





1100368

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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Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 17-20
Doc ID	1100368

All Electric Logs Run

Dual Induction log
Compensated Neutron- Density
Microlog
Cbl



PO Box 93999  
Southlake, TX 76092

Voice: (817) 546-7282  
Fax: (817) 246-3361

344448  
344753

# INVOICE

Invoice Number: 131990  
Invoice Date: Jul 17, 2012  
Page: 1



RECEIVED AUG 02 2012

**Bill To:**  
Atlas Operating  
15603 Kuykendahl Suite #200  
Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #17-20 ✓	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jul 17, 2012	8/16/12

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Class A Common	16.25	3,656.25
4.00	MAT	Gel	21.25	85.00
8.00	MAT	Chloride	58.20	465.60
243.80	SER	Cubic Feet	2.10	510.93
832.50	SER	Ton Mileage	2.35	1,956.38
1.00	SER	Surface	1,125.00	1,125.00
29.53	SER	Extra Footage	0.95	28.05
75.00	SER	Pump Truck Mileage	7.00	525.00
1.00	SER	Manifold Head Rental	200.00	200.00
75.00	SER	Light Vehicle Mileage	4.00	300.00
1.00	EQP	8.5/8 Surface Wooden Plug	92.00	92.00
1.00	CEMENTER	Darren Racette		
1.00	EQUIP OPER	Tyler Flipse		
1.00	OPER ASSIST	Ethan Glassman		

Cement  
~~170~~ 1600  
EA  
8/7/12

8 5/8 Surface

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$2836.05

ONLY IF PAID ON OR BEFORE  
**Aug 11, 2012**

Subtotal	8,944.21
Sales Tax	320.26
Total Invoice Amount	9,264.47
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,264.47</b>





34567  
346059

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 132187  
Invoice Date: Aug 2, 2012  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361

<b>Bill To:</b>
Atlas Operating 15603 Kuykendahl Suite #200 Houston, TX 77090-3655

RECEIVED " " 2 0 2012



Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #17-20	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 2, 2012	9/1/12

Quantity	Item	Description	Unit Price	Amount
4.00	MAT	Gel - No Charge		
200.00	MAT	ASC	19.00	3,800.00
200.00	MAT	Lightweight Type II	14.50	2,900.00
19.00	MAT	Salt - No Charge		
1,000.00	MAT	Gilsonite	0.89	890.00
50.00	MAT	Flo Seal	2.70	135.00
500.00	MAT	Super Flush	1.27	635.00
5.00	SER	Waiting Time	300.00	1,500.00
480.95	SER	Cubic Feet	2.10	1,010.00
1,533.02	SER	Ton Mileage	2.35	3,602.60
1.00	SER	Production -- Bottom Stage	2,405.00	2,405.00
75.00	SER	Pump Truck Mileage	7.00	525.00
1.00	SER	Manifold Head Rental	200.00	200.00
75.00	SER	Light Vehicle Mileage	4.00	300.00
1.00	EQP	4.5 D V Tool	3,187.00	3,187.00
1.00	EQP	4.5 AFU Float Shoe	327.00	327.00
1.00	EQP	4.5 Latch Down Plug	233.00	233.00
2.00	EQP	4.5 Basket	270.00	540.00
11.00	EQP	4.5 Centralizer	48.00	528.00
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Dane Retzloff		

Cement

160015

E.A  
8/22/12

4 1/2 Prod

1st stage

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
<b>TOTAL</b>	<b>Continued</b>

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ \_\_\_\_\_

ONLY IF PAID ON OR BEFORE  
Aug 27, 2012

PO Box 93999  
Southlake, TX 76092

Invoice Number: 132187  
Invoice Date: Aug 2, 2012  
Page: 2

Voice: (817) 546-7282  
Fax: (817) 246-3361



<b>Bill To:</b>
Atlas Operating 15603 Kuykendahl Suite #200 Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #17-20	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 2, 2012	9/1/12

Quantity	Item	Description	Unit Price	Amount
1.00	OPER ASSIST	Chris Helpingstine		
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Jeremy Sterger		

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 5401.06

ONLY IF PAID ON OR BEFORE  
Aug 27, 2012

Subtotal	22,717.60
Sales Tax	981.54
Total Invoice Amount	23,699.14
Payment/Credit Applied	
<b>TOTAL</b>	<b>23,699.14</b>







