



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1108442
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1108442

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	SHERLYN KOEHN 1-31(SW)
Doc ID	1108442

All Electric Logs Run

DEL
MEL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	SHERLYN KOEHN 1-31(SW)
Doc ID	1108442

Tops

Name	Top	Datum
STOTLER	3545	-703
TARKIO	3611	-769
LANSING	4264	-1422
CHEROKEE	4926	-2084
MORROW SH	5148	-2306
MORROW SS	5170	-2328
CHESTER	5210	-2368
MISS ST GEN	5302	-2460
ST LOUIS	5368	-2526

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 17, 2013

CYNDE WOLF
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-069-20399-00-00
SHERLYN KOEHN 1-31(SW)
SW/4 Sec.31-28S-30W
Gray County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
CYNDE WOLF

DIAMOND TESTING

General Information Report

General Information

Company Name	FALCON EXPLORATION, INC.	Representative	TIM VENTERS
Contact	MIKE MITCHELL	Well Operator	FALCON EXPLORATION, INC.
Well Name	SHERLYN KOEHN #1-31 (SW)	Report Date	2012/10/10
Unique Well ID	DST #1, MORROW SD., 5148-5190	Prepared By	TIM VENTERS
Surface Location	SEC 31-28S-30W, GRAY CO. KS.	Qualified By	MAC ARMSTRONG
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, MORROW SD., 5148-5190		
Well Fluid Type	01 Oil		
Start Test Date	2012/10/10	Start Test Time	08:58:00
Final Test Date	2012/10/10	Final Test Time	20:23:00

Test Recovery:

RECOVERED: 2980' GAS IN PIPE

160' G,HMCO, 4% GAS, 54% OIL, 42% MUD
120' G,SW&MCO, 3% GAS, 91% OIL, 1% WATER, 5% MUD, GRAVITY: 25
180' G,SW,HMCO, 6% GAS, 40% OIL, 19% WATER, 35% MUD
60' G,SO&MCW, 3% GAS, 13% OIL, 67% WATER, 18% MUD
520' TOTAL FLUID

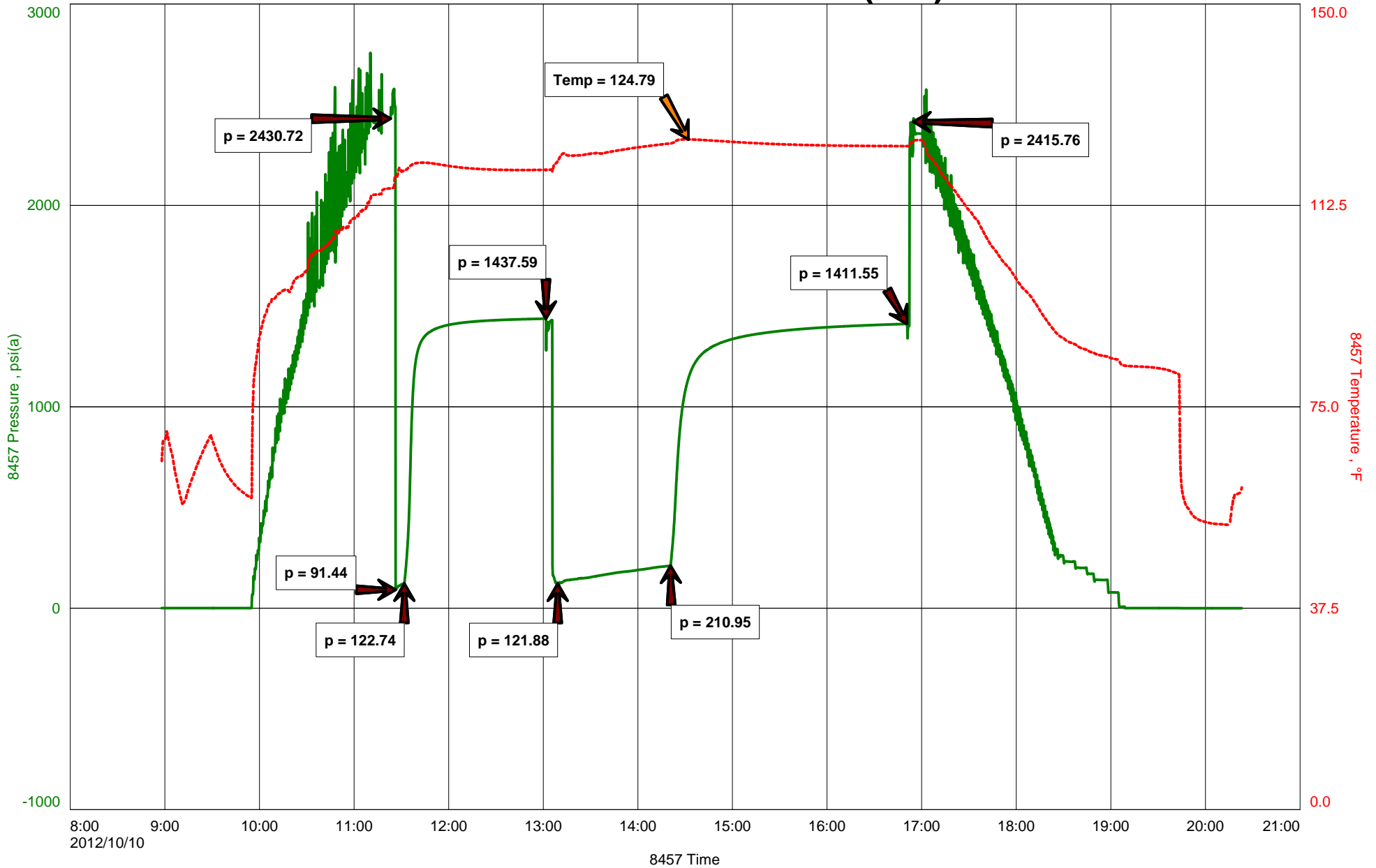
TOOL SAMPLE: 9% GAS, 86% OIL, 4% WATER, 1% MUD

CHLORIDES: 109,000 ppm

PH: 6.5

RW: 1.1 @ 85 deg.

