



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: _____



1053422

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

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

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	ANDEE FRY 1-2
Doc ID	1053422

All Electric Logs Run

DIL
MEL
BHCS
CNL/CDL
FRACFINDER
GAMMA RAY

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	ANDEE FRY 1-2
Doc ID	1053422

Tops

Name	Top	Datum
CHASE	2650	161
TOWANDA	2770	41
STOTLER	3488	-677
TARKIO	3562	-751
LANSING	4221	-1410
STARK	4556	-1745
MARMATON	4710	-1899
PAWNEE	4804	-1993
MORROW SH	5038	-2227
MISS ST GEN	5112	-2301
MISS ST LOUIS	5142	-2331

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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

April 06, 2011

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

Re: ACO1
API 15-069-20335-00-00
ANDEE FRY 1-2
SW/4 Sec.02-28S-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. 042159

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal, Ko.

DATE <u>1-1-10</u>	SEC. <u>2</u>	TWP. <u>28S</u>	RANGE <u>30W</u>	CALLED OUT <u>11:00 A.M.</u>	ON LOCATION <u>2:00 P.M.</u>	JOB START <u>7:30 P.M.</u>	JOB FINISH <u>9:00 P.M.</u>
LEASE <u>Andree Fu</u>		WELL # <u>1-2</u>		LOCATION <u>Cape Land Co. E to Pole</u>		COUNTY <u>Gray</u>	STATE <u>KS.</u>
OLD OR <u>NEW</u> (Circle one)				<u>N to ZZ W. into</u>			

CONTRACTOR H-2 OWNER Falcon Exploration

TYPE OF JOB <u>Surface</u>		CEMENT	
HOLE SIZE <u>12 1/4</u>	T.D. <u>1875'</u>	AMOUNT ORDERED <u>675 x 6.5 = 35.6 +</u>	
CASING SIZE <u>8 5/8</u>	DEPTH <u>1862'</u>	<u>39cc + 1/4 # flb. gel</u>	
TUBING SIZE	DEPTH	<u>150 x A + 39cc + 290 gel</u>	
DRILL PIPE	DEPTH		
TOOL	DEPTH		
PRES. MAX <u>1100</u>	MINIMUM	COMMON <u>150 @ 15.45 = 2317.50</u>	
MEAS. LINE	SHOE JOINT <u>42'</u>	POZMIX @	
CEMENT LEFT IN CSG.		GEL <u>3 @ 20.80 = 62.40</u>	
PERFS.		CHLORIDE <u>27 @ 58.20 = 1571.40</u>	
DISPLACEMENT <u>16.5 385 fresh</u>		ASC @	
EQUIPMENT		<u>Lite weight 675 @ 14.80 = 9990.00</u>	
PUMP TRUCK CEMENTER <u>M. Coday</u>		<u>Flo Seal 169 @ 2.50 = 420.00</u>	
# <u>372</u> HELPER <u>C. Peric</u>		@	
BULK TRUCK		@	
# <u>457-251</u> DRIVER <u>C. Shira</u>		@	
BULK TRUCK		@	
#	DRIVER <u>Gret Bend</u>	@	
		HANDLING <u>897 @ 2.40 = 2152.80</u>	
		MILEAGE <u>897/50 = 1.10 = 4485.00</u>	

REMARKS:

See Job log.

TOTAL 20999.10

SERVICE

DEPTH OF JOB <u>1875'</u>	
PUMP TRUCK CHARGE	<u>2011.00</u>
EXTRA FOOTAGE @	
MILEAGE <u>50 @ 7.00</u>	<u>350.00</u>
MANIFOLD @	
<u>Cement head 1 @ 113.00</u>	<u>113.00</u>
@	

TOTAL 2474.00

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

PLUG & FLOAT EQUIPMENT

<u>1- Guide Shoe</u>	@	<u>282.00</u>
<u>1- Rubber Plus</u>	@	<u>113.00</u>
<u>1- AFV Insert</u>	@	<u>377.00</u>
<u>3- Bus Nets</u>	@	<u>248.00</u>
<u>2- Centralizers</u>	@	<u>62.00</u>
		TOTAL <u>1640.00</u>

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 Kukwa
SIGNATURE [Signature]

SALES TAX (If Any) _____
TOTAL CHARGES [Signature]
DISCOUNT [Signature] IF PAID IN 30 DAYS

