

**Falcon Exploration, Inc.
Sherlyn Koehn No. 1-31 (SW)
1700' FSL & 2000' FWL
NW SE NE SW
Sec 31 T28S R30W
Gray County, Kansas**

Geological Report
by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name:	Sherlyn Koehn No. 1-31 (SW)	
Surface Location:	Sec 31 T28S R30W	
Bottom Location:	1700' FSL and 2000' FWL	
API:	15-069-20399	
License Number:	5316	
Spud Date:	10/3/2012	Time: 5:00 PM
Region:	Gray County, Kansas	
Drilling Completed:	10/12/2012	Time: 5:41 AM
Surface Coordinates:		
Bottom Hole Coordinates:		
Ground Elevation:	2829.00ft	
K.B. Elevation:	2842.00ft	
Logged Interval:	2600.00ft	To: 5519.00ft
Total Depth:	5520.00ft	
Formation:	Mississippi	
Drilling Fluid Type:	Chemical/Fresh Water Gel	

OPERATOR

Company:	Falcon Exploration, Inc.	
Address:	125 North Market Wichita, Kansas 67202	
Contact Geologist:	Brian Fisher	
Contact Phone Nbr:	316-262-1378	
Well Name:	Sherlyn Koehn No. 1-31 (SW)	
Location:	Sec 31 T28S R30W	API: 15-069-20399
Pool:	Oil, Gas	Field: Wildcat
State:	Kansas	Country: Gray

CONTRACTOR

Contractor: Sterling Drilling
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 10/3/2012
 TD Date: 10/12/2012
 Rig Release: 10/13/2012

Time: 5:00 PM
 Time: 5:41 AM
 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 2842.00ft
 K.B. to Ground: 13.00ft

Ground Elevation: 2829.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 100.54528
 N/S Co-ord:
 E/W Co-ord:

Latitude: 37.64785

NOTES

Date	Depth	Activity
10-03-12	MIRU	Spud at 5 pm
10-04-12	840	Drilling
10-05-12	1874	ST to CH
10-06-12	1874	WOC
10-07-12	3402	Drilling
10-08-12	4570	Drilling
10-09-12	4887	Drilling
10-10-12	5190	TOH for DST No. 1
10-11-12	5235	CFS
10-12-12	5520	STTCH for Log
10-13-12	5520	Set 5 1/2"

Surface Casing: 8 5/8" 24# at 1870'
 Production Casing: 5 1/2" 15.5# @ 5519'

Deviation: 1870' - 3/4°, 4777' - 1 1/4°, 5190' - 2°, 5520' - 1 1/4°

Bit Record:	Size	Make	Type	Depth In	Depth Out	Hours
	7 7/8"	Smith	MI616	1874	4777	43 1/4
	7 7/8"	JZ	HA20Q	4777	5520	47 3/4

Drill Stem Tests:

DST No. 1 5148 to 5190 Formation: Morrow Sand
 5-90-75-150

Recovery: 2980' GIP

160' G,HMCO (4%G, 42%M, 54%O - 25° gravity)
 120' C,SW&MCO (3%G, 1%W, 5%M, 91%O)
 180' G,SW,HMCO (6%G, 19%W, 35%M, 40%O)
 60' G,SO&MCW (2%G, 13%O, 18%M, 67%W - chl 109,000 ppm)
 Mud chlorides before test on 10-10-12 700 ppm
 Mud chlorides after test on 10-11-12 1600 ppm

IHP 2431 FHP 2416
 IFP 91-123 FFP 122-211
 ISIP 1438 FSIP 1412
 Temp 125°

Formation	Sample	E-Log	Datum	Well 1
Chase	2692	2692	+150	0
Winfield	2766	2764	+78	+2
Towanda	2808	2812	+30	-4
Fort Riley	2858	2860	-18	-2

Fort Riley	2858	2880	-18	-2
Cottonwood	3144	3142	-300	+2
Neva	3189	3191	-349	-2
Foracker	3300	3303	-461	-3
Stotler	3550	3544	-702	-2
Tarkio	3613	3611	-769	+9
Topeka	3820	3817	-975	-5
LeCompton	4024	4023	-1181	-5
Heebner	4157	4154	-1312	-2
Toronto	4176	4173	-1332	-4
Douglas	4202	4197	-1355	-2
Iatan	4259	4254	-1412	-4
Lansing	4269	4264	-1422	-4
Stark	4662	4654	-1812	-4
Swope	4671	4663	-1821	-5
Marmaton	4777	4776	-1934	0
Pawnee	4880	4877	-2035	-11
Labette Shale	4911	4909	-2067	-9
Cherokee Shale	4927	4926	-2084	-10
Morrow Shale	5152	5148	-2306	-12
Morrow Sand	5175	5172	-2330	-10
Miss-Chester	5224	5237	-2395	-21
Saint Gen	5302	5302	-2460	-15
Saint Louis	5376	5373	-2531	-16
Saint Louis Porosity	5427	5425	-2583	-23
Total Depth	5520	5519	-2677	

Reference Well No. 1: Falcon Exploration, Inc. James Koehn No. 1-31 (NW) E2 SW SE NW Sec 31 T28S R30W

Pipe was set to further test the Morrow Sand zone.

Respectfully submitted,
Macklin M. Armstrong

ROCK TYPES

 Lmst fw7>	 shale, gry	 shale, red
 shale, grn	 Carbon Sh	 Ss

ACCESSORIES

FOSSIL

- F Fossils < 20%
- ⊕ Oolite
- ⊕ Oomoldic

STRINGER

-  Sandstone
-  Siltstone

TEXTURE

- C Chalky

OTHER SYMBOLS

DST

-  DST Int
-  DST alt
-  Core

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

Curve Track #1				TG, C1 - C5				
ROP (min/ft)	Gamma (API)	Cal (in)	Depth Intervals	DST	Lithology	Oil Show	Geological Descriptions	Total Gas (units)
								C1 (units)
								C2 (units)
								C3 (units)
								C4 (units)
1:240 Imperial	1:240 Imperial	1:240 Imperial						1:240 Imperial
0	ROP (min/ft)	10						0 Total Gas (units) 150
0	Gamma (API)	150						0 C1 (units) 150
6	Cal (in)	16						0 C2 (units) 150
								0 C3 (units) 150
								0 C4 (units) 150

Falcon Exploration, Inc
Sherlyn Koehn No. 1-31 (SW)
1700' FSL & 2000' FWL
NW SE NE SW
Sec 31 T28S R30W
Gray County, Kansas

