



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: _____



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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	RON JANTZ 1-20(SW)
Doc ID	1058158

All Electric Logs Run

DIL
MEL
CNL/CDL
BHCS

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	RON JANTZ 1-20(SW)
Doc ID	1058158

Tops

Name	Top	Datum
HEEBNER	4106	-1318
LANSING	4212	-1424
STARK	4584	-1796
MARMATON	4729	-1941
PAWNEE	4826	-2038
CHEROKEE	4874	-2086
MORROW	5093	-2305
MISS ST GEN	5208	-2420
VIOLA	6186	-3398

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 22, 2011

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

Re: ACO1
API 15-069-20340-00-00
RON JANTZ 1-20(SW)
SW/4 Sec.20-28S-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. 038724

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Great Bend

DATE <u>3-13-11</u>	SEC. <u>20</u>	TWP. <u>28S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 PM</u>	JOB FINISH <u>9:00 PM</u>	
LEASE <u>Joint 2</u>	WELL # <u>1-20</u>		LOCATION <u>Copland 1/4 East To R03</u>		COUNTY <u>G-AY</u>	STATE <u>KS</u>		
OLD OR <u>NEW</u> (Circle one)			<u>3 1/2 North 1/2 West North into</u>					

CONTRACTOR <u>Storing Rias</u>	OWNER <u>Falcon Exploration Inc</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>1883</u>
CASING SIZE <u>8 1/2</u>	DEPTH <u>1874</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>42.24</u>
CEMENT LEFT IN CSG. <u>42.24</u>	
PERFS.	
DISPLACEMENT <u>116.75 BBLs</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Wayne</u>	
# <u>366</u> HELPER <u>Bob</u>	
BULK TRUCK	
# <u>344</u> DRIVER <u>Pet-o</u>	
BULK TRUCK	
# <u>482</u> DRIVER <u>Kevin</u>	

CEMENT			
AMOUNT ORDERED <u>675 SX 65/35 + 6% Gel</u>			
<u>+ 3% cc + 1/4 flo seal</u>			
<u>150 SX Class A + 3% cc + 2% Gel</u>			
<u>50% Super</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>5</u>	@ <u>58.20</u>		<u>291.00</u>
ASC	@		
<u>675 SX Lite</u>	@ <u>14.80</u>		<u>9990.00</u>
	@		
<u>1 flo seal</u>	<u>168</u>	@ <u>2.50</u>	<u>420.00</u>
	@		
<u>50 Super</u>	@ <u>1.10</u>		<u>55.00</u>
	@		
	@		
	@		
HANDLING <u>839</u>	@ <u>2.25</u>		<u>1887.75</u>
MILEAGE <u>839 x 1.10</u>			<u>4614.50</u>
			TOTAL <u>19638.15</u>

REMARKS:

Pipe on Bottom Bore calculation
with Risers shut down
Drop Ball circulate Ball Throw
Hook up mix 675 SX 65/35 6% Gel + 3% cc + 1/4 flo seal.
Mix 150 SX Class A 3% cc + 2% Gel
Shut Down Release Plug
Displace 116.75 BBLs land plug
at 900 PSI. Release and held
Cement did circulate

SERVICE

DEPTH OF JOB <u>1874</u>		
PUMP TRUCK CHARGE		<u>2011.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>55</u>	@ <u>7.00</u>	<u>385.00</u>
MANIFOLD	@	
	@	
	@	

TOTAL 2396.00

CHARGE TO: Falcon Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>1 8 1/2 Insect</u>	@ <u>377.00</u>	<u>377.00</u>
<u>6 Centigens</u>	@ <u>62.00</u>	<u>372.00</u>
<u>4 Baskets</u>	@ <u>248.00</u>	<u>992.00</u>
<u>1 Rubber Plug</u>	@ <u>130.00</u>	<u>130.00</u>
	@	

TOTAL 1871.00

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 _____

SIGNATURE _____

SALES TAX (If Any) _____
TOTAL CHARGES 19638.15
DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 039900

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Oakley, Ks

DATE <u>3/29/11</u>	SEC. <u>20</u>	TWP. <u>28</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>7:00</u>	JOB START <u>11:00</u>	JOB FINISH <u>12:50</u>
LEASE <u>Row Jantz</u>	WELL # <u>1-20</u>	LOCATION <u>Copeland New Rd 2</u>			COUNTY <u>Osage</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>			TO <u>Ad CC 1/2 E 1/4 N Winto</u>				

CONTRACTOR Steepling #5

TYPE OF JOB PT

HOLE SIZE 7 7/8 T.D. 6230

CASING SIZE 4 7/8 DEPTH 1825

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 Sen

CEMENT AMOUNT ORDERED 175 607/40 470 gals

EQUIPMENT

PUMP TRUCK # <u>422</u>	CEMENTER <u>Alan</u>
BULK TRUCK # <u>457</u>	HELPER <u>Wayne</u>
BULK TRUCK #	DRIVER <u>Bito</u>
BULK TRUCK #	DRIVER <u>Colbert</u>

COMMON <u>105</u>	@ <u>16.25</u>	<u>1706.25</u>
POZMIX <u>20</u>	@ <u>8.50</u>	<u>595.00</u>
GEL <u>6</u>	@ <u>21.25</u>	<u>127.50</u>
CHLORIDE <u>RA</u>	@	
ASC	@	
HANDLING <u>1815K</u>	@ <u>2.25</u>	<u>407.25</u>
MILEAGE <u>119.5K/mile</u>		<u>995.25</u>
TOTAL		<u>3831.50</u>

REMARKS:

1820' - 50 SK

830' - 50 SK

60' - 20 SK

217' - 30 SK

217' - 20 SK

CHARGE TO: Falcon Exp

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>50 x 2</u>	@ <u>7.00</u>	<u>700.00</u>
MANIFOLD	@	
<u>Vehicle 50 miles x 2</u>	@ <u>4.00</u>	<u>400.00</u>
<u>Lat waiting</u>	@ <u>4.00</u>	<u>400.00</u>
TOTAL		<u>2750.00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Alan Loftis

SIGNATURE ALAN LOFTIS

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)	
Address	125 N. Market, Ste. 1252	Lease #	1-20	
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW	Job Ticket 2145
Attn.	Keith Reavis	Section	20	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	Sterling Drilling Co. Rig #5	

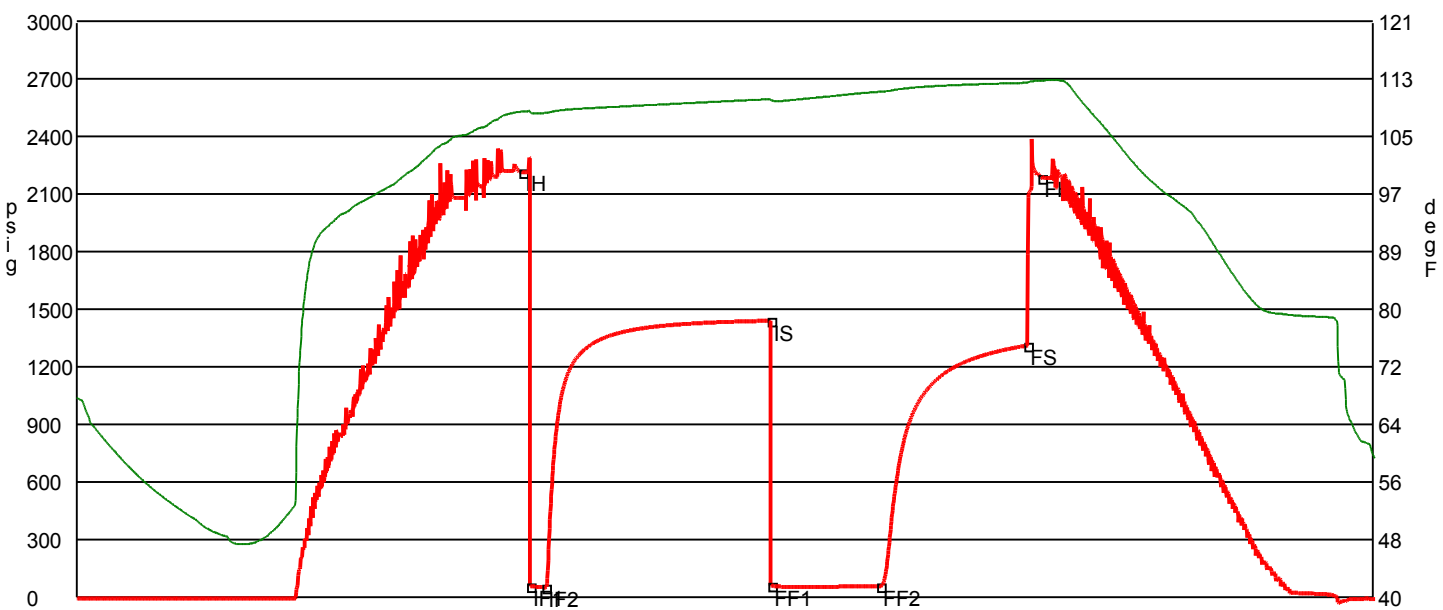
Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # 1	Test Date	3/19/2011	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters		Top Recorder #	W1119		
Test Type	Conventional Bottom Hole		Mid Recorder #	W1022		
	Successful Test		Bott Recorder #	13310		
# of Packers	2.0	Packer Size	6 3/4	Mileage	224	Approved By
				Standby Time	0	
Mud Type	Gel Chem		Extra Equipmnt	Jars & Safety joint		
Mud Weight	9.2	Viscosity	50.0	Time on Site	11:00 PM	
Filtrate	8.4	Chlorides	3300	Tool Picked Up	3:40 AM	
				Tool Layed Dwn	11:15 AM	
Drill Collar Len	337.0			Elevation	2775.00	Kelley Bushings 2788.00
Wght Pipe Len	0					
Formation	Swope		Start Date/Time	3/19/2011 2:38 AM		
Interval Top	4585.0	Bottom	4623.0	End Date/Time	3/19/2011 11:20 AM	
Anchor Len Below	38.0	Between	0			
Total Depth	4623.0					
Blow Type	Weak surface blow at the start of the initial flow period, building to 1/2 inch.					
	Very weak surface blow at the start of the final flow period, building to 1/2 inch in 25 minutes, where it held the rest of the period. Times: 5, 90, 45, 60.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
60	Mud	0% 0ft	0% 0ft	0% 0ft	100%60ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	3/19/2011 5:36:30 AM	2.975	2216.467	108.33	Initial Hydro-static
IF1	3/19/2011 5:39:40 AM	3.027778	57.882	108.312	Initial Flow (1)
IF2	3/19/2011 5:45:40 AM	3.127778	52.522	108.134	Initial Flow (2)
IS	3/19/2011 7:16:30 AM	4.641667	1440.47	110.076	Initial Shut-In
FF1	3/19/2011 7:16:50 AM	4.647222	60.733	109.911	Final Flow (1)
FF2	3/19/2011 8:00:50 AM	5.380556	58.915	111.119	Final Flow (2)
FS	3/19/2011 9:00:10 AM	6.369444	1312.804	112.383	Final Shut-In
FH	3/19/2011 9:05:50 AM	6.463889	2185.464	112.695	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)	
Address	125 N. Market, Ste. 1252	Lease #	1-20	
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW	Job Ticket 2145
Attn.	Keith Reavis	Section	20	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	Sterling Drilling Co. Rig #5	

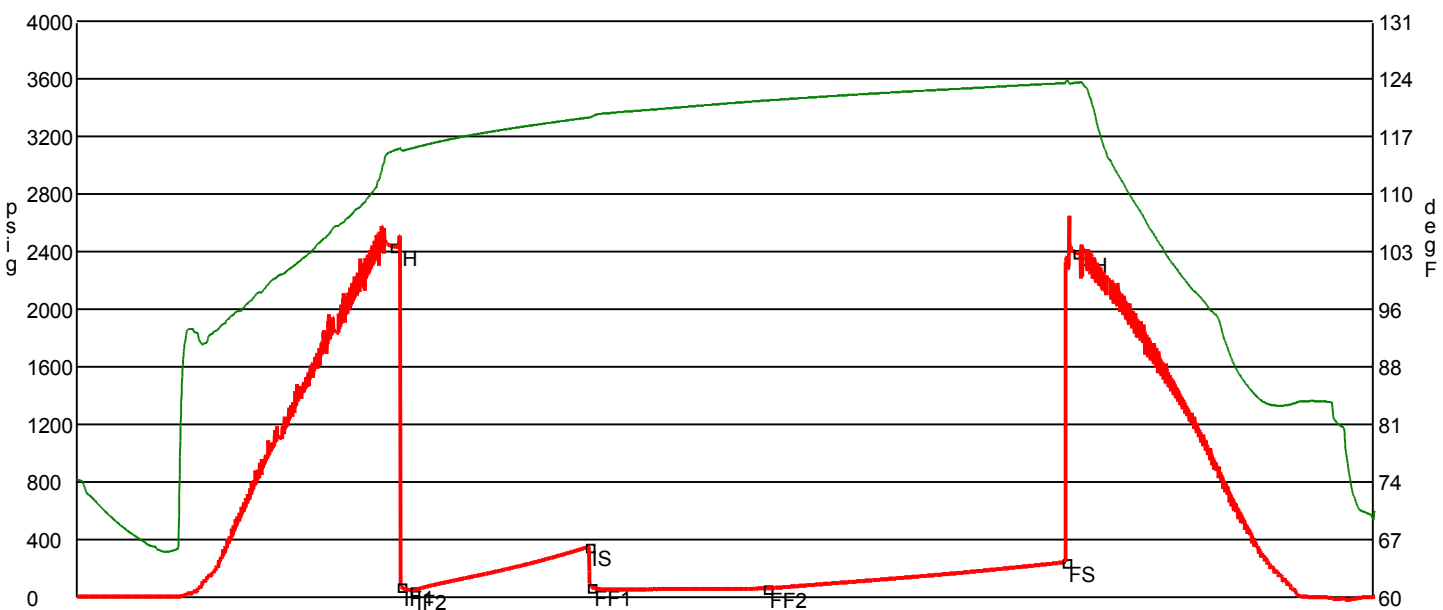
Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # 2	Test Date 3/22/2011	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 224	Approved By
Mud Type Gel Chem		Standby Time 13.33	
Mud Weight 9.3	Viscosity 58.0	Extra Equipmnt Jars & Safety joint	
Filtrate 7.2	Chlorides 1900	Time on Site 11:10 PM	
		Tool Picked Up 1:00 AM	
		Tool Layed Dwn 11:00 AM	
Drill Collar Len 337.0		Elevation 2775.00	Kelley Bushings 2788.00
Wght Pipe Len 0			
Formation Morrow		Start Date/Time 3/22/2011 12:09 AM	
Interval Top 5094.0	Bottom 5154.0	End Date/Time 3/22/2011 11:03 AM	
Anchor Len Below 60.0	Between 0		
Total Depth 5154.0			
Blow Type Weak 1/4 inch blow at the start of the initial flow period, building to 1 1/2 in ches. Fairly strong 3 inch blow at the start of the final flow period, building to 10 1/2 inches. Times: 5, 90, 90, 150.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
375	Gas in Pipe	100% 375ft	0% 0ft	0% 0ft	0% 0ft
60	Slight oil cut mud	0% 0ft	7% 4.2ft	0% 0ft	93% 55.8ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	3/22/2011 2:48:00 AM	2.65	2437.178	115.096	Initial Hydro-static
IF1	3/22/2011 2:51:20 AM	2.705556	79.213	115.245	Initial Flow (1)
IF2	3/22/2011 2:57:50 AM	2.813889	50.677	115.42	Initial Flow (2)
IS	3/22/2011 4:26:30 AM	4.291667	353.015	119.17	Initial Shut-In
FF1	3/22/2011 4:27:40 AM	4.311111	73.81	119.217	Final Flow (1)
FF2	3/22/2011 5:56:20 AM	5.788889	62.412	121.272	Final Flow (2)
FS	3/22/2011 8:27:20 AM	8.305556	245.48	123.406	Final Shut-In
FH	3/22/2011 8:32:50 AM	8.397222	2391.3	123.457	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)	
Address	125 N. Market, Ste. 1252	Lease #	1-20	
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW	Job Ticket 2145
Attn.	Keith Reavis	Section	20	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	Sterling Drilling Co. Rig #5	