Cement Report

Customer <i>Falcon Exploration</i>		Lease No.		Date <i>1-15-11</i>
Lease <i>Andee Fry</i>		Well # <i>1-2</i>		Service Receipt <i>01255</i>
Casing <i>4 1/2</i>	Depth <i>3738</i>	County <i>Gray</i>	State <i>KS</i>	
Job Type <i>L.S. Packer Shoe</i>		Formation	Legal Description <i>2-28-30</i>	

Pipe Data		Perforating Data		Cement Data
Casing size <i>4 1/2 10.5#</i>	Tubing Size	Shots/Ft		Lead
Depth <i>3738</i>	Depth	From	To	
Volume <i>59615</i>	Volume	From	To	
Max Press <i>2000</i>	Max Press	From	To	
Well Connection <i>4 1/2</i>	Annulus Vol.	From	To	
Plug Depth <i>3726</i>	Packer Depth	From	To	Tail in <i>AA2 CMT</i>
				<i>235sk</i>
				<i>1.54 FT 3sk 6.44 GAL-SK</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>220</i>					<i>Arrive On Location</i>
<i>230</i>					<i>Safety Meeting Rig Up</i>
<i>330</i>					<i>Rig Running in Casing</i>
<i>800</i>					<i>Circulat w/Rig</i>
<i>855</i>					<i>Hook Up To BES</i>
<i>900</i>	<i>2000</i>		<i>.5</i>	<i>.5</i>	<i>Pressure Test</i>
<i>910</i>	<i>1200</i>		<i>1.0</i>	<i>1.0</i>	<i>Set Packer Shoe</i>
<i>915</i>	<i>400</i>		<i>5</i>	<i>4.0</i>	<i>Pump Water Spacer</i>
<i>920</i>	<i>400</i>		<i>12</i>	<i>4.0</i>	<i>Pump Super Flush Spacer</i>
<i>925</i>	<i>350</i>		<i>5</i>	<i>4.0</i>	<i>Pump Water Spacer</i>
<i>930</i>	<i>400</i>		<i>64</i>	<i>4.0</i>	<i>Pump 235sk cmt @ 14.8#/s</i>
<i>950</i>					<i>Drop Plug - Wash Pump and Lines</i>
<i>955</i>	<i>400</i>		<i>49</i>	<i>6.0</i>	<i>Displace</i>
<i>1010</i>	<i>600</i>		<i>10</i>	<i>2.5</i>	<i>Slow Down - Displace</i>
<i>1015</i>	<i>1100</i>		<i>.5</i>	<i>.5</i>	<i>Land Plug - Plug Held</i>
					<i>Plug Rest and Mouse Hole</i>
					<i>W/ 50sk of cmt</i>
					<i>Job Complete</i>
					<i>Thanks For Using Basic Energy Services</i>

Service Units	<i>19814</i>	<i>27462</i>	<i>14384-19578</i>		
Driver Names	<i>J Chavez</i>	<i>Rubon</i>	<i>Shawn S.</i>		

Chuck
Customer Representative
Jerry Bennett
Station Manager
Emuel Chavez
Cementer

Company	Falcon Exploration, Inc.	Lease Name	Andee Fry	
Address	125 N. Market, Ste. 1252	Lease #	1-2	
CSZ	Wichita, KS 67202	Legal Desc	SE-SE-SE-SW	Job Ticket 2135
Attn.	Dave Williams	Section	2	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	H-2 Drilling Co. Rig #1	