GL 2829 KB 2842

2520
2540
2560
2580
2600
2620
2640
2660
2680
2700
2720

0 ROP (min/ft) 10
 0 Gamma (API) 150
 6 Cal (in) 16

Mud Program:
 Mud-Co Service Mud
 Chemical Gel
 and Premix

Testing:
 Diamond Testing

Gas Detector:
 Sterling Drilling

Sample Cuttings:
 KGS Well Sample
 Library

0	Total Gas (units)	150
0	C1 (units)	150
0	C2 (units)	150
0	C3 (units)	150
0	C4 (units)	150

Electric Logs:
 Pioneer Engery
 Sevcies
 DIL
 CNL/CDL
 MEL
 Sonic

Deviation:
 1870' - 3/4°
 4777' - 1 1/4°
 5190' - 2°
 5520' - 1 1/4°

-----Chase 2692 +150-----

All formation tops on
 this geo log have been
 correlated back to the
 e-log for accuracy

2740
2760
2780
2800
2820
2840
2860
2880
2900
2920
2940

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

-----Winfield 2766 +76-----

-----Towanda 2808 +34-----

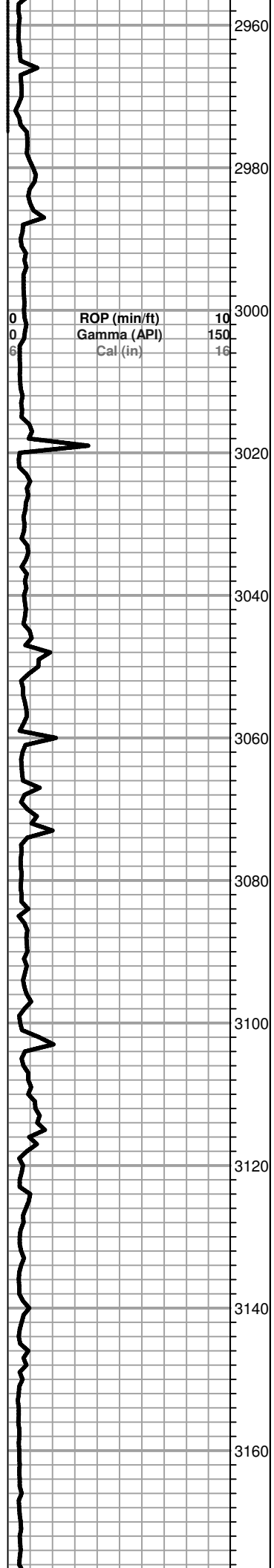
-----Fort Riley 2858 -16-----

Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

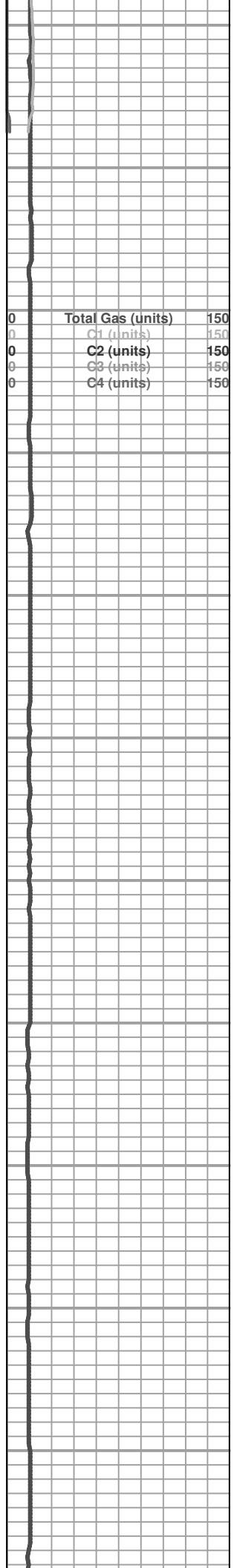
No samples collected
from 2920 to 3403

2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
3160

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16

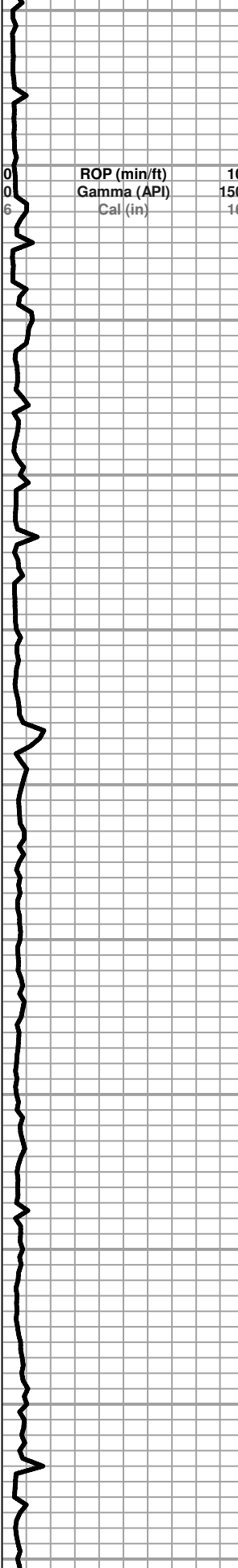


0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150



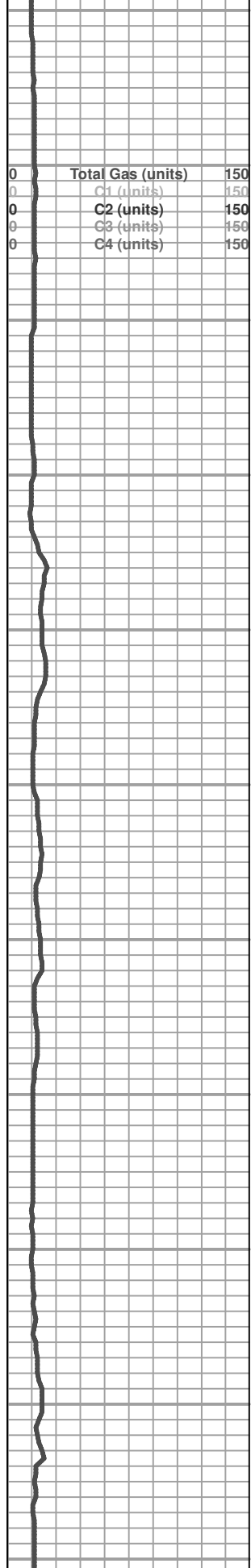
-----Cottonwood 3144 -302-----

3180
3200
3220
3240
3260
3280
3300
3320
3340
3360
3380

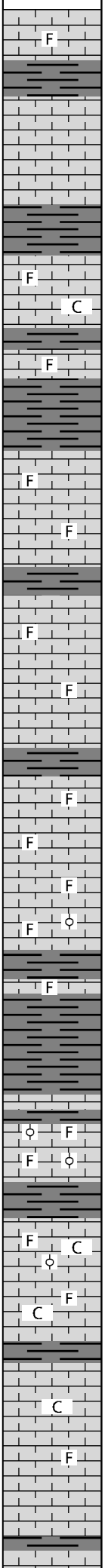
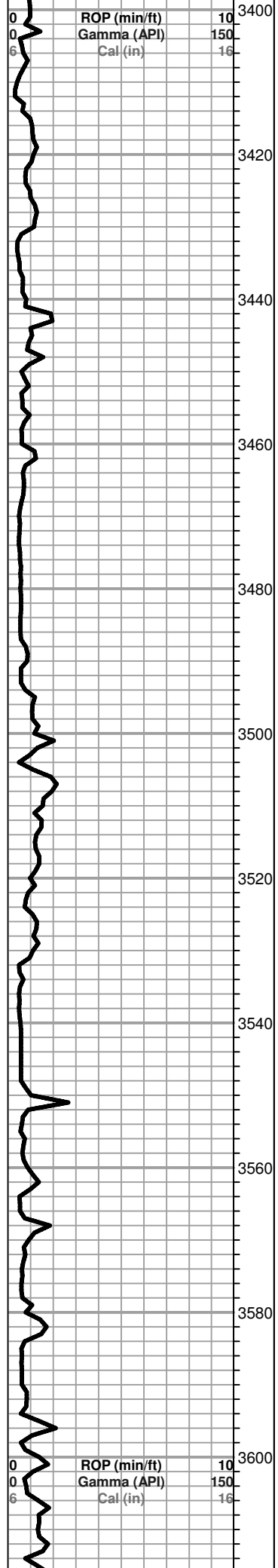