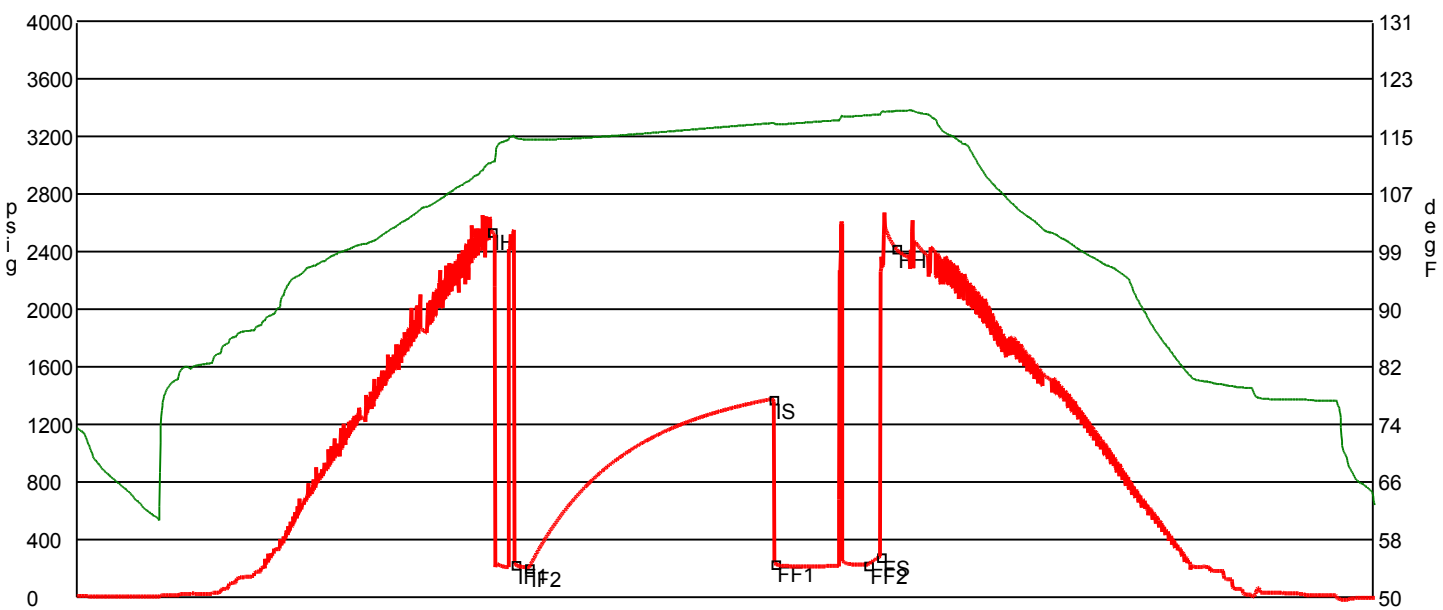
Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # 3	Test Date 3/23/2011	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters		Top Recorder # W1119	
Test Type Conventional Bottom Hole		Mid Recorder # W1022	
		Bott Recorder # 13310	
# of Packers 2.0	Packer Size 6 3/4	Mileage 0	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.3	Viscosity 58.0	Time on Site 4:30 PM	
Filtrate 7.2	Chlorides 1900	Tool Picked Up 10:35 PM	
		Tool Layed Dwn 5:55 AM	
Drill Collar Len 337.0		Elevation 2775.00	Kelley Bushings 2788.00
Wght Pipe Len 0			
Formation Morrow		Start Date/Time 3/23/2011 9:55 PM	
Interval Top 5092.0	Bottom 5190.0	End Date/Time 3/24/2011 5:51 AM	
Anchor Len Below 98.0	Between 0		
Total Depth 5190.0			
Blow Type Weak 1/4 inch blow at the start of the intial flow period, building to 1/2 inch . Weak surface blow at the start of the final flow period. We flushed the tool 23 minutes into the period and got a surface blow that built to 1/4 inch in 5 minutes. After 10 minutes, it was at a weak surface blow. Times; 5, 90, 34, 5. There was specs of oil in the tool on recovery.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
315	Mud	0% 0ft	0% 0ft	0% 0ft	100% 315ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	3/24/2011 12:26:10 AM	2.519444	2546.248	111.145	Initial Hydro-static
IF1	3/24/2011 12:34:50 AM	2.663889	233.117	114.744	Initial Flow (1)
IF2	3/24/2011 12:39:50 AM	2.747222	209.645	114.386	Initial Flow (2)
IS	3/24/2011 2:09:50 AM	4.247222	1379.496	116.72	Initial Shut-In
FF1	3/24/2011 2:10:30 AM	4.258333	238.463	116.598	Final Flow (1)
FF2	3/24/2011 2:44:30 AM	4.825	227.751	117.807	Final Flow (2)
FS	3/24/2011 2:49:20 AM	4.905556	286.335	117.947	Final Shut-In
FH	3/24/2011 2:55:00 AM	5	2426.56	118.406	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)	
Address	125 N. Market, Ste. 1252	Lease #	1-20	
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW	Job Ticket 2145
Attn.	Keith Reavis	Section	20	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	Sterling Drilling Co. Rig #5	

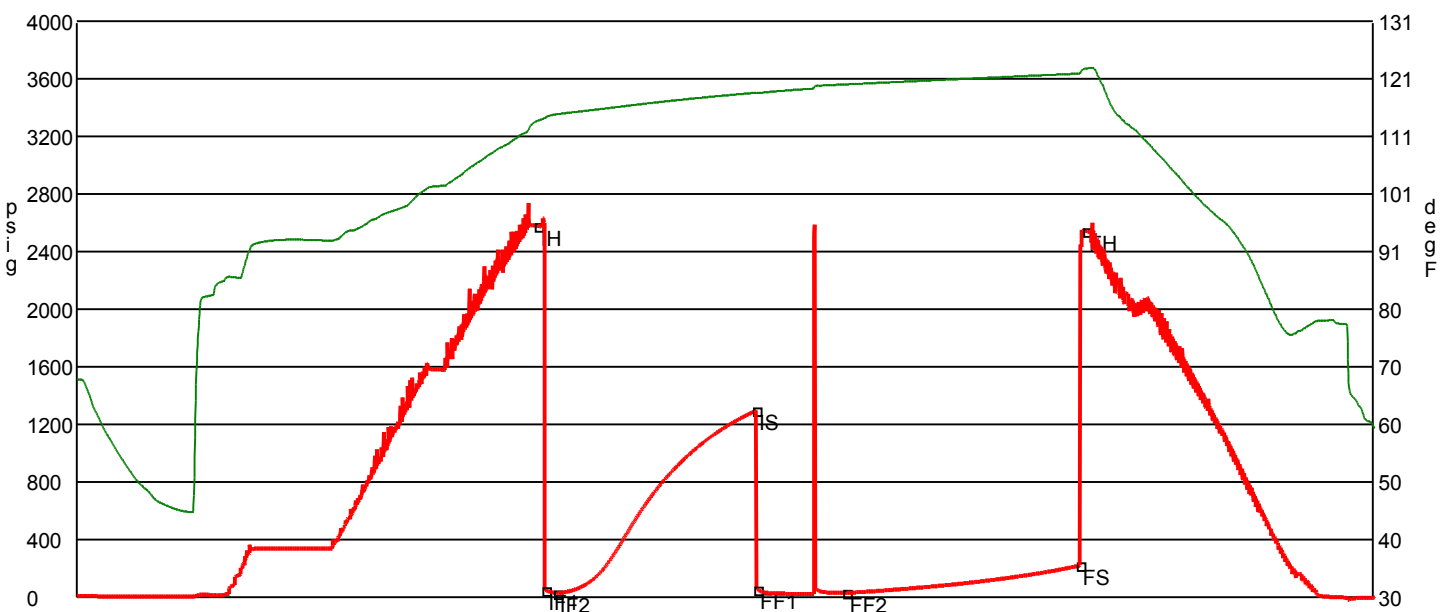
Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # 4	Test Date 3/24/2011	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 76	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.2	Viscosity 60.0	Time on Site 2:25 AM	
Filtrate 8.8	Chlorides 3400	Tool Picked Up 4:50 AM	
		Tool Layed Dwn 1:55 PM	
Drill Collar Len 337.0		Elevation 2775.00	Kelley Bushings 2788.00
Wght Pipe Len 0			
Formation Mississippian St. Louis		Start Date/Time 3/24/2011 4:12 AM	
Interval Top 5303.0	Bottom 5335.0	End Date/Time 3/24/2011 1:56 PM	
Anchor Len Below 32.0	Between 0		
Total Depth 5335.0			
Blow Type Weak surface blow at the start of the intial flow period, building to 1/4 inch. Weak surface blow at the start of the final flow period, lasting 15-20 minutes. We flushed the tool 25 minutes into period and got a weak surface blow lasting 11 minutes. Times: 5, 90, 40, 106.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
10	Mud with a very slight trace of oil	0% 0ft	trace	0% 0ft	100% 10ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	3/24/2011 7:38:40 AM	3.444444	2579.182	113.614	Initial Hydro-static
IF1	3/24/2011 7:42:10 AM	3.502778	50.8	114.133	Initial Flow (1)
IF2	3/24/2011 7:47:20 AM	3.588889	30.819	114.749	Initial Flow (2)
IS	3/24/2011 9:17:00 AM	5.083333	1297.872	118.497	Initial Shut-In
FF1	3/24/2011 9:17:40 AM	5.094444	57.541	118.453	Final Flow (1)
FF2	3/24/2011 9:57:50 AM	5.763889	31.807	119.979	Final Flow (2)
FS	3/24/2011 11:43:00 AM	7.516667	222.125	121.874	Final Shut-In
FH	3/24/2011 11:46:00 AM	7.566667	2543.102	122.772	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

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: Ron Jantz #1-20 (SW)
 Location: Sec. 20 - T28S - R30W
 Pool:
 State: Kansas
 API: 15-069-20340-0000
 Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: Ron Jantz #1-20 (SW)
 Surface Location: Sec. 20 - T28S - R30W
 Bottom Location:
 API: 15-069-20340-0000
 License Number: 5316
 Spud Date: 3/10/2011 Time: 00:00
 Region: Gray County
 Drilling Completed: 3/27/2011 Time: 19:00
 Surface Coordinates: 2420' FSL _1620' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 2775.00ft
 K.B. Elevation: 2788.00ft
 Logged Interval: 3700.00ft To: 6230.00ft
 Total Depth: 6230.00ft
 Formation: Morrow
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 2420' FSL _1620' FWL
 E/W Co-ord:

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: 3/10/2011 Time: 00:00
 TD Date: 3/27/2011 Time: 19:00
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2788.00ft Ground Elevation: 2775.00ft
 K.B. to Ground: 13.00ft

NOTES

After evaluation of Drill Stem tests and Electrical Logs, it was determined and agreed upon by all parties that the Ron Jantz #1-20 be plugged and abandoned as a dry hole.

The drill cutting were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS

The drill time/sample tops were consistently around 4-6 ft low to actual log measurements on this well. The gamma ray and caliper were plotted on this log but were not shifted to provide an exact match to the drill time.

Concerning results of DST #3: While the drill string and tools were set in the slips prior to hooking up the head joint for the test, the tools were resting on bottom just enough for the tool to open, due to low string weight on the tool, the packers were not completely seated and allowed the mud recovery on the test. This can be observed on the DST chart. Other than this, the rest of the test was valid.

Respectfully submitted,
Keith Reavis

Falcon Exploration, Inc.