SHERLYN KOEHN #1-31 (SW)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

**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

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

ROP (min/ft)	10
Gamma (API)	150
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

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

Electric Logs:
Pioneer Engery
Sevices
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-----

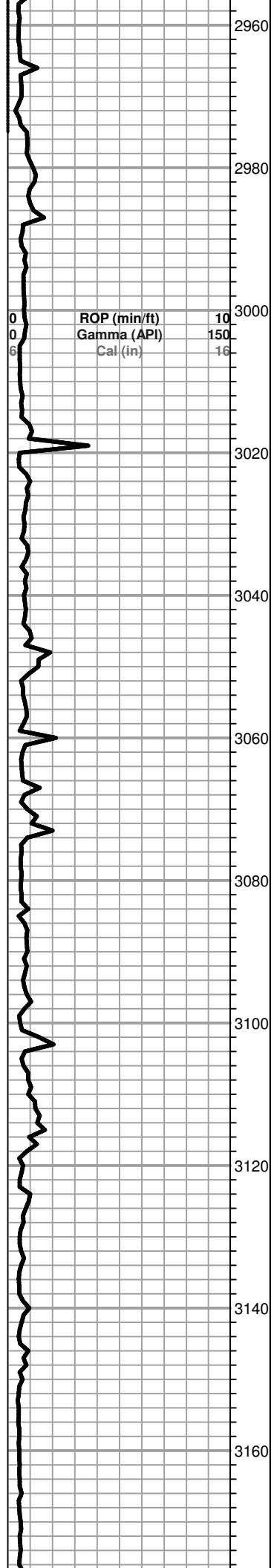
-----Fort Riley 2858 -16-----

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

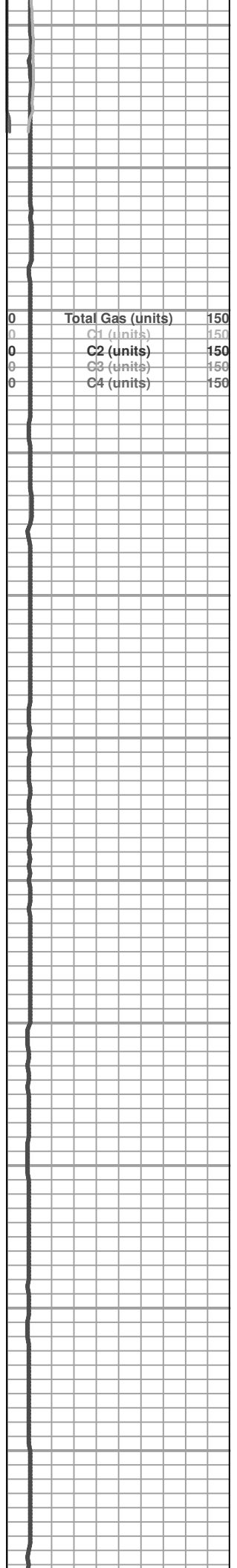
No samples collected
from 2920 to 3403

2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
3160

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

