



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
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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

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: _____



1057290

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 Bbbs.	Gas Mcf	Water Bbbs.	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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	R.JOSSERAND 1-4(SW)
Doc ID	1057290

All Electric Logs Run

DIL
CNL/CDL
MEL
BHCS

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	R.JOSSERAND 1-4(SW)
Doc ID	1057290

Tops

Name	Top	Datum
STOTLER	3528	-708
TARKIO	3603	-783
LANSING	4243	-1423
STARK	4594	-1774
PAWNEE	4823	-2003
CHEROKEE	4869	-2049
MORROW SH	5070	-2250
MISS ST GEN	5176	-2356
ST LOUIS	5252	-2432

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 09, 2011

MICHEAL S MITCHELL
Falcon Exploration, Inc.
125 N MARKET STE 1252
WICHITA, KS 67202-1719

Re: ACO1
API 15-069-20339-00-00
R.JOSSERAND 1-4(SW)
SW/4 Sec.04-28S-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,
MICHEAL S MITCHELL

ALLIED CEMENTING CO., LLC. 30890

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberals KS

DATE <u>2-23-11</u>	SEC. <u>4</u>	TWP. <u>28s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:30 PM</u>
LEASE <u>R Jess and</u>		WELL # <u>1-45w</u>		LOCATION <u>Vec Copland KS</u>		COUNTY <u>Osage</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Sterling
TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>1883</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1878</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>43</u>
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT <u>117 BBL H₂O</u>	
EQUIPMENT	

PUMP TRUCK # <u>372</u>	CEMENTER <u>Kenny</u>
	HELPER <u>Cesar</u>
BULK TRUCK # <u>457-251</u>	DRIVER <u>Lenny</u>
BULK TRUCK # <u>472-468</u>	DRIVER <u>Jose</u>

REMARKS:

THANK YOU!!!

CHARGE TO: FALCON EXPLORATION
STREET _____
CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME Leon Kuhn
SIGNATURE Leon Kuhn

OWNER

CEMENT AMOUNT ORDERED <u>675 SK 65135/6%</u>	
<u>gel 3% CC 25 pps Flo-seal</u>	
<u>150 SK Class A 3% CC 2% gel</u>	
COMMON <u>150</u>	@ <u>15.45</u> <u>2317.50</u>
POZMIX	@
GEL <u>3</u>	@ <u>20.80</u> <u>62.40</u>
CHLORIDE <u>27</u>	@ <u>58.20</u> <u>1571.40</u>
ASC	@
<u>Litemight 675</u>	@ <u>14.80</u> <u>9990.00</u>
<u>Flo-seal 168</u>	@ <u>2.50</u> <u>420.00</u>
	@
	@
	@
	@
HANDLING <u>897</u>	@ <u>2.40</u> <u>2152.80</u>
MILEAGE	<u>4933.50</u>
TOTAL <u>21447.60</u>	

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>2011.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>55</u>	@ <u>7.00</u> <u>385.00</u>
MANIFOLD <u>1</u>	@ <u>113.00</u> <u>113.00</u>
	@
	@
TOTAL <u>2509.00</u>	

PLUG & FLOAT EQUIPMENT

<u>Suger 50</u>	@ <u>1.27</u> <u>63.50</u>
<u>Guide Shoe</u>	@ <u>282</u> <u>282.00</u>
<u>Insert/Float</u>	@ <u>377</u> <u>377.00</u>
<u>Centralizer</u>	@ <u>62</u> <u>248.00</u>
<u>Basket</u>	@ <u>248</u> <u>248.00</u>
<u>Rubber Plug</u>	@ <u>130</u> <u>130.00</u>
TOTAL <u>1348.50</u>	

SALES TAX (If Any) _____
TOTAL CHARGES 2509.00
DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 30899

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal KS.

DATE <u>3-08-11</u>	SEC. <u>4</u>	TWP. <u>28s</u>	RANGE <u>30w</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00 AM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>R. Josseland</u>		WELL # <u>1-45w</u>		LOCATION <u>Vee Cooplard KS.</u>		COUNTY <u>Gary</u>	STATE <u>K.S.</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Sterling

TYPE OF JOB PTA

HOLE SIZE 7 1/8 T.D. _____

CASING SIZE 8 5/8 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT

AMOUNT ORDERED 210 SK 60/40/4

gel

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

Lite weight 210 @ 14.80 3108.00

HANDLING 210 @ 2.40 504.00

MILEAGE _____ 1050.00

TOTAL 4662.00

EQUIPMENT

PUMP TRUCK CEMENTER Kenny

372 HELPER Cesar

BULK TRUCK

457-251 DRIVER Jose

BULK TRUCK

_____ DRIVER _____

REMARKS:

50 SK @ 19.20

40 SK @ 8.50

50 SK @ 4.50

20 SK @ 6.00

30 SK @ RH

20 SK @ MH

THANK YOU!!!

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1185.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 50 @ 7.00 350.00

MANIFOLD _____ @ _____

TOTAL 1535.00

PLUG & FLOAT EQUIPMENT

NA

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL 0

CHARGE TO: FALCON EXPLORATION

STREET _____

CITY _____ STATE _____ ZIP _____

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.

PRINTED NAME ALAN LOFTIS

SIGNATURE Alan Loftis

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

Company	Falcon Exploration, Inc.	Lease Name	R. Josserand (SW)
Address	125 N. Market, Ste. 1252	Lease #	1-4
CSZ	Wichita, KS 76202	Legal Desc	NW-NE-SE-SW
Attn.	Keith Reavis	Section	4
		Township	28S
		County	Gray
		Drilling Cont	Sterling Drilling Co. Rig #5
Job Ticket		State	KS
Range			30W

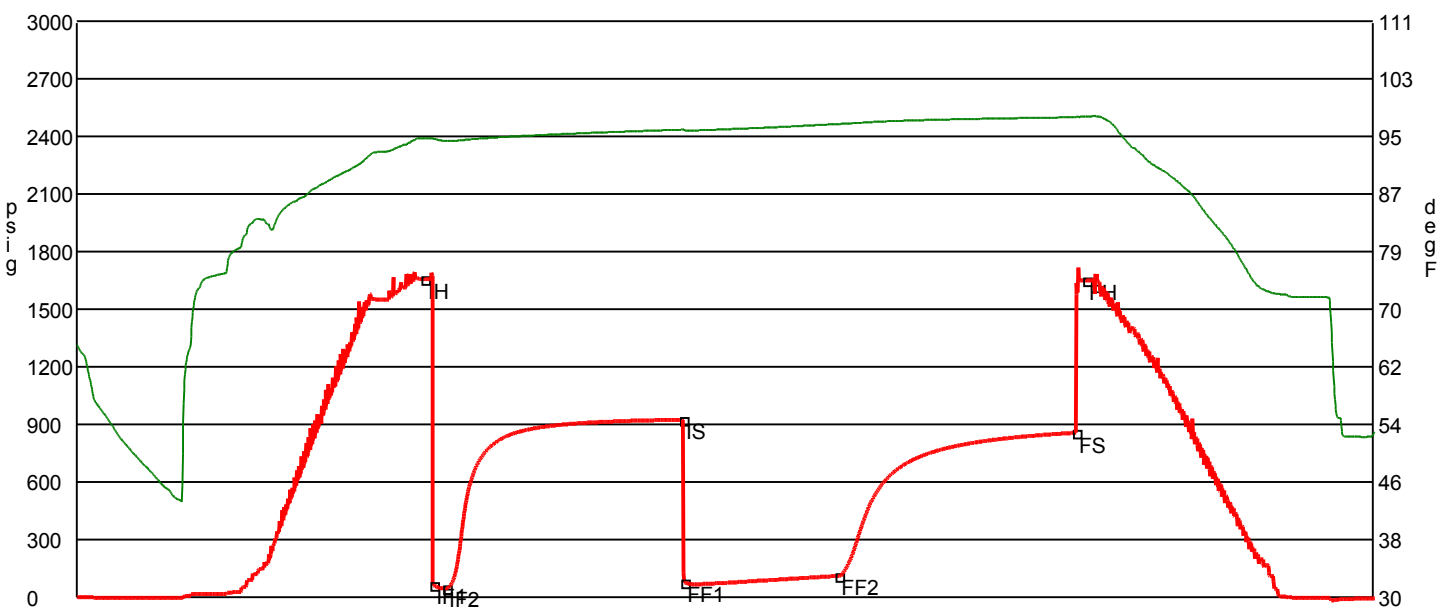
Comments **Legal Description Feet: 1160' FSL & 2000' FWL**

GENERAL INFORMATION

Test # 1	Test Date	2/27/2011	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters		Top Recorder #	W1119		
Test Type	Conventional Bottom Hole Successful Test		Mid Recorder #	W1022		
			Bott Recorder #	13310		
# of Packers	2.0	Packer Size	6 3/4	Mileage	232	Approved By
				Standby Time	0	
Mud Type	Gel Chem			Extra Equipmnt	Jars & Safety joint	
Mud Weight	8.7	Viscosity	59.0	Time on Site	11:20 PM	
Filtrate	7.2	Chlorides	1200	Tool Picked Up	2:40 AM	
				Tool Layed Dwn	10:10 AM	
Drill Collar Len	338.0			Elevation	2807.00	Kelley Bushings
Wght Pipe Len	0					2820.00
Formation	Stotler			Start Date/Time	2/27/2011 1:53 AM	
Interval Top	3496.0	Bottom	3573.0	End Date/Time	2/27/2011 10:09 AM	
Anchor Len Below	77.0	Between	0			
Total Depth	3573.0					
Blow Type	Weak 1/2 inch blow at the start of the initial flow period, building to 3 1/2 in ches. Weak 1/4 inch blow at the start of the final flow period, building to 11 inches. Times: 5, 90, 60, 90.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
95	Gas in Pipe	100% 95ft	0% 0ft	0% 0ft	0% 0ft
150	Mud with a trace of oil	0% 0ft	trace	0% 0ft	100% 150ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	2/27/2011 4:05:10 AM	2.202778	1657.628	94.568	Initial Hydro-static
IF1	2/27/2011 4:08:30 AM	2.258333	65.683	94.474	Initial Flow (1)
IF2	2/27/2011 4:13:20 AM	2.338889	49.168	94.217	Initial Flow (2)
IS	2/27/2011 5:44:10 AM	3.852778	925.756	95.795	Initial Shut-In
FF1	2/27/2011 5:44:40 AM	3.861111	79.457	95.707	Final Flow (1)
FF2	2/27/2011 6:43:40 AM	4.844444	112.481	96.587	Final Flow (2)
FS	2/27/2011 8:14:40 AM	6.361111	858.274	97.538	Final Shut-In
FH	2/27/2011 8:18:40 AM	6.427778	1651.424	97.653	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	R. Josserand (SW)
Address	125 N. Market, Ste. 1252	Lease #	1-4
CSZ	Wichita, KS 76202	Legal Desc	NW-NE-SE-SW
Attn.	Keith Reavis	Section	4
		Township	28S
		County	Gray
		Drilling Cont	Sterling Drilling Co. Rig #5
Job Ticket		State	KS
Range			30W

Comments **Legal Description Feet: 1160' FSL & 2000' FWL**

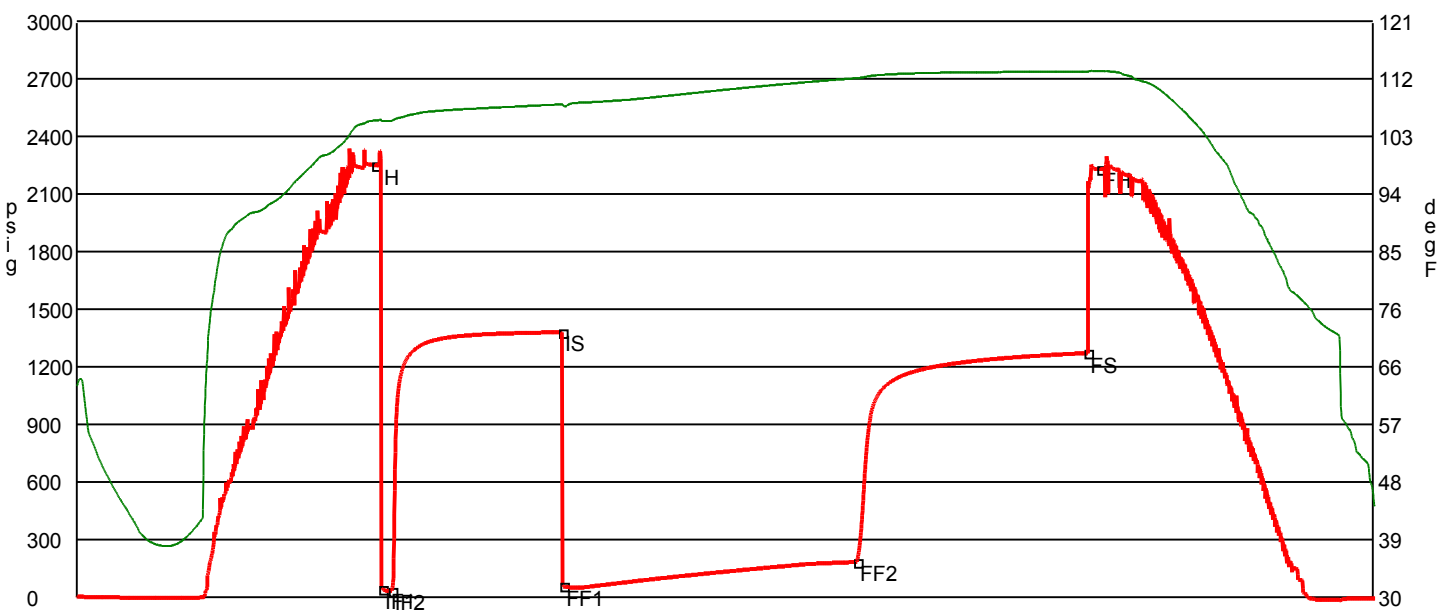
GENERAL INFORMATION

Test # 2	Test Date 3/2/2011	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters		Top Recorder # W1119	
Test Type Conventional Bottom Hole Successful Test		Mid Recorder # W1022	
		Bott Recorder # 13310	
# of Packers 2.0	Packer Size 6 3/4	Mileage 232	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.3	Viscosity 49.0	Time on Site 9:50 PM	
Filtrate 6.8	Chlorides 1400	Tool Picked Up 4:30 AM	
		Tool Layed Dwn 3:00 PM	
Drill Collar Len 338.0		Elevation 2807.00	Kelley Bushings 2820.00
Wght Pipe Len 0			
Formation Lansing-Swope		Start Date/Time 3/2/2011 3:47 AM	
Interval Top 4596.0	Bottom 4621.0	End Date/Time 3/2/2011 3:10 PM	
Anchor Len Below 25.0	Between 0		
Total Depth 4621.0			
Blow Type Weak surface blow at the start of the initial flow period, building to 1 inch. Weak surface blow at the start of the final flow period, building to 9 inches in 130 minutes, where it held the rest of the period. Weak surface blow back duri the final shut-in period, lasting 20-30 minutes. Times: 5, 90, 155, 122.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
250	Very slight mud cut water with a very slight trace of oil	0% 0ft	trace	98% 245ft	2% 5ft
65	Gassy, mud cut water with a very slight trace of oil	2% 1.3ft	trace	68% 44.2ft	30% 19.5ft
65	Gassy, water cut mud with a very slight trace of oil	2% 1.3ft	trace	23% 15ft	75% 48.8ft