Daily Drilling Report

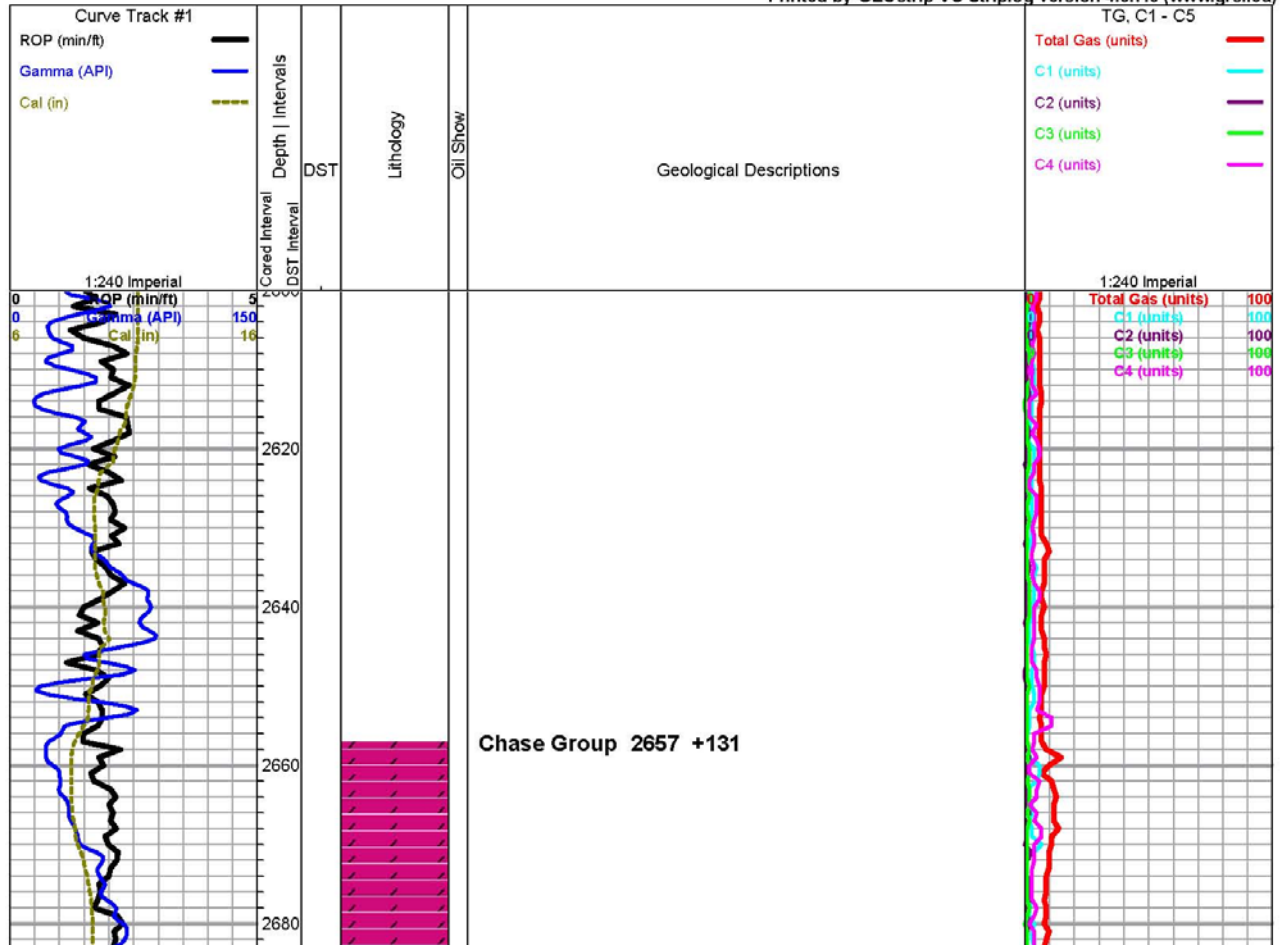
DATE	7:00 AM DEPTH	REMARKS
3/17/2011	3862	Geologist Keith Reavis on location @ 0615 hrs, 3843 ft., drilling ahead Topeka, Lecompton, Heebner, Toronto, Douglas and Lansing
3/18/2011	4385	drilling ahead, Lansing, lower LKC, Stark, show in Swope Fm. warrants DST, short trip, ctch, begin TOH for DST
3/19/2011	4623	conducting DST #1, complete DST #1, successful test, TIH w/bit resume drilling, Lower KC
3/20/2011	4808	drilling ahead, Marmaton, Pawnee, Cherokee
3/21/2011	5010	drilling Cherokee, short trip @ 5010', ctch, resume drilling, drilling Morrow, encounter sand, show warrants test, TOH for DST #2
3/22/2011	5154	tripping tools and conducting DST #2, successful test, TIH w/bit, ctch, resume drilling, cut rest of Morrow into Miss, TOH for DST #3
3/23/2011	5190	conduct and complete DST #3, successful test, TIH w/bit and resume drilling Mississippian Chester, St. Gen.,
3/24/2011	5335	drilling St. Louis, show @ 5315' warrants DST, TOH w/bit, trip in tools for DST #4, conduct and complete DST, successful test, resume drlg
3/25/2011	5473	drilling ahead, St. Louis, Salem/Spergen, called of TD and logs
3/26/2011	5785	drilling ahead, Warsaw, Osage
3/27/2011	6105	drilling ahead, Osage, Viola, TD @ 6230 , short trip, ctch, TOH
3/28/2011	6230	conducting logging operations, stuck tools on second pass, fish out, run in w/bit, condition hole
3/29/2011	6230	TOH after conditioning hole, make final pass with logs, complete operations, geologist off location 0745 hrs

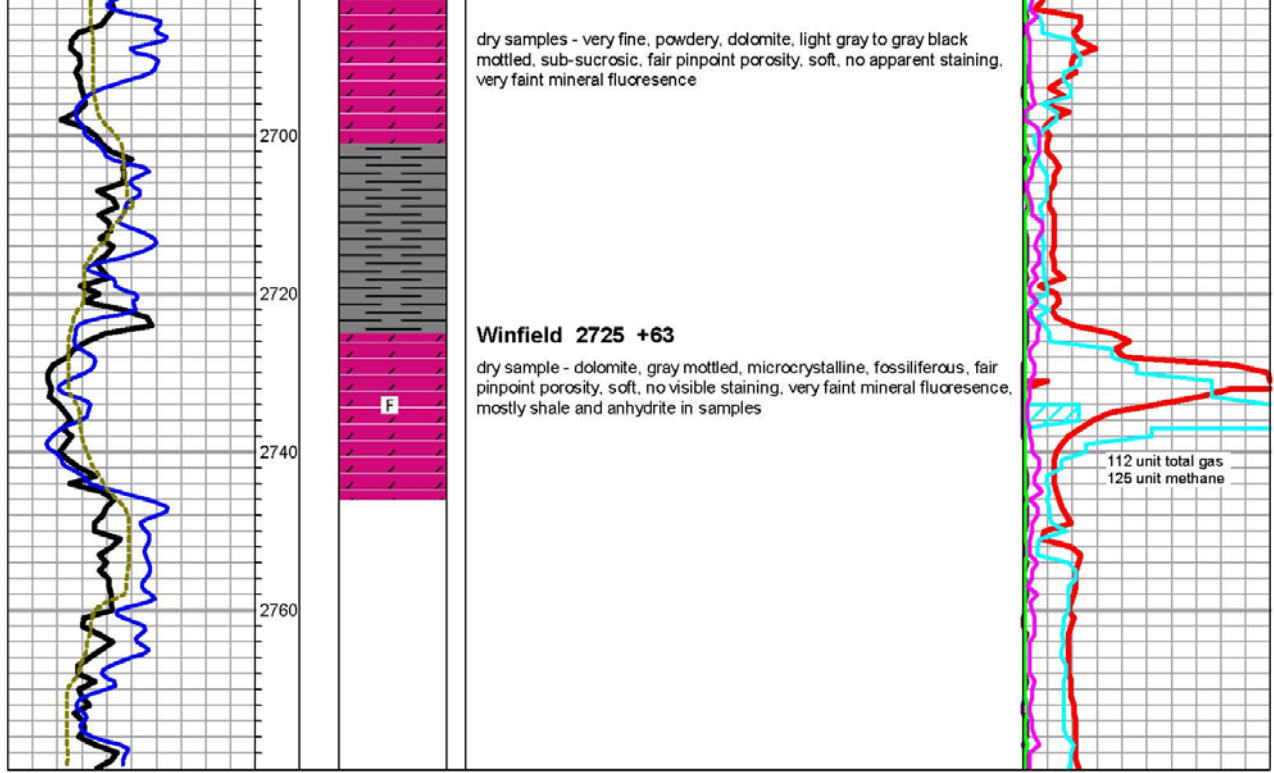
Falcon Exploration, Inc.

Well Comparison Sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
R. Jantz #1-20 2420' FSL & 1620' FWL Sec. 20 T28S R30W					Beardmore-Yeager #1 NE NE Sec. 20 T28S R30W							
2788 KB					2783 KB		Structural Relationship		KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3774	-986	3770	-982	3763	-980	-6	-2				
Heebner	4110	-1322	4106	-1318	4105	-1322	0	4				
Lansing	4217	-1429	4212	-1424	4206	-1423	-6	-1				
Stark	4587	-1799	4584	-1796	4576	-1793	-6	-3				
Marmaton	4741	-1953	4729	-1941	4713	-1930	-23	-11				
Pawnee	4830	-2042	4826	-2038	4800	-2017	-25	-21				
Cherokee	4875	-2087	4874	-2086	4845	-2062	-25	-24				
Morrow	5096	-2308	5093	-2305	5049	-2266	-42	-39				
Miss Chester	5179	-2391	5181	-2393	5095	-2312	-79	-81				
Miss St. Gen.	5215	-2427	5208	-2420	5198	-2415	-12	-5				
St. Louis B por	5315	-2527	5310	-2522	5284	-2501	-26	-21				
Salem	5441	-2653	5437	-2649	5488	-2705	52	56				
Warsaw	5602	-2814	5604	-2816	5572	-2789	-25	-27				
Osage	5925	-3137	5894	-3106	np							
Viola	6193	-3405	6186	-3398	np							
Total Depth	6230	-3442	6229	-3441	5613	-2830	-612	-611				

Chase Group Mudlog Section





ROCK TYPES

Cht	Lmst fw<7	shale, gry	Ss
Dolprim	Lmst fw>7	Carbon Sh	Sltst
Dolsec	shale, grn	shale, red	Cannot Int

ACCESSORIES

MINERAL

- Argillaceous
- ⊥ Calcareous
- Carbonaceous Flakes
- ▲ Chert, dark
- ∠ Dolomitic
- ∩ Glauconite
- × Mineral Crystals
- P Pyrite
- Sandy
- ∧ Siliceous
- Silty
- △ Chert White
- Mc Mica
- Argillaceous/Shale

FOSSIL

- ∩ Bioclastic or Fragmental
- F Fossils < 20%
- ∅ Oolite
- ∩ Pellets
- × Sponge Spicules
- ∩ Oomoldic

STRINGER

- ∩ Chert
- ∩ Dolomite
- ∩ Limestone
- ∩ Sandstone
- ∩ Siltstone
- ∩ Shale
- ∩ green shale
- ∩ red shale
- ∩ carb shale

TEXTURE

- C Chalky
- CX Cryptocrystalline
- L Lithogr

OTHER SYMBOLS

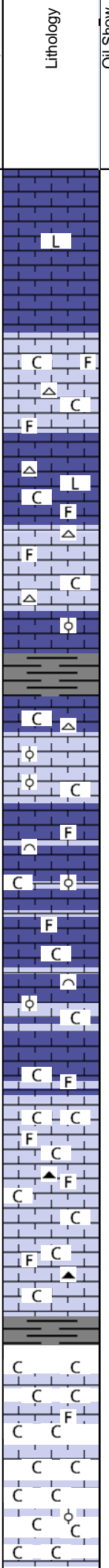
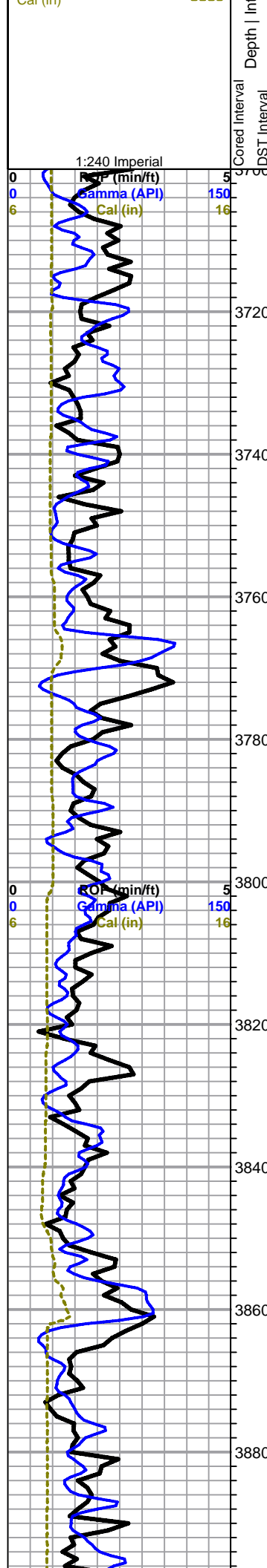
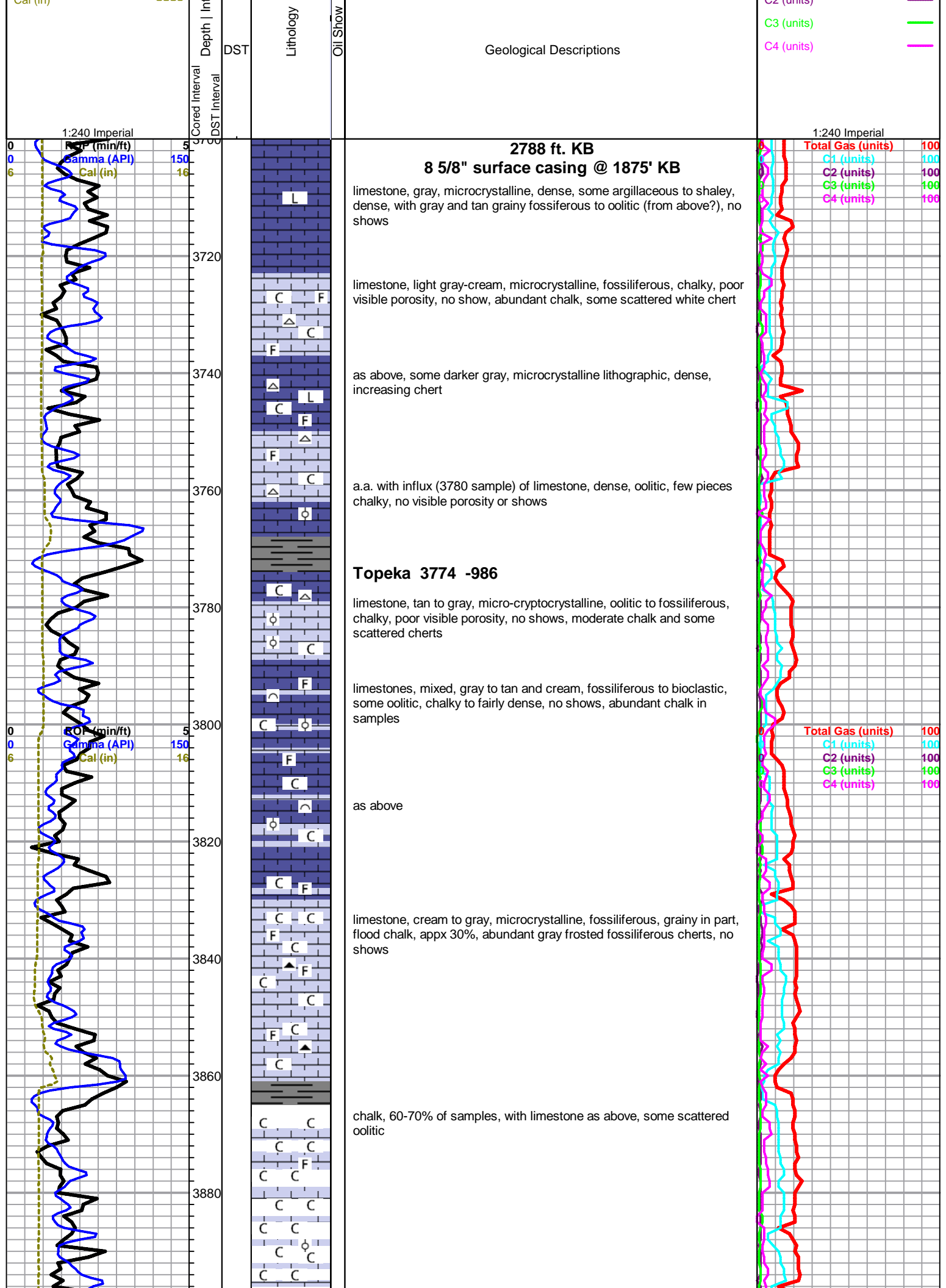
MISC