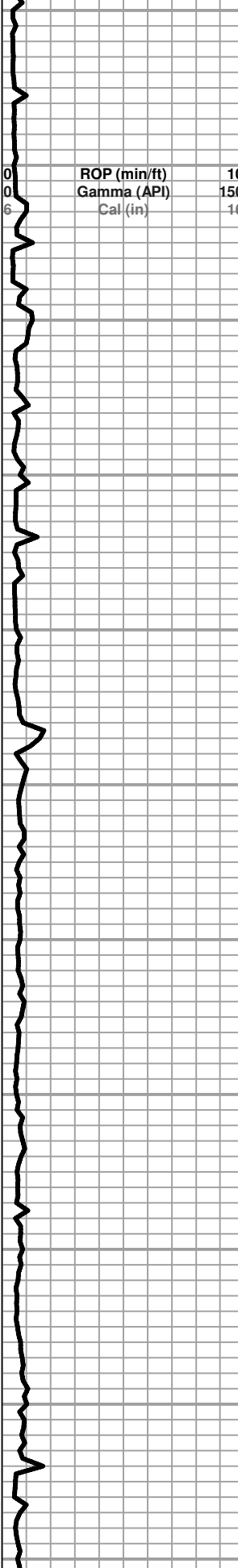


0 Total Gas (units) 150
0 C1 (units) 150
0 C2 (units) 150
0 C3 (units) 150
0 C4 (units) 150



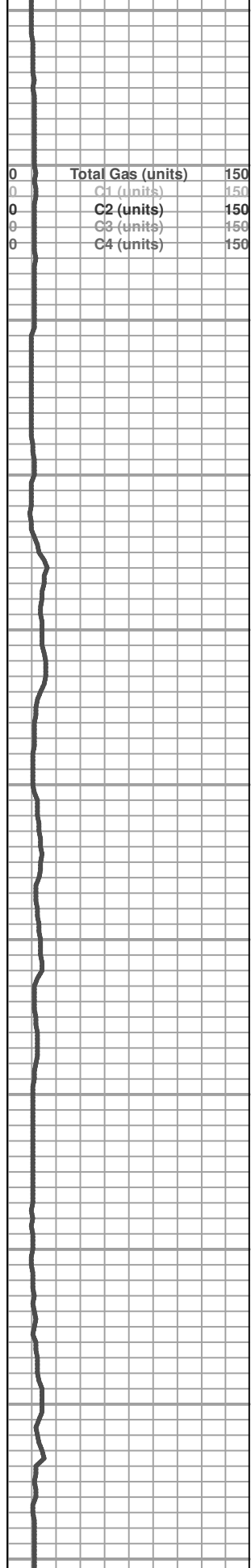
-----Cottonwood 3144 -302-----

3180
3200
3220
3240
3260
3280
3300
3320
3340
3360
3380

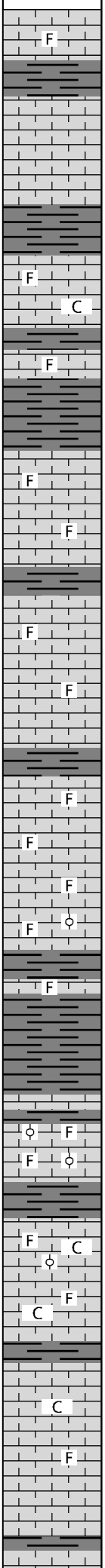
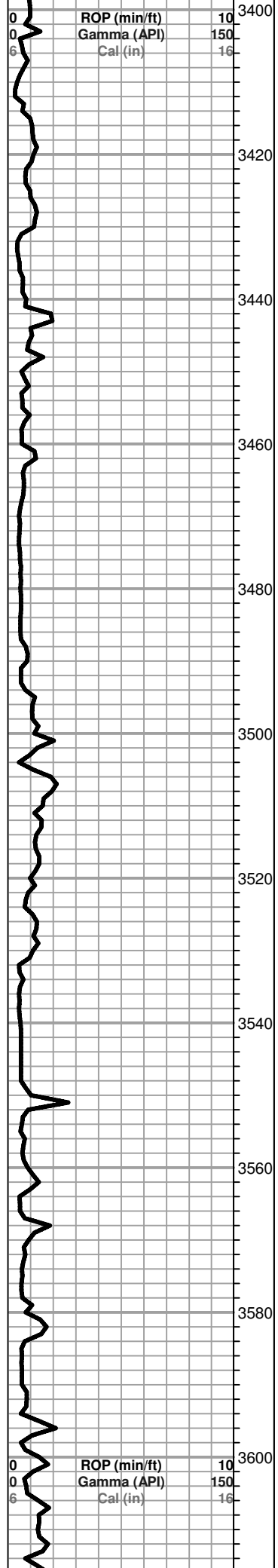


-----Neva 3189 -347-----

-----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

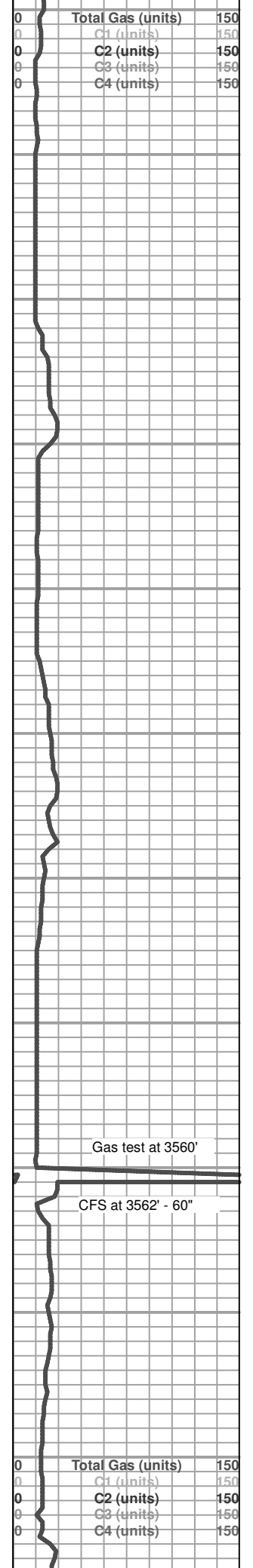
Sh-gry/dk gry

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

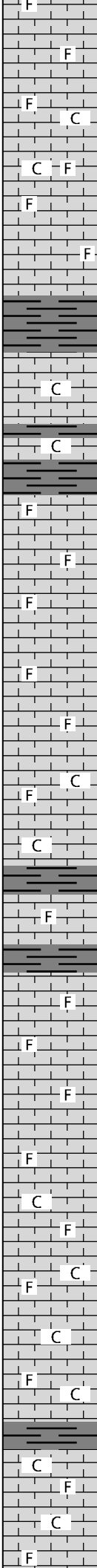
Ls-crm/tan f/mxln mhd sl fos no por

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

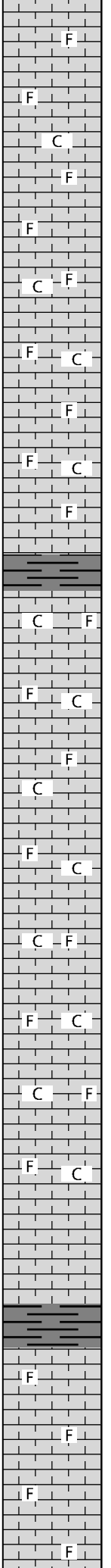
Geol on Loc at 3689'
12:31 pm on 10-7-12