DST Fluids **110000**



	Date	Time	Pressure	Temp	
IH	3/2/2011 6:23:00 AM	2.6	2251.122	105.365	Initial Hydro-static
IF1	3/2/2011 6:26:50 AM	2.663889	44.999	105.251	Initial Flow (1)
IF2	3/2/2011 6:31:40 AM	2.744444	36.468	105.316	Initial Flow (2)
IS	3/2/2011 8:01:30 AM	4.241667	1381.742	107.906	Initial Shut-In
FF1	3/2/2011 8:02:10 AM	4.252778	61.602	107.746	Final Flow (1)
FF2	3/2/2011 10:37:00 AM	6.833333	185.561	112.049	Final Flow (2)
FS	3/2/2011 12:38:40 PM	8.861111	1273.32	113.058	Final Shut-In
FH	3/2/2011 12:45:20 PM	8.972222	2233.035	113.151	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Falcon Exploration
125 N Market STE1252
Wichita KS, 67202
ATTN: Brian Fisher

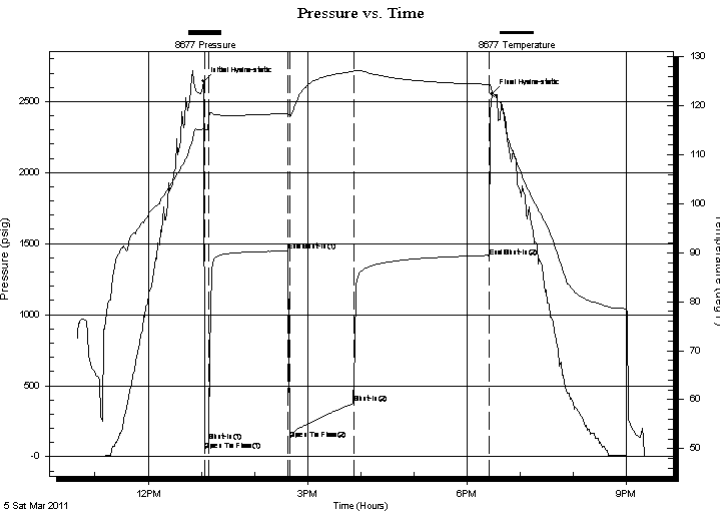
R. Josserand #1-4
4/28s/30w
Job Ticket: 39391 **DST#: 3**
Test Start: 2011.03.05 @ 10:40:27

GENERAL INFORMATION:

Formation: **ST. LOUIS 'B'**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole
Time Tool Opened: 13:03:42 Tester: Mike Slemp
Time Test Ended: 21:20:57 Unit No: 53
Interval: 5250.00 ft (KB) To 5305.00 ft (KB) (TVD) Reference Elevations: 2819.00 ft (KB)
Total Depth: 5305.00 ft (KB) (TVD) 2807.00 ft (CF)
Hole Diameter: 6.75 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8677 Inside
Press @ Run Depth: 376.13 psig @ 5252.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.05 End Date: 2011.03.05 Last Calib.: 2011.03.05
Start Time: 10:40:28 End Time: 21:20:57 Time On Btm: 2011.03.05 @ 13:02:12
Time Off Btm: 2011.03.05 @ 18:27:42

TEST COMMENT: IF- Weak building blow , 6 inches in 6 minutes
IS- No blow back
FF- Strong building blow BOB in 21 minutes
FS- 1/2 inch blow back for duration of shut in 150 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2641.11	115.25	Initial Hydro-static
2	45.38	115.30	Open To Flow (1)
6	111.39	117.28	Shut-In(1)
96	1447.56	118.43	End Shut-In(1)
98	123.57	117.88	Open To Flow (2)
170	376.13	126.97	Shut-In(2)
323	1409.33	124.39	End Shut-In(2)
326	2554.43	122.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM100% mud skim of oil	0.59
120.00	WCM60% water 40% mud	0.59
731.00	WCM80% water 20% mud	9.08

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration
125 N Market STE1252
Wichita KS, 67202
ATTN: Brian Fisher

R. Josserand #1-4
4/28s/30w
Job Ticket: 39391 **DST#: 3**
Test Start: 2011.03.05 @ 10:40:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	50000 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCM100%mud skim of oil	0.590
120.00	WCM60%w ater40%mud	0.590
731.00	WCM80%w ater20%mud	9.079

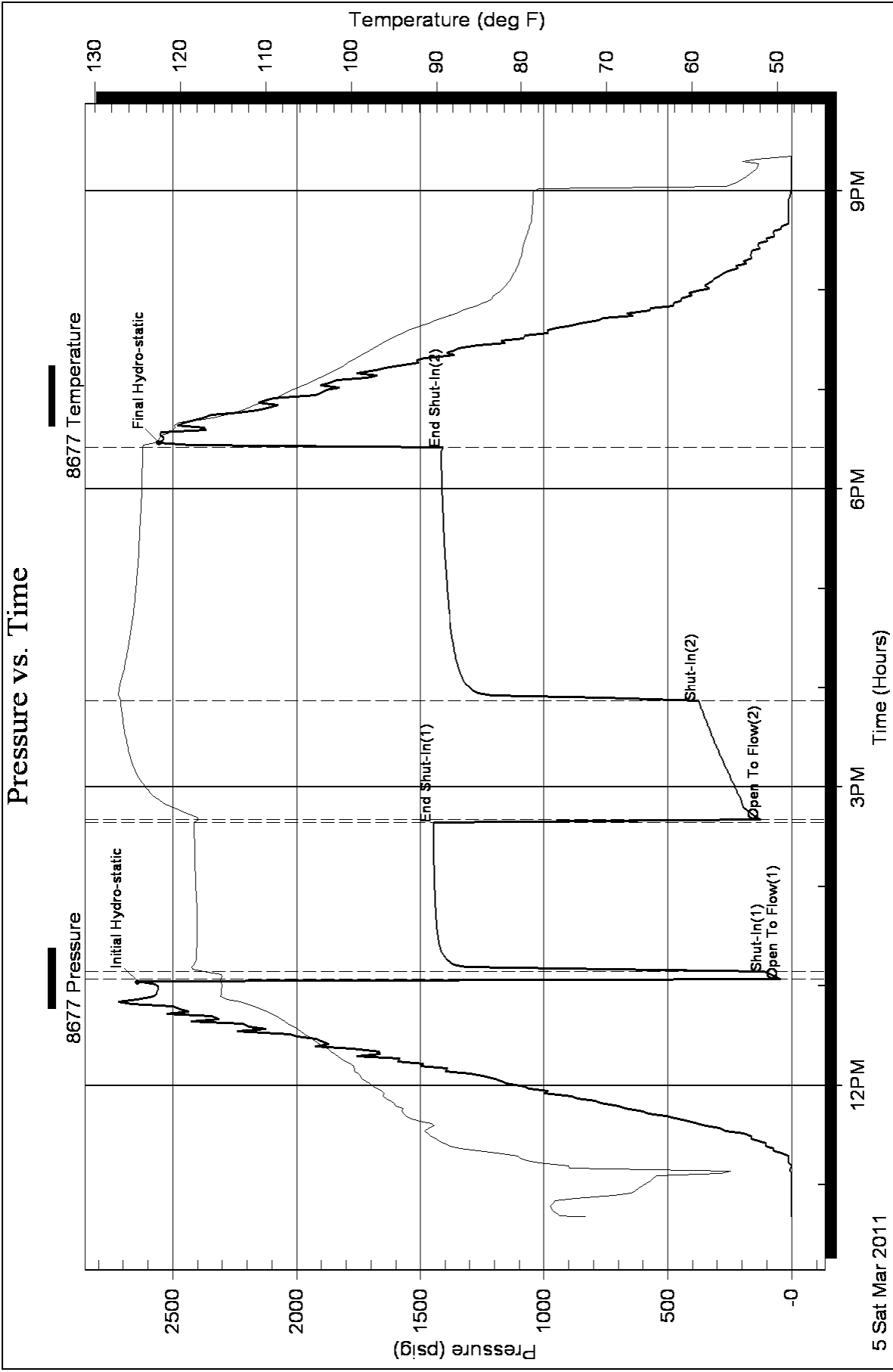
Total Length: 971.00 ft Total Volume: 10.259 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Falcon Exploration
125 N Market STE1252
Wichita KS, 67202
ATTN: Brian Fisher

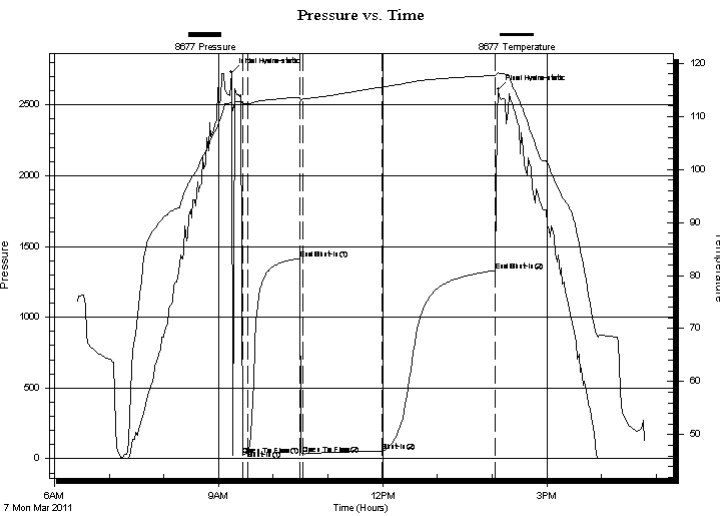
R. Josserand #1-4
4/28s/30w
Job Ticket: 39392 **DST#: 4**
Test Start: 2011.03.07 @ 06:25:24

GENERAL INFORMATION:

Formation: **ST.Louis, Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:26:09
 Time Test Ended: 16:47:24
 Interval: **5254.00 ft (KB) To 5280.00 ft (KB) (TVD)**
 Total Depth: 5398.00 ft (KB) (TVD)
 Hole Diameter: 6.75 inches Hole Condition: Good
 Test Type: Conventional Straddle
 Tester: Mike Slemp
 Unit No: 53
 Reference Elevations: 2819.00 ft (KB)
 2807.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8677 Inside
 Press @ Run Depth: 55.95 psig @ 5255.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.07 End Date: 2011.03.07 Last Calib.: 2011.03.07
 Start Time: 06:25:25 End Time: 16:47:24 Time On Btm: 2011.03.07 @ 09:14:09
 Time Off Btm: 2011.03.07 @ 14:06:39

TEST COMMENT: IF- Weak blow v 1/2 inch in 5 min
 IS- No blow back
 FF- Weak blow 2 inches in 90 min
 FS- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2729.71	112.63	Initial Hydro-static
12	27.49	112.44	Open To Flow (1)
18	59.28	112.39	Shut-In(1)
75	1412.14	113.62	End Shut-In(1)
78	32.45	113.29	Open To Flow (2)
165	55.95	115.51	Shut-In(2)
290	1330.47	117.69	End Shut-In(2)
293	2608.54	118.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	100% mud skim of oil	0.64