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

Curve Track #1					TG, C1 - C5
ROP (min/ft)					Total Gas (units)
Gamma (API)					C1 (units)
Col (in)					C2 (units)
		Intervals			



2788 ft. KB
8 5/8" surface casing @ 1875' KB

limestone, gray, microcrystalline, dense, some argillaceous to shaley, dense, with gray and tan grainy fossiliferous to oolitic (from above?), no shows

limestone, light gray-cream, microcrystalline, fossiliferous, chalky, poor visible porosity, no show, abundant chalk, some scattered white chert

as above, some darker gray, microcrystalline lithographic, dense, increasing chert

a.a. with influx (3780 sample) of limestone, dense, oolitic, few pieces chalky, no visible porosity or shows

Topeka 3774 -986

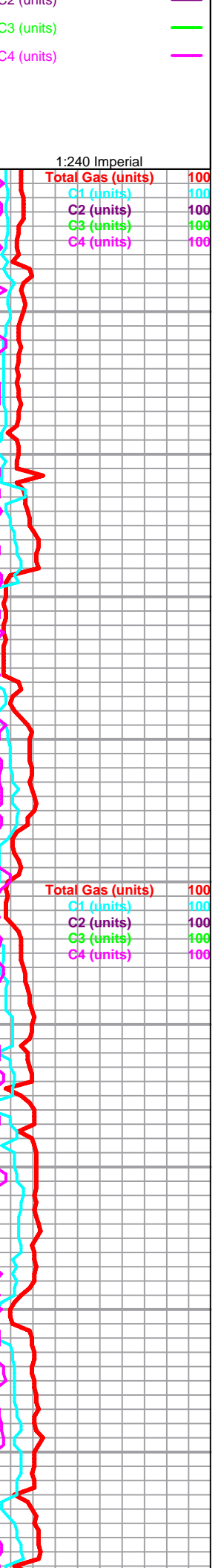
limestone, tan to gray, micro-cryptocrystalline, oolitic to fossiliferous, chalky, poor visible porosity, no shows, moderate chalk and some scattered cherts

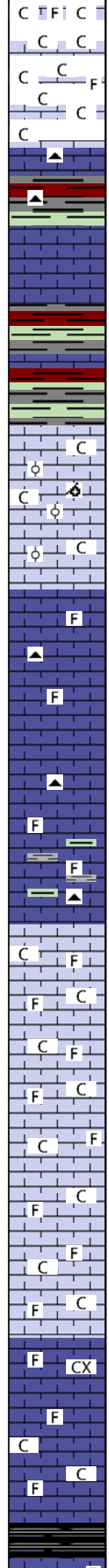
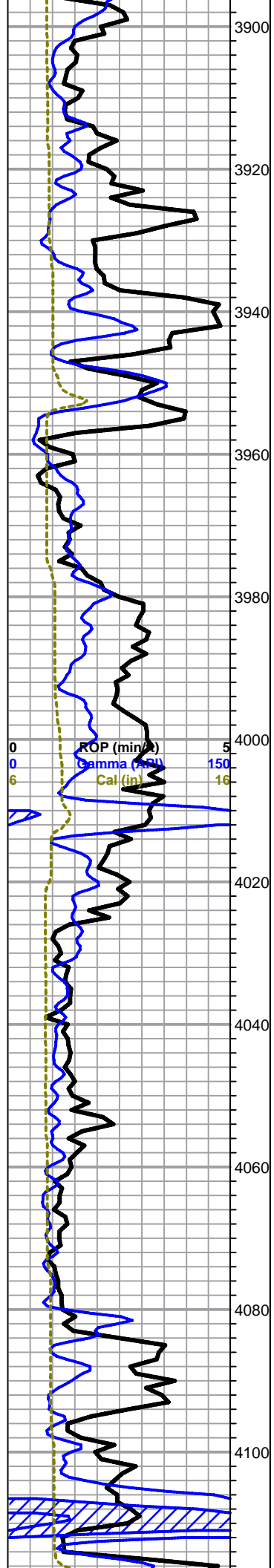
limestones, mixed, gray to tan and cream, fossiliferous to bioclastic, some oolitic, chalky to fairly dense, no shows, abundant chalk in samples

as above

limestone, cream to gray, microcrystalline, fossiliferous, grainy in part, flood chalk, appx 30%, abundant gray frosted fossiliferous cherts, no shows

chalk, 60-70% of samples, with limestone as above, some scattered oolitic





3940 sample, flood red, green and gray shale, dark gray arenaceous limestone, dark gray cherts

limestone, light gray, mottled, microcrystalline, fossiliferous, dense to chalky, no shows

shale and limestone as above

limestone, cream to light tan, oolitic to sub-oolitic, some scattered fair porosity, no shows, abundant chalk

limestone, variable gray, microcrystalline, fossiliferous to lithographic, dense to chalky, no shows, abundant gray cherts

as above, abundant dark gray limestone, very large clasts

as above, with gray and green to black, limey shales, some fossiliferous

limestone, mixed tan to cream and gray fossiliferous, grainy, some scattered pinpoint porosity, no shows abundant chalk, some scattered gray cherts

as above

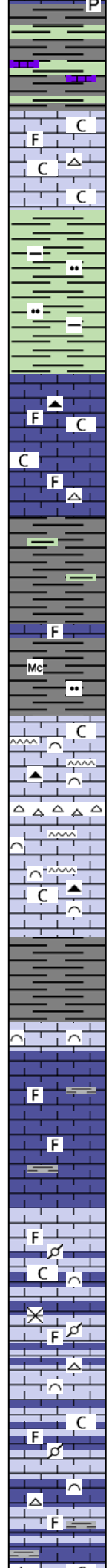
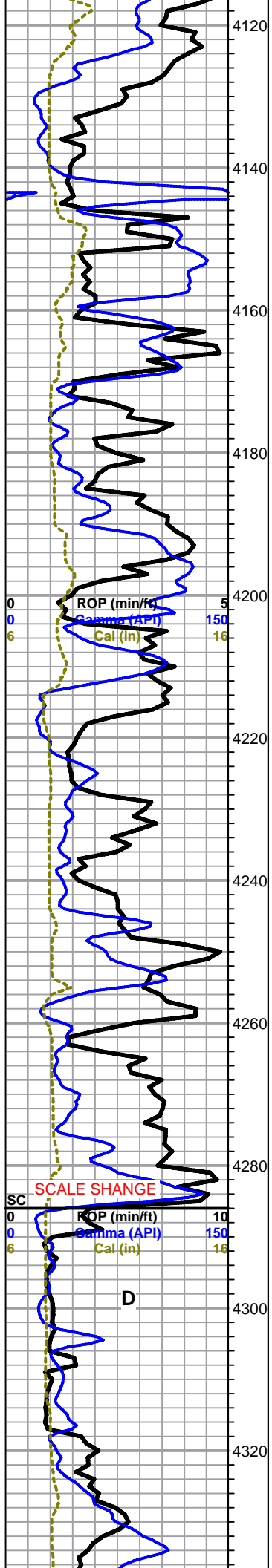
limestone, light gray, micro to cryptocrystalline, fossiliferous, dense, some light gray fossiliferous cherts

limestone as above, some darker gray limestone, flood chalk

Mud-Co Mud Ck
 @ 3904'
 0750 hrs 3/17/11
 vis 49 wt 9.1
 pv 19 yp 20
 wl 8.8
 cake 1/32
 pH 9.5
 chl 2400
 cal 20
 sol 5.6
 lcm 2#
 dmc \$738.10
 cmc \$11186.65

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

Heebner 4110 -1322
 black carbonaceous shale
 limestone, gray mottled, pelletal to fossiliferous, pyritic, with gray/green



Toronto 4132 -1344

limestone, light gray, microcrystalline, fossiliferous, grainy, some interclast porosity, no shows, light fluorescence, 30-40% chalk in samples, abundant light gray to white chert

Douglas 4146 -1358

shale, mostly green to dark green, argillaceous in part, soft

limestone, light gray, gray/green and cream, microcrystalline, fossiliferous, some secondary calcite xtals, some scattered porosity, no shows, even fair mineral fluorescence, abundant chalk, scattered gray and tan cherts

mostly soft gray shales, some green

limestone, tan/brown to gray/brown, dense, cherty, fossiliferous, with abundant mixed gray and green shales, some silty, some micaceous

Lansing 4217 -1429

limestone, cream, microcrystalline, bioclastic, chalky, poor visible porosity, with: chert, appx 20%, tan to gray, fossiliferous, sharp, fresh, no shows, pale bluish/white to light green fluorescence, moderate chalk in samples

as above, decreasing cherts

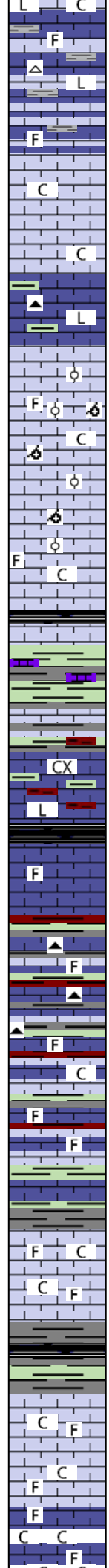
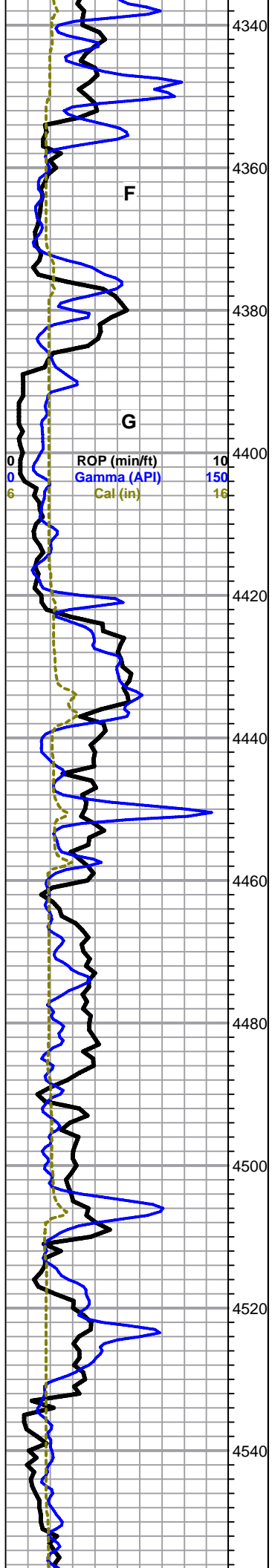
4270 sample, picking up some white flakey fragile bioclastic, 4280 sample grades to: limestone, gray to dark gray, mottled, fossiliferous, dense to soft, shaley in part, with limestone, light gray to gray green, cryptocrystalline, slightly fossiliferous to lithographic, dense, no shows, some scattered chert

limestone, mixed grays to cream, microcrystalline, fossiliferous to bioclastic, some interclast porosity, some secondary calcite, with some gray and tan, mottled pelletal, dense to chalky, no shows, abundant chalk in samples, scattered chert

mixed fossiliferous limestone as above, increase of some gray dense cryptocrystalline, slight increase in shale, still carrying abundant chalk

some limestone as above, with flood dark gray very fossiliferous to

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



lithographic limestone, cherty, some striated, some shaley, some gray to brown striated fossiliferous limey shale, carrying some chert and chalk

limestone, light gray and tan, cryptocrystalline, slightly mottled fossiliferous, chalky, no visible porosity, abundant chalk, no shows, poor fluorescence

limestone, gray, dense, cryptocrystalline, lithographic, gray cherts, trace green shale

limestone, mixed fossiliferous limestones, some oolitic, abundant chalk

4420 sample, flood of tan oomoldic to oolitic, fair porosity, light green fluorescence, no show or odor

4430 sample, abundant brown/black carbonaceous shale

grades to shale, light gray to gray green, some dense and limey, with mixed limestones, some dense gray cryptocrystalline, lithographic

picking up some red, brick red and maroon shales, with limestone, white to gray/green, cryptocrystalline, smooth compact lithographic, slightly fossiliferous, some chalk

trace black carbonaceous shale

limestone, white to cream, cryptocrystalline, chalky, smooth lithographic to light gray, cherty, cryptocrystalline, fossiliferous and light gray grainy fossiliferous, some chalk and chert, no shows

limestone, mixed fossiliferous, with flood shale, mixed gray to green, some red, with flood dark gray fossiliferous cherts