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

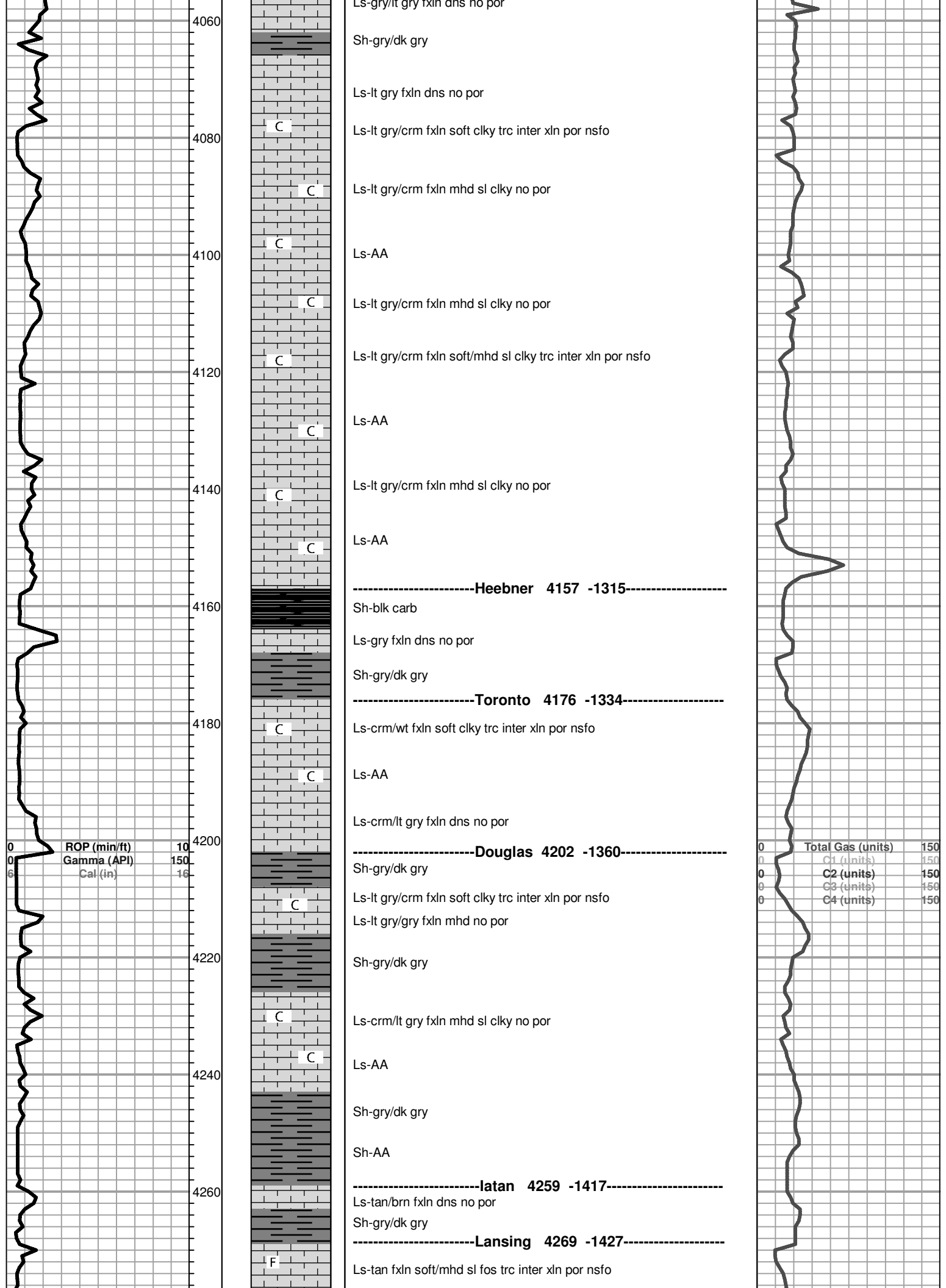


Ls-crm/lt gry f/mxln mhd/dns sl fos no por
Ls-AA
Ls-tan/gry fxln soft/mhd sl fos trc interxln por nsfo
sm Ls-wt fxln soft clkly
Ls- AA
Ls-tan/gry f/mxln mhd fos no por
Ls-crm/tan/lt gry f/mxln soft clkly sl fos fr inter xln por nsfo
Ls-AA
Ls-crm/lt gry fxln soft sub clkly fr inter xln por nsfo sm Ls-wt
fxln soft clkly 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 clkly sl fos no por sm Ls-wt fxln soft clkly
Ls-AA
Ls-AA
Ls-crm/tan f/mxln mhd/dns sl fos sl clkly no por
Ls-AA
Ls-crm/lt tan f/mxln soft sl clkly no por sm Ls-wt fxln soft clkly
Ls-AA
Ls-crm/lt tan f/mxln mhd sl clkly sl fos no por
Ls-crm/lt tan f/mxln soft/mhd sl clkly 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

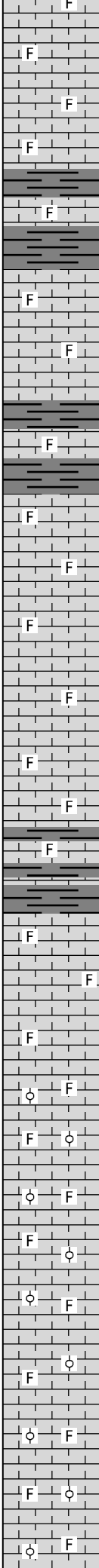
2.20 pH 10-7-12
Wt 8.95
Vis 49
WL 9.2
pH 10.5
Chl 2200
Sol 4.3%
YP 19
LCM 2#

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



4280
4300
4320
4340
4360
4380
4400
4420
4440
4460
4480

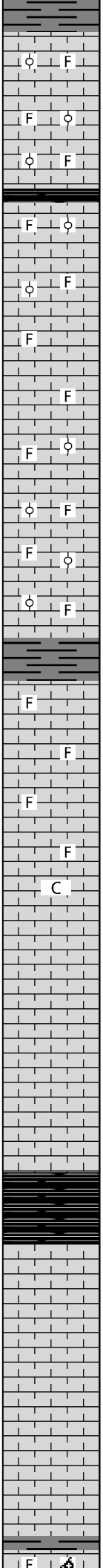


Ls-AA
Ls-crm/tan fxln mhd sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-tan/crm f/mxn mhd sl fos no por
Sh-gry/dk gry
Ls-crm/tan fxln mhd sl fos nsfo
Ls-AA
Ls-AA
Sh-gry/dk gry
Ls-tan/crm f/mxn mhd/dns sl fos no por
Sh-gry/dk gry
Ls-crm/tan fxln soft/mhd sl fos trc inter xln por nsfo
Ls-AA
Ls-lt gry/crm f/mxn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