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration

R. Josserand #1-4

125 N Market STE1252
Wichita KS, 67202

4/28s/30w

Job Ticket: 39392

DST#: 4

ATTN: Brian Fisher

Test Start: 2011.03.07 @ 06:25:24

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	100% mud skim of oil	0.639

Total Length: 130.00 ft Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

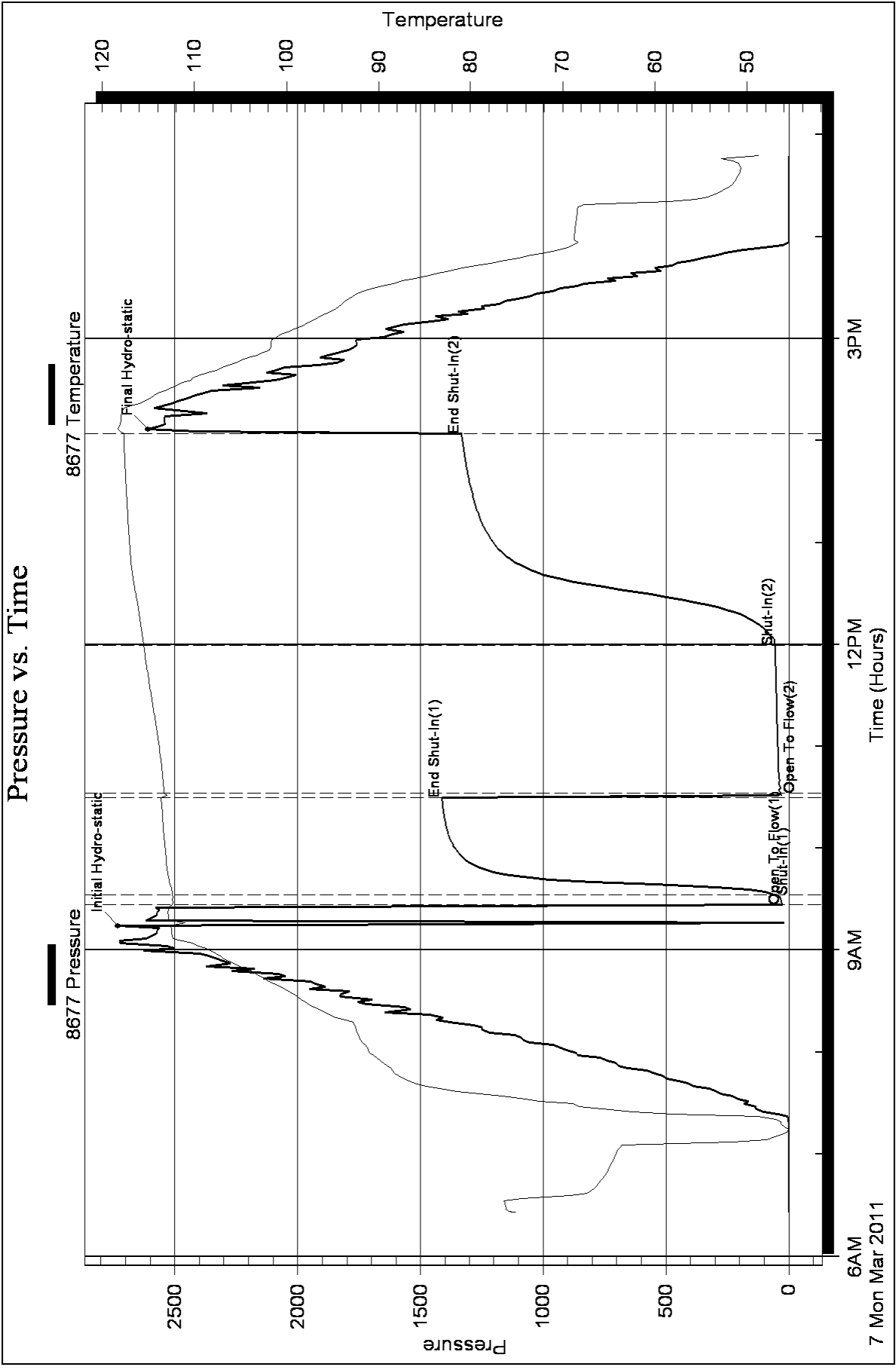
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



OPERATOR

Company: Falcon Exploration, Inc
 Address: 125 N. Market
 Suite 1252
 Wichita, KS 67202
 Contact Geologist: Brian Fisher
 Contact Phone Nbr: 316-262-1378
 Well Name: R. Josserand #1-4 (SW)
 Location: Sec. 4 - T28S - R30W
 Pool:
 State: Kansas
 API: 15-069-20339-0000
 Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: R. Josserand #1-4 (SW)
 Surface Location: Sec. 4 - T28S - R30W
 Bottom Location:
 API: 15-069-20339-0000
 License Number: 5316
 Spud Date: 2/21/2011 Time: 00:00
 Region: Gray, Co.
 Drilling Completed: 3/6/2011 Time: 11:30
 Surface Coordinates: 1160' FSL & 2000' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2807.00ft
 K.B. Elevation: 2820.00ft
 Logged Interval: 2650.00ft To: 5400.00ft
 Total Depth: 5400.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 1160' FSL
 E/W Co-ord: 2000' FWL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: KLG #136
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: Geologist Name: Keith Reavis

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 2/21/2011 Time: 00:00
 TD Date: 3/6/2011 Time: 11:30
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2820.00ft Ground Elevation: 2807.00ft
 K.B. to Ground: 13.00ft

NOTES

Due to negative results from Drill Stem Tests #1-4, and evaluation of electrical logs, it was determined by all parties that the R. Josserand #1-4 be plugged and abandoned as a dry test.

The drilling samples from this well were saved and will be available for review at the Kansas Geological Well Sample Library located in Wichita, KS

Note: All sample tops and drill time were on the average 3 to 4 ft. low to the actual measured depths as depicted by the plotted Gamma Ray from appx. 3600' to TD on this log.

Respectfully submitted
Keith Reavis and Brian Fisher

Daily Drilling Report and Well Comparison Sheet

DATE	7:00 AM DEPTH	REMARKS
02/25/2011	2733	Geologist Keith Reavis on location @ 0610 hrs, 2714 ft., drilling Chase Group, Towanda, Ft. Riley
02/26/2011	3250	drilling ahead, Cottonwood, Neva – displace mud system @ 3175' drill Foraker, Stotler, gas kick in Stotler warrants DST, short trip, TOH
02/27/2011	3573	TIH w/test tools, conducting and complete DST #1, successful test, TIH/w bit, resume drilling, Tarkio, Topeka
02/28/2011	3981	drilling, Topeka, Lecompton, Heebner, Toronto, Douglas, Lansing
03/01/2011	4442	drilling ahead, Lansing, kick and show in Swope, warrants DST short trip, trip out for DST #2
03/02/2011	4621	conducting DST #2, conduct and complete DST, successful test resume drilling
03/03/2011	4790	drilling ahead, lower KC, Marmaton, Pawnee, Cherokee, geologist Brian Fisher on location, preparing to relieve Geologist Keith Reavis
03/04/2011	5068	drilling ahead, Cherokee, Morrow, St. Gen
03/05/2011	5305	Drilled up St. Louis porosity zones, show warrents Dst, Short trip, TOH for Dst #3, 5250 -5305', Geologist Brian Fisher, relieves Keith Reavis
03/06/2011	5355	RTD 5400 at 11:30 am. Logged well. Preparing to run Straddle Dst #4
03/07/2011	5400	Runing Dst #4: 5254-5280.
03/08/2011	5400	Test results for Dst #4 were negative, Plugging well.

DRILLING WELL R. Josserand #1-4 1160' FSL & 2000' FWL Sec. 4 T28S R30W					COMPARISON WELL Falcon – Nuss #1-4 330' FNL & 2070' FWL Sec. 4 T28S R30W				COMPARISON WELL Falcon - #1 Nichols C SE SW Sec. 3 T28S R30W			
2820 KB					2819 KB		Structural Relationship		2812 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Chase	2685	135	2682	138	2673	146	-11	-8	2667	145	-10	-7
Winfield	2758	62	2746	74	2746	73	-11	1	2737	75	-13	-1
Towanda	2803	17	2796	24	2794	25	-8	-1	2784	28	-11	-4
Ft. Riley	2854	-34	2847	-27	2846	-27	-7	0	2833	-21	-13	-6
Neva	3184	-364	3175	-355	3173	-354	-10	-1	3160	-348	-16	-7
Foraker	3290	-470	3283	-463	3283	-464	-6	1	3270	-458	-12	-5
Stotler	3530	-710	3528	-708	3530	-711	1	3	3513	-701	-9	-7
Topeka	3805	-985	3803	-983	3801	-982	-3	-1	3784	-972	-13	-11
Lecompton	3965	-1145	3960	-1140	3963	-1144	-1	4	3942	-1130	-15	-10
Heebner	4141	-1321	4138	-1318	4133	-1314	-7	-4	4128	-1316	-5	-2
Lansing	4247	-1427	4243	-1423	4240	-1421	-6	-2	4226	-1414	-13	-9
Stark	4597	-1777	4594	-1774	4581	-1762	-15	-12	4572	-1760	-17	-14
Marmaton	4738	-1918	4734	-1914	4720	-1901	-17	-13	4724	-1912	-6	-2
Pawnee	4827	-2007	4823	-2003	4814	-1995	-12	-8	4807	-1995	-12	-8
Cherokee	4872	-2052	4869	-2049	4859	-2040	-12	-9	4855	-2043	-9	-6
Morrow	5072	-2252	5070	-2250	5039	-2220	-32	-30	5053	-2241	-11	-9
Miss St. Gen.	5172	-2352	5176	-2356	5155	-2336	-16	-20	5141	-2329	-23	-27
St. Louis A por	5263	-2443	5260	-2440	5262	-2443	0	3	5242	-2430	-13	-10
St. Louis B por	5291	-2471	5288	-2468	5278	-2459	-12	-9				
Total Depth	5400	-2580	5398	-2578	5406	-2587	7	9	5418	-2606	26	28

Drill Stem Test #1

RICKETTS TESTING

(620) 326-5830

Page 1

Company **Falcon Exploration, Inc.**
 Address **125 N. Market, Ste. 1252**
 CSZ **Wichita, KS 76202**
 Attn. **Keith Reavis**

Lease Name **R. Josserand (SW)**
 Lease # **1-4**
 Legal Desc **NW-NE-SE-SW** Job Ticket **2142**
 Section **4** Range **30W**
 Township **28S**
 County **Gray** State **KS**
 Drilling Cont **Sterling Drilling Co. Rig #5**

Comments **Legal Description Feet: 1160' FSL & 2000' FWL**

GENERAL INFORMATION

Test # 1 Test Date **2/27/2011**
 Tester **Tim Venters**
 Test Type **Conventional Bottom Hole Successful Test**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1022**
 Bott Recorder # **13310**

of Packers **2.0** Packer Size **6 3/4**

Mileage **232** Approved By

Mud Type **Gel Chem**
 Mud Weight **8.7** Viscosity **59.0**
 Filtrate **7.2** Chlorides **1200**

Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **11:20 PM**
 Tool Picked Up **2:40 AM**
 Tool Layed Dwn **10:10 AM**

Drill Collar Len **338.0**
 Wght Pipe Len **0**

Elevation **2807.00** Kelley Bushings **2820.00**

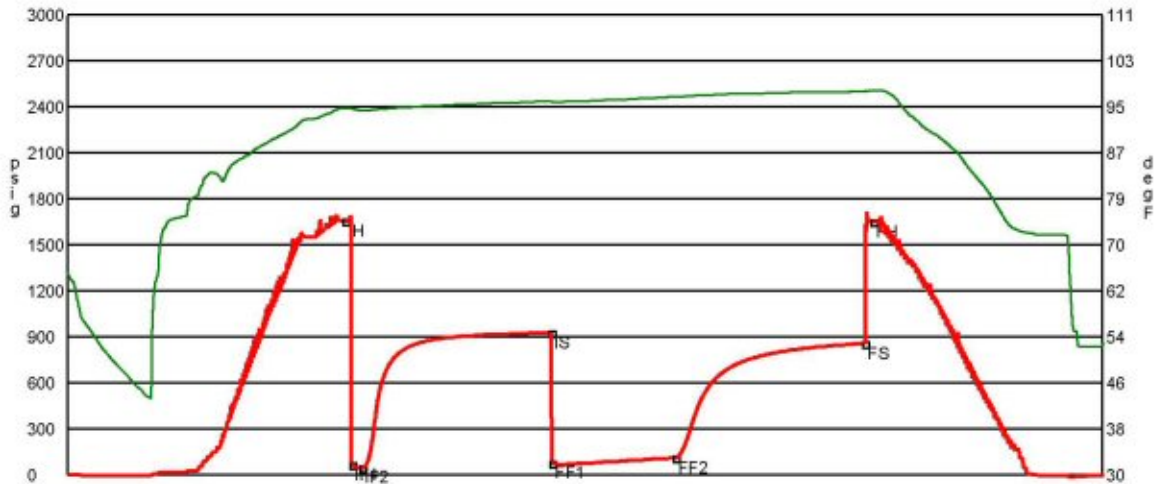
Formation **Stotler**
 Interval Top **3496.0** Bottom **3573.0**
 Anchor Len Below **77.0** Between **0**
 Total Depth **3573.0**

Start Date/Time **2/27/2011 1:53 AM**
 End Date/Time **2/27/2011 10:09 AM**

Blow Type **Weak 1/2 inch blow at the start of the initial flow period, building to 3 1/2 in ches. Weak 1/4 inch blow at the start of the final flow period, building to 11 inches. Times: 5, 90, 60, 90.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
95	Gas in Pipe	100% 95ft	0% 0ft	0% 0ft	0% 0ft
150	Mud with a trace of oil	0% 0ft	trace	0% 0ft	100% 150ft



	Date	Time	Pressure	Temp		
IH	2/27/2011	4:05:10 AM	2.202778	1657.628	94.568	Initial Hydro-static
IF1	2/27/2011	4:08:30 AM	2.258333	65.683	94.474	Initial Flow (1)
IF2	2/27/2011	4:13:20 AM	2.338889	49.168	94.217	Initial Flow (2)
IS	2/27/2011	5:44:10 AM	3.852778	925.756	95.795	Initial Shut-In
FF1	2/27/2011	5:44:40 AM	3.861111	79.457	95.707	Final Flow (1)
FF2	2/27/2011	6:43:40 AM	4.844444	112.481	96.587	Final Flow (2)
FS	2/27/2011	8:14:40 AM	6.361111	858.274	97.538	Final Shut-In
FH	2/27/2011	8:18:40 AM	6.427778	1651.424	97.653	Final Hydro-static

Drill Stem Test #2

RICKETTS TESTING

(620) 326-5830

Page 1

Company **Falcon Exploration, Inc.**
 Address **125 N. Market, Ste. 1252**
 CSZ **Wichita, KS 76202**
 Attn. **Keith Reavis**

Lease Name **R. Josserand (SW)**
 Lease # **1-4**
 Legal Desc **NW-NE-SE-SW** Job Ticket **2142**
 Section **4** Range **30W**
 Township **28S**
 County **Gray** State **KS**
 Drilling Cont **Sterling Drilling Co. Rig #5**