3456024  
346058

# INVOICE

PO Box 93999  
Southlake, TX 76092

Invoice Number: 132188  
Invoice Date: Aug 2, 2012  
Page: 1

Voice: (817) 546-7282  
Fax: (817) 246-3361



RECEIVED 111L 2 0 2012

<b>Bill To:</b>
Atlas Operating 15603 Kuykendahl Suite #200 Houston, TX 77090-3655

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Atlas	Garden City #17-20 ✓	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Aug 2, 2012	9/1/12

Quantity	Item	Description	Unit Price	Amount
150.00	MAT	Class C Premium Plus	22.15	3,322.50
600.00	MAT	Lightweight Type II	14.50	8,700.00
3,000.00	MAT	Gilsonite	0.89	2,670.00
150.00	MAT	Flo Seal	2.70	405.00
868.80	SER	Cubic Feet	2.10	1,824.48
2,736.75	SER	Ton Mileage	2.35	6,431.36
1.00	SER	Production - Top Stage - No Charge		
1.00	CEMENTER	LaRene Wentz		
1.00	EQUIP OPER	Dane Retzliff		
1.00	OPER ASSIST	Chris Helpingstine		
1.00	OPER ASSIST	Adam Holcomb		
1.00	OPER ASSIST	Jeremy Sterger		

Cementing  
100015

EA  
8/22/12

4 1/2 Prod -  
2nd stage

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 4670.78

ONLY IF PAID ON OR BEFORE  
Aug 27, 2012

Subtotal	23,353.34
Sales Tax	1,124.76
Total Invoice Amount	24,478.10
Payment/Credit Applied	
<b>TOTAL</b>	<b>24,478.10</b>

# ALLIED CEMENTING CO., LLC. 034521 K

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Dakota, KS

DATE <u>8-2-12</u>	SEC. <u>20</u>	TWP. <u>22</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>11:00 AM</u>	JOB START <u>11:00 AM</u>	JOB FINISH <u>12:00 PM</u>
LEASE <u>Sardona City</u>	WELL # <u>17-20</u>	LOCATION <u>Trudis St. Barlow Rd</u>		COUNTY <u>Finney</u>	STATE <u>KS</u>		
OLD OR NEW (Circle one) <u>NEW</u>				<u>5' x 20', 5' x E into</u>		<u>1-02</u>	<u>745</u>

CONTRACTOR Pruicer #2

TYPE OF JOB Production Top stop

HOLE SIZE 7 1/2" T.D. 4921'

CASING SIZE 4 1/2" DEPTH 4703.13'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DU DEPTH 2686.96'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 4 1/2"

CEMENT LEFT IN CSG. NA

PERFS.

DISPLACEMENT 42.71

OWNER Same

CEMENT AMOUNT ORDERED 600 SK Lite 150 SK seal

500 gals water - 150 SK Class C

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GBL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Lakona

# 431 HELPER Dave Retzlaff

BULK TRUCK # 386/310 DRIVER Chris Helpingstone

BULK TRUCK # 378/308 DRIVER Adam Holcomb

396/306 Jeremy Stenger

<u>Class C 150 SK</u>	@	<u>22.15</u>	<u>3322.50</u>
<u>Lite Type 600 SK</u>	@	<u>14.50</u>	<u>8700.00</u>
<u>gilsomite 2000#</u>	@	<u>.89</u>	<u>2670.00</u>
<u>Pb seal 150#</u>	@	<u>2.70</u>	<u>405.00</u>
<u>HANDLING 2686.96'</u>	@	<u>2.10</u>	<u>1824.80</u>
<u>MILEAGE 36.8 hours @ 75x</u>	@	<u>2.55</u>	<u>6484.36</u>
<u>2734.75</u>			<u>TOTAL 23353.94</u>

REMARKS:

plug refuse 30 SK pump water

space. Mix 575 SK Lite, Mix

150 SK Class C. Release plug.

Displace with water

band plug 2000. # float held

cement d/b circulate.

