gm, silty, sll glauc lP, frt, n/s

St. Gen 4720 (-1810)

Sh., blk bm, gm, gy

Sh., blk bm, gy

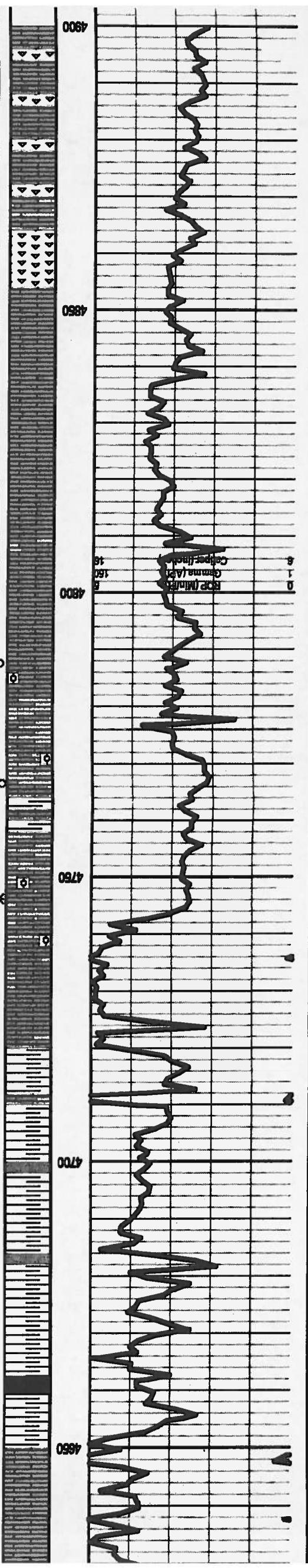
Sh., blk bm, gy

Sh., gy, blk, bm

Morrow Sh. 4670 (-1760)

Sh., gy, blk

Ls., gy-Tan, Sing, Dense, f gr, p Por, n/s



MUDCO
Mud @ 4865'
WT: 9.1
Vis: 62
Chl: 1800
LCM 7#