Comments **Legal Description Feet: 1160' FSL & 2000' FWL**

GENERAL INFORMATION

Test # **2** Test Date **3/2/2011**
 Tester **Tim Venters**
 Test Type **Conventional Bottom Hole Successful Test**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **W1119**
 Mid Recorder # **W1022**
 Bott Recorder # **13310**

of Packers **2.0** Packer Size **6 3/4**

Mileage **232** Approved By

Mud Type **Gel Chem**
 Mud Weight **9.3** Viscosity **49.0**
 Filtrate **6.8** Chlorides **1400**

Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **9:50 PM**
 Tool Picked Up **4:30 AM**
 Tool Layed Dwn **3:00 PM**

Drill Collar Len **338.0**
 Wght Pipe Len **0**

Elevation **2807.00** Kelley Bushings **2820.00**

Formation **Lansing-Swope**
 Interval Top **4596.0** Bottom **4621.0**
 Anchor Len Below **25.0** Between **0**

Start Date/Time **3/2/2011 3:47 AM**
 End Date/Time **3/2/2011 3:10 PM**

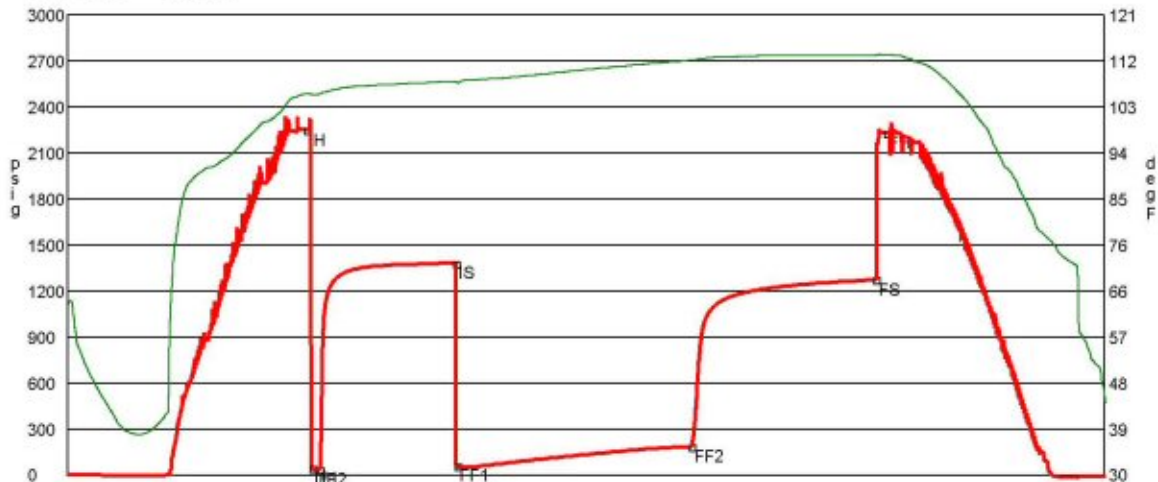
Total Depth **4621.0**
 Blow Type

**Weak surface blow at the start of the initial flow period, building to 1 inch.
 Weak surface blow at the start of the final flow period, building to 9 inches in
 130 minutes, where it held the rest of the period. Weak surface blow back duri
 ng the final shut-in period, lasting 20-30 minutes. Times: 5, 90, 155, 122.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
250	Very slight mud cut water with a very slight trace of oil	0%	0ft	trace	98% 245ft 2% 5ft
65	Gassy, mud cut water with a very slight trace of oil	2%	1.3ft	trace	68% 44.2ft 30% 19.5ft
65	Gassy, water cut mud with a very slight trace of oil	2%	1.3ft	trace	23% 15ft 75% 48.8ft

DST Fluids **110000**



Date	Time	Pressure	Temp	
3/2/2011 6:23:00 AM	2.6	2251.122	105.365	Initial Hydro-static
3/2/2011 6:26:50 AM	2.663889	44.999	105.251	Initial Flow (1)
3/2/2011 6:31:40 AM	2.744444	36.468	105.316	Initial Flow (2)
3/2/2011 8:01:30 AM	4.241667	1381.742	107.906	Initial Shut-In
3/2/2011 8:02:10 AM	4.252778	61.602	107.746	Final Flow (1)
3/2/2011 10:37:00 AM	6.833333	185.561	112.049	Final Flow (2)
3/2/2011 12:38:40 PM	8.861111	1273.32	113.058	Final Shut-In
3/2/2011 12:45:20 PM	8.972222	2233.035	113.151	Final Hydro-static

Drill Stem Test #3



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Falcon Exploration
125 N Market STE1252
Wichita KS, 67202
ATTN: Brian Fisher

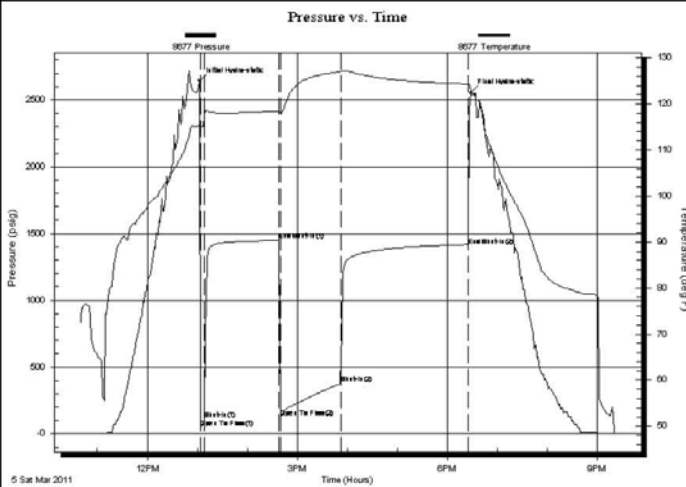
R. Josserand #1-4
4/28s/30w
Job Ticket: 39391 **DST#: 3**
Test Start: 2011.03.05 @ 10:40:27

GENERAL INFORMATION:

Formation: **ST. Louis B'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:03:42
Time Test Ended: 21:20:57
Test Type: Conventional Bottom Hole
Tester: Mike Slemp
Unit No: 53
Interval: **5250.00 ft (KB) To 5305.00 ft (KB) (TVD)**
Reference Elevations: 2819.00 ft (KB)
Total Depth: 5305.00 ft (KB) (TVD) 2807.00 ft (CF)
Hole Diameter: 6.75 inches Hole Condition: Good KB to GR/CF: 12.00 ft

Serial #: 8677 Inside
Press@RunDepth: 376.13 psig @ 5252.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.05 End Date: 2011.03.05 Last Calib.: 2011.03.05
Start Time: 10:40:28 End Time: 21:20:57 Time On Btm: 2011.03.05 @ 13:02:12
Time Off Btm: 2011.03.05 @ 18:27:42

TEST COMMENT: IF- Weak building blow , 6 inches in 6 minutes
IS- No blow back
FF-Strong building blow BOB in 21 minutes
FS- 1/2 inch blow back for duration of shut in 150 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2641.11	115.25	Initial Hydro-static
2	45.38	115.30	Open To Flow (1)
6	111.39	117.28	Shut-In(1)
96	1447.56	118.43	End Shut-In(1)
98	123.57	117.88	Open To Flow (2)
170	376.13	126.97	Shut-In(2)
323	1409.33	124.39	End Shut-In(2)
326	2554.43	122.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCM100% mud skim of oil	0.59
120.00	WCM60% w ater 40% mud	0.59
731.00	WCM80% w ater 20% mud	9.08

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Falcon Exploration
 125 N Market STE1252
 Wichita KS, 67202
 ATTN: Brian Fisher

R. Josserand #1-4
4/28s/30w
 Job Ticket: 39392 **DST#: 4**
 Test Start: 2011.03.07 @ 06:25:24

GENERAL INFORMATION:

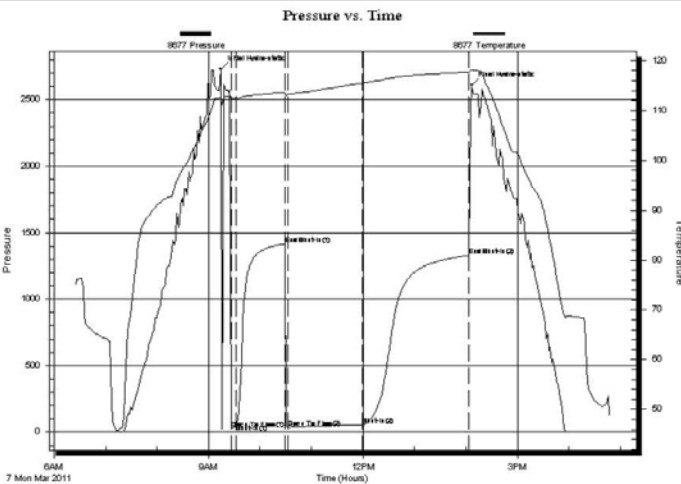
Formation: **ST.Louis, Miss**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:26:09
 Time Test Ended: 16:47:24
 Test Type: Conventional Straddle
 Tester: Mike Slemp
 Unit No: 53
 Interval: **5254.00 ft (KB) To 5280.00 ft (KB) (TVD)**
 Total Depth: 5398.00 ft (KB) (TVD)
 Hole Diameter: 6.75 inches Hole Condition: Good
 Reference Elevations: 2819.00 ft (KB)
 2807.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8677

Inside

Press@RunDepth: 55.95 psig @ 5255.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.03.07 End Date: 2011.03.07 Last Calib.: 2011.03.07
 Start Time: 06:25:25 End Time: 16:47:24 Time On Btm: 2011.03.07 @ 09:14:09
 Time Off Btm: 2011.03.07 @ 14:06:39

TEST COMMENT: IF- Weak blow v 1/2 inch in 5 min
 IS- No blow back
 FF- Weak blow 2 inches in 90 min
 FSI- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2729.71	112.63	Initial Hydro-static
12	27.49	112.44	Open To Flow (1)
18	59.28	112.39	Shut-In(1)
75	1412.14	113.62	End Shut-In(1)
78	32.45	113.29	Open To Flow (2)
165	55.95	115.51	Shut-In(2)
290	1330.47	117.69	End Shut-In(2)
293	2608.54	118.28	Final Hydro-static

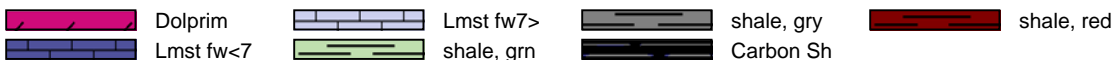
Recovery

Length (ft)	Description	Volume (bbl)
130.00	100% mud skim of oil	0.64

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

ROCK TYPES



ACCESSORIES

ACCESSORIES

MINERAL

- Argillaceous
- ▲ Chert, dark
- △ Chert, white
- ∇ Dolomitic
- ∩ Glauconite
- × Mineral Crystals
- P Pyrite
- Sandy
- △ Chert White

FOSSIL

- ∩ Bioclastic or Fragmental
- F Fossils < 20%
- ⊙ Oolite
- ∩ Pellets
- ⊙ Oomoldic