-----Neva 3189 -347-----

-----Foraker 3300 -458-----



No samples collected



Ls-crm/lt gry fxln mhd sl fos no por

Sh-gry/dk gry

Ls-crm mott gry fxln mhd no por

Ls-AA

Sh-gry/dk gry

Ls-crm/gry f/mxln soft/mhd sl clkly sl fos no por

Sh-gry/dk gry

Ls-crm/gry f/mxln mhd sl clkly sl fos no por

Sh-gry/dk gry

Ls-crm/lt gry f/mxln soft fr inter xln por sl fos nsfo

Ls-AA

Sh-gry/dk gry

Ls-crm/lt gry f/mxln soft fr inter xln por sl fos nsfo

Ls-AA

Sh-gry/dk gry

Ls-gry mott dk gry f/mxln dns fos no por

Ls-AA

Ls-crm/tan fxln mhd sl fos no por

Ls-gry/brn fxln dns fos sl ool no por

Sh-gry/dk gry

Ls-tan/gry fxln mhd sl fos no por

Sh-gry/dk gry

Sh-AA

-----Stotler 3550 -708-----

Sh-gry/dk gry

Ls-tan/gry sm mott gry fxln mhd/dns sl fos sl ool trc inter ool por nsfo

Sh-gry/dk gry

Ls-crm/lt gry fxln mhd clkly fos sl ool no por

Ls-crm/lt gry fxln soft clkly fos trc inter xln por nsfo

Ls-crm/lt gry fxln mhd sl clkly fos no por

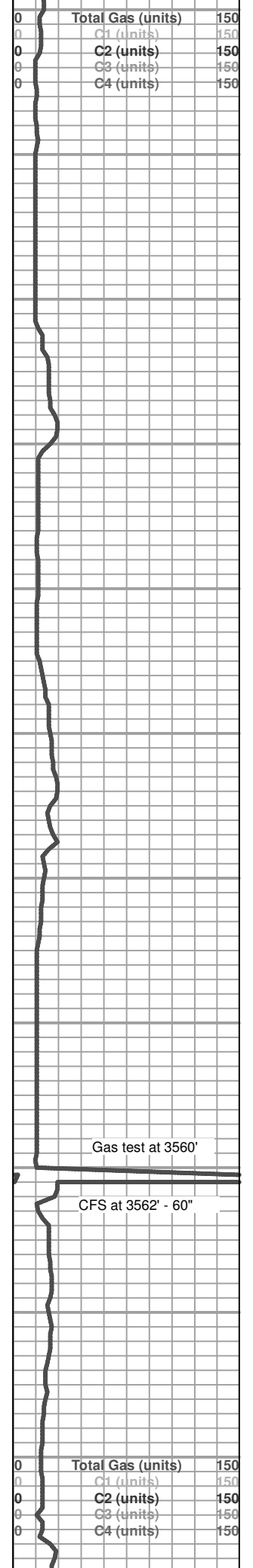
Sh-gry/dk gry

Ls-crm/tan f/mxln mhd sl clkly trc inter xln por nsfo

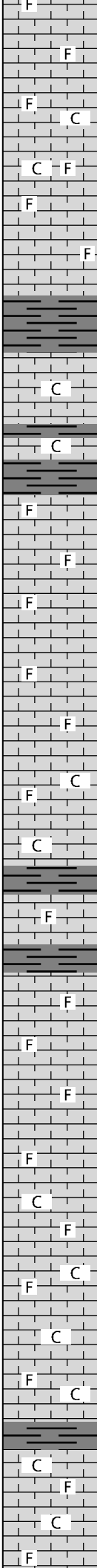
Ls-crm/tan f/mxln mhd sl fos no por

Ls-lt gry/crm fxln dns no por

-----Tarkio 3613 -771-----



3620
3640
3660
3680
3700
3720
3740
3760
3780
3800
3820



Ls-crm/lt gry fxln dns sl fos no por
Ls-AA
Ls-crm/lt tan fxln soft clky sl fos trc inter xln por nsfo
Ls-AA
Ls-lt gry/crm f/mxln dns sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-crm/lt tan fxln mhd sl clky no por
Sh-gry/dk gry
Ls-crm/lt tan fxln mhd sl clky no por
Sh-gry/dk gry
Ls-crm/tan/lt gry f/mxln mhd fos trc inter xln por nsfo
Ls-AA
Ls-lt gry/gry f/mxln mhd/dns sl fos no por
Ls-lt gry/gry f/mxln soft/mhd trc inter xln por no por
Ls-lt gry/tan fxln mhd/dns sl fos no por
Ls-AA
Ls-crm/tan/lt gry fxln soft/mhd sl fos clky fr interxln por nsfo
Ls-crm/tan fxln mhd sl clky no por