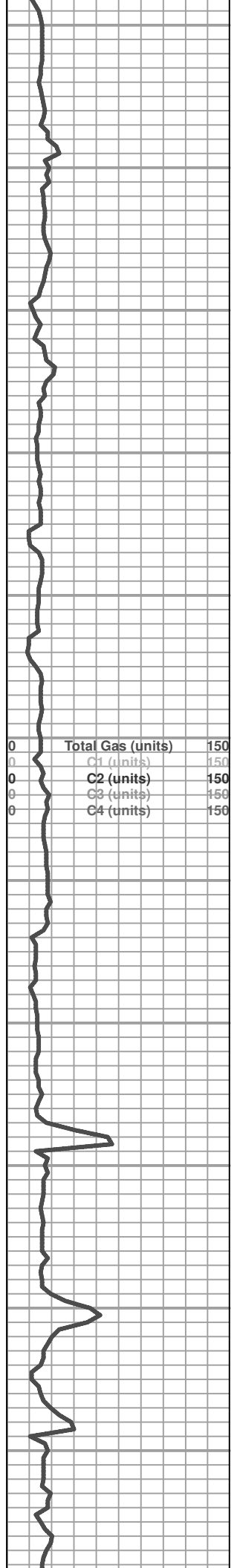
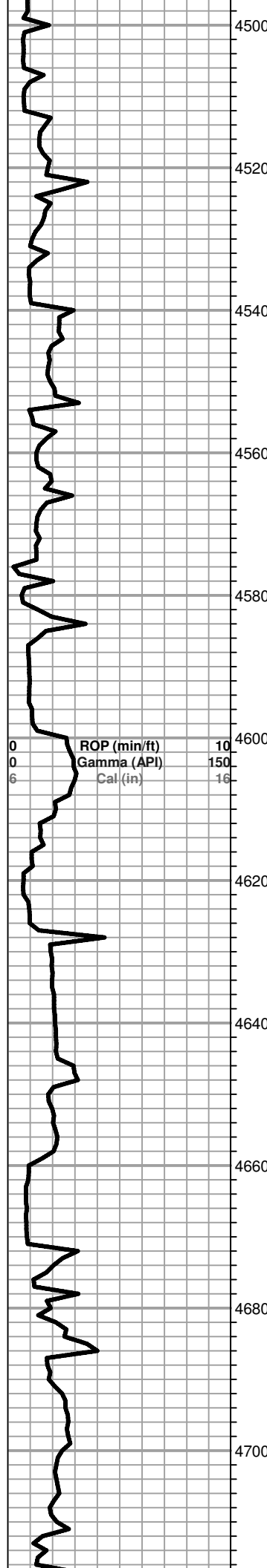
4500
4520
4540
4560
4580
4600
4620
4640
4660
4680
4700

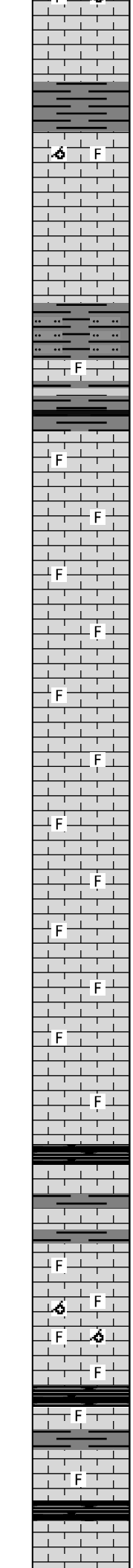
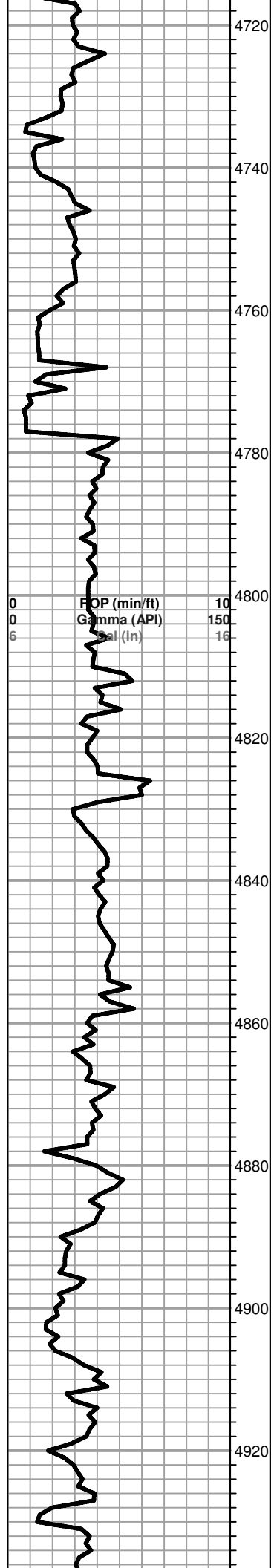


Sh-gry/dk gry
 Ls-crm/tan f/mxln soft fos ool and ooc fr ooc por nsfo
 Ls-AA
 Ls-crm/tan f/mxln mhd fos sl ool no por
 Sh-blk carb
 Ls-tan/gry f/mxln mhd fos sl ool sl ooc fr ooc por nsfo
 Ls-AA
 Ls-tan/gry fxln dns sl fos no por
 Ls-AA
 Ls-lt gry mott gry f/mxln mhd no por sm Ls-tan/brn fxln mhd fos 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

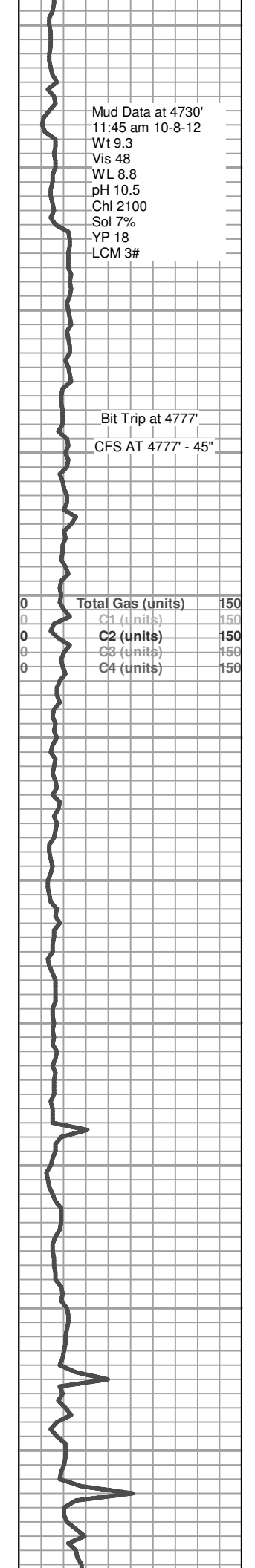
ROP (min/ft) 10
 Gamma (API) 150
 Cal (in) 16