STRINGER

- Limestone
- Sandstone
- Shale
- red shale

TEXTURE

- C Chalky
- CX Cryptocrystalline
- L Lithogr
- MX Microxln

OTHER SYMBOLS

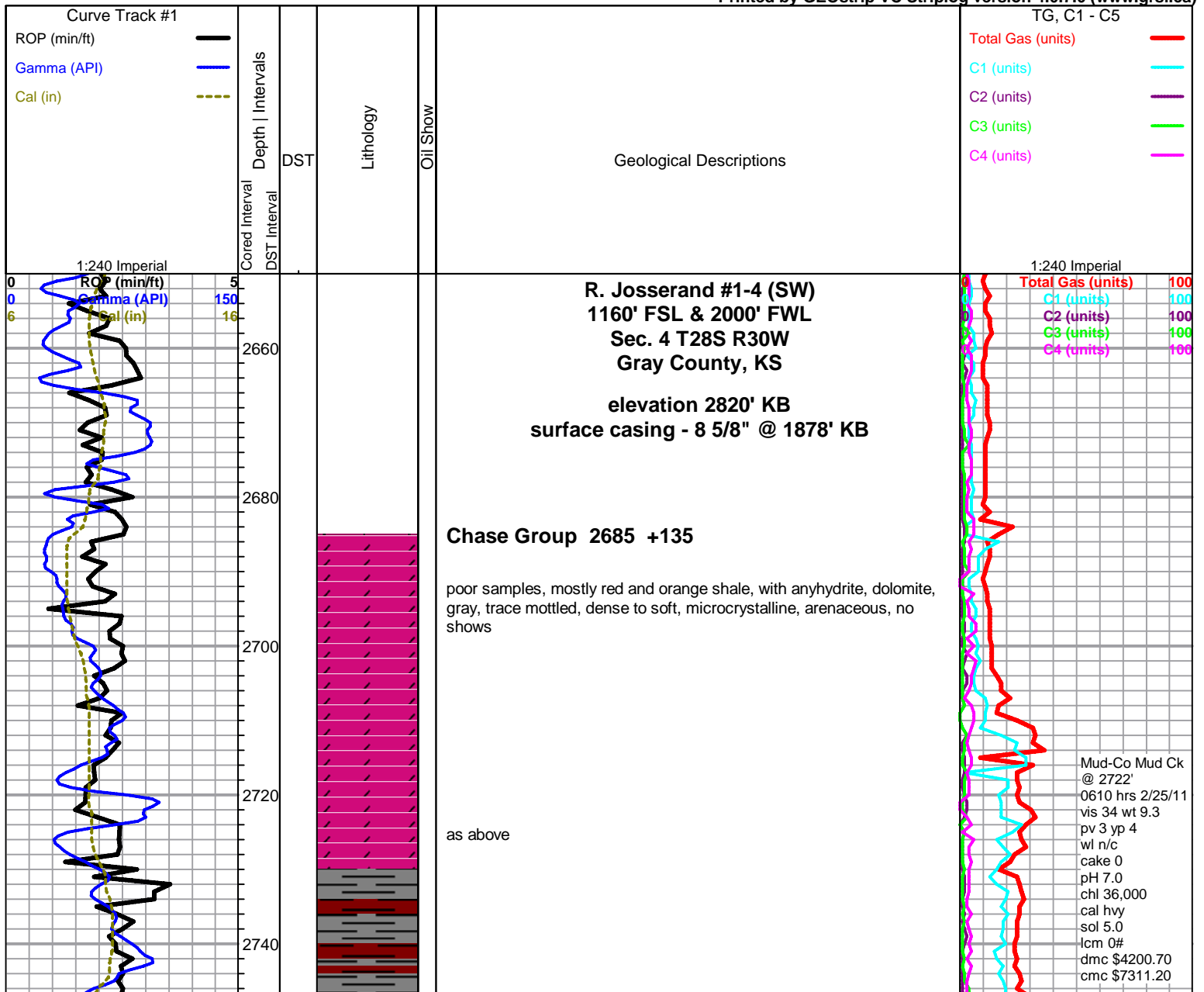
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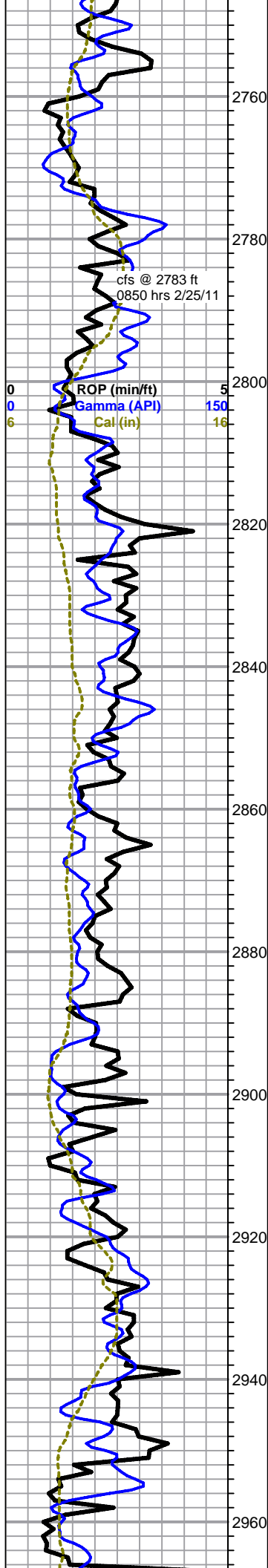
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- 📷 Digital Photo
- 📄 Document
- 📁 Folder
- 🔗 Link
- 📊 Vertical Log File
- 📊 Horizontal Log File
- 📊 Core Log File
- 📊 Drill Cuttings Rpt

DST

- DST Int
- DST alt

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Winfield 2758 +62

dolomite, gray mottled, microcrystalline, altered fossiliferous, some small vugs, no shows, poor samples, very small specimens, faint green fluorescence

Towanda 2803 +17

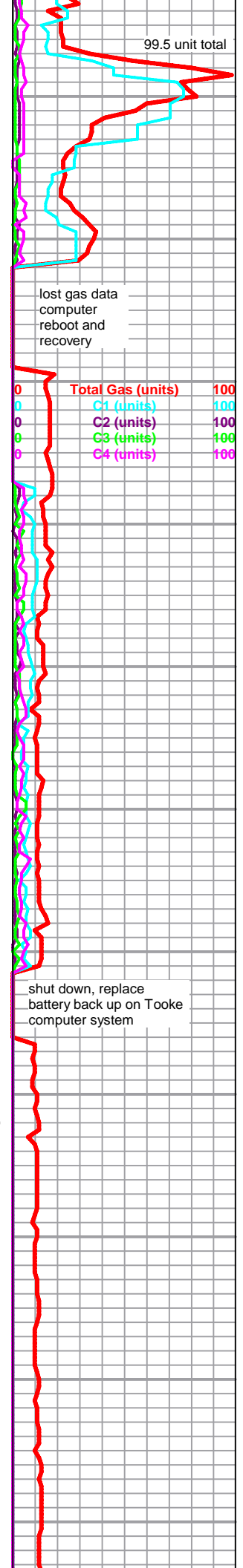
poor samples, very fine, mostly shale and anhydrite, some gray mottled dolomite, very fine samples

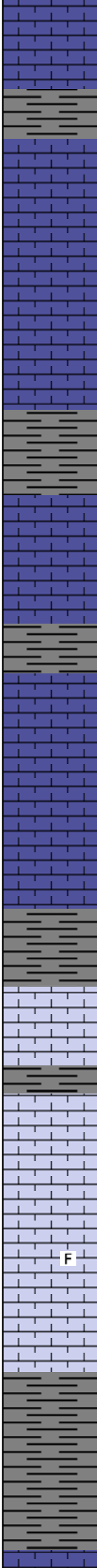
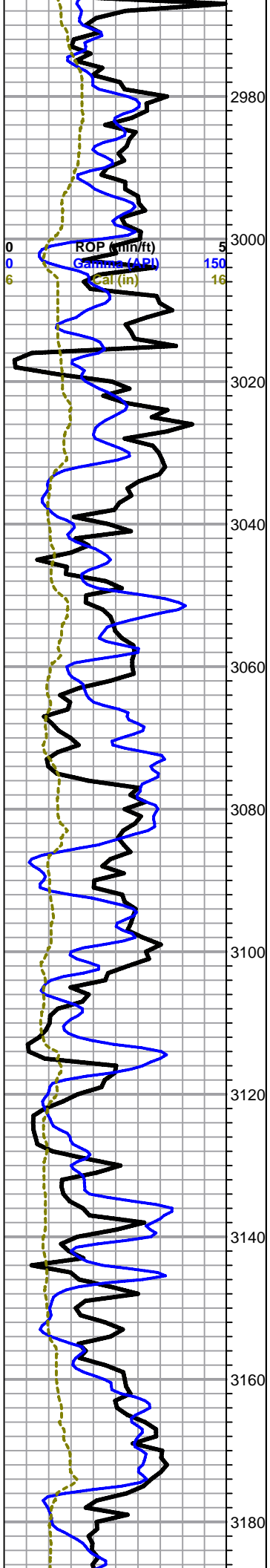
Ft. Riley 2854 -34

poor samples, shales and anhydrites, very fine, abundant gray grainy dolomite, microcrystalline, mottled, very fine specimens

poor samples as above, some dense dark gray dolomite, arneaceous to microcrystalline lithographic, no shows

poor samples, red and gray shale and anhydrite





poor samples, some light gray to gray green, limestone, very small specimens

poor samples

poor samples, some white grainy microcrystalline limestone

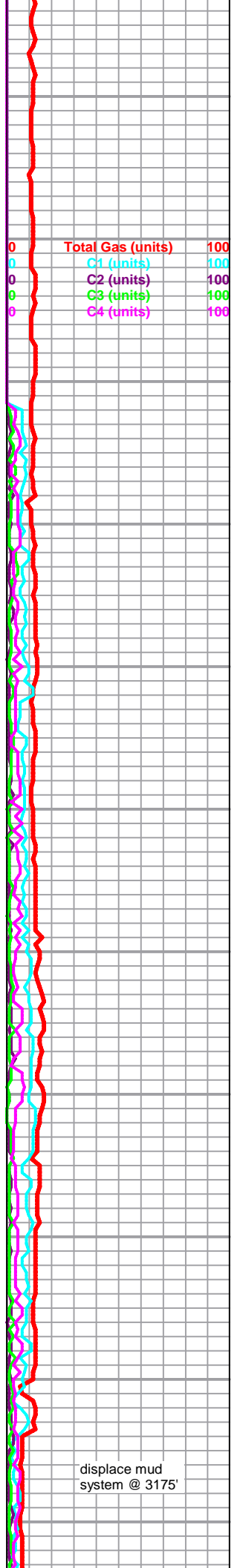
Cottonwood 3104

poor samples, all shale and anhydrite, trace white grainy limestone

as above

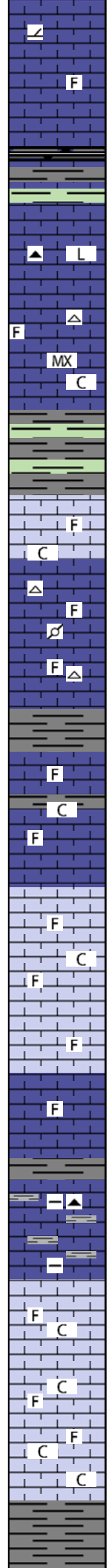
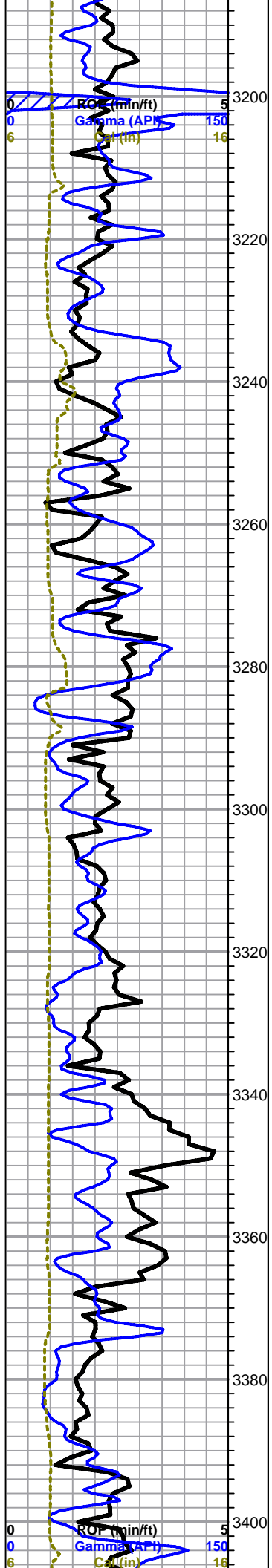
F

poor samples, some scattered light gray and white slightly fossiliferous limestone, fairly dense, small specimens, no shows



displace mud system @ 3175'

Neva 3184 -364



samples clean up in 3200' sample after displacement

limestone, light gray to gray green, microcrystalline, arenaceous, slightly dolomitic, scattered fossiliferous, no shows

limestone as above with limestone, tan to light gray, dense, cherty, lithographic to microcrystalline, flood tan and gray cherts, some fossiliferous

grading to limestone, cream to gray, grainy, some mottled, fossiliferous, chalky in part, still carrying some chert, no shows

limestone, cream to gray, microcrystalline, fossiliferous, grainy, chalky in part, no shows, some fossiliferous and spiculitic cherts, some chalk

limestone, mixed tan to cream and gray, microcrystalline, dense, fossiliferous, some pelletal

Foraker 3290 -470

limestone, white to cream and light gray, micro-cryptocrystalline, slightly fossiliferous, dense and cherty in part, poor visible porosity, no shows, with stingers dark gray cherty limestone, some mottled, abundant chalk in samples

limestone, gray, mottled, very fossiliferous, mostly dense, some chalky, no shows

limestone, mixed gray to dark gray, micro to cryptocrystalline, fossiliferous, mostly dense, no shows

limestone, dark gray, shaley to arenaceous and argillaceous

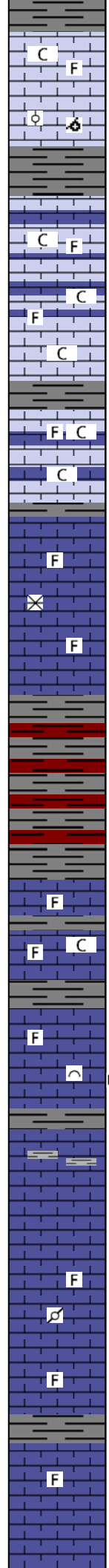
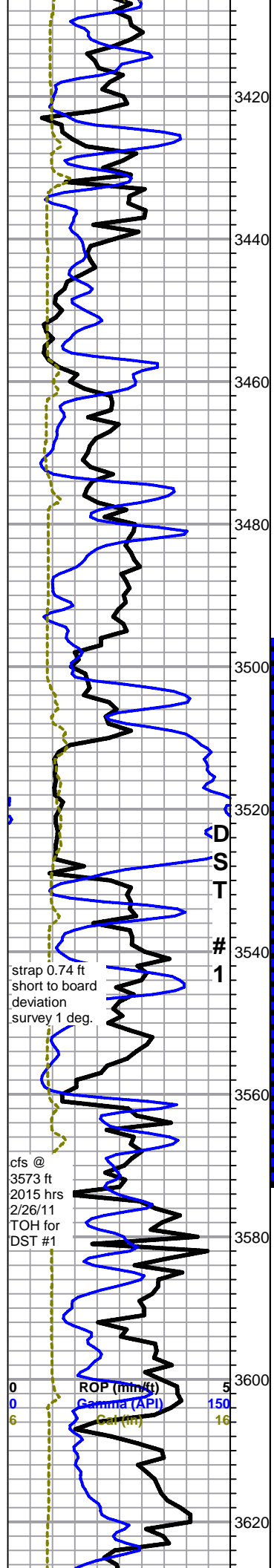
limestone, mixed grainy fossiliferous, very chalky to weathered, abundant chalk in samples, samples wash heavy chalky, no shows

as above

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Mud-Co Mud Ck
@ 3237'
0605 hrs 2/26/11
vis 59 wt 8.7
pv 20 yp 21
wl 7.2
cake 1/32
pH 11.0
chl 1200
cal 20
sol 2.8
lcm 2#
dmc \$2432.45
cmc \$9743.55