Sh-gry/dk gry
Ls-lt gry f/mxln mhd fos no por
Sh-gry/dk gry
Ls-lt gry/gry f/mxln mhd fos no por
Ls-gry f/mxln mhd fos no por
Ls-AA
Ls-lt gry/crm f/xln mhd sl fos no por sm Ls-wt fxln soft clky
Ls-lt gry/crm/tan f/mxln mhd sl fos sl clky no por
Ls-AA
Ls-crm/tan/lt gry f/mxln soft/mhd clky trc inter xln por nsfo
Ls-crm/tan/lt gry f/mxln dns fos sl clky no por
Sh-gry/dk gry
-----**Topeka 3820 -978**-----
Ls-crm/lt gry f/mxln soft sl fos sl clky fr interxln por nsfo
sm Ls-wt fxln soft clky
Ls-AA

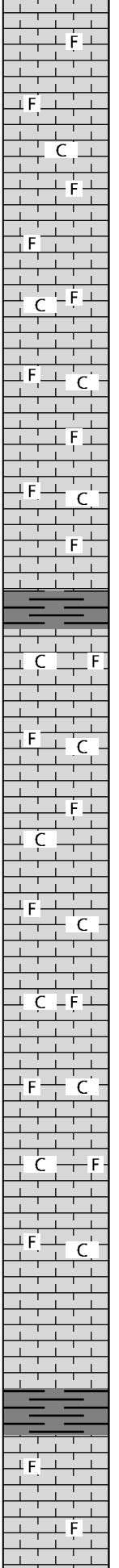
Geol on Loc at 3689'
12:31 pm on 10-7-12

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

Mud Data at 3838'
2:20 pm 10-7-12

3840
3860
3880
3900
3920
3940
3960
3980
4000
4020
4040

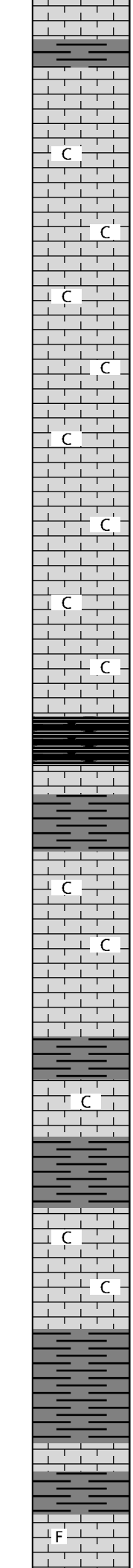
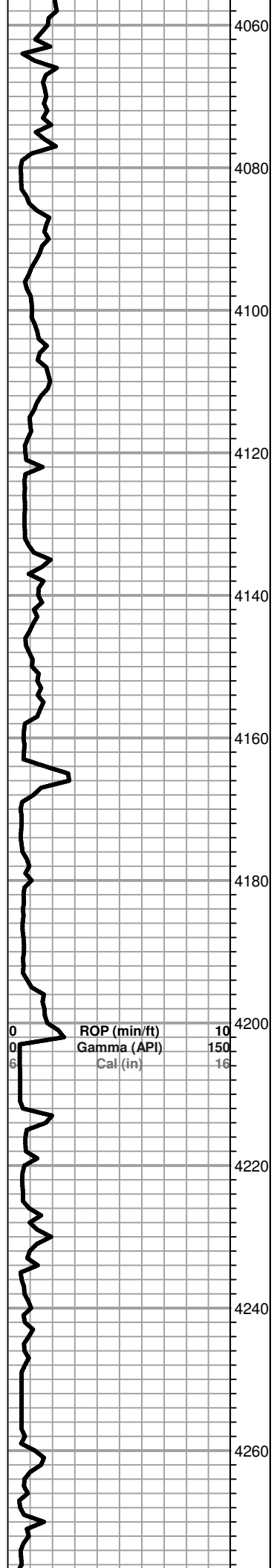


Ls-crm/lt gry f/mxln mhd/dns sl fos no por
Ls-AA
Ls-tan/gry fxln soft/mhd sl fos trc interxln por nsfo
sm Ls-wt fxln soft clky
Ls- AA
Ls-tan/gry f/mxln mhd fos no por
Ls-crm/tan/lt gry f/mxln soft clky sl fos fr inter xln por nsfo
Ls-AA
Ls-crm/lt gry fxln soft sub clky fr inter xln por nsfo sm Ls-wt
fxln soft clky no por
Ls-AA
Ls-tan/lt gry f/mxln mhd fos no por
Sh-gry/dk gry
Ls-crm/tan f/mxln soft sl clky sl fos no por sm Ls-wt fxln soft clky
Ls-AA
Ls-AA
Ls-crm/tan f/mxln mhd/dns sl fos sl clky no por
Ls-AA
Ls-crm/lt tan f/mxln soft sl clky no por sm Ls-wt fxln soft clky
Ls-AA
Ls-crm/lt tan f/mxln mhd sl clky sl fos no por
Ls-crm/lt tan f/mxln soft/mhd sl clky sl fos no por
Ls-AA
Sh-gry/dk gry
-----Lecompton 4024 -1182-----
Ls-tan/gry fxln soft fos trc inter xln por nsfo
Ls-tan f/mxln dns sl fos no por
Ls-tan f/mxln mhd sl fos trc inter xln por nsfo
Ls-tan f/mxln dns sl fos no por
Ls-AA

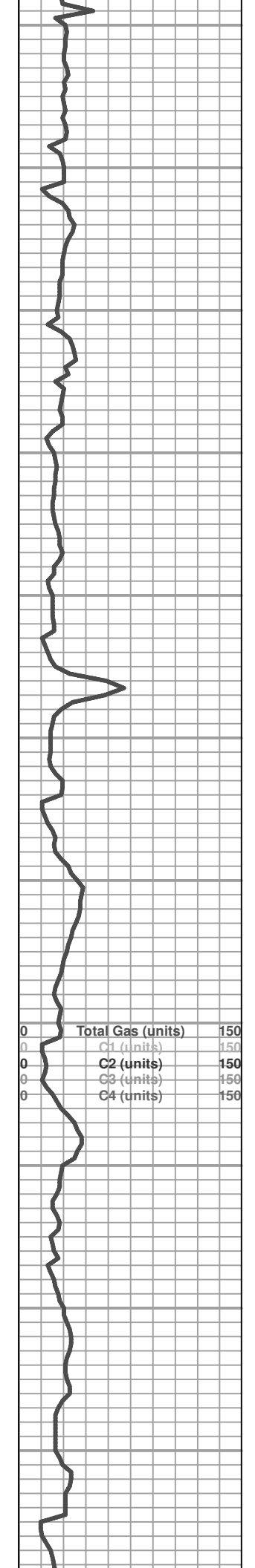
2.20 pH 10-7-12
Wt 8.95
Vis 49
WL 9.2
pH 10.5
Chl 2200
Sol 4.3%
YP 19
LCM 2#