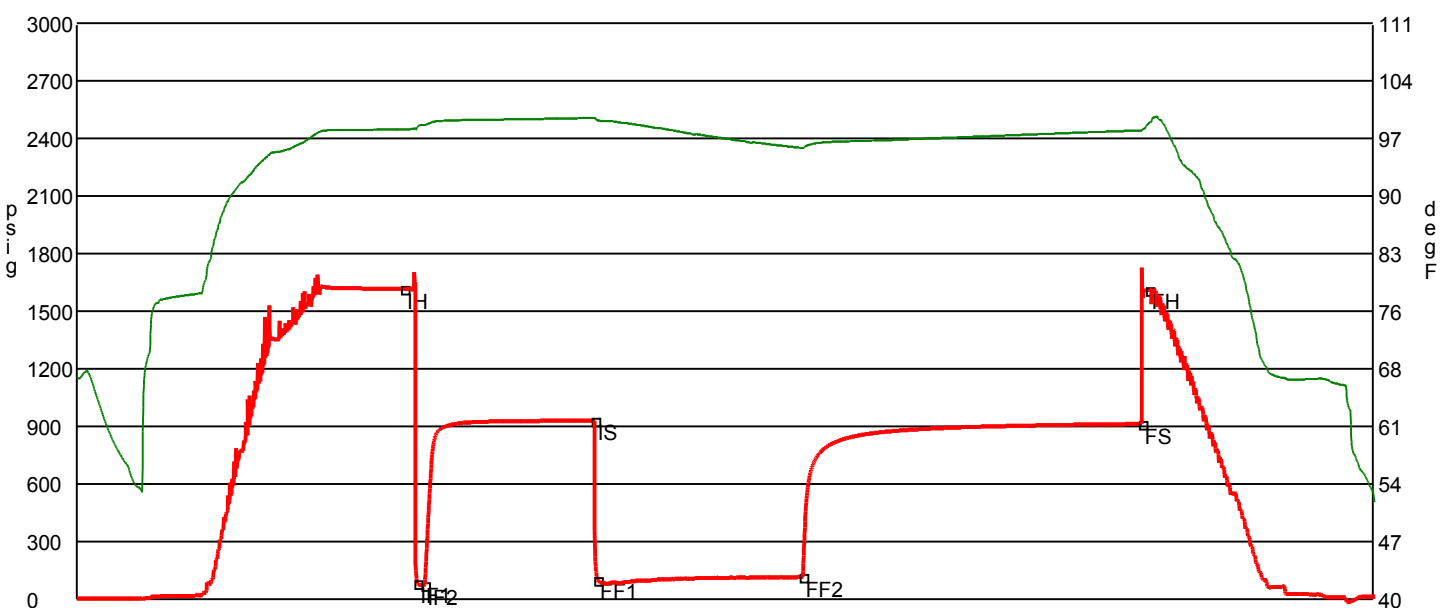
Comments **Legal Description Feet: 200' FSL & 2360' FWL**

GENERAL INFORMATION

Test # 1	Test Date	1/5/2011	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	232	Approved By
				Standby Time	0	
Mud Type	Gel Chem		Extra Equipmnt	Jars & Safety joint		
Mud Weight	9.0	Viscosity	45.0	Time on Site	9:00 AM	
Filtrate	8.0	Chlorides	2100	Tool Picked Up	11:15 AM	
				Tool Layed Dwn	9:50 PM	
Drill Collar Len	0		Elevation	2799.00	Kelley Bushings	2809.00
Wght Pipe Len	0					
Formation	Stotler		Start Date/Time	1/5/2011 10:28 AM		
Interval Top	3444.0	Bottom	3516.0	End Date/Time	1/5/2011 9:55 PM	
Anchor Len Below	72.0	Between	0			
Total Depth	3516.0					
Blow Type	Fairly strong 2 1/2 inch blow at the start of the initial flow period, building, reaching the bottom of the bucket in 1 minute. I had my 2 inch flow valve open about 1/2 way and still blew off bottom. Very strong blow throughout the fina l flow period, hitting the bottom of the bucket instantaneously. Gas to surface : 1 minute. Times: 5, 90, 110, 180.					

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
3295	Gas in Pipe	100%	0% 0ft	0% 0ft	0% 0ft
125	Mud	0% 0ft	0% 0ft	0% 0ft	100% 125ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	1/5/2011 1:20:20 PM	2.872222	1617.735	97.965	Initial Hydro-static
IF1	1/5/2011 1:27:20 PM	2.988889	83.866	98.169	Initial Flow (1)
IF2	1/5/2011 1:31:10 PM	3.052778	73.978	98.519	Initial Flow (2)
IS	1/5/2011 3:01:20 PM	4.555556	931.332	99.355	Initial Shut-In
FF1	1/5/2011 3:02:50 PM	4.580556	102.86	99.066	Final Flow (1)
FF2	1/5/2011 4:51:40 PM	6.394444	117.299	95.643	Final Flow (2)
FS	1/5/2011 7:51:20 PM	9.388889	914.184	97.82	Final Shut-In
FH	1/5/2011 7:55:20 PM	9.455556	1611.71	98.75	Final Hydro-static