Thank you

SERVICE

DEPTH OF JOB 2686.96'

PUMP TRUCK CHARGE NC

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 29 @ \_\_\_\_\_

MANIFOLD 75 @ \_\_\_\_\_

TOTAL NC

CHARGE TO: Atlas Operating LLC

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 1124.76

TOTAL CHARGES 23,353.94

DISCOUNT 10% 4670.78 AID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE Edward Hamed

Bid 20/20/20/45

# Saman Sharifaie

## Petroleum Geologist

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Atlas Operating, LLC  
 LEASE Garden #17-20  
 FIELD Darome  
 LOCATION 1650' FNL & 990' FEL  
 SEC 20 TWP 22S RGE 33W  
 COUNTY Finney STATE Kansas  
 CONTRACTOR Pioneer Drilling #2  
 SPUD 07/18/12 COMP 07/31/12  
 RTD 4888' LTD 4912'  
 MUD UP 3500' TYPE MUD Chemical  
 SAMPLES SAVED FROM 3900' TO RTD  
 DRILLING TIME KEPT FROM 3650' TO RTD  
 SAMPLES EXAMINED FROM 3900' TO RTD  
 GEOLOGICAL SUPERVISION FROM 3800'  
 REFERENCE WELL Garden City #1-20

#### ELEVATIONS

KB 2892'  
 DF \_\_\_\_\_  
 GL 2884'

Measurements Are All  
From Kelly Bushing

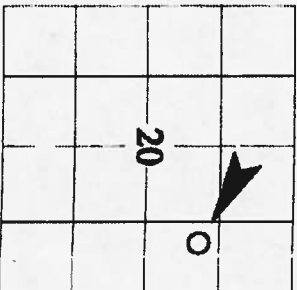
#### CASING

CONDUCTOR \_\_\_\_\_  
 SURFACE 8-5/8" at 343'  
 PRODUCTION 4-1/2" at 4912'

#### ELECTRICAL SURVEYS CND; DIL; MEL

Pioneer

Formation	Sample Tops	E-log Tops	Struct Poa.
Heebner Shale	3798 (-906)	3798 (-906)	-7
Lansing	3836 (-944)	3840 (-948)	-9
BKC	4300 (-1408)	4307 (-1415)	-7
Pawnee	4402 (-1510)	4410 (-1518)	-11
Ft Scott	4429 (-1537)	4436 (-1544)	-11
Cherokee	4446 (-1554)	4454 (-1562)	-10
Morrow Sh	4638 (-1746)	4638 (-1746)	-4
St Genevieve	4667 (-1775)	4677 (-1885)	-15
St Louis	4734 (-1842)	4727 (-1835)	+2



REMARKS Due to oil shows in multiple pay zones it is recommended and agreed upon that production casing be set to further evaluate this well.

Respectfully Submitted,

API #15-055-22169

Saman Sharifaie  
Petroleum Geologist

#### Engineering Data

TG (Units) \_\_\_\_\_  
 C1 (units) \_\_\_\_\_  
 C2 (units) \_\_\_\_\_  
 C3 (units) \_\_\_\_\_  
 C4 (units) \_\_\_\_\_  
 C5 (units) \_\_\_\_\_