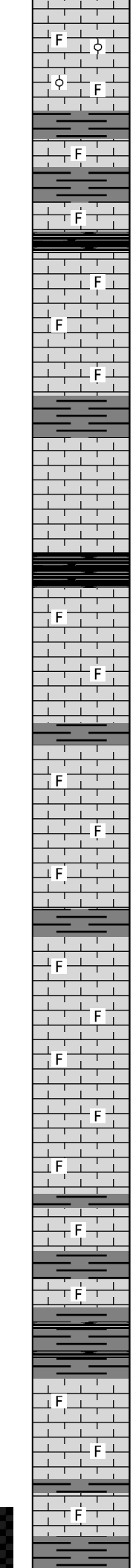
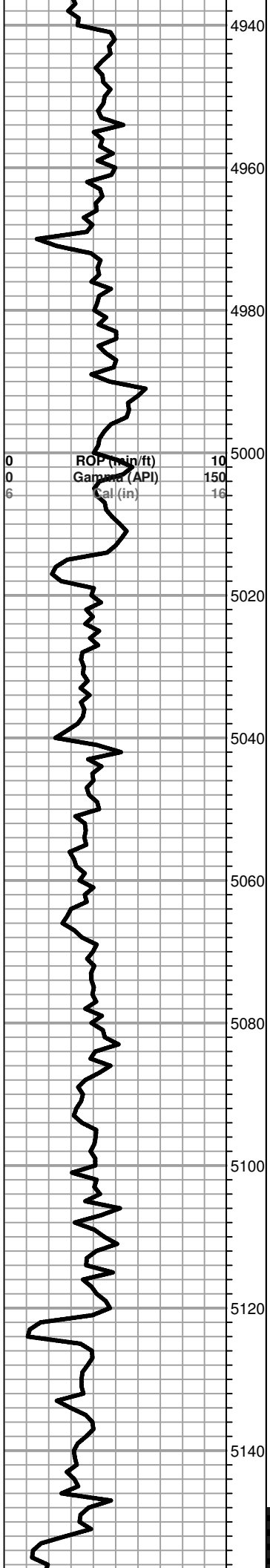
Total Gas (units) 150
 C1 (units) 150
 C2 (units) 150
 C3 (units) 150
 C4 (units) 150





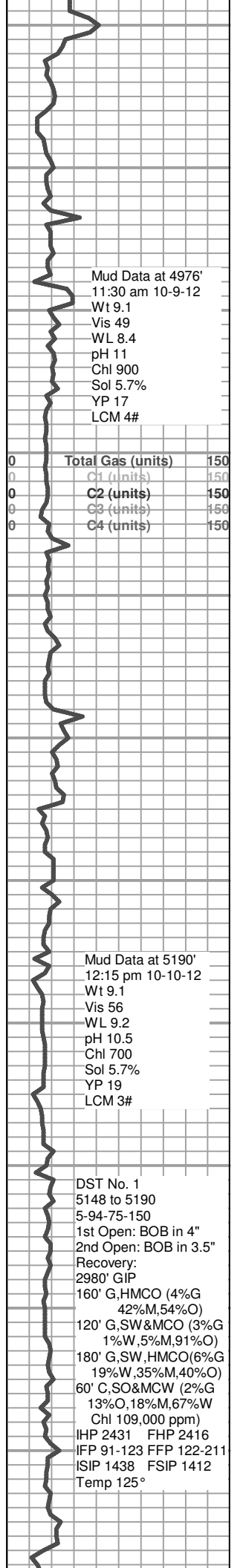
Ls-brn fxln mhd fos com fr inter com por nsfo
 Ls-AA
 Sh-gry/dk gry
 Ls-tan/gry fxln mhd fos oom fr inter oom por nsfo
 Ls-gry fxln dns no por
 Ls-AA
 Sh-gry/dk gry/blk sm Siltstone-lt gry/gry grn vfgrn
 Ls-tan/gry fxln dns sl fos no por
 Sh-gry/dkgry/dk grn/mar
 -----**Marmaton 4777 -1935**-----
 Ls-crm/tan/lt 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

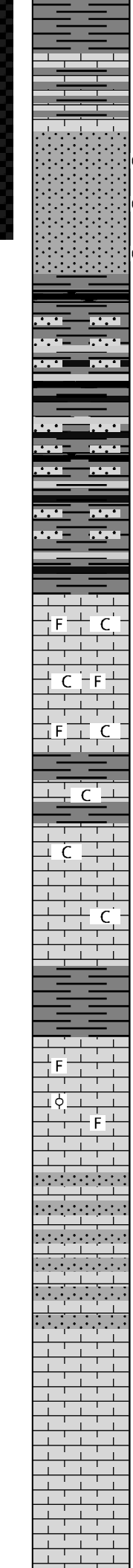
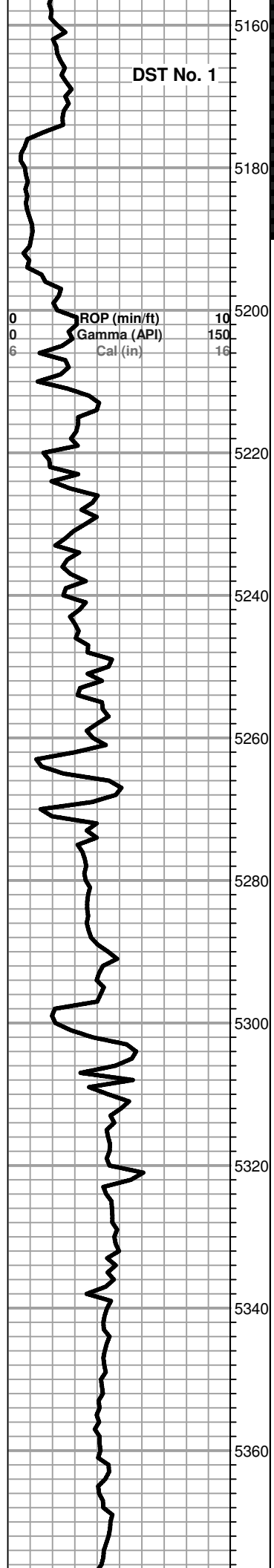
-----Morrow Shale 5152 -2310-----