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

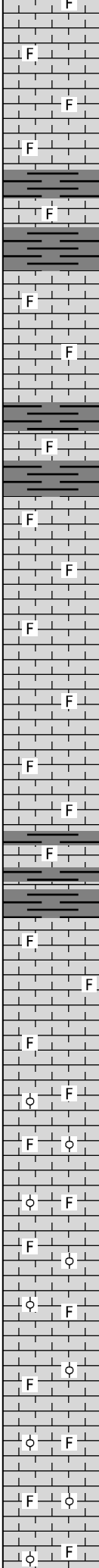
Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150



Ls-gry/lt gry fxln dns no por
 Sh-gry/dk gry
 Ls-lt gry fxln dns no por
 Ls-lt gry/crm fxln soft clkly trc inter xln por nsfo
 Ls-lt gry/crm fxln mhd sl clkly no por
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clkly no por
 Ls-lt gry/crm fxln soft/mhd sl clkly trc inter xln por nsfo
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clkly no por
 Ls-AA
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clkly no por
 Ls-AA
 -----Heebner 4157 -1315-----
 Sh-blk carb
 Ls-gry fxln dns no por
 Sh-gry/dk gry
 -----Toronto 4176 -1334-----
 Ls-crm/wt fxln soft clkly trc inter xln por nsfo
 Ls-AA
 Ls-crm/lt gry fxln dns no por
 -----Douglas 4202 -1360-----
 Sh-gry/dk gry
 Ls-lt gry/crm fxln soft clkly trc inter xln por nsfo
 Ls-lt gry/gry fxln mhd no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl clkly no por
 Ls-AA
 Sh-gry/dk gry
 Sh-AA
 -----Iatan 4259 -1417-----
 Ls-tan/brn fxln dns no por
 Sh-gry/dk gry
 -----Lansing 4269 -1427-----
 Ls-tan fxln soft/mhd sl fos trc inter xln por nsfo



4280
4300
4320
4340
4360
4380
4400
4420
4440
4460
4480

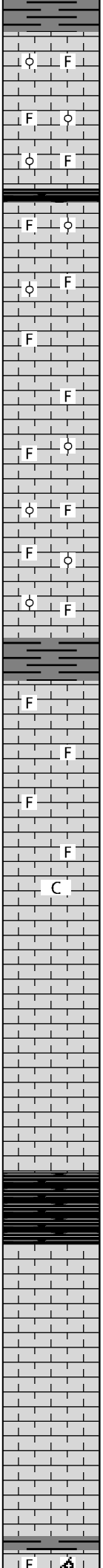


Ls-AA
Ls-crm/tan fxln mhd sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-tan/crm f/mxn mhd sl fos no por
Sh-gry/dk gry
Ls-crm/tan fxln mhd sl fos nsfo
Ls-AA
Ls-AA
Sh-gry/dk gry
Ls-tan/crm f/mxn mhd/dns sl fos no por
Sh-gry/dk gry
Ls-crm/tan fxln soft/mhd sl fos trc inter xln por nsfo
Ls-AA
Ls-lt gry/crm f/mxn mhd sl fos no por
Ls-lt gry/tan fxln mhd sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-lt gry fxln dns sl fos no por
Sh-gry/dk gry
Sh-gry/dk gry
Ls-lt gry/tan fxln soft sl fos trc inter xln por nsfo
Ls-AA
Ls-tan/lt gry f/mxn soft fos sl ool fr inter ool por nsfo
Ls-AA
Ls-AA
Ls-AA
Ls-tan/lt gry f/mxn soft fos sl ool sl ooc fr inter ool/ooc por nsfo
Ls-AA
Ls-AA
Ls-crm/tangry f/mxn soft/mhd fos ool and ooc fr ooc por nsfo

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

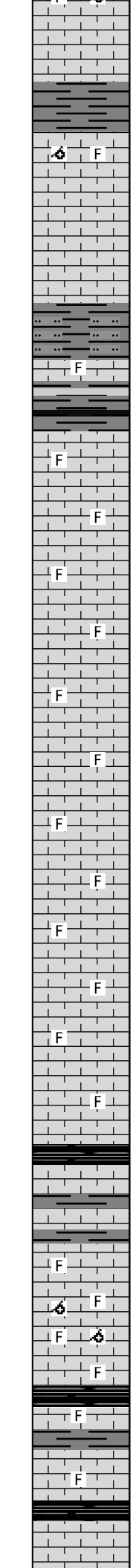
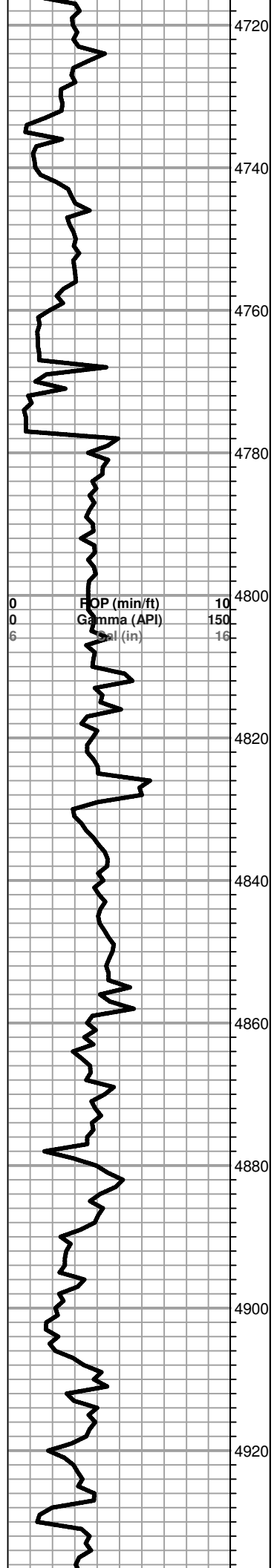
4500
4520
4540
4560
4580
4600
4620
4640
4660
4680
4700