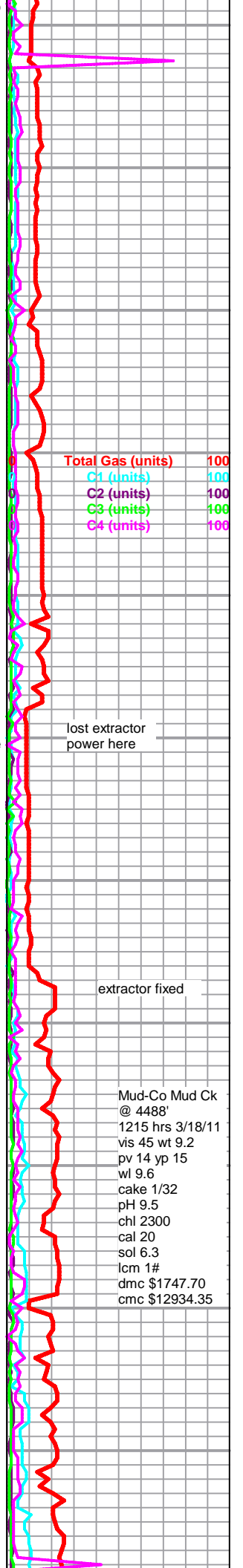
as above, cherts fall out

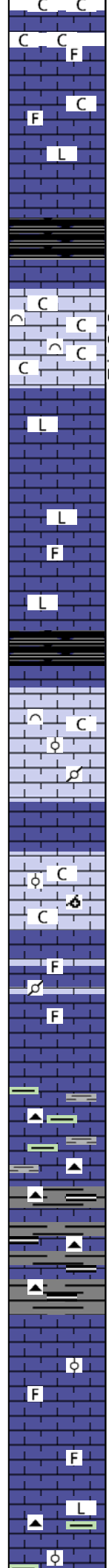
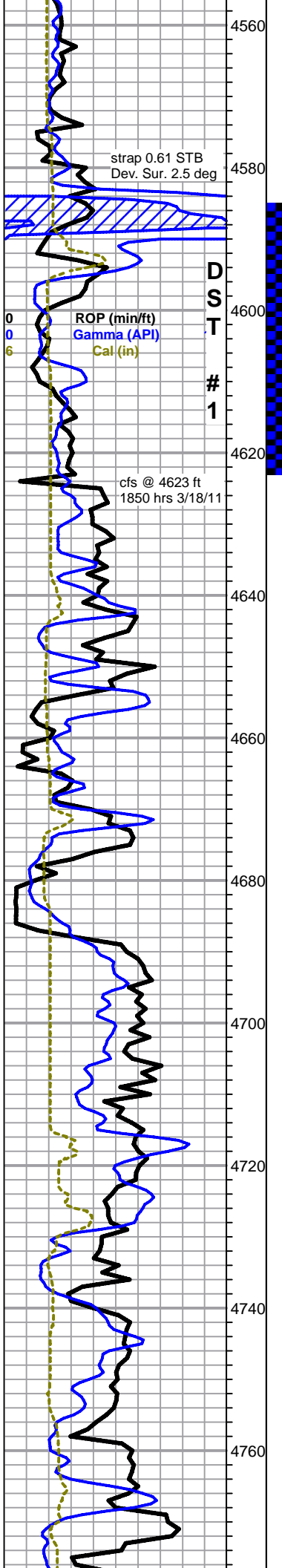
limestone, white to light gray, micro-cryptocrystalline, fossiliferous, chalky, poor visible porosity, no shows, moderate chalk in samples, no fluorescence

gray to green shales, some striated, some black carbonaceous

limestone, mixed non-descript fossiliferous, chalky, abundant chalk in samples, no shows

beginning in 4570 sample, flood chalk, appx 50%, with limestone, cream to gray, dense, fossiliferous





grading to limestone, light gray, chalky, slightly fossiliferous with: brown, dense, cryptocrystalline, cherty, slightly fossiliferous to lithographic, marked decrease in chalk

3-19-2011 Ron Jantz #1-20 (SW) DST #1.pdf
DST1.jpg

Stark Shale 4587 -1799
shale, black carbonaceous

limestone, cream to tan, microcrystalline, spongy bioclastic, some fair pinpoint porosity, light stain, slow bleeding gas and light brown oil droplets, some free oil in tray, faint to fair odor, good fluorescence and cut - with: gray and tan dense fossiliferous to lithographic limestones, some scattered cherts and appx 50% chalk in tray

limestone, light gray to dark gray, cryptocrystalline, dense, marked decrease in chalk in 30 min cfs sample, still some limestone as above, fleeting odor

limestone, light gray to dark gray, cryptocrystalline, dense lithographic, with limestone, light gray, chalky, fossiliferous, dense, no shows

limestone, gray to light gray, cryptocrystalline, pelletal to oolitic and bioclastic, very chalky and weathered, some scattered interclast and oolite porosity, no shows, no fluorescence

limestone, light gray to tan, fairly mature oolitic to oomoldic, some good moldic porosity, chalky in part, no shows or fluorescence, abundant chalk in samples

limestone, mixed non-descript fossiliferous to pelletal, chalky to dense

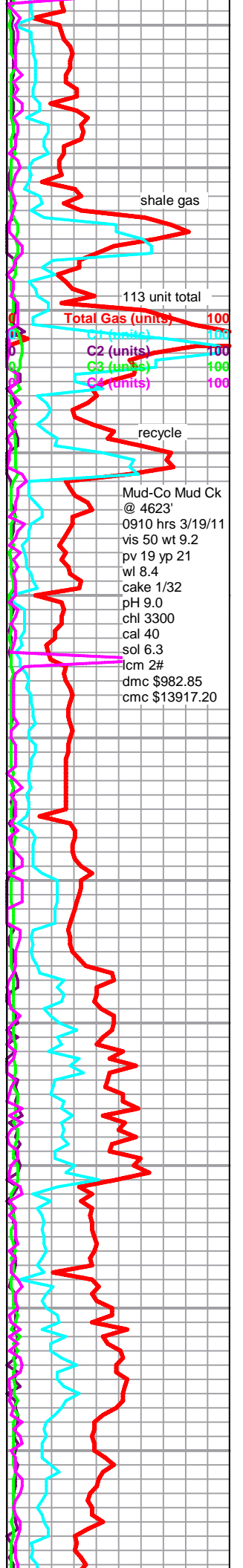
4730 sample, flood dark gray to green shales, silty to limey, with dark gray dense cherty limestone, some fossiliferous with large clasts, still carrying abundant mixed limestones as above - no shows or fluorescence, some chert

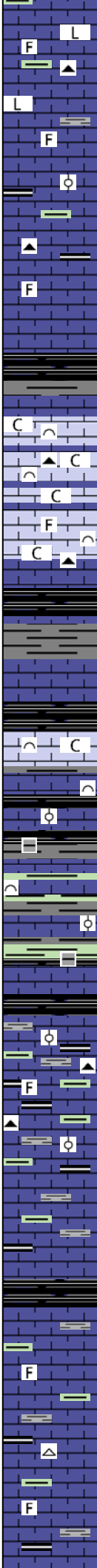
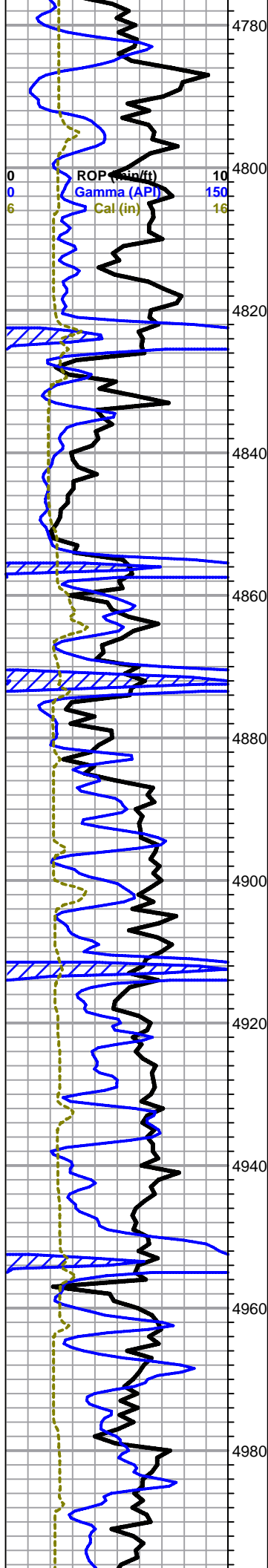
limestone, dark gray, microcrystalline, arenaceous, cherty, dense, shale, dark gray, limey, dense, black carbonaceous shale, dense and blocky, softer light gray silty shales, dark gray to black cherts

Marmaton 4741 -1953

limestone, cream to light gray and white, crypto-microcrystalline, fossiliferous, some flattened oolitic, grainy in part, chalky in part, poor visible porosity, no shows

limestones as above, with: cream cryptocrystalline, compact lithographic, some scattered dark frosted gray cherts and green silty argillaceous shales





limestone, cream to dark gray and brown, microcrystalline, fossiliferous, increase in oolitic, dense, no shows, some scattered brown to tan cherts and gray, green with some very small carbonaceous shale flecks

black carbonaceous shale

Pawnee 4830 -2042

limestone, light gray to cream, cryptocrystalline, chalky to dense, fossiliferous to bioclastic, fairly dense, poor visible porosity, abundant chalk in samples, some scattered gray fossiliferous cherts, some faint fluorescence, no shows

black carbonaceous shale

limestone, gray, microcrystalline, dense, arenaceous, some light gray chalky

Cherokee 4875 -2087

black carbonaceous shale

limestone, cream to gray, micro-oolitic to bioclastic, very chalky, no visible porosity, no shows or cut, abundant chalk in samples

limestone, gray to dark gray, microcrystalline, arenaceous, dense and cherty, with some gray, oolitic to bioclastic, no porosity, mostly dense, chalky in part, with: appx 40% shales, black, gray and green, argillaceous

limestone grading to brown oolitic and light gray fossiliferous, chalky to dense, shales as above decreasing, no shows

black carbonaceous shale

limestones, mixed brown oolitic to mixed gray fossiliferous and dark gray dense cherty, mixed argillaceous shales as above, flood cherts, gray to tan and brown, fossiliferous to oolitic, sharp, fresh, no shows

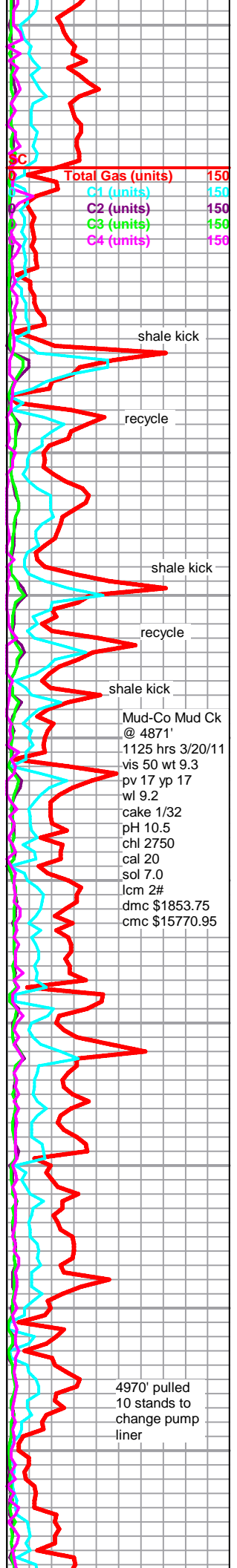
grading to limestone, tan to gray, microcrystalline, arenaceous, decreasing shales and cherts, no shows

shale, black carbonaceous

limestone, mixed arenaceous to fossiliferous, some scattered cherts and gray and green shales, abundant carbonaceous shales

as above

limestone, primarily mixed light gray to light brown mixed fossiliferous, dense, some scattered shales and chert



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

shale kick

recycle

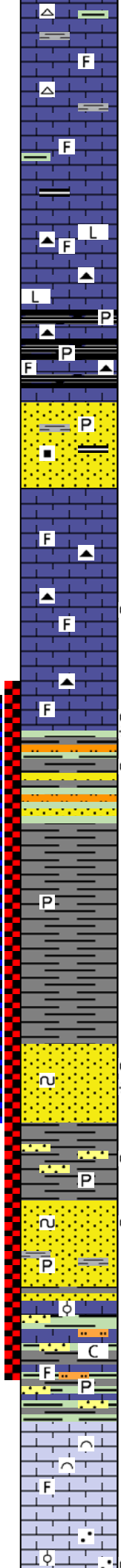
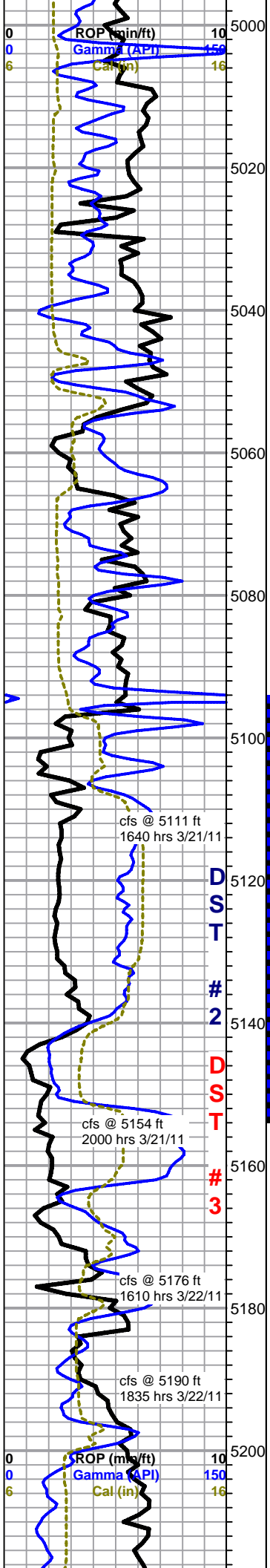
shale kick

recycle

shale kick

Mud-Co Mud Ck @ 4871' 1125 hrs 3/20/11 vis 50 wt 9.3 pv 17 yp 17 wl 9.2 cake 1/32 pH 10.5 chl 2750 cal 20 sol 7.0 lcn 2# dmc \$1853.75 cmc \$15770.95