GAS FLOWS

Min Into IFP	Min Into FFP	Gas Flows	Pressure	Choke
0	10	129.00 mcf	12.00 psig	0.50 in
0	20	166.00 mcf	18.00 psig	0.50 in
0	30	183.00 mcf	21.00 psig	0.50 in
0	40	193.00 mcf	23.00 psig	0.50 in
0	50	205.00 mcf	25.00 psig	0.50 in
0	60	213.50 mcf	26.50 psig	0.50 in
0	70	219.00 mcf	27.50 psig	0.50 in
0	80	222.00 mcf	28.00 psig	0.50 in
0	90	226.00 mcf	29.00 psig	0.50 in
0	100	226.00 mcf	29.00 psig	0.50 in
0	110	228.50 mcf	29.50 psig	0.50 in

Company	Falcon Exploration, Inc.	Lease Name	Andee Fry	
Address	125 N. Market, Ste. 1252	Lease #	1-2	
CSZ	Wichita, KS 67202	Legal Desc	SE-SE-SE-SW	Job Ticket 2135
Attn.	Dave Williams	Section	2	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	H-2 Drilling Co. Rig #1	

Comments **Legal Description Feet: 200' FSL & 2360' FWL**

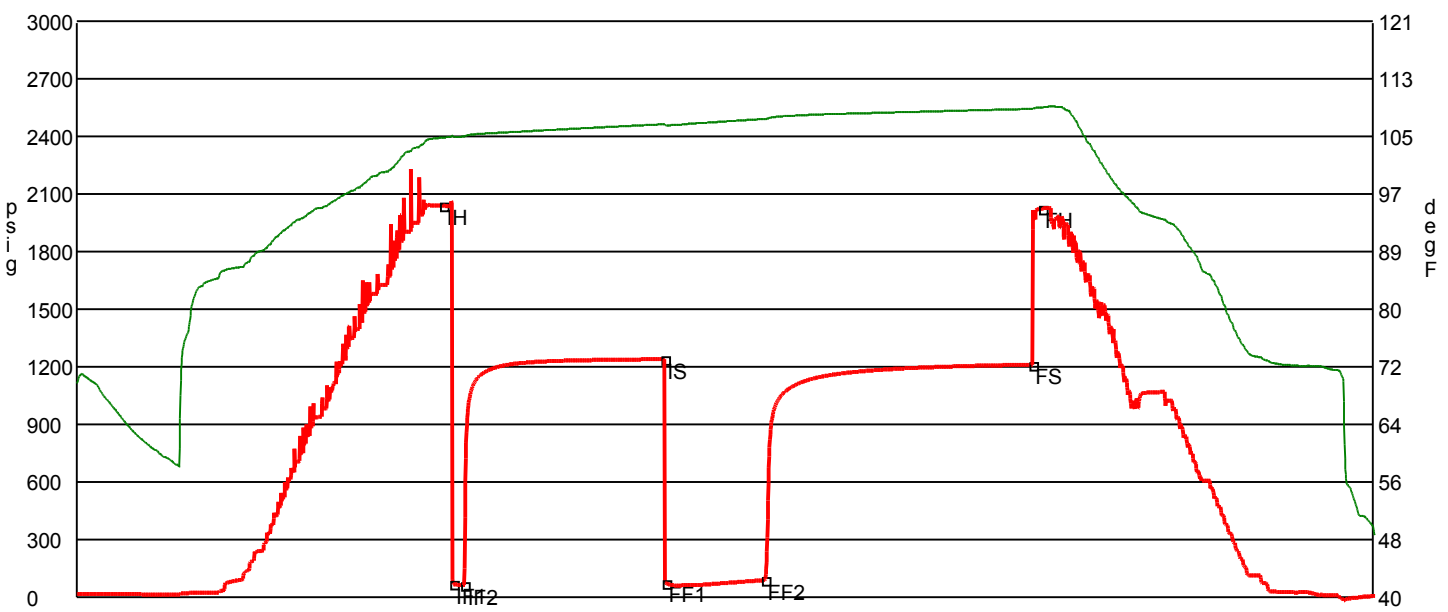
GENERAL INFORMATION

Test # 2	Test Date 1/8/2011	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 72	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.2	Viscosity 46.0	Time on Site 12:00 PM	
Filtrate 6.8	Chlorides 2100	Tool Picked Up 3:20 PM	
		Tool Layed Dwn 12:00 AM	
Drill Collar Len 0		Elevation 2799.00	Kelley Bushings 2809.00
Wght Pipe Len 0			
Formation Lansing "A"		Start Date/Time 1/7/2011 2:22 PM	
Interval Top 4191.0	Bottom 4250.0	End Date/Time 1/8/2011 12:04 AM	