Total Gas (units) 100
C1 (units) 100
C2 (units) 100



as above

limestone, cream, micro-oolitic, some oomoldic, fair moldic porosity, no shows

as above

limestone, cream to light gray, microcrystalline, fossiliferous, some chalky, grainy in part, fairly dense, poor visible porosity, abundant chalk in samples, no shows

as above

limestone, variable gray and tan, some mottled, microcrystalline, fossiliferous, mostly dense, no shows, some calcite crystals, some chalk

soft red and gray shale and clay, samples wash pink

DST #1 3496-3573, 5-90-60-90, rec 95' GIP, 150' mud, FP's 65-49# & 79-112#, ISIP 925#, FSIP 858#, HSH 1657-1651#, BHT 97 deg F

Stotler 3530 -710

limestone, gray to cream and pale green, microcrystalline, slightly chalky but dense, some scattered dense oolitic, no shows

limestones, light gray to cream, cryptocrystalline, fossiliferous to bioclastic, some grainy, dense to slightly chalky, some pin-point porosity, no shows, fair to good even fluorescence, some mottled pelletal, chalky, no shows

2-27-2011 R Josserand #1-4 (SW) DST #1.pdf

poor samples, trip trash

limestone, dark gray, mottled, microcrystalline, pelletal and fossiliferous, dense, no shows

Tarkio 3609 -789

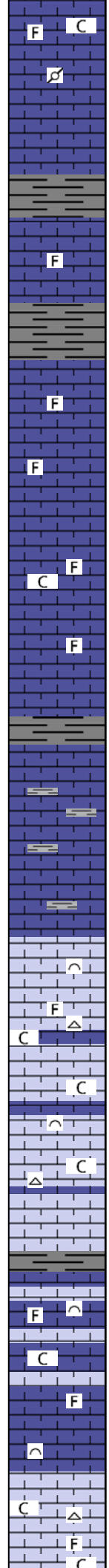
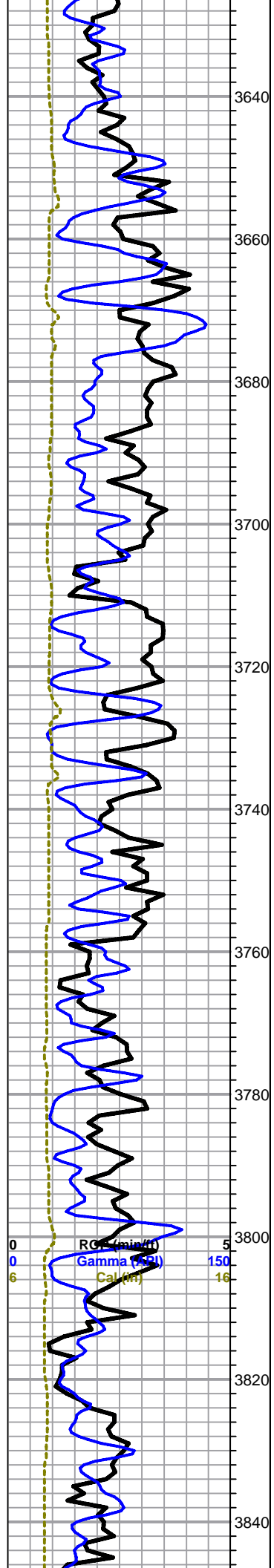
limestone, cream, chalky, fossiliferous and limestone, light gray to gray green, microcrystalline, arenaceous

C3 (units) 100
C4 (units) 100

51 unit total

Mud-Co Mud Ck @ 3573' 0635 hrs 2/27/11 vis 46 wt 9.0 pv 14 yp 16 wl 7.6 cake 1/32 pH 10.5 chl 1350 cal 20 sol 4.9 lcm 2# dmc \$696.15 cmc \$10439.70

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100



limestone, gray to tan, mottled, fossiliferous to pelletal, chalky in part, no shows, moderate chalk in samples

as above

limestone, gray to cream and tan, mixed fossiliferous, with light gray/green, dense, arenaceous, no shows

Bern
 limestone, cream to light gray, microcrystalline, fossiliferous, mostly dense, some chalky, no shows

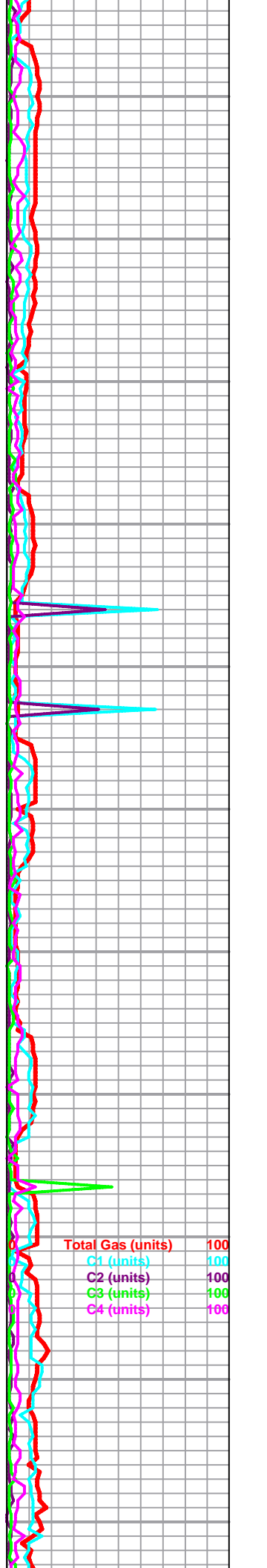
limestone, mixed gray to cream, dense, fossiliferous, abundant gray shaley to arenaceous limestone, dense, no shows

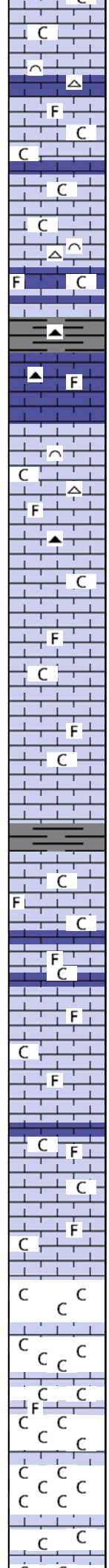
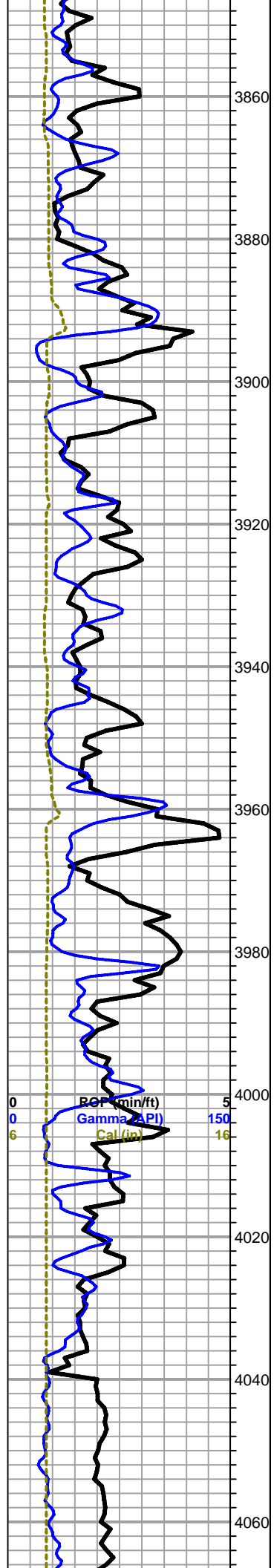
limestone, cream to white, some light gray, microcrystalline, slightly fossiliferous, some chalky bioclastic, some scattered gray fossiliferous cherts, moderate chalk, no shows

as above

Topeka 3805 -985
 limestone, cream to gray, microcrystalline, fossiliferous to bioclastic, dense to slightly chalky, poor visible porosity, no shows

as above, grading to lighter grays, chalkier, more grainy, abundant chalk in samples, some white fossiliferous to slightly weathered white fossiliferous cherts, no shows, appx 30% chalk in samples





as above

as above, some dark gray and brown cherts

limestone, mostly cream, very chalky, fossiliferous to bioclastic, some darker gray fossiliferous, denser, with scattered mixed gray to tan and white cherts, no shows, decrease in chalk from above

a.a. decreasing chert

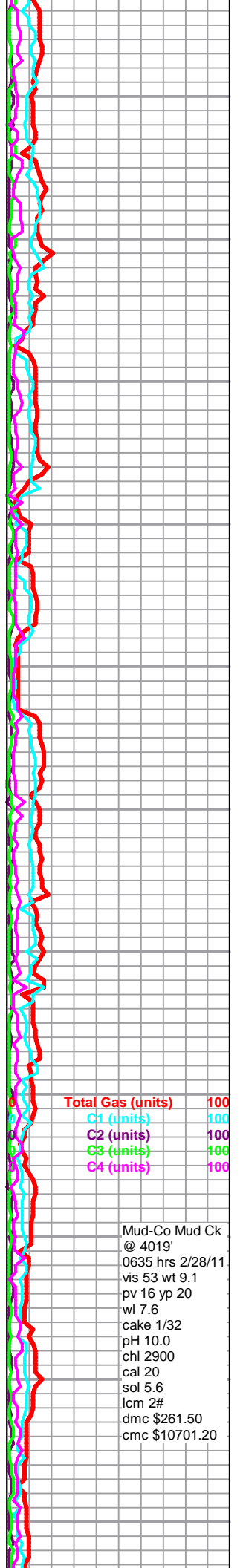
Lecompton 3965 -1145

limestone, light gray to cream, microcrystalline, fossiliferous, chalky to dense, no shows, abundant chalk in samples

as above, increasing chalk

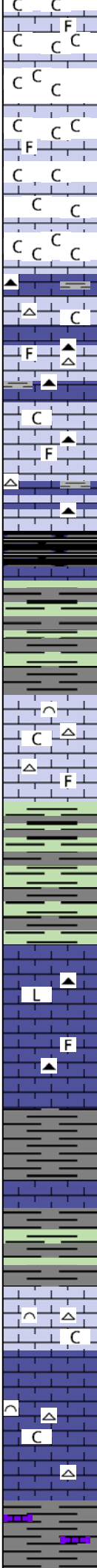
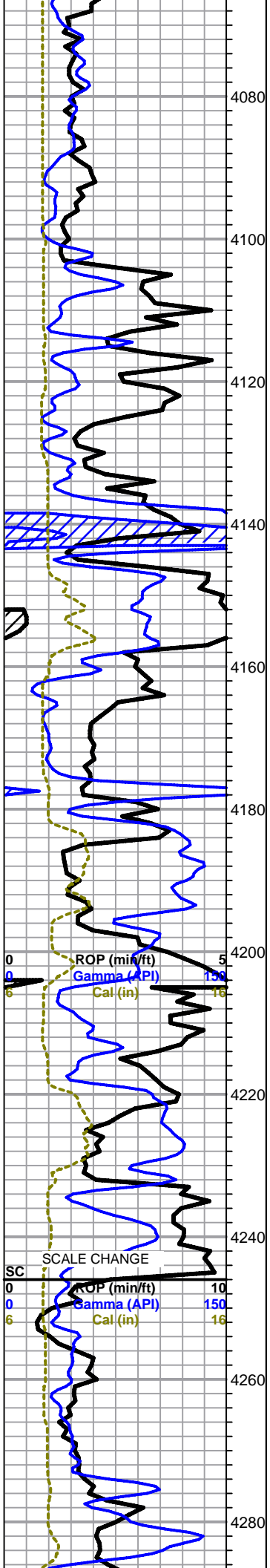
as above

chalk, 60% plus in samples, with grainy gray fossiliferous limestones



Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Mud-Co Mud CK
 @ 4019'
 0635 hrs 2/28/11
 vis 53 wt 9.1
 pv 16 yp 20
 wl 7.6
 cake 1/32
 pH 10.0
 chl 2900
 cal 20
 sol 5.6
 lcn 2#
 dmc \$261.50
 cmc \$10701.20



as above

limestone, as above, marked decrease in chalk, with limestone, dark gray, dense, some shaley, abundant gray to dark gray cherts, no shows

Heebner 4141 -1321

shale, black carbonaceous

soft gray to green mushy shales

Toronto

limestone, white to light gray, microcrystalline, fossiliferous to bioclastic, grainy/chalky to compact and dense, poor visible porosity, abundant chalk, abundant white chert, no shows, faint green to bright bluish/white even fluorescence

Douglas

gray and green shales, some silty

limestone, gray to tan, microcrystalline, arenaceous to lithographic to fossiliferous, abundant tan chert, no shows

gray shale, soft, heavy gray wash

mostly mixed gray shale, some green, micaceous to silty

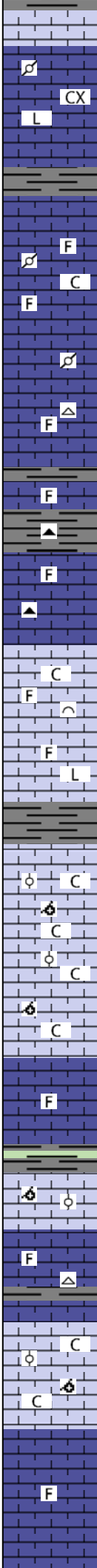
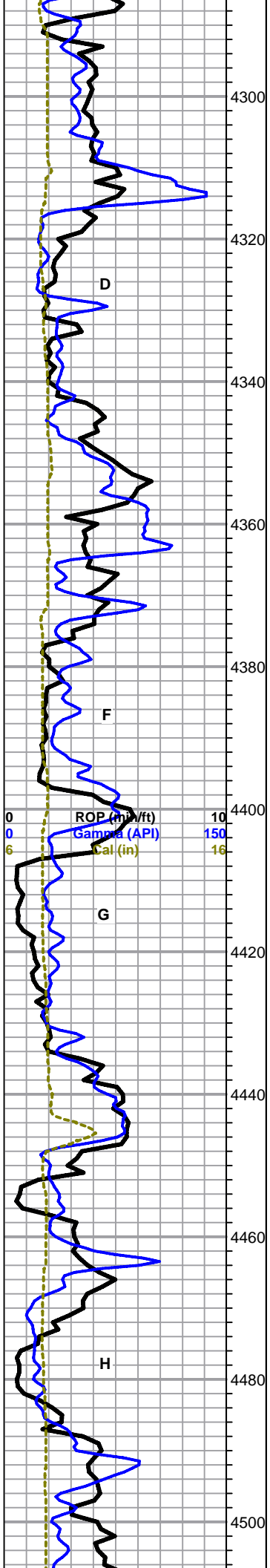
Lansing 4247 -1427

limestone, cream to white, microcrystalline, bioclastic grainy to oolitic, chalky in part, some scattered pin-point porosity, no shows, fair mineral fluorescence

limestone as above, denser, less chalky, with chert, white to gray, sharp, fresh, fossiliferous, no shows

dark gray mottled limey shale, fossiliferous, dense, with some mottled pelletal gray limestone