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#

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°



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

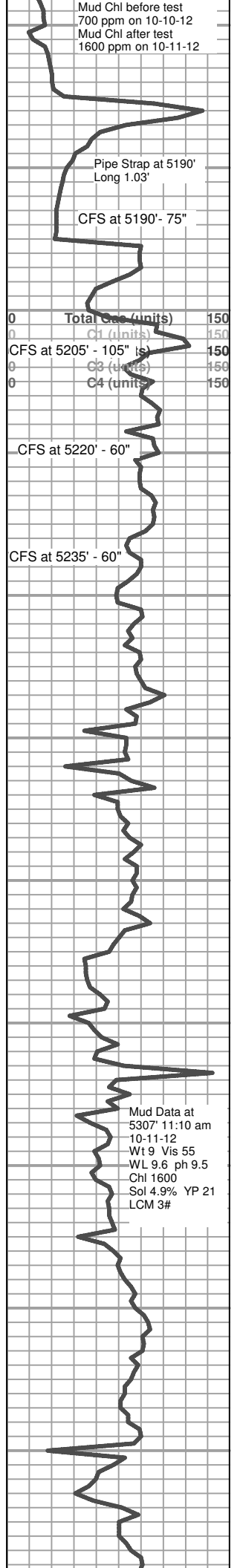
Ls-AA

Ls-lt gry/wt fgran mhd no por

Ls-AA

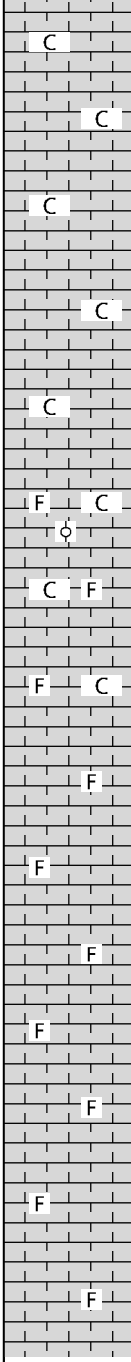
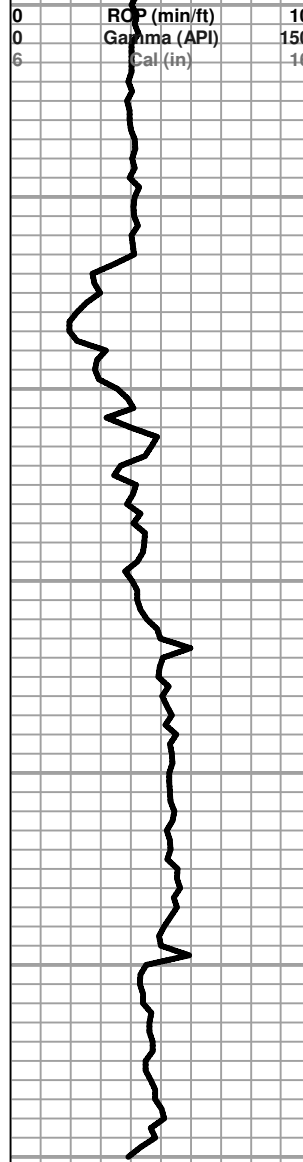
Ls-lt gry fgran mhd no por

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



5380
5400
5420
5440
5460
5480
5500
5520
5540
5560
5580

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



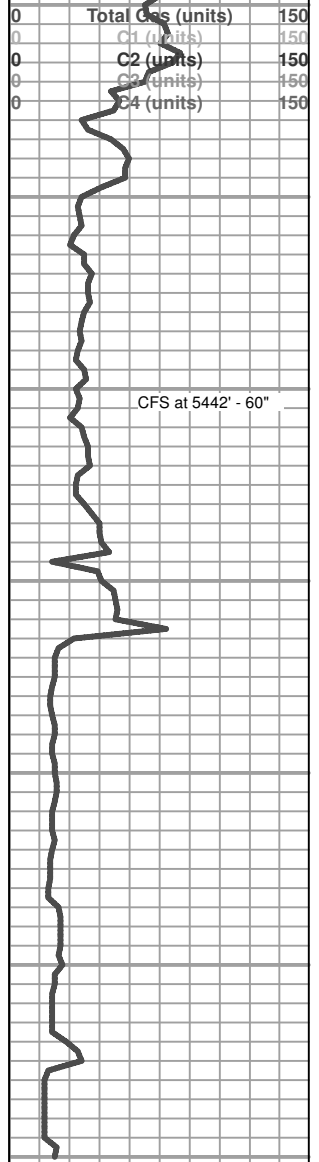
Ls-crm/wt/lt gry fgran mhd no por
Ls-lt gry/crm fgran mhd/dns no por sm Ls-wt frgn mhd sl clk
Ls-AA
Ls-lt gry/crm f/mgran dns sl clk no por
Ls-tan/crm f/mgran mhd no por sm Ls-wt frgn soft clk no por
Ls-tan/crm f/mgran mhd fos ool no por and Ls-wt frgn soft clk
-----St Louis Porosity 5427 -2585-----
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