4970' pulled 10 stands to change pump liner



as above

limestone as above, with influx dark gray limestone, cherty, cryptocrystalline, lithographic to fossiliferous, and, dark gray chert

5060 sample, as above, with flood black shale, dense, blocky, pyritic

sandstone, white, very fine grained quartz, well rounded and sorted, variable cementing, some friable and chalk loades, some very pyritic, many shale inclusions, some black carbon fragements, no visible porosity, shows or fluorensce, didn't drill like sand

limestone, black to dark gray and dark brown, cryptocrystalline, fossiliferous, dense, cherty, with black and dark gray fossiliferous cherts

5090 sample, as above, few pieces dark gray fossiliferous with small vugs, very dense, slight show free oil on break, fair odor, no fluorensce

Morrow 5096 -2308

limestone, gray/green, cryptocrystalline, cherty, fossiliferous in part, full of vugs and wormy solution veins, crystal lined, dark stained throughout, bleeding heavy oil and gas, strong odor, trace dirty well cemented fine grain sandstone, saturated stain, slight show oil, faint to no fluorensce, good cut

30 min sample, influx pale green and gray shales, some silty, with dirty poor sorted very fine grain sandstone to siltstone, fair rounding, shale to chalk filled, poor porosity, some fair stain, trace free oil, abundant chalk in tray, no fluorensce, faint odor in cup, 60 min sample, as in 30 min, less sand, more shale, sand is mostly barren, glauconitic in part, no odor

@ 5112' soft gray clayey to blocky shales, washes heavy gray in samples, grades to denser blocky to fissile dark gray shales, trace pyritic, trace stained sandstone as above, some brown shale, still heavy wash

3-22-2011 Ron Jantz #1-20 (SW) DST #2.pdf

3-23-2011 Ron Jantz #1-23 (SW) DST #3.pdf

sandstone, quartz, black to brown saturated stained, very fine grain, round to sub-round, fair sorting, glauconitic, friable (brown stained) to well cemented (black stained) good show free oil in tray, brown stained bleeding, no oil in black stained, some gassy, good odor, no natural fluorensce, excellent cut - 60 min sample, as above, mostly black stained, some clusters friable with show oil when broken

shale, gray as above in 5170 samp, 30 min samp, sandstone, quartz, very fine to fine grained, glauconitic, fair sorting and rounding, poor visible porosity, well cemented to friable, slight stianing, fleeting odor, show oil on break, no fluorensce, 60 min, a.a., inc. in sand, few pieces stained black & show oil, some sand so dense, cant break, still carrying abundant shales

5180 and 90 samples, a.a., increasing black sands

Mississippian (Chester) 5179 -2391

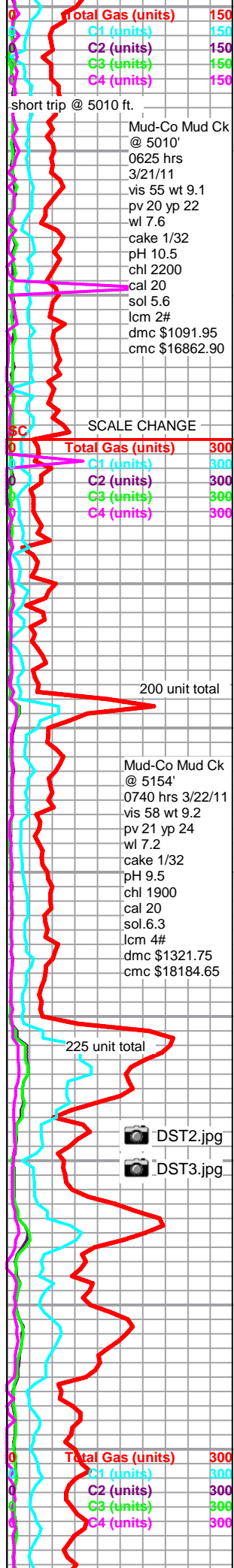
limestone, tan to gray oolitic to fossiliferous, some white very sandy limestone, with shales, brown to light gray and gray, argillaceous to pyritic, grainy to splintery, with sandstone to siltstone, green, very fine grain, well rounded and sorted, well cemented, very dense, no shows or fluorensce, abundant chalk and pyrite in 60 min sample

as above, flood white very fine grained, well cemented sands

limestone, blue/gray to gray/green, bioclastic, poor visible porosity, chalky in part, trace sandy, with mixed shales as above, some white flakey chalky bioclastic limestone, carrying white sand a.a., no shows

Mississippian (St. Gen) 5215 -2427

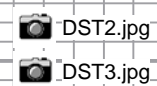
limestone, white to cream and light green, slightly fossiliferous to micro-



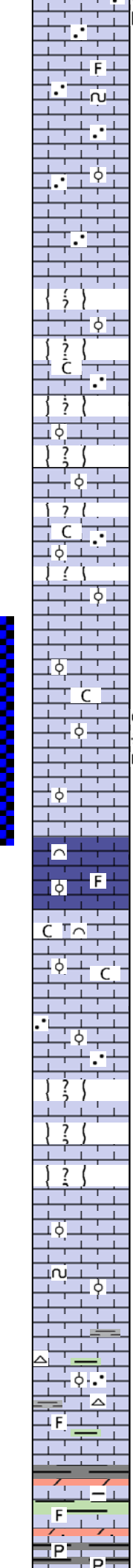
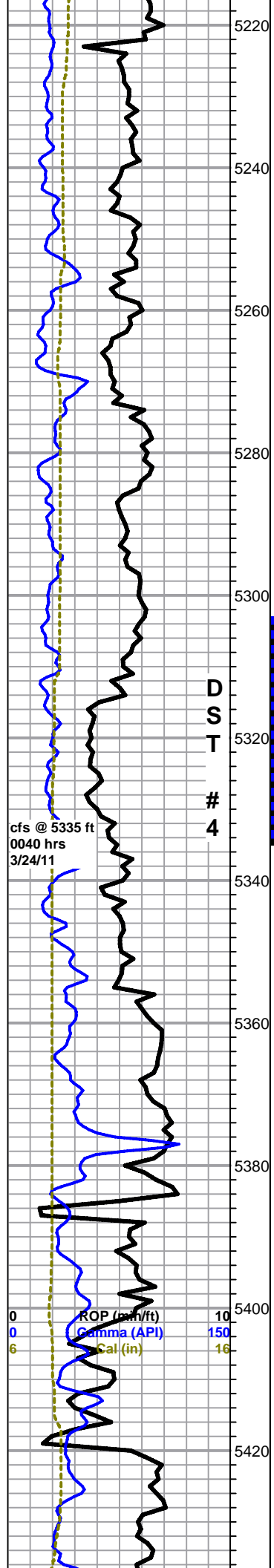
short trip @ 5010 ft.
Mud-Co Mud Ck @ 5010' 0625 hrs 3/21/11 vis 55 wt 9.1 pv 20 yp 22 wl 7.6 cake 1/32 pH 10.5 chl 2200 cal 20 sol 5.6 lcm 2# dmc \$1091.95 cmc \$16862.90

SCALE CHANGE
Total Gas (units) 300
C1 (units) 300
C2 (units) 300
C3 (units) 300
C4 (units) 300

200 unit total
Mud-Co Mud Ck @ 5154' 0740 hrs 3/22/11 vis 58 wt 9.2 pv 21 yp 24 wl 7.2 cake 1/32 pH 9.5 chl 1900 cal 20 sol 6.3 lcm 4# dmc \$1321.75 cmc \$18184.65



Total Gas (units) 300
C1 (units) 300
C2 (units) 300
C3 (units) 300
C4 (units) 300



limestone, white to cream and light green, slightly fossiliferous to more oolitic, very sandy, with black to brown, spotty to saturated stain, trace show tarry free oil, no odor, no fluorescence, slow cut, fair halo, still carrying abundant shales

a.a., show dropping out, trace glauconitic

as above, still lots of sluffing gray shales, few scattered pieces cream to white chalky mature (small oolites) oolitic,

a.a.

5280 - 5300 samples, flood shale, dark gray, near 90-95% of sample, sandy limestones seem to be dropping out, more white to cream oolitic, some sandy with large sand grains, chalky in part, no visible porosity or shows, bluish fluorescence

St. Louis 5280 -2492 (log top)

still mostly shales, with oolitic limestone as above

3-24-2011 Ron Jantz #1-20 (SW) DST #4.pdf

DST4.jpg

limestone, white, mature to slight flattened oolitic, slightly chalky, some scattered interoolite porosity, some friable, spotty to even saturated light staining, fair show gassy live oil, faint odor, fair fluorescence, fair streaming slow, milky cut, some chalk, still abundant shales although diminishing

30 min sample, shales drop out, limestone as above, decreased staining, still fair show free oil in tray, fleeting odor, moderate chalk

limestone, light gray to white, microcrystalline, fossiliferous to bioclastic and oolitic, fairly dense, no visible porosity or fluorescence

gradient to more grainy bioclastic to oolitic, chalky in part, abundant chalk, no shows

limestone, light gray to white, very sandy micro-oolitic, chalky to dense, no shows or fluorescence

5380 & 5390 samples, flood gray to dark gray shales, over 95%

limestone, cream to light gray, microcrystalline, oolitic, fairly mature to flattened, poor visible porosity, some glauconitic, poor visible porosity, chalky, no shows or fluorescence

limestone, mixed oolitic to fossiliferous, some light gray arenaceous dolomite, influx gray and green shales, some sandy gray limestone, weathered gray fossiliferous cherts, some chalk

flood green & gray shale w/ mixed limestone and some argillaceous to arenaceous dolomites, flood pyrite nodules in 5440 sample

a.a.

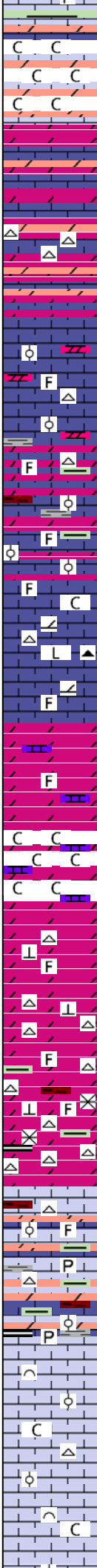
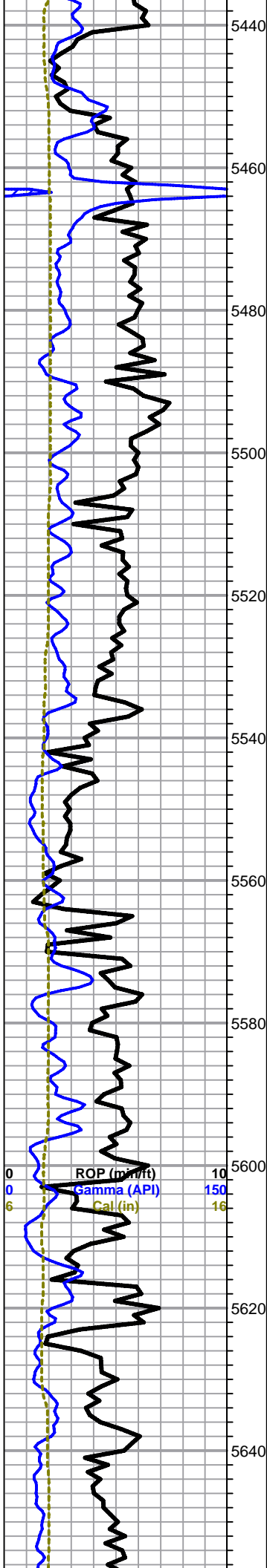
Mud-Co Mud Ck @ 5221' 1355 hrs 3/23/11 vis 60 wt 9.1 pv 17 yp 21 wl 8.8 cake 1/32 pH 9.0 chl 3400 cal 20 sol. 5.6 lcm 3# dmc \$686.30 cmc \$18870.95

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200

start in new pre-mix

Mud-Co Mud Ck @ 5335 1325 hrs 3/24/11 vis 62 wt 9.2 pv 20yp 20 wl 8.4 cake 1/32 pH 10.0 chl 2450 cal 20 sol. 6.3 lcm 3# dmc \$475.00 cmc \$19345.95

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200



Salem 5441 -2653

flood chalk, w/ dolomite-dolomitic limestones, cream to light gray, dense, fossiliferous in part

limestone to dolomitic limestone and limey dolomite, tan to cream, fossiliferous, some oolitic, with dolomite, gray, arenaceous to sub-sucrosic, dense, moderate chalk, no shows, spotty faint fluorescence

a.a., influx translucent gray chert, sharp, fresh, some black mineral inclusions

limestone, tan, micro to cryptocrystalline, oolitic to fossiliferous, dense, no shows, some chalk, with: influx of gray dolomite in 5500 sample, arenaceous, microcrystalline, dense, some scattered cherts

as above, some chalky oolitic, increase in dolomite as above, some tan lithographic limestone, influx mixed shales

TD @ 5505 ft 0950 hrs

limestone, gray, cryptocrystalline, fossiliferous, chalky, some tan lithographic, with dolomitic limestone to dolomitic limestone, brown, fossiliferous, cryptocrystalline, dense - 5540 sample, flood chert, white to gray and tan, fossiliferous

dolomite, brown to dark brown, microcrystalline, dense, cherty, grainy altered fossiliferous, some gray dense oolitic limestone, no shows

weathered oolitic chalk, appx 60%, with dolomite as above, some brown oolitic limestone and gray weathered oolitic to fossiliferous limestone, poor visible porosity, no shows

dolomite to limey dolomite, gray, microcrystalline, sub-sucrosic, some chert inclusions, trace fossiliferous, abundant chert (appx 20%), frosted gray mottled fossiliferous, no shows

a.a. increasing chert 30-40%

mixed dolomites and limestones, same amount of chert, influx shale, green argillaceous, maroon-green mottled, some black blocky, some brown fossiliferous-grainy, with flood large loose quartz crystals