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100



limestone, cream, chalky fossiliferous, gray dense mottled pelletal, grading to limestone, gray to light gray, cryptocrystalline, dense, lithographic, no shows

4300

CX

L

limestone, mixed gray, mottled, fossiliferous to pelletal, chalky in part, poor visible porosity, no shows

4320

F

C

F

D

limestone, mixed non-descript fossiliferous, some scattered chert

4340

F

▲

F

limestone, gray to dark gray, fossiliferous, cherty, with chert, dark gray to black, some dense limey gray shales

4360

F

▲

F

limestone, gray, chalky bioclastic to fossiliferous, poor visible porosity, with dense gray limestone, fossiliferous to lithographic, no shows, some chalk

4380

C

F

○

F

L

F

limestone, tan to gray, oolitic to oomoldic, good oomold porosity, abundant chalk (appx 30-40%), fair even green fluorescence, no shows

4400

C

○

C

○

C

G

limestone, mixed gray fossiliferous, dense, no shows

4440

F

limestone, tan oolitic to oomoldic, some good oomold porosity, barren, some light to spotty mineral fluorescence

4460

○

○

F

▲

limestone, light gray, oolitic to oomoldic, some good mold porosity, some chalk loading, appx 20% chalk in samples, no shows, fair spotty mineral fluorescence

4480

○

○

C

○

H

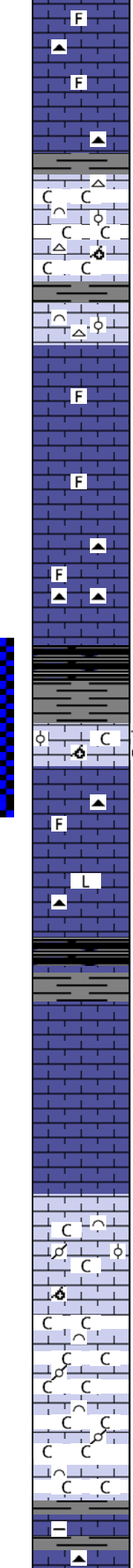
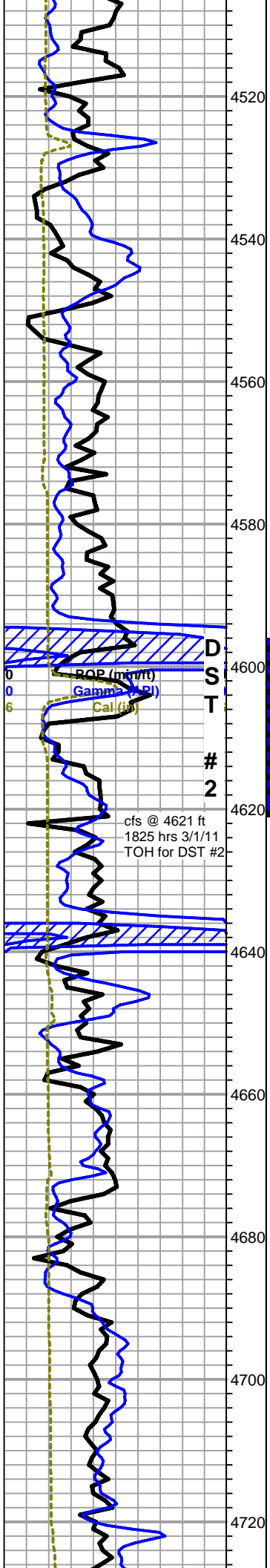
limestone, mixed non-descript fossiliferous, no shows, some chalk

4500

F

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Mud-Co Mud Ck
 @ 4420'
 0540 hrs 3/1/11
 vis 49 wt 9.2
 pv 16 yp 17
 wl 7.6
 cake 1/32
 pH 9.5 chl
 2300
 cal 20
 sol 6.3
 lcm 2#
 dmc \$2708.25
 cmc \$13409.45



as above, some scattered gray cherts

4520

chalk, appx 60%, with tan to cream oolitic and oomoldic, barren, abundant chert, gray to gray frosted and white, fossiliferous, some slightly weathered, some grainy bioclastic, dolomitic texture

4540

mixed non-descript fossiliferous limestones, no shows

4560

DST #2 4596-4621, 5-90-155-120, rec. 250' SMCW, 65' GMCW, 65' WCM, all with tr oil, FP's 44-36# & 61-185#, ISIP 1381#, FSIP 1273 #, HSH 2251-2233#, BHT 113 deg F

4580

limestones as above, flood dark gray cherts, sharp, fresh

4600

Stark Shale 4597 -1777

shale, black carbonaceous

4620

limestone, light gray, microcrystalline, fine oolitic, some molds, some fair porosity, no stain in wet samples, light brown stain in dry samples, slight bleeding gas and oil, slight show free oil, good show on break, good odor, spotty bright fluorescence, abundant chalk in samples

4640

grades to: limestone, gray to tan, cryptocrystalline, fossiliferous to lithographic, some chalky, mostly dense, some gray cherts

3-2-2011 R Josserand #1-4 (SW) DST #2.pdf

HUSHPUCKNEY - black carbonaceous shale

4660

limestone, cream to white and light gray, chalky, fossiliferous, some grainy with scattered porosity, some gray mottled pelletal, moderate chalk in samples, no shows, no fluorescence

4680

4680 sample, flood of limestone, dark gray, microcrystalline, arenaceous, dense, cherty

4700

limestone, gray to tan, mottled oolitic to oomoldic, bioclastic and pelletal, some scattered porosity, no shows or fluorescence, abundant chalk, some chalk has fossil remnants

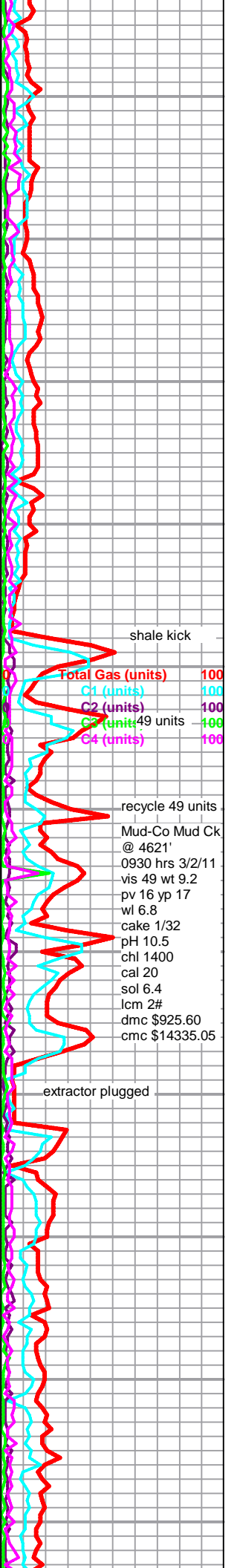
4720

limestone, as above, decreasing oolitic-oomoldic, some very weathered, some weathered back to chalk, overall chalk increase to 50% of samples

4740

4730 sample, flood of shaley limestone to limy shale, dark gray, dense, argillaceous, cherty, some scattered dark gray chert

4760



shale kick

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 49 units
 C4 (units) 100

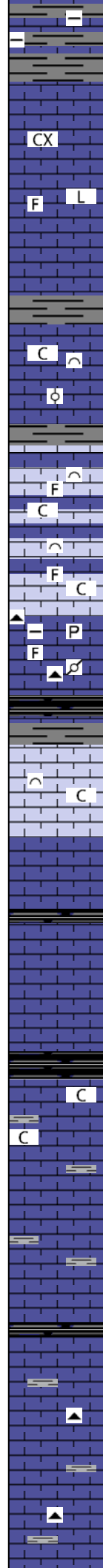
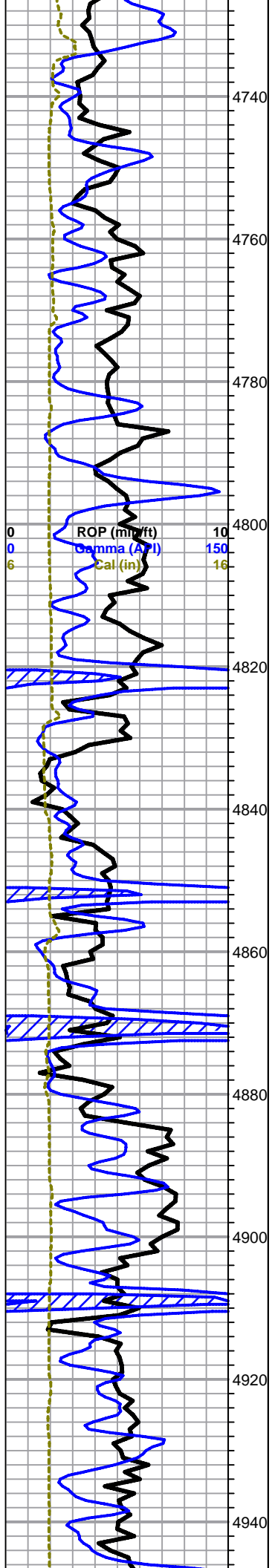
recycle 49 units

Mud-Co Mud Ck @ 4621'
 0930 hrs 3/2/11
 vis 49 wt 9.2
 pv 16 yp 17
 wl 6.8
 cake 1/32
 pH 10.5
 chl 1400
 cal 20
 sol 6.4
 lcm 2#
 dmc \$925.60
 cmc \$14335.05

extractor plugged

cfs @ 4621 ft
 1825 hrs 3/1/11
 TOH for DST #2

D
 S
 T
 #
 2



Marmaton 4738 -1918

limestone, cream to light gray, cryptocrystalline, compact lithographic, dense, some scattered cream fossiliferous, trace chert, no shows

limestone, cream to light tan, microcrystalline, oolitic to bioclastic, mostly dense, some chalky, abundant chalk in samples, no shows

limestone, mixed cream to gray and tan, fossiliferous to bioclastic, some oolitic, chalky to grainy, trace pyritic, scattered chert, some chalk

mixed limestones as above, some darker gray/brown limestone, fossiliferous to pelletal, argillaceous to pyritic, flood tan and brown chert, no shows

Pawnee 4827 -2007

limestone, cream to white, cryptocrystalline, bioclastic, chalky, grainy, poor visible porosity, scattered fossiliferous frosted gray chert, abundant chalk, no shows, few scattered pieces pale green fluorescence

Sample description by Brian Fisher starting at 4860' at 8:30 pm 3-04-11 Note depth number at start of sample description is where the sample was caught for reference to the drilling time depth.

4860 - Ls Lt Gray lith to frag, dense no vis por, also cherty, Ls med gray to br. lith no vis por. Sh lt grey

4870 - Increase in Ls med gray to br. lith no vis por, No Shows, trace Sh bl carb.

4880- Ls off wh. frag med cal grains both dark and lt gray grains, no vis por. sl cherty in part, Also Chalk white no vis por No shows

Cherokee Shale 4872 (-2052) Sh blk Carb

4890 - Ls off wh. as abv., Few pieces of tan chert, also chert off wh, dense oolitic in part no vis por, No shows, Sh bl carb,

4900 - Sh dk gray, to lt black, Ls dk br. Lith, to frag no vis por, No shows

4910 - Sh dk gray as abv, Ls off wh, vfg to Lith., No vis por, few pieces coarse Xln, Trace Sh black., No shows

4920- Increase in Sh black Carb, as abv, Ls off - med br.wh gran to vfg, some frag, No vis por. No shows

4930 - Ls med gray med grain to vfg, well cemented, No vis por, few pieces dk br. chert, decrease in shales as abv.

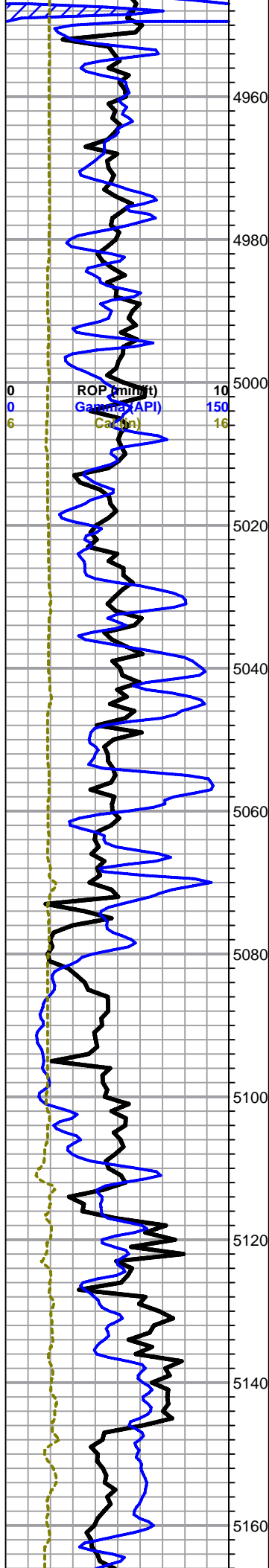
4940 - Increase in Ls med grain as abv, sml amt of chert lt to dk brown, small amt of Sh dk gray to bl.