Anchor Len Below 59.0	Between 0		
Total Depth 4250.0			
Blow Type Weak surface blow at the start of the initial flow period, building to 1 inch. No blow at the start of the final flow period until 5 minutes into it, where we got a weak surface blow that built to 5 inches. Times: 5, 90, 45, 120.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
10	Heavy water cut mud	0% 0ft	0% 0ft	35% 3.5ft	65% 6.5ft
60	Very slight water cut mud	0% 0ft	0% 0ft	6% 3.6ft	94% 56.4ft

DST Fluids **16000**



	Date	Time	Pressure	Temp	
IH	1/7/2011 5:05:40 PM	2.727778	2040.102	104.676	Initial Hydro-static
IF1	1/7/2011 5:10:00 PM	2.8	70.6	104.803	Initial Flow (1)
IF2	1/7/2011 5:15:10 PM	2.886111	64.545	104.837	Initial Flow (2)
IS	1/7/2011 6:45:10 PM	4.386111	1240.948	106.55	Initial Shut-In
FF1	1/7/2011 6:45:40 PM	4.394444	76.517	106.421	Final Flow (1)
FF2	1/7/2011 7:30:20 PM	5.138889	90.478	107.294	Final Flow (2)
FS	1/7/2011 9:30:40 PM	7.144444	1212.306	108.717	Final Shut-In
FH	1/7/2011 9:35:00 PM	7.216667	2026.003	108.921	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	Andee Fry	
Address	125 N. Market, Ste. 1252	Lease #	1-2	
CSZ	Wichita, KS 67202	Legal Desc	SE-SE-SE-SW	Job Ticket 2135
Attn.	Dave Williams	Section	2	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	H-2 Drilling Co. Rig #1	