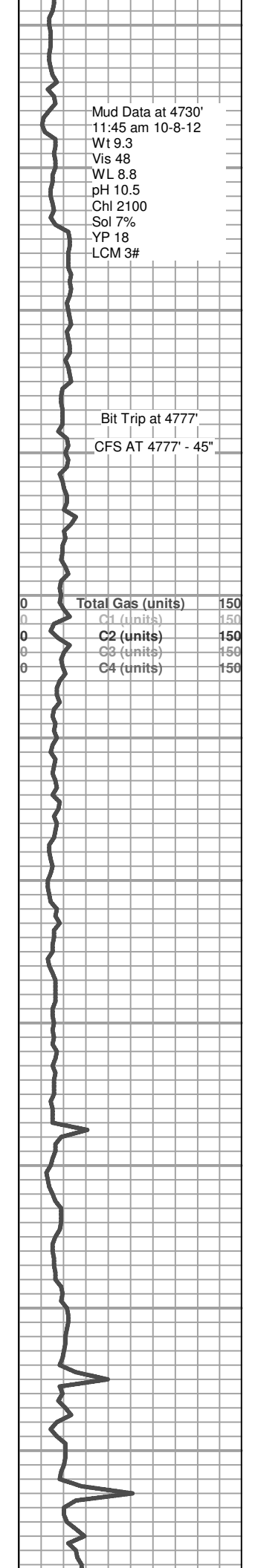
Sh-gry/dk gry
 Ls-crm/tan f/mxln soft fos ool and ooc fr ooc por nsfo
 Ls-AA
 Ls-crm/tan f/mxln mhd fos sl ool no por
 Sh-blk carb
 Ls-tan/gry f/mxln mhd fos sl ool sl ooc fr ooc por nsfo
 Ls-AA
 Ls-tan/gry fxln dns sl fos no por
 Ls-AA
 Ls-lt gry mott gry f/mxln mhd no por sm Ls-tan/brn fxln mhd fos sl ool and ooc no por
 Ls-AA
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/lt gry mott gry f/mxln soft sl fos trc inter xln por nsfo
 Ls-tan/lt gry fxln dns sl fos no por
 Ls-tan/lt gry fxln mhd sl fos no por
 Ls-tan/lt gry fxln soft sl clky trc inter xln por nsfo
 Ls-tan fxln mhd/dns no por
 Ls-AA
 Ls-tan/lt gry mhd/dns no por
 Ls-AA
 -----Stark 4662 -1820-----
 Sh-blk carb
 -----Swope 4671 -1829-----
 Ls-gry/dk brn fxln dns no por
 Ls-gry mott brn f/mxln mhd trc inter xln por nsfo
 Ls-gry/dk brn fxln dns no por
 Ls-gry fxln dns no por
 Ls-AA
 Ls-gry fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-brn fxln mhd fos com fr inter com por nsfo

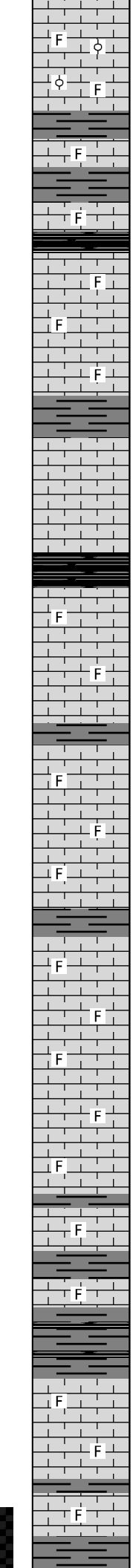
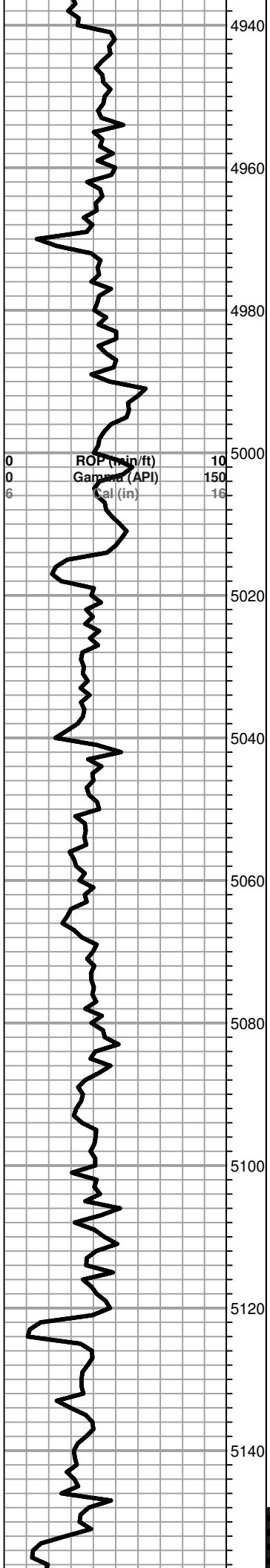
ROP (min/ft) 10
 Gamma (API) 150
 Cal (in) 16

Total Gas (units) 150
 C1 (units) 150
 C2 (units) 150
 C3 (units) 150
 C4 (units) 150



Ls-brn fxln mhd fos com fr inter com por nsfo
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/gry fxln mhd fos oom fr inter oom por nsfo
 Ls-gry fxln dns no por
 Ls-AA
 Sh-gry/dk gry/blk sm Siltstone-lt gry/gry grn vfgrn
 Ls-tan/gry fxln dns sl fos no por
 Sh-gry/dkgry/dk grn/mar
 -----**Marmaton 4777 -1935**-----
 Ls-crm/tan/lt gry f/mxln dns sl fos no por
 Ls-AA
 Ls-crm/tan f/mxln dns sl fos no por
 Ls-AA
 Ls-AA
 Ls-tan/crm fxln dns sl fos no por
 Ls-tan/crm f/mxln dns sl fos no por
 Ls-AA
 Ls-AA
 Ls-AA
 Ls-tan/crm fxln dns sl fos no por
 Ls-AA
 Ls-AA
 Ls-AA
 Ls-tan/crm fxln dns sl fos no por
 Ls-AA
 Sh-blk carb
 -----**Pawnee 4880 -2033**-----
 Ls-tan/brn fxln dns no por
 Sh-gry/dk gry
 Ls-tan/brn fxln dns no por
 Sh-gry/dr gry
 Ls-crm f/mxln mhd/dns fos no por
 Ls-AA
 Ls-crm f/mxln mhd fos ool no por
 Ls-crm/lt tan f/mxln dns fos no por
 -----**Labette Shale 4911 -2059**-----
 Sh-blk carb
 Ls-crm/tan f/mxln dns fos no por
 Sh-gry/dk gry
 Ls-crm/tan f/mxln dns sl fos no por
 -----**Cherokee Shale 4927 -2085**-----
 Sh-blk carb
 Ls-tan fxln mhd/dns no por