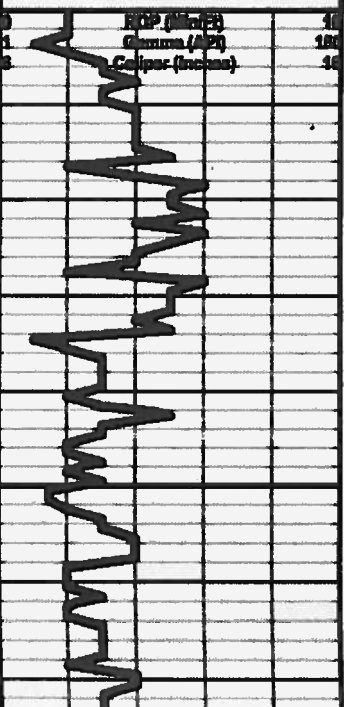
#### Geological Descriptions

log depth

depth

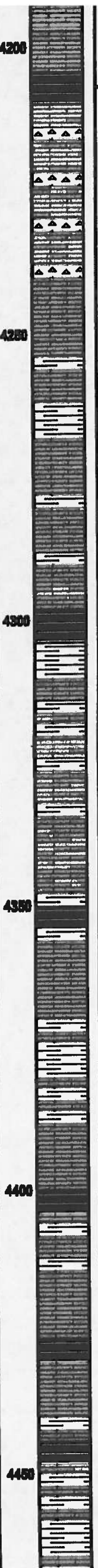
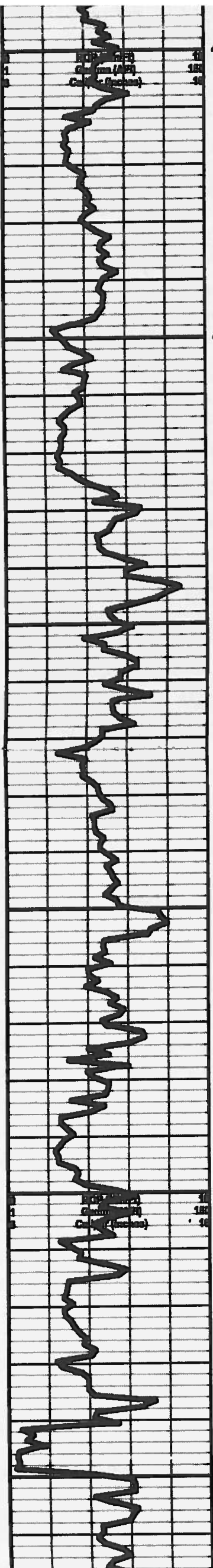
#### Curve Track 1

ROP (Min/Ft) \_\_\_\_\_  
 Gamma (API) \_\_\_\_\_  
 Calliper (Inches) \_\_\_\_\_









**4200**

**Sh., blk carb** **KC "B" 4207 (-1315)**

La., tan/bn, mott, med gr, abund Col, fesi por, Tr Cht, Tr pyr, ang, brcc, no odr, Tr fluor, n/s

La., s.s

**4250**

**Sh., varic, silty**

**KC "C" 4273 (-1381)**

La., crm/bn/gry, silty to mott, f to microsdn, frac por, fesi, brcc, sub-chky, sil G odr, n/s

**4300**

**Sh., blk carb**

**BKC 4300 (-1408)**

Sh., varic, silty to chky, fra

La., crm/bn, silty, vf gr, frac por, fesi, glauc, Tr Cht, sil G odr, n/s

La., s.s, sil mott, incr fesi

**4350**

**Sh., blk carb**

La., tan, mott, fesi, ang, n/s

**Sh., varic, silty**

**4400**

**Pawnee 4402 (-1510)**

**Sh., blk carb**

La., crm/bn, mott, fesi por, chky IP, pyr IP, n/s

**4450**

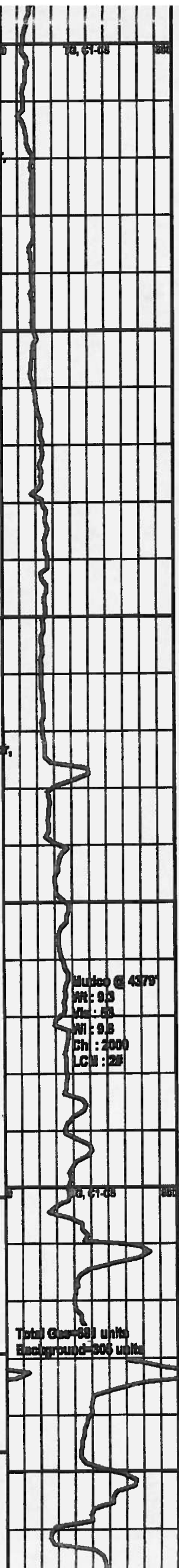
**Sh., blk carb** **Ft Scott 4429 (-1537)**