Comments **Legal Description Feet: 200' FSL & 2360' FWL**

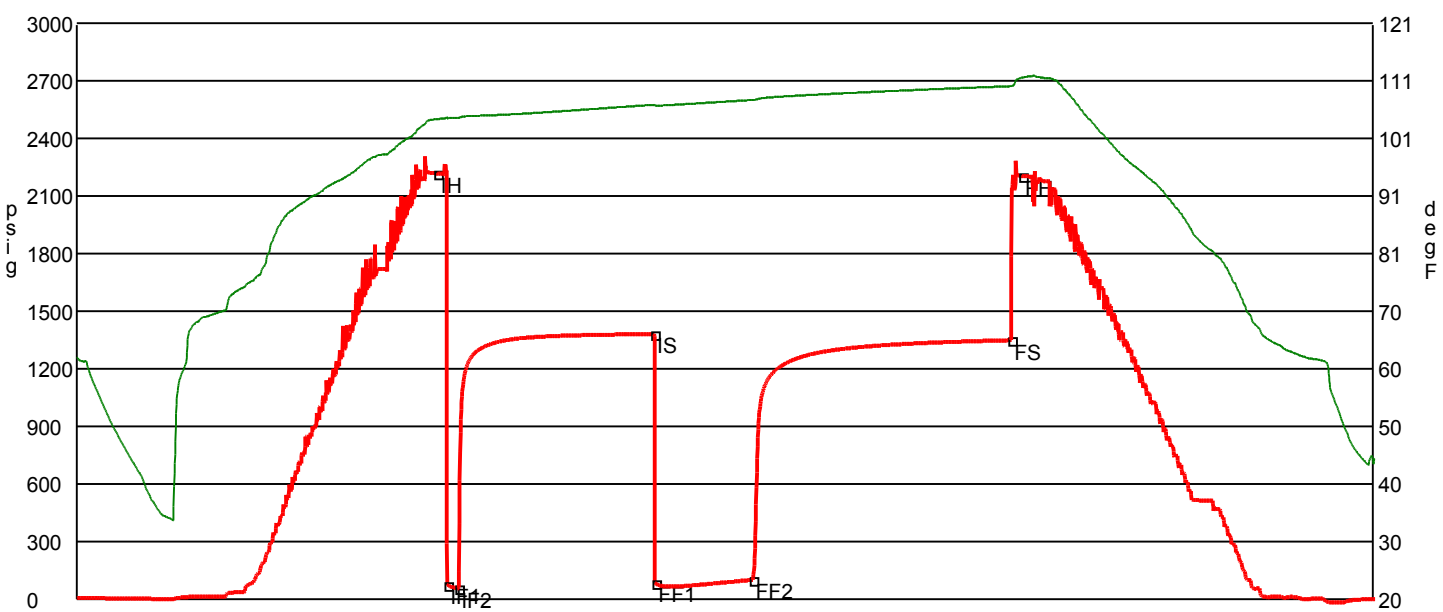
GENERAL INFORMATION

Test # 3	Test Date 1/9/2011	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 80	Approved By
		Standby Time 0	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.2	Viscosity 48.0	Time on Site 1:30 AM	
Filtrate 6.8	Chlorides 1600	Tool Picked Up 6:40 AM	
		Tool Layed Dwn 3:35 PM	
Drill Collar Len 0		Elevation 2799.00	Kelley Bushings 2809.00
Wght Pipe Len 0			
Formation Swope		Start Date/Time 1/9/2011 5:44 AM	
Interval Top 4535.0	Bottom 4607.0	End Date/Time 1/9/2011 3:40 PM	
Anchor Len Below 72.0	Between 0		
Total Depth 4607.0			
Blow Type Weak surface blow at the start of the initial flow period, building to 1 1/2 inc hes. Very weak surface blow at the start of the final flow period, building to 6 inches. Times: 5, 90, 45, 120.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
35	Water cut mud with a very slight trace of oil	0% 0ft	trace	27% 9.5ft	73% 25.6ft
80	Mud cut water	0% 0ft	0% 0ft	73% 58.4ft	27% 21.6ft
20	Mud	0% 0ft	0% 0ft	0% 0ft	100% 20ft

DST Fluids **46000**



	Date	Time	Pressure	Temp	
IH	1/9/2011 8:29:00 AM	2.75	2219.046	104.248	Initial Hydro-static
IF1	1/9/2011 8:33:30 AM	2.825	76.227	104.363	Initial Flow (1)
IF2	1/9/2011 8:38:40 AM	2.911111	59.017	104.49	Initial Flow (2)
IS	1/9/2011 10:08:50 AM	4.413889	1382.252	106.738	Initial Shut-In
FF1	1/9/2011 10:09:20 AM	4.422222	85.137	106.618	Final Flow (1)
FF2	1/9/2011 10:54:10 AM	5.169444	102.168	107.592	Final Flow (2)
FS	1/9/2011 12:53:20 PM	7.155556	1350.412	110.007	Final Shut-In
FH	1/9/2011 12:58:20 PM	7.238889	2204.02	111.508	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company	Falcon Exploration, Inc.	Lease Name	Andee Fry	
Address	125 N. Market, Ste. 1252	Lease #	1-2	
CSZ	Wichita, KS 67202	Legal Desc	SE-SE-SE-SW	Job Ticket 2135
Attn.	Dave Williams	Section	2	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	H-2 Drilling Co. Rig #1	