Warsaw 5602 -2814

limestone, gray, mottled, chalky, oolitic to pelletal with: tan to gray fossiliferous limestone, dense, mixed tan to brown dolomites, abundant shales (from above?), mixed white to gray cherts, abundant loose pyrite nodules

limestone, dolomitic, gray, micro to cryptocrystalline, oolitic to bioclastic, no visible porosity, no shows, abundant chalk, some scattered chert

Mud-Co Mud Ck @ 5505
 1100 hrs 3/25/11
 vis 53 wt 9.3
 pv 18 yp 19
 wl 8.8
 cake 1/32
 pH 10.0
 chl 2000
 cal 80
 sol. 7.0
 lcm 3#
 dmc \$806.60
 cmc \$20152.55

Total Gas (units) 200
 C1 (units) 200
 C2 (units) 200
 C3 (units) 200
 C4 (units) 200

5660
5680
5700
5720
5740
5760
5780
5800
5820
5840
5860



limestone as above, with limestone, dark gray, dense bioclastic, and limestone, gray, very chalky to weathered, oolitic to bioclastic, increasing chalk, some scattered cherts, no shows

limestones as above, chalkier, increasing chalk in samples, some cream to tan dolomite, microcrystalline, dense, influx gray mottled oolitic chert, slightly weathered

limestone and dolomite and chert as above, dolomite increasing to primary rock type, chalk dropping out

dolomite to dolomitic limestone, gray to cream, some mottled, microcrystalline, altered fossiliferous to fossiliferous, some large clasts, poor visible porosity, no shows, faint fluorescence, abundant gray mottled fossiliferous cherts and chalk

dolomite, gray to cream mottled, microcrystalline, sub sucrosic, altered fossiliferous, dolomite, mixed cream to gray, fossiliferous, dense, lots of loose large translucent siliceous dolomite crystals, moderate chalk, no shows or fluorescence

dolomites as above, with grainy subsucrosic dolomitic limestone, gray, fossiliferous to bioclastic, no shows, appx 50% chalk

as above, chalk decreasing

as above

dolomite, light green/gray, microcrystalline, arenaceous, slightly fossiliferous, some calcite/quartz veings, arenaceous, with mixed fossiliferous mottled dolomite, sub-sucrosic, poor overall visible porosity, much weathered to chalk, abundant fracutred translucent dolomite crystals

as above

shale, mixed brown to gray, maroon, green and black, fairly dense, some silty some light green clayey sandstones, very fine grain, silty, no porosity, soft, with abundant pyrite nodules

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

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200

Mud-Co Mud Ck @ 5829'
1100 hrs 3/26/11
vis 56 wt 9.4
pv 20 yp 24
wl 8.8
cake 1/32
pH 10.0
chl 1500
cal 60
sol. 7.7
lcm 2.5#
dmc \$1074.95
cmc \$21227.50

5880
5900
5920
5940
5960
5980
6000
6020
6040
6060
6080



shales as above, with dolomite, gray to light green, microcrystalline, argillaceous, fairly dense, no shows

dolomite, gray to tan, mottled, microcrystalline, subsucrosic, altered fossiliferous, glauconitic, with chert (appx 30-40%), gray to tan, some mottled, fossiliferous to spiculitic, some fresh, most slightly weathered to rotten, some spottily fluorescence, no shows

Osage 5925 -3137

dolomite, light gray to gray/green, microcrystalline, sub-sucrosic, poor visible porosity, no shows, with chert, gray/white mottled fossiliferous, mixed shale, large loose dolomite and quartz shards/crystals, some medium crystalline dolomitic limestone, fossiliferous, large clasts, some scattered faint fluorescence

a.a.

dolomite, cream to white, microcrystalline, sucrosic to sub-sucrosic, some white to gray fossiliferous chert, weathered in part, abundant chalk, no shows or fluorescence

flood green, gray and black shale in 5980 sample

dolomite as above, with gray microcrystalline dolomite, dense and cherty, some cream fossiliferous chalky limestone, smokey gray fossiliferous chert to white-gray slight weathered spiculitic chert, abundant chalk, no shows, light fluorescence in limestone only

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

Total Gas (units) 200
C1 (units) 200
C2 (units) 200
C3 (units) 200
C4 (units) 200

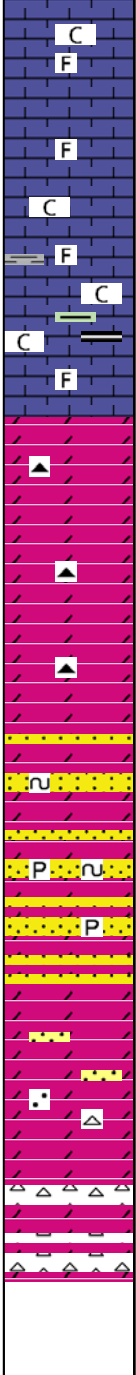
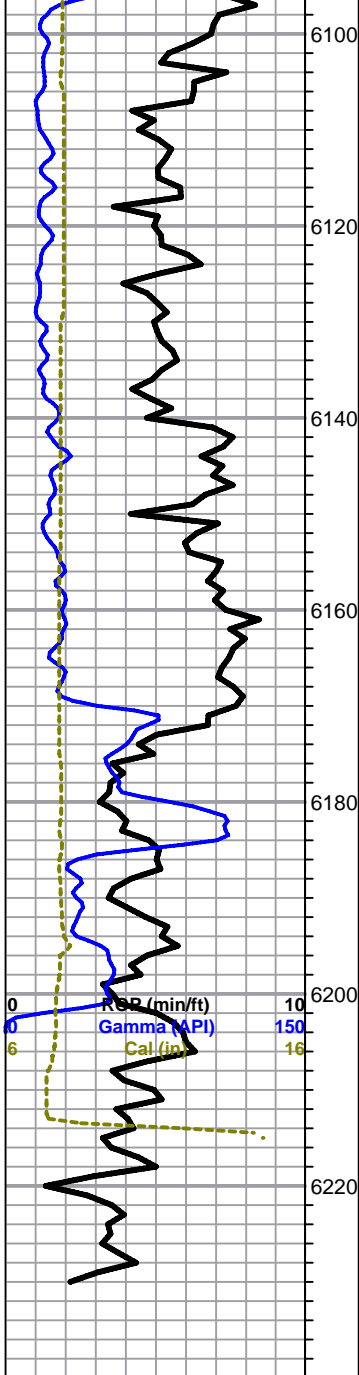
as above, chalk drops out, weathered chert drops out

6060 sample, flood shales

dolomite, light gray and gray/green to cream, microcrystalline, sub-sucrosic, fairly uniform, no shows, few pieces w/bright fluorescence, chert, mostly gray mottled fossiliferous, abundant chalk

dolomite as above, decrease in chert

6110 sample, tray full of light brown dolomite, arenaceous microcrystalline and limestone, cryptocrystalline compact lithographic



limestones, gray to light gray, micro- fine crystalline, fossiliferous, some recrystallized, some large crystals and clasts, some white flakey-friable limestone, abundant chalk, no shows or fluorescence

as above, increase in chalk, still carrying some shales

dolomite, dark dirty gray to light brown, microcrystalline, trace fossiliferous with secondary crystals, arenaceous, very dense, no shows or fluorescence, some scattered dark gray, sharp fresh chert

Maquoketa ? 6173 -3385

6190 sample, dol as above, sandstone, gray quartz, fine grained, well rounded and sorted, some black speckled, glauconitic to pyritic, well cemented, dolomite cem., poor visible porosity, no shows

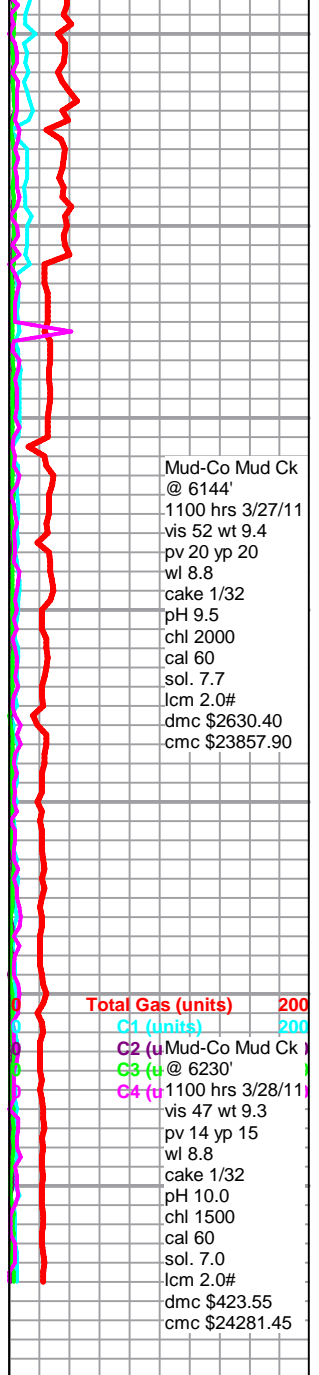
6200 sample, dol and sandstone a.a. appx 50-50

Viola 6193 -3405

dolomite, cream to white, microcrystalline, sub-sucrosidolomite, some gray/green, micro-cryptocrystalline, dense, few pieces sandy, poor visible porosity, some faint fluorescence, scattered sand as above, few pieces white chert

dolomite as above, flood of white sharp fresh chert in 30 and 60 min samples, appx 30%

TD @ 6230 ft 1900 hrs 3/27/11
Log Tech TD 6229 ft
Complete Logging Operations 0745 hrs 3/29/11



Mud-Co Mud Ck @ 6144'
 1100 hrs 3/27/11
 vis 52 wt 9.4
 pv 20 yp 20
 wl 8.8
 cake 1/32
 pH 9.5
 chl 2000
 cal 60
 sol. 7.7
 lcm 2.0#
 dmc \$2630.40
 cmc \$23857.90

Total Gas (units) 200
C1 (units) 200
C2 (u) Mud-Co Mud Ck
C3 (u) @ 6230'
C4 (u) 1100 hrs 3/28/11
 vis 47 wt 9.3
 pv 14 yp 15
 wl 8.8
 cake 1/32
 pH 10.0
 chl 1500
 cal 60
 sol. 7.0
 lcm 2.0#
 dmc \$423.55
 cmc \$24281.45

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)
Address	125 N. Market, Ste. 1252	Lease #	1-20
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW
Attn.	Keith Reavis	Section	20
		Township	28S
		County	Gray
		Drilling Cont	Sterling Drilling Co. Rig #5
Job Ticket		State	KS
Range			30W

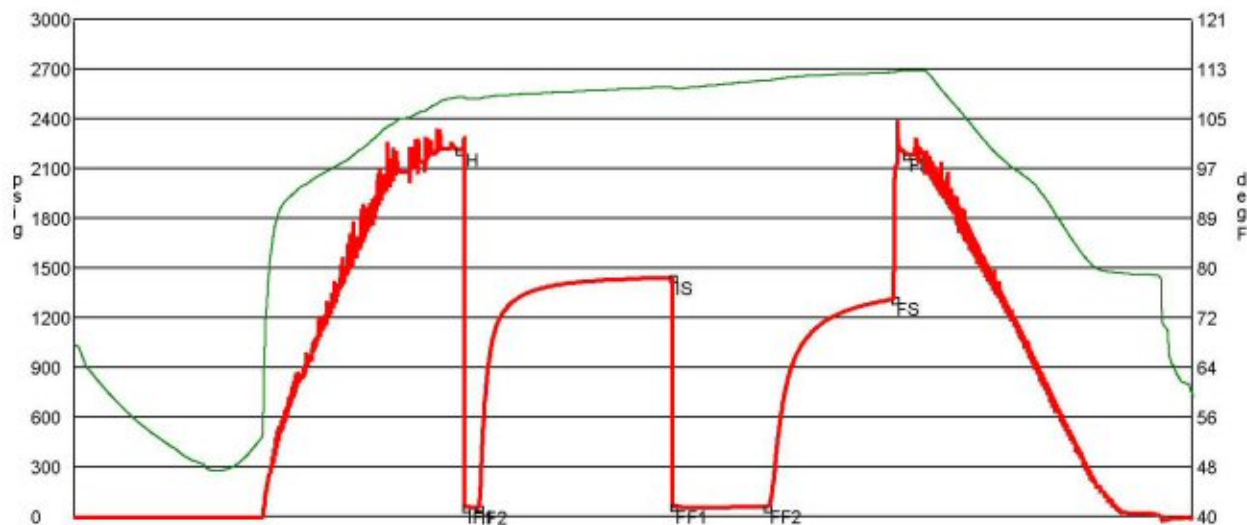
Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # 1	Test Date	3/19/2011	Chokes	3/4	Hole Size	7 7/8
Tester	Tim Venters		Top Recorder #	W1119		
Test Type	Conventional Bottom Hole		Mid Recorder #	W1022		
	Successful Test		Bott Recorder #	13310		
# of Packers	2.0	Packer Size	6 3/4	Mileage	224	Approved By
Mud Type	Gel Chem			Standby Time	0	
Mud Weight	9.2	Viscosity	50.0	Extra Equipmnt	Jars & Safety joint	
Filtrate	8.4	Chlorides	3300	Time on Site	11:00 PM	
				Tool Picked Up	3:40 AM	
				Tool Layed Dwn	11:15 AM	
Drill Collar Len	337.0			Elevation	2775.00	Kelley Bushings
Wght Pipe Len	0					2788.00
Formation	Swope			Start Date/Time	3/19/2011 2:38 AM	
Interval Top	4585.0	Bottom	4623.0	End Date/Time	3/19/2011 11:20 AM	
Anchor Len Below	38.0	Between	0			
Total Depth	4623.0					
Blow Type	Weak surface blow at the start of the initial flow period, building to 1/2 inch.					
	Very weak surface blow at the start of the final flow period, building to 1/2 inch in 25 minutes, where it held the rest of the period. Times: 5, 90, 45, 60.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
60	Mud	0% Oft	0% Oft	0% Oft	100%60ft



Date	Time	Pressure	Temp	
3/19/2011 5:36:30 AM	2.975	2216.467	108.33	Initial Hydro-static
3/19/2011 5:39:40 AM	3.027778	57.882	108.312	Initial Flow (1)
3/19/2011 5:45:40 AM	3.127778	52.522	108.134	Initial Flow (2)
3/19/2011 7:16:30 AM	4.641667	1440.47	110.076	Initial Shut-In
3/19/2011 7:16:50 AM	4.647222	60.733	109.911	Final Flow (1)
3/19/2011 8:00:50 AM	5.380556	58.915	111.119	Final Flow (2)
3/19/2011 9:00:10 AM	6.369444	1312.804	112.383	Final Shut-In
3/19/2011 9:05:50 AM	6.463889	2185.464	112.695	Final Hydro-static