Ls-tan/gry f/mxln dns sl fos sl ool no por
 Ls-AA
 Sh-gry/dk gry
 Ls-tan fxln dns sl fos no por
 Sh-gry/dk gry
 Ls-tan fxln dns sl fos no por
 Sh-blk carb
 Ls-tan/brn f/mxln dns fos no por
 Ls-tan/brn mott gry f/mxln dns fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/brn fxln dns no por
 Ls-AA
 Ls-tan/gry fxln dns no por
 Sh-blk carb
 Ls-gry/tan fxln dns sl fos no por
 Ls-gry/tan/brn f/mxln dns fos no por
 Sh-gry/dk gry
 Ls-tan/brn fxln dns sl fos no pr
 Ls-AA
 Ls-tan/brn fxln dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/lt gry/brn f/mxln dns sl fos no por
 Ls-AA
 Ls-gry/brn fxln dns sl fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-gry/brn/lt gry f/mxln dns sl fos no por
 Sh-gry/dk gry
 Ls-gry/brn/lt gry f/mxln dns sl fos no por
 Sh-gry/dk gry/blk
 Ls-gry f/mxln dns sl fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-gry/gry brn fxln dns sl fos no por

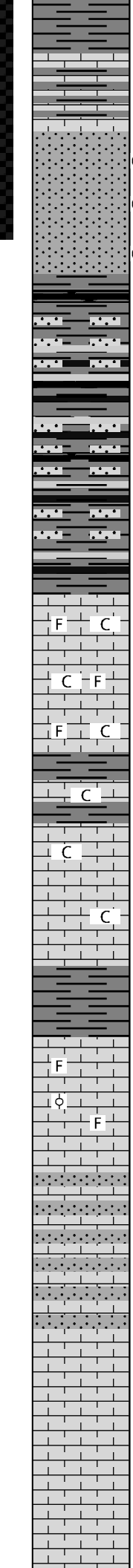
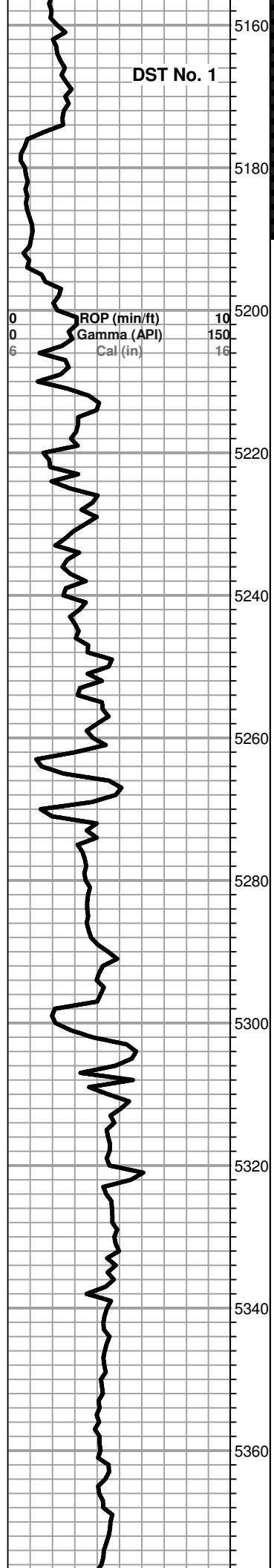
Mud Data at 4976'
 11:30 am 10-9-12
 Wt 9.1
 Vis 49
 WL 8.4
 pH 11
 Chl 900
 Sol 5.7%
 YP 17
 LCM 4#

0	Total Gas (units)	150
0	C1 (units)	150
0	C2 (units)	150
0	C3 (units)	150
0	C4 (units)	150

Mud Data at 5190'
 12:15 pm 10-10-12
 Wt 9.1
 Vis 56
 WL 9.2
 pH 10.5
 Chl 700
 Sol 5.7%
 YP 19
 LCM 3#

DST No. 1
 5148 to 5190
 5-94-75-150
 1st Open: BOB in 4"
 2nd Open: BOB in 3.5"
 Recovery:
 2980' GIP
 160' G,HMCO (4%G
 42%M,54%O)
 120' G,SW&MCO (3%G
 1%W,5%M,91%O)
 180' G,SW,HMCO(6%G
 19%W,35%M,40%O)
 60' C,SO&MCW (2%G
 13%O,18%M,67%W
 Chl 109,000 ppm)
 IHP 2431 FHP 2416
 IFP 91-123 FFP 122-211
 ISIP 1438 FSIP 1412
 Temp 125°

-----Morrow Shale 5152 -2310-----



Sh-gry/dk gry

Ls-gry/dk gry mott blk f/mxln dns no por and Sh-gry/dk gry

-----**Morrow Sand 5175 -2333**-----

● Qtz Ss-lt gry/gry/brn fgrn ang to sub ang well sorted sicila cem mostly tightly cement clusters with sm very sl fri clusters hard gils blk streaks sat oil inside clusters and on outside of clusters gd inter gran por no fluor fr to gd odor gsfo and gas

● Qtz Ss-lt gry/gry/brn fgrn ang to sub ang well sorted well sorted silca cem mostly tightly cement clusters with sm very sl fri clusters sm gils blk streaks sat oil inside clusters fr inter gran por no fluor sl odor fgso

Sh-gry/dk gry/blk

Sh-gry/dk gry/blk with sm qtz Ss-wt fgrn sub ang well sorted tite cem sm gils blk streaks no flour nsfo or gas no odor

Sh-gry/dk gry/grn sm Ss-AA (10 to 15 pcs in slp tray)

Sh-gry/dk gry/grn/blk/red

Sh-AA with sm Ss-AA (3 to 5 pcs in slp tray)