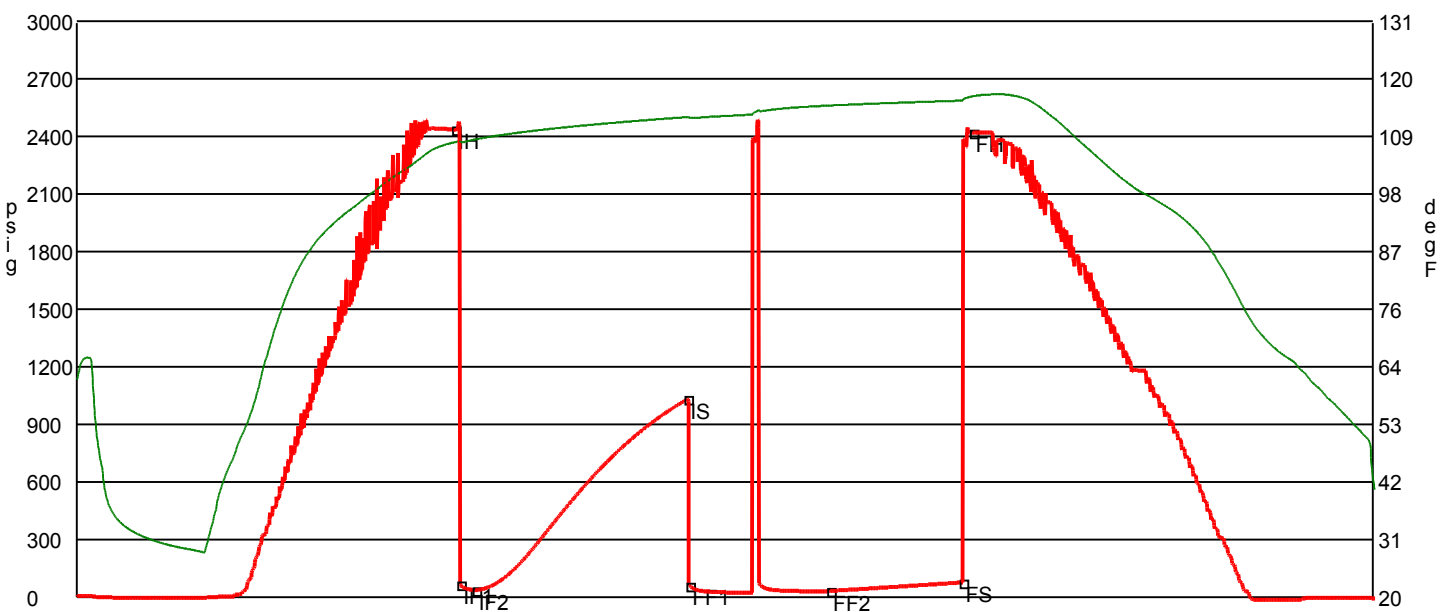
Comments **Legal Description Feet: 200' FSL & 2360' FWL**

GENERAL INFORMATION

Test # 4	Test Date 1/12/2011	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 80	Approved By
		Standby Time 10	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety joint	
Mud Weight 9.3	Viscosity 52.0	Time on Site 2:25 PM	
Filtrate 7.6	Chlorides 1900	Tool Picked Up 5:45 PM	
		Tool Layed Dwn 1:45 AM	
Drill Collar Len 0		Elevation 2799.00	Kelley Bushings 2809.00
Wght Pipe Len 0			
Formation Morrow		Start Date/Time 1/11/2011 4:54 PM	
Interval Top 5031.0	Bottom 5079.0	End Date/Time 1/12/2011 1:57 AM	
Anchor Len Below 48.0	Between 0		
Total Depth 5079.0			
Blow Type Weak surface blow throughout the initial flow period. Weak surface blow at the start of the final flow period, building to 1/2 inch in 20 minutes. We flushed the tool at 30 minutes and just got a 1/2 inch blow. Times: 5, 90, 60, 60.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
15	Mud with a slight trace of oil	0% 0ft	trace	0% 0ft	100% 15ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	1/11/2011 7:31:40 PM	2.627778	2437.12	107.754	Initial Hydro-static
IF1	1/11/2011 7:33:50 PM	2.663889	69.333	107.839	Initial Flow (1)
IF2	1/11/2011 7:40:10 PM	2.769444	37.776	108.276	Initial Flow (2)
IS	1/11/2011 9:09:20 PM	4.255556	1033.776	112.583	Initial Shut-In
FF1	1/11/2011 9:10:10 PM	4.269444	62.419	112.475	Final Flow (1)
FF2	1/11/2011 10:09:10 PM	5.252778	34.018	114.81	Final Flow (2)
FS	1/11/2011 11:04:50 PM	6.180556	78.631	115.757	Final Shut-In
FH	1/11/2011 11:09:10 PM	6.252778	2422.035	116.611	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