4950 - Ls med to lt br lith no vis por, Also chert, med br lith. cherty, dense,

Mud-Co Mud Ck @ 4810' 0840 hrs 3/3/11 vis 54 wt 9.2 pv 20 yp 22 wl 6.8 cake 1/32 pH 10.0 chl 2200 cal 20 sol 6.3 lcm 2# dmc \$1026.35 cmc \$15361.40

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

shale kick
connection killed kick
probable shale kick recycle



4960 & 4970 Ls med br to lt br , lith, to vfg, no vis por, , Ls off wh, med to fine grain, no vis por,, trace Sh dark gray to black

4980- Ls lt br to tan, lith partly frag, most tight no vis por, few pieces trace inter gran por. no shows.

4990 - Ls med to lt br. lith to med grain, dense, no vis por. few pieces w/ med cal ot coarse xlns, trace poor por, sl foss in part No shows, Also trace Sh bl. carb.

5000 - Ls as abv increase in med to coarse gains in part, very poor vis por , no show, increase in Sh. dk gray.

5010 - Decrease in Ls abv. with increase in Ls lith, Sh dk gr to dk greenish gray, Ls off wh. fxln to med xln, no vis por, no shows.

5020 - All as abv., trace Sh dk greenish gray. increase in Sh dk gray. sli pyritic in part.

5030 - All as abv, Increase of Ls. Lt med ot lt br. lith to gran. sli foss in part, also with sml frag, All no vis por no shows.

5040 - decrease in Ls. Lt med br., gran as abv., Change more to Ls. off white to med br, few pieces to Lt. tan, lith, few sli foss, No vis por,

5050 - Ls off wh, to lt. med br, gran to med gran, few sli foss, no vis por no shows.

5060 - Ls lt br. as abv, some sli foss, increase in Sh. blk, carb (50% of sample)

5070- Sh blk carb as abv, Ls very dk gray, vfxln to frag, some med grain in part, no vis por, no shows, Also dk br Chert, trace Ls black, dense, lith.

5080 - 50% Ls med br. lith to vfgxn, also some frag, no vis por, also sli foss in part, rest is: Sh black carb, Also some Ls. black, sli cherty, very dense, all no vis por, no shows.

5090 - Ls med br to lt br, lith to med grain, no vis por, Ls off wh med to vfg, poss sl por, No shows, trace Sh black to dk brown, Carb.

5100 - Decrease in Ls black as abv no vis por, Ls med br vfxn ot med xln, few fusilindes fossils, no vis por, Ls off to very lt br. to wh. vfxn, to fxln, trace poor vis por, No shows, Trace Sh black, trace Sh med dk green poss sli sandy.

5110 - Increase in Ls of wh. vfxln, to med gran, frag in part, trace green Sh, and Sh bl carb.

5120 - Ls off wh, as abv, increase in frag texture, some med xln to fxln, poor vis por, increase in Sh med gray.

5130 - Ls lt gray green, lith, very dense, no vis por, few pieces have irregular faures filled in solid with darker green mineral- (Glaucinite-?), very chalky in part, Also Ls lt brown, med grain, fxln, some very frag, also some vfxln to lith, poss poor porosity in part, Trace Ls very dk brown, vfxln, poss very sli por, trace Sh bl carb., trace Gray geen waxy sh, very note - exact same color as Ls abv., trace Vfxln, well rd & srted Qtz sand grains in bottom of tray, some were inbedded in gray green shale.

5140 - Ls med gray med lith to med gain, trace green glauconite grains, also pyrite,with no vis por, decrease i Ls gray green,chalky in part, as abv, some Sh. gray green, soft also with t fractures or fossils filled in with black Shale or carb material-? All with no show

5150 - Ls off wh. very frag, to gran, with embeded med well rnd Qtz grains, Trace poor por, increase in sh gray green with Carb Foss Frags as abv, Some SS dk gray vfg well cemented well sorted Qtz grains, few free pyrite Xlns, Trace Sh bl carb, Trace off Wh chert, Sh dk gray with black carb material with well rd & soted Qtz grains, no shows

5160 -Sh med to dk gray green, Sh gray, sml amount Sh dk red soft, trace of Chert black, Ls med to dk gray, vfxln to coarse xln, frag in part, well cemented, no vis por, No shows

5170 - All shales as abv with increase in Sh. plale gray green sh. spiltry cleavage, Sh dark gray, Sh dk gray varigated w/ red sh, trace sandy red shale.

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Miss St. Gen 5172 (-2352)

5180 - decrease in all sh as abv., still have Sh pale green as abv, few pieces of Sh black carb., Ls off wh and red granular, Sh variegated red and green shales, Ls off wh, micro xln very finely oolitic, trace of very fine to fair inter granular porosity, No shows

5190 - Ls off White, vfxln - micro oolitic, poor por, Sample has very faint fleeting odor, Few pieces Ls fxln oolitic, br stained with dk br tarry oil, No Flour, Sli odor, also has fair cut, also with fg Qtz SS grains in the Limestone

5200 - Mainly Ls. of white, micro vfxln, micro oolitic, poor to fair intergranular por, saw several pieces vfxln with br. stained as abv with shows of tarry oil stain, Has very sli pale oil cut, Sh dull dark red, sli sandy, variegated with small green shale fragments, Trace green Sh soft waxy, with vfxln Qtz grains. All of sample has no Flor., poss Sli odor in sample,

5210 - All as abv. Decrease in Sh dull dark red.

5220 - Ls. off white micro Vfxln , micro oolitic with no shows , as abv, Few peices of Ls dk br, fxln oolitic has a very faint cut less than above. No sample Flor, No sample odor, trace orange chert

5230, Ls a.a., sandy but decreasing, some larger fine oolities, mature in part, free chalky rock fragments observed , tr glauconitic grains, poor to no vis por. no shows, sml amt scatt orange cht also as inclusions, shales abv. dropping out

5240 - Ls as abv, off wh, vfxln, micro oolitic (very sandy) but sl increase in clear sand grains, very sml oolites, also few pieces with scat med to well rnd large oolites, sml scattered pieces of wh chalk, No shows, No Flor, No odor.

5250 - Ls as abv. (still vey sandy) of wh. few pieces with sml bl and red grains, No shows, No Flor, No odor

5260 - Ls- as abv, increase in scatered med size oolites, scat sml blk and green grains. few pieces of Ls vfxln tightly cmt with darker grains, No vis por. No Shows, No Odor, No Flor.

St. Louis 5254 -2434

5270 - Ls as abv, some with scat sml to med size oolites, rocks can be crushed easily, very sandy with scat chalk frag, all well cmt, trace orange ch, No vis por, No Shows, No Odor, No Flor and no calcite min. Flor.

5280 - Ls all as abv, but more white in color, vfx, more densely cemented when compared to Ls abv, sli glauc , few with large oolites seen, Trace oran. ch. tray has very faint white cal min. Flor, Cir at 5285' - Ls as abv, med strong odor, increase in coarse med to large oolites in matrix, tightly cmted matrix in part, some peices have dk br stain inner oolites, show rocks have faint to good oil cut, good porosity, very friable, show as good as Nuss well.

5290 - Ls off wh. very well cmted, v pale green dnse, smky cherts, no vis por or shows 5300 - Ls of wh, very chlky, well cmted, saw sev w./ scat stain (prob cavings), very chlky

5305 - Dec in chalk, V strong odor, Ls off wh, med mature rnd oolitic, good intergran por, w/ sol vugs, Excel oil cut, Br sticky oil, sli gassy, better show than abv. 30 min cir sample, increase in mature oolitic rocks, tighter rocks than abv, rocks still carrying shows as abv. 60 min cir sample, Ls off wh, mainly tighter rocks as abv, well cmted poor por, decrease in show rocks.

5310 - Ls off wh well cemented, few large oolites, tight no por, Ls off wh, gran, No shows, Sh dk gry to bl.

5320 - Mainly Ls off wh, gran, med to Fxln, with few lrg ooids, tightly cmted, No vis por, Ls off wh, fxln with poor inter gran por, mostly well cmted, few are friable, Few Chalk, wh, Smp has ft vpale cal min Flor, No odor, No Shows, Sh bk, carb, to dk br.

5330 - Ls off wh, fine to med rnd to sli oval oolitic, well cmted, No vis por, Ls off wh fxln, very friable, Chalk, wh. with trace br stain, with few clear med grains, trace vfxln Glau in some, Scat large pyrite Xlns, All no smp Odor, No Cut, No Flor, No Shows

5340 - Ls off wh dense med grain oolitic, no vis por, Ls med to fxln, very friable, poor por, trace sml Glau gains Sh dk gray dense, few pieces with healed br fractures with diff cal, Ls off wh, dense, vfxln lith, no vis por, sli cal min Flor, All no cut, No odor, no oil Flor. All no shows.

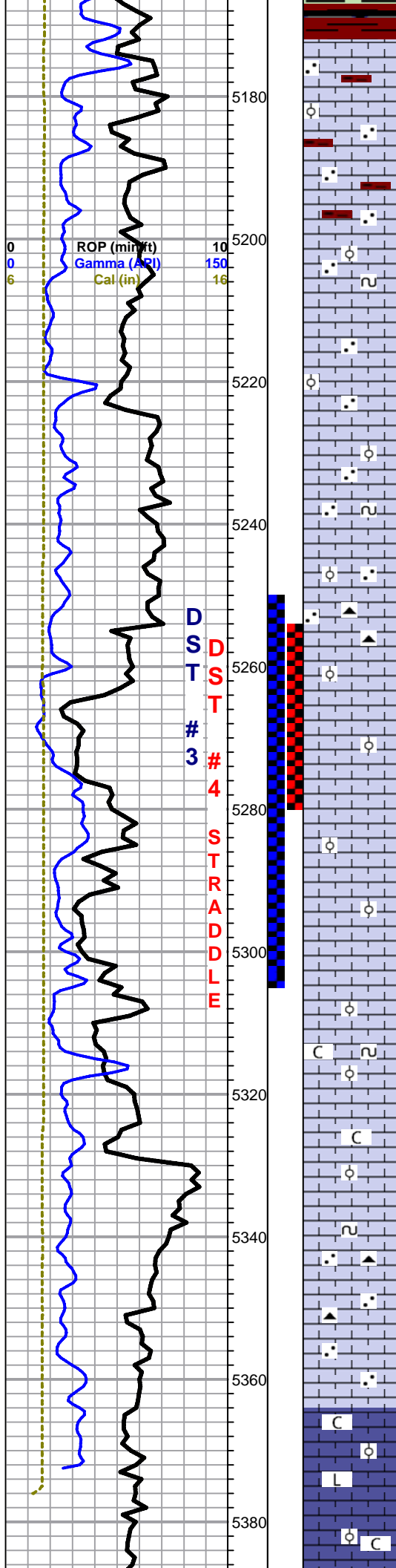
5350 - Ls off wh, vfxl gradding to med xln, no vis por, also incr. in Ls off wh, very fine grain sandy, Chalk off wh, soft, with floating clear med grains, all no vis por, few pices of Ls, dense off wh to tan, mxln to lith as abv with lt yell min Flor, few pieces of dk Chert, trace Sh dk br, All No oil shows

5360 - all as abv, incr. in Ls off wh, very fine grain sandy texture as abv, Ls off wh to tan, vfxln to lith, no vis por, Note has ft yell cal Flor described as abv, and also Ls off wh to tan, lith, some with pyritic min. flowers, trace ch dk br, All no sam odor, No oil Flor, No shows.

5370 incr. in Ls off wh to tan, vfxln to lith, dense no vis inter gran por, few pieces have trace of poor gran por on edges, Ls off wh med to fine grain, friable, sandy texture, some with poor inter gran por, few pieces with pyrite, few pieces of chalk off wh No oil Flor, No shows

5380 - Ls off wh to lt gray, mainly lith, fine to med grain, sli oolitic in part, No vis por, Ls off wh, med to fine grain, poss. poor por., friable, Chalk off wh, All with No shows

5390 - Ls off wh to lt gray med grain to lith as abv, increase in poor inter gran. por., decrease in Ls off wh med to fine grain and chalk as abv. No Shows



Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

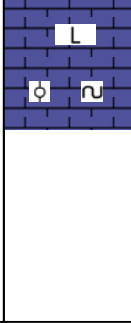
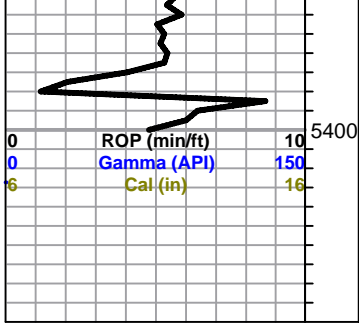
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Josserand 1-4 dst4.pdf

DST #3
5250-5305, 5-90-75-150, rec 191'GIP, 120' GCM, 120' WCM, 731' H2O, FP's 45-111# & 124-376#, SIP's 1448-1409#, HSH 2641-2554#

DST #4
5254-5280, 6-60-90-120, rec 130 mud, FP's 27-59# & 32-55#, SIP's 1412-1330#, HSH 2729-2608#

por, decrease in ss and increase in grain and chert as below shows



5400 - All as abv, Also increas in Ls off wh to tan lith, some with well cemented oolitic very dense very lith, samples have very plae yellow min Flor, no vis porosity, few pieces with trace sml Glau. grains, sml amout of Chalk off wh, All no Shows 30 min cir: Ls off wh. to tan Lith as abv, has very faint pale yell calcite min Flor., Chalk off white, Ls.off wh to tan, micro xln ot v fg, poor por, Ls tan to off wh, All no shows.

60 min cir: Ls off white as abv, increasae in Ls tan to off wh, lith to very fine grain, very dense brittle, Chert gray and white, sli foss in part, no porosity, rest of sample as abv. 90 all as abv, with mixed cavings No shows, Driller TD 5400 (-2580), Circulated for 1 1/2 hrs, Started off bottom at 1:00 PM.