RICKETTS TESTING

Company **Falcon Exploration, Inc.**
 Address **125 N. Market, Ste. 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Keith Reavis**

Lease Name **Ron Jantz (SW)**
 Lease # **1-20**
 Legal Desc **NW-NW-NE-SW** Job Ticket **2145**
 Section **20** Range **30W**
 Township **28S**
 County **Gray** State **KS**
 Drilling Cont **Sterling Drilling Co. Rig #5**

Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # **2** Test Date **3/22/2011**
 Tester **Tim Venters**
 Test Type **Conventional Bottom Hole Successful Test**
 # of Packers **2.0** Packer Size **6 3/4**

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

Mud Type **Gel Chem**
 Mud Weight **9.3** Viscosity **58.0**
 Filtrate **7.2** Chlorides **1900**

Mileage **224** Approved By
 Standby Time **13.33**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **11:10 PM**
 Tool Picked Up **1:00 AM**
 Tool Layed Dwn **11:00 AM**

Drill Collar Len **337.0**
 Wght Pipe Len **0**

Elevation **2775.00** Kelley Bushings **2788.00**

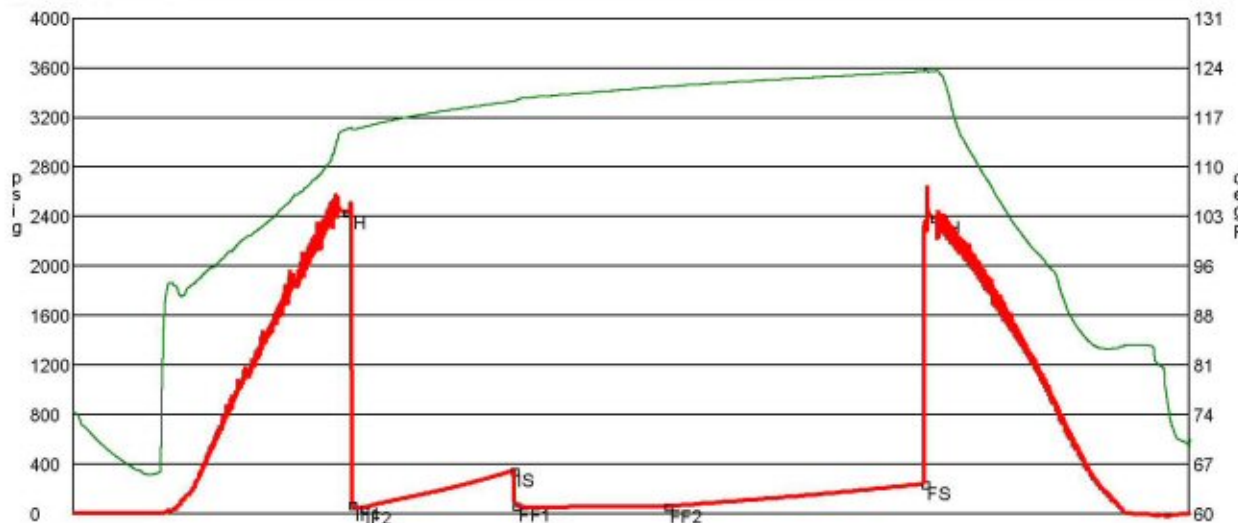
Formation **Morrow**
 Interval Top **5094.0** Bottom **5154.0**
 Anchor Len Below **60.0** Between **0**

Start Date/Time **3/22/2011 12:09 AM**
 End Date/Time **3/22/2011 11:03 AM**

Blow Type **Weak 1/4 inch blow at the start of the initial flow period, building to 1 1/2 inches. Fairly strong 3 inch blow at the start of the final flow period, building to 10 1/2 inches. Times: 5, 90, 90, 150.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
375	Gas in Pipe	100% 375ft	0% 0ft	0% 0ft	0% 0ft
60	Slight oil cut mud	0% 0ft	7% 4.2ft	0% 0ft	93% 55.8ft



Date	Time	Pressure	Temp	
3/22/2011 2:48:00 AM	2.65	2437.178	115.096	Initial Hydro-static
3/22/2011 2:51:20 AM	2.705556	79.213	115.245	Initial Flow (1)
3/22/2011 2:57:50 AM	2.813889	50.677	115.42	Initial Flow (2)
3/22/2011 4:26:30 AM	4.291667	353.015	119.17	Initial Shut-In
3/22/2011 4:27:40 AM	4.311111	73.81	119.217	Final Flow (1)
3/22/2011 5:56:20 AM	5.788889	62.412	121.272	Final Flow (2)
3/22/2011 8:27:20 AM	8.305556	245.48	123.406	Final Shut-In
3/22/2011 8:32:50 AM	8.397222	2391.3	123.457	Final Hydro-static

Company	Falcon Exploration, Inc.	Lease Name	Ron Jantz (SW)
Address	125 N. Market, Ste. 1252	Lease #	1-20
CSZ	Wichita, KS 67202	Legal Desc	NW-NW-NE-SW
Attn.	Keith Reavis	Section	20
		Township	28S
		County	Gray
		Drilling Cont	Sterling Drilling Co. Rig #5
Job Ticket		Range	2145
		State	30W
			KS

Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

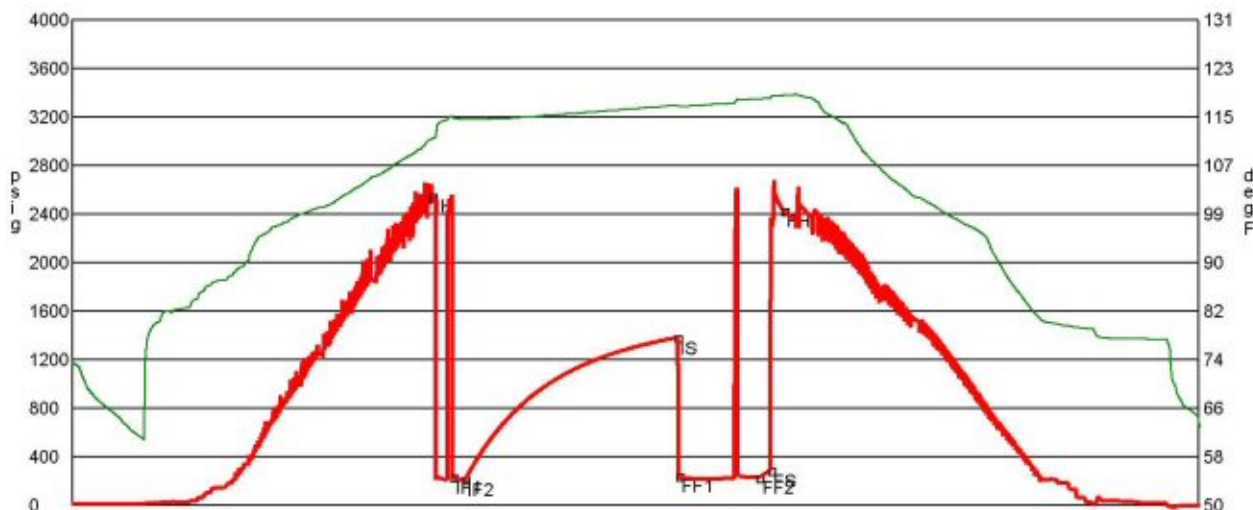
GENERAL INFORMATION

Test # 3	Test Date 3/23/2011	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters	Test Type Conventional Bottom Hole Mis-run	Top Recorder # W1119	
# of Packers 2.0	Packer Size 6 3/4	Mid Recorder # W1022	
Mud Type Gel Chem	Viscosity 58.0	Bott Recorder # 13310	
Mud Weight 9.3	Chlorides 1900	Mileage 0	Approved By
Filtrate 7.2		Standby Time 0	
Drill Collar Len 337.0		Extra Equipmnt Jars & Safety joint	
Wght Pipe Len 0		Time on Site 4:30 PM	
Formation Morrow		Tool Picked Up 10:35 PM	
Interval Top 5092.0	Bottom 5190.0	Tool Layed Dwn 5:55 AM	
Anchor Len Below 98.0	Between 0	Elevation 2775.00	Kelley Bushings 2788.00
Total Depth 5190.0		Start Date/Time 3/23/2011 9:55 PM	
Blow Type Weak 1/4 inch blow at the start of the intial flow period, building to 1/2 inch . Weak surface blow at the start of the final flow period. We flushed the tool 23 minutes into the period and got a surface blow that built to 1/4 inch in 5 minutes. After 10 minutes, it was at a weak surface blow. Times; 5, 90, 34, 5. There was specs of oil in the tool on recovery.		End Date/Time 3/24/2011 5:51 AM	

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
315	Mud	0% Off	0% Off	0% Off	100% 315ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	3/24/2011	12:26:10 AM	2.519444	2546.248	111.145
IF1	3/24/2011	12:34:50 AM	2.663889	233.117	114.744
IF2	3/24/2011	12:39:50 AM	2.747222	209.645	114.386
IS	3/24/2011	2:09:50 AM	4.247222	1379.496	116.72
FF1	3/24/2011	2:10:30 AM	4.258333	238.463	116.598
FF2	3/24/2011	2:44:30 AM	4.825	227.751	117.807
FS	3/24/2011	2:49:20 AM	4.905556	286.335	117.947
FH	3/24/2011	2:55:00 AM	5	2426.56	118.406

Company **Falcon Exploration, Inc.**
 Address **125 N. Market, Ste. 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Keith Reavis**

Lease Name **Ron Jantz (SW)**
 Lease # **1-20**
 Legal Desc **NW-NW-NE-SW** Job Ticket **2145**
 Section **20** Range **30W**
 Township **28S**
 County **Gray** State **KS**
 Drilling Cont **Sterling Drilling Co. Rig #5**

Comments **Legal Description Feet: 2420' FSL & 1620' FWL**

GENERAL INFORMATION

Test # **4** Test Date **3/24/2011**
 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 **76** Approved By

Mud Type **Gel Chem**
 Mud Weight **9.2** Viscosity **60.0**
 Filtrate **8.8** Chlorides **3400**

Standby Time **0**
 Extra Equipmnt **Jars & Safety joint**
 Time on Site **2:25 AM**
 Tool Picked Up **4:50 AM**
 Tool Layed Dwn **1:55 PM**

Drill Collar Len **337.0**
 Wght Pipe Len **0**

Elevation **2775.00** Kelley Bushings **2788.00**

Formation **Mississippian St. Louis**
 Interval Top **5303.0** Bottom **5335.0**
 Anchor Len Below **32.0** Between **0**

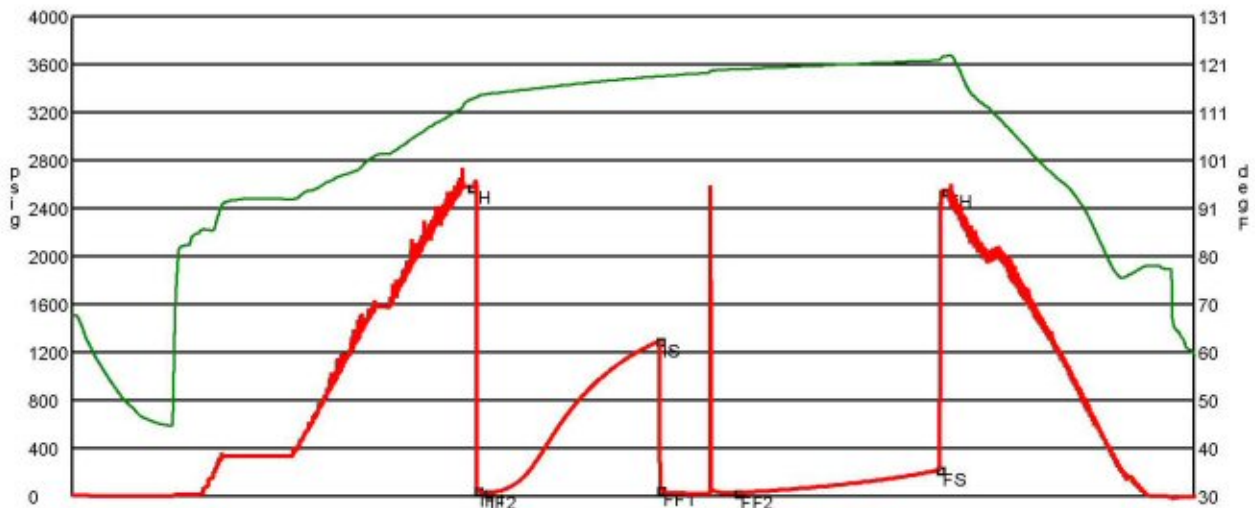
Start Date/Time **3/24/2011 4:12 AM**
 End Date/Time **3/24/2011 1:56 PM**

Total Depth **5335.0**
 Blow Type **Weak surface blow at the start of the intial flow period, building to 1/4 inch.
 Weak surface blow at the start of the final flow period, lasting 15-20 minutes.
 We flushed the tool 25 minutes into period and got a weak surface blow lasting 11 minutes. Times: 5, 90, 40, 106.**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
10	Mud with a very slight trace of oil	0% Oft	trace	0% Oft	100%10ft

DST Fluids **0**



	Date	Time	Pressure	Temp		
IH	3/24/2011	7:38:40 AM	3.444444	2579.182	113.614	Initial Hydro-static
IF1	3/24/2011	7:42:10 AM	3.502778	50.8	114.133	Initial Flow (1)
IF2	3/24/2011	7:47:20 AM	3.588889	30.819	114.749	Initial Flow (2)
IS	3/24/2011	9:17:00 AM	5.083333	1297.872	118.497	Initial Shut-in
FF1	3/24/2011	9:17:40 AM	5.094444	57.541	118.453	Final Flow (1)
FF2	3/24/2011	9:57:50 AM	5.763889	31.807	119.979	Final Flow (2)
FS	3/24/2011	11:43:00 AM	7.516667	222.125	121.874	Final Shut-in
FH	3/24/2011	11:46:00 AM	7.566667	2543.102	122.772	Final Hydro-static