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



CFS at 5442' - 60"



BASICSM
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer <u>Falcon Exploration</u>		Lease No.		Date <u>11-13-12</u>	
Lease <u>Sherlyn Koch</u>		Well # <u>1-31</u>		Service Receipt	
Casing	Depth	County <u>Gray</u>		State <u>KS</u>	
Job Type <u>5 1/2" Production</u>		Formation		Legal Description <u>31-28-30</u>	

Pipe Data		Perforating Data		Cement Data
Casing size <u>5 1/2"</u>	Tubing Size	Shots/Ft		Lead <u>50sk ACon</u> <u>2% CC, 1/4# Poly</u> <u>50sk 60/40</u> For Rat & Mouse <u>Tail in 2.15 sk AA-2</u> <u>5% W-60, 10% Salt, 6% C-15</u> <u>1/4# Defoamer, 5# Gilsontite</u>
Depth <u>5521 ft</u>	Depth	From	To	
Volume <u>131</u>	Volume	From	To	
Max Press	Max Press	From	To	
Well Connection	Annulus Vol.	From	To	
Plug Depth <u>5499.39 ft</u>	Packer Depth	From	To	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0200					On Location - Spot & Rig up
0930					Casing on bottom - Break Circ.
1021		200	5	3	Pump 5 BBL Fresh Water
1023		200	12	3	Pump 100 500 Gal SuperAush
1028		200	5	3	Pump 5 BBL Fresh Water
1032		0	13	3	Plug Rat & Mouse holes w/ 50sk 60/40
1048		200	26	5	Mix 50sk ACon @ 11.4 PPG
1055		100	58	5	Mix 2.15 sk AA-2 @ 14.8 PPG
1108					Shut Down - Clean Lines - Drop plug
1116		100	0	6	Start Displacing
1139		400	92	4	Displacement Reaches Cement
1148		1000	121	2	Slow Rate
1154		1100	131		Bump Plug
1157	1500-0				Release Pressure - Floats Held
Service Units	21755	3811/19919	10276/19883	19827/19566	
Driver Names	Kirby	Ed	Santiago	Ruben	Victor

Customer Representative _____ Station Manager Jerry Bennett Cementer Kirby Harper

ALLIED CEMENTING CO., INC.

KB

Federal Tax I.D.# 48-0727860

27185

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

SERVICE POINT:

Liberal, KS

DATE <i>12-5-12</i>	SEC. <i>31</i>	TWP. <i>28S</i>	RANGE <i>30W</i>	CALLED OUT	ON LOCATION	JOB START <i>1:00 PM</i>	JOB FINISH <i>2:30 PM</i>
LEASEE <i>Shealy/Koehn</i>	WELL# <i>1-31</i>	LOCATION <i>Copland N to Hwy 144</i>	COUNTY <i>OSB</i>	STATE <i>KS</i>			
OLD OR (NEW) (Circle one)							

CONTRACTOR *Stalling #5*
 TYPE OF JOB *8 1/2" SURFACE*
 HOLE SIZE *12 1/4"* T.D. *1874'*
 CASING SIZE *8 1/2"* DEPTH *1874'*
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX *(1000 psi)* MINIMUM *0*
 MEAS. LINE SHOE JOINT *422*
 CEMENT LEFT IN CSG. *47*
 PERFS.
 DISPLACEMENT *116 BBL*

OWNER *SAME*
 CEMENT
 AMOUNT ORDERED *450 SK AMN 1/4" ROSEAL*
150 C" 2 1/2" OC. 1/4" ROSEAL

EQUIPMENT
 PUMP TRUCK CEMENTER *Richard*
 # *519/550* HELPER *Cearson*
 BULK TRUCK *556*
 # *FM# BUN* DRIVER *Fedi*
 BULK TRUCK
 # DRIVER

COMMON <i>"A" 450</i>	@ <i>172</i>	<i>8055.00</i>
POZMIX	@	
GEL	@	
CHLORIDE <i>CL 19SK</i>	@ <i>64</i>	<i>1216.00</i>
ASC	@	
<i>Class "C" "150"</i>	@ <i>24</i>	<i>3660.00</i>
<i>Gyp Seal 9SK</i>	@ <i>37.60</i>	<i>338.80</i>
<i>Flaseal 113#</i>	@ <i>2.97</i>	<i>335.61</i>
<i>Subm. Material</i>	@	
<i>846#</i>	@ <i>330</i>	<i>279.00</i>
HANDLING <i>660.4</i>	@ <i>2.48</i>	<i>1637.92</i>
MILEAGE <i>1196 x</i>		<i>3109.60</i>
TOTAL		<i>21144.90</i>

REMARKS:

Thank You
Call out to surface

SERVICE

DEPTH OF JOB	<i>1874'</i>	
PUMP TRUCK CHARGE		<i>2213.75</i>
EXTRA FOOTAGE	@	
MILEAGE <i>40 mi</i>	@ <i>7.0</i>	<i>308.00</i>
MANIFOLD + HEAD	@	<i>275.00</i>
<i>(Fuel w/)</i>	@ <i>4.00</i>	<i>176.00</i>
TOTAL		<i>2972.75</i>

CHARGE TO: *FALCON Exp*
 STREET
 CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

<i>3-Baskets</i>	@ <i>559.00</i>	<i>1677.00</i>
<i>1-Guide Shoe</i>	@	<i>460.00</i>
<i>1-APU</i>	@	<i>446.00</i>
<i>3-CENTRALIZERS</i>	@ <i>74.00</i>	<i>222.00</i>
<i>1-8 1/2" Top Plug</i>	@	<i>131.00</i>
TOTAL		<i>2941.30</i>

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX *1440.69*
 TOTAL CHARGE *2705.35*
 DISCOUNT *8117.30* IF PAID IN 30 DAYS
18940.83
 PRINTED NAME *Charles Toner*

SIGNATURE *[Signature]*