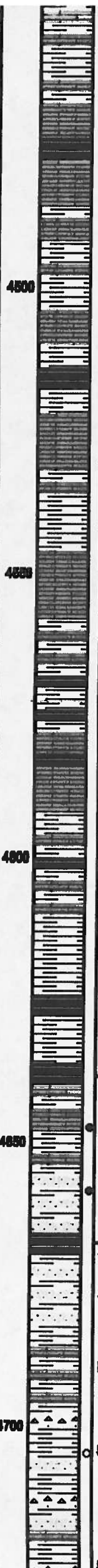
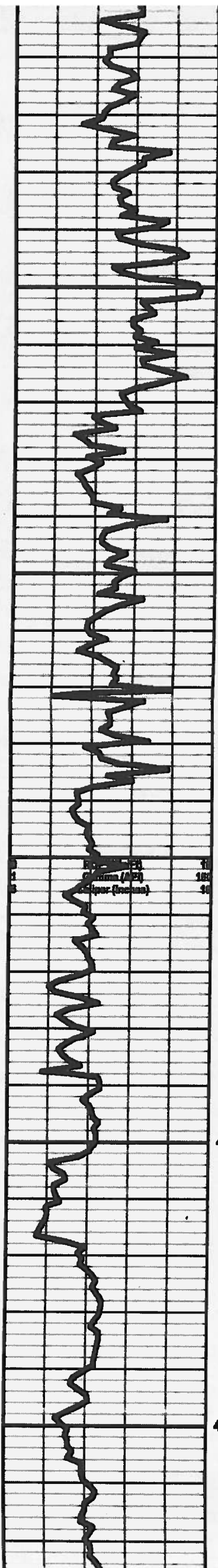
La., s.s, chky IP, r G Bubs

**Cherokee 4446 (-1554)**

**Sh., blk carb**

**Sh., varic, fra to argil**





Sh., varic, fra to argil

Sh., blk carb

La., crm/tan, med, f gr, intgran & frac por, fecal, sub-chky, n/s

4500 Sh., varic, silty

Sh., blk carb

La., crm/tan, sing, f to microdn, n/s

Sh., gry, silty

4600 La., crm/tan, sing, med gr, intgran por, endy, Tr Cht, n/s

Sh., varic/blk carb, silty

La., s.s.

4650 Sh., varic

Sh., varic/blk carb, fra

Sh., blk carb

**Morrow Sh 4638 (-1746)**

Sh., blk carb

La., tan, sing, f gr, intgran & fecal por, vuggy, Tr gils str, gd out fluor, fr SFO