Sh-gry/dk gry/grn/red

Sh-AA with sm Ss-wt/clr f/mgrn sub ang tite cem nsfo or gas

Sh-gry/dk gry/grn/red

-----**Miss-Chester 5224 -2398**-----

Ls-gry/lt gry cxln to blk mhd/dns fos sub clky no por

Ls-AA

Ls-tan/lt gry cxln to blk mhd sl clky fos no por

Sh-gry/dk gry

Ls-tan/lt gry cxln to blk dns no por

Sh-gry/dk gry

Ls-crm/tan/lt gry cxln to blk dns sl clky no por

Ls-AA

Ls-AA

Sh-gry/dk gry

-----**Saint Gen 5302 -2460**-----

Ls-crm/lt gry m/cxln dns fos no por

Ls-crm/lt gry fxln to fgran dns sl fos with some blk ool no por

Ls-AA

Ls-AA grading into calc Ss-lt gry/wt/crm f/mgrn sub ang to sub rnd tite cem to sl fri

Ls-AA

Ls-AA

Ls-wt/lt gry fxln to fgran mhd no por

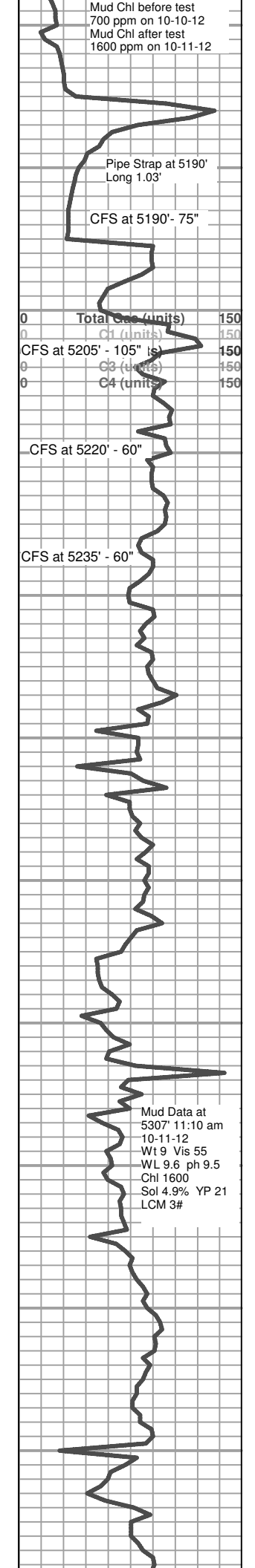
Ls-AA

Ls-lt gry/wt fgran mhd no por

Ls-AA

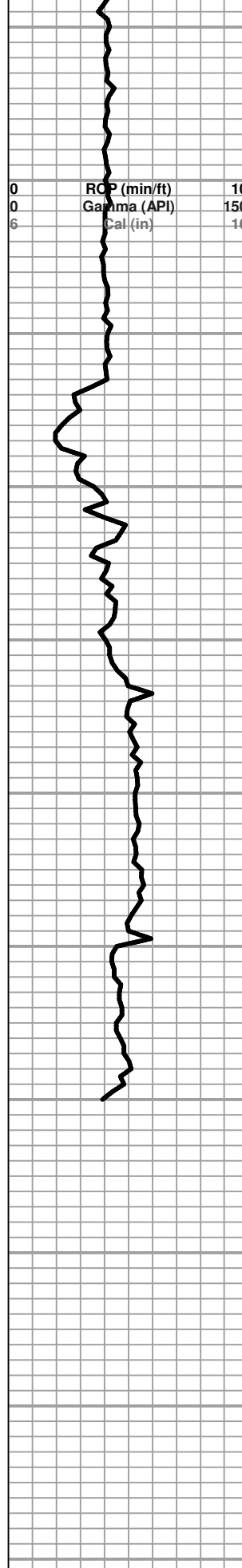
Ls-lt gry fgran mhd no por

-----**St Louis 5376 -2534**-----



5380
5400
5420
5440
5460
5480
5500
5520
5540
5560
5580

0 ROP (min/ft) 10
0 Gamma (API) 150
6 Cal (in) 16



C
C
C
C
F C
C F
F C
F
F
F
F
F
F
F
F

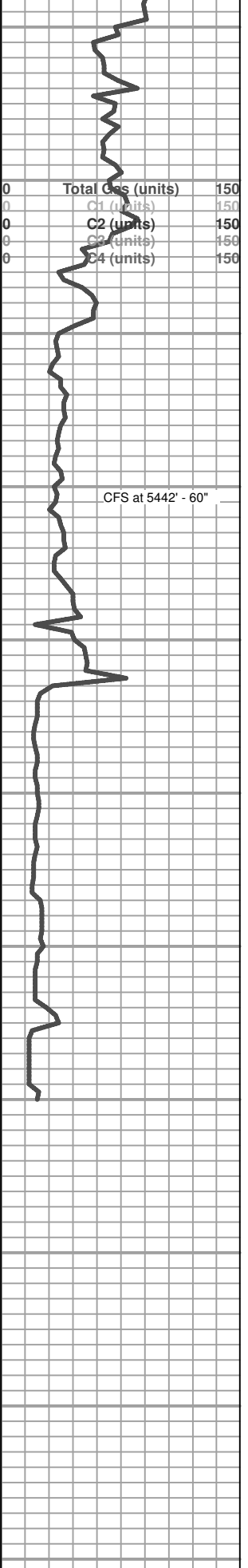
Ls-crm/wt/lt gry fgran mhd no por
Ls-lt gry/crm fgran mhd/dns no por sm Ls-wt frgn mhd sl clk
Ls-AA
Ls-lt gry/crm f/mgran dns sl clk no por
Ls-tan/crm f/mgran mhd no por sm Ls-wt frgn soft clk no por
Ls-tan/crm f/mgran mhd fos ool no por and Ls-wt frgn soft clk
-----St Louis Porosity 5427 -2585-----
Ls-crm/lt tan cxln to gran mhd fos ool trc inter fos por nsfo or gas
sm Ls-wt fxln soft fos clk nsfo or gas
Ls-crm/lt tan fxln dns sl clk sl fos no por
Ls-AA
Ls-crm/lt tan fxln to sl gran dns sl fos no por
Ls-AA
Ls-AA
Ls-tan/lt gry fxln to sl gran dns sl fos no por
Ls-AA
Ls-tan/lt gry fxln to sl gran dns no por
Ls-AA

-----RTD 5520 -22678-----

Finished Drilling at 5:41 am on 10-12-12. CFS - 60".
Pulled 10 stand short trip, then Cir for Log - 90"

Finished Logging at 6:10 pm on 10-12-12

0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150



CFS at 5442' - 60"