4680 SS., blk/whit, f gr, rmd, intgran por, gn spkd, Tr Cht, O std, sil odr, fluor, SLFO

**St Genevieve 4667 (-1775)**

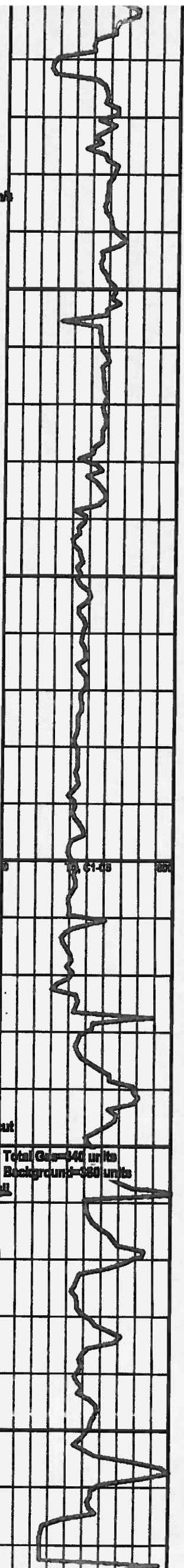
Sh., blk carb

SS., s.s., gd SLFO

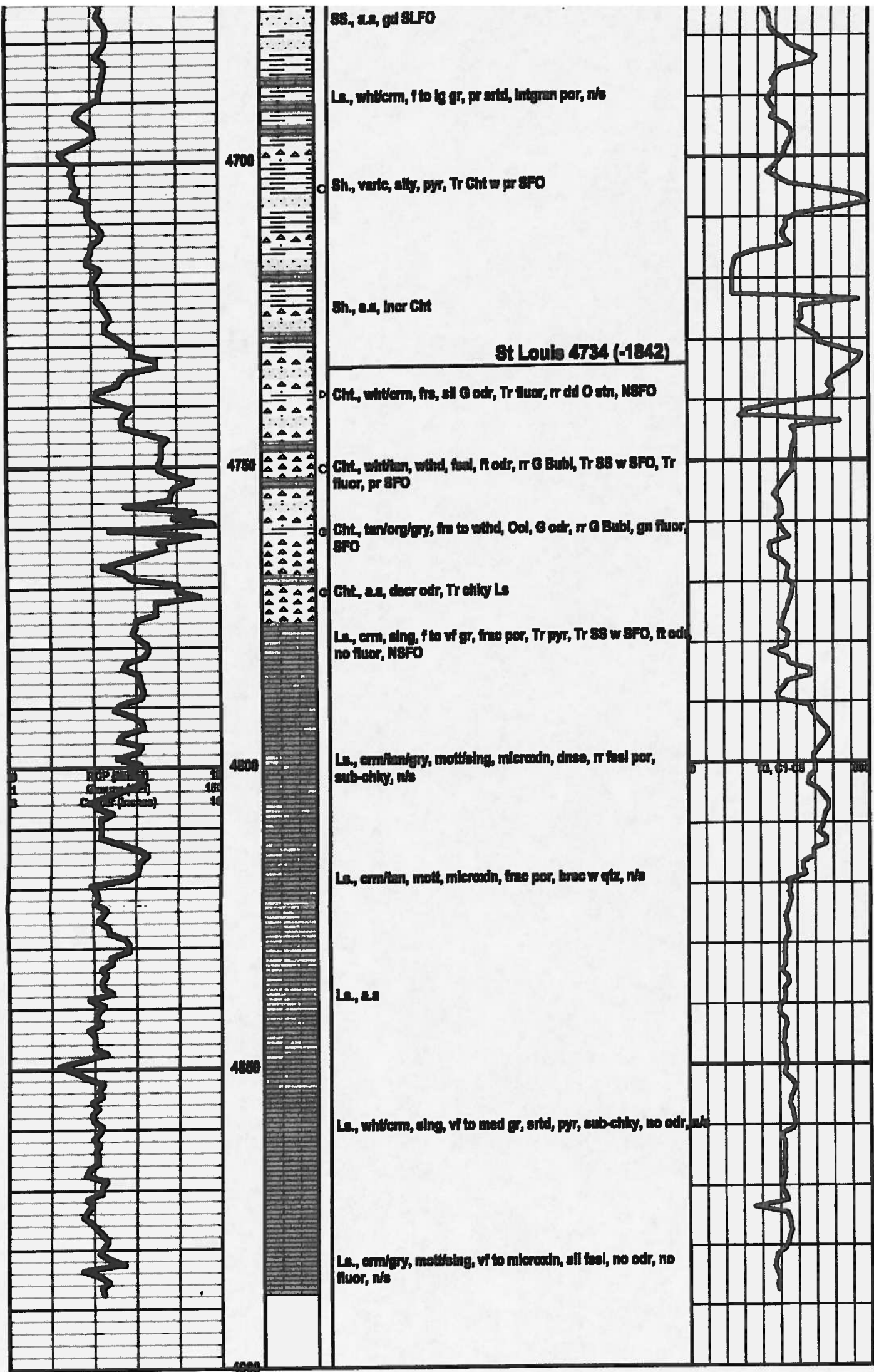
La., whit/crm, f to lg gr, pr strd, intgran por, n/s

4700 Sh., varic, silty, pyr, Tr Cht w pr SFO

Sh., s.s. Incr Cht



Total Gas - 440 units  
Background - 380 units



SS., s.s. gd SLFO

Ls., wht/crm, f to lg gr, pr srted, intgran por, n/s

4700

C Sh., varic, silty, pyr, Tr Cht w pr SFO

Sh., s.s. Incr Cht

**St Louis 4734 (-1842)**

D Cht., wht/crm, fra, sil G odr, Tr fluor, rr dd O str, NSFO

4750

C Cht., wht/crm, whtd, fsal, ft odr, rr G Bubl, Tr SS w SFO, Tr fluor, pr SFO

C Cht., tan/org/gry, fra to whtd, Ool, G odr, rr G Bubl, gn fluor, SFO

C Cht., s.s. decr odr, Tr chky Ls

Ls., crm, sing, f to vf gr, frac por, Tr pyr, Tr SS w SFO, ft odr, no fluor, NSFO

4800

Ls., crm/tan/gry, mott/sing, microxdn, dnss, rr fsal por, sub-chky, n/s

Ls., crm/tan, mott, microxdn, frac por, brcc w qtz, n/s

Ls., s.s.

4850

Ls., wht/crm, sing, vf to med gr, srted, pyr, sub-chky, no odr, n/s

Ls., crm/gry, mott/sing, vf to microxdn, all fsal, no odr, no fluor, n/s

4900

RSP (mV) 10  
 C (ohm-cm) 100  
 C (ohm-cm) 10

10, C1-45