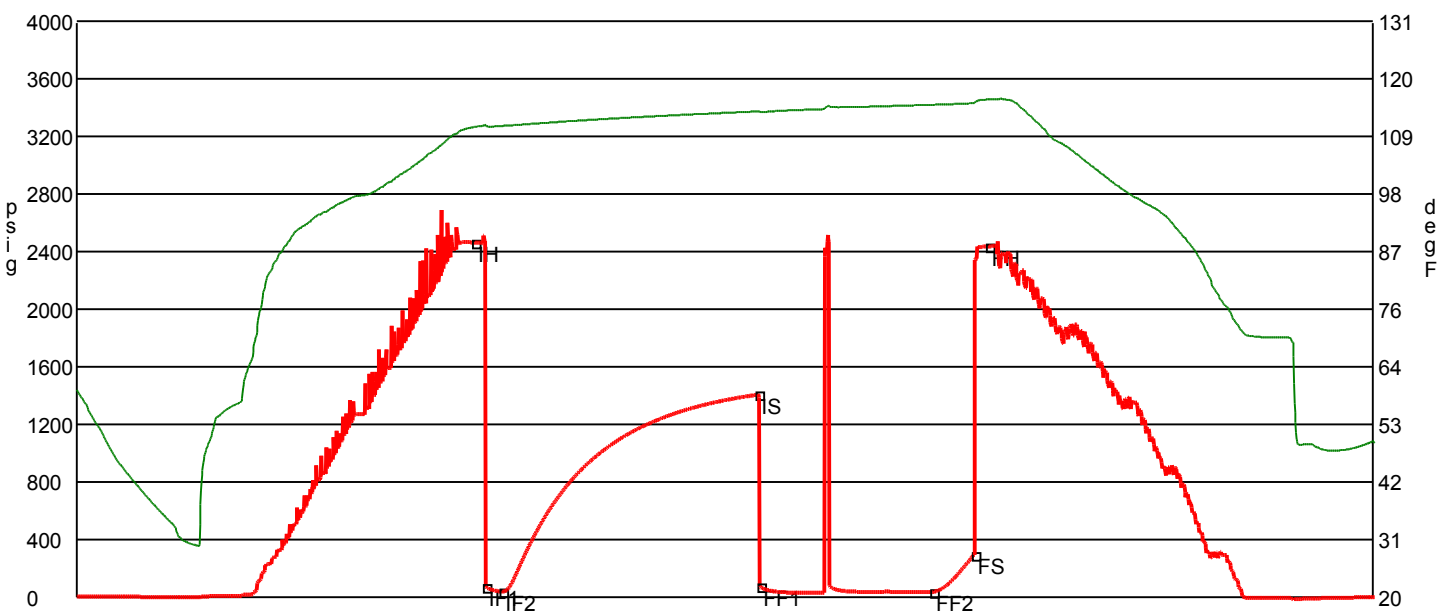
Company	Falcon Exploration, Inc.	Lease Name	Andee Fry	
Address	125 N. Market, Ste. 1252	Lease #	1-2	
CSZ	Wichita, KS 67202	Legal Desc	SE-SE-SE-SW	Job Ticket 2135
Attn.	Dave Williams	Section	2	Range 30W
		Township	28S	
		County	Gray	State KS
		Drilling Cont	H-2 Drilling Co. Rig #1	
Comments	Legal Description Feet: 200' FSL & 2360' FWL			

GENERAL INFORMATION

Test # 5	Test Date 1/13/2011	Chokes 3/4	Hole Size 7 7/8
Tester Tim Venters		Top Recorder # W1119	
Test Type Conventional Bottom Hole Successful Test		Mid Recorder # W1022	
# of Packers 2.0	Packer Size 6 3/4	Bott Recorder # 13310	
Mud Type Gel Chem		Mileage 80	Approved By
Mud Weight 9.1	Viscosity 55.0	Standby Time 0	
Filtrate 6.8	Chlorides 1300	Extra Equipmnt Jars & Safety joint	
Drill Collar Len 0		Time on Site 6:15 AM	
Wght Pipe Len 0		Tool Picked Up 7:50 AM	
		Tool Layed Dwn 2:30 PM	
Formation St. Louis		Elevation 2799.00	Kelley Bushings 2811.00
Interval Top 5137.0	Bottom 5300.0	Start Date/Time 1/13/2011 7:01 AM	
Anchor Len Below 163.0	Between 0	End Date/Time 1/13/2011 2:31 PM	
Total Depth 5300.0			
Blow Type Weak 1/4 inch blow at the start of the initial flow period, building to 1/2 inch . No blow until 6 minutes into the final flow period, where we got a very weak surface blow lasting about 10 minutes. We flushed the tool 23 minutes into the period and got a weak 1/4 inch blow. Times: 5, 90, 60, 15.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
35	Mud	0% 0ft	0% 0ft	0% 0ft	100% 35ft
DST Fluids	0				



	Date	Time	Pressure	Temp	
IH	1/13/2011 9:18:30 AM	2.291667	2465.317	110.691	Initial Hydro-static
IF1	1/13/2011 9:22:20 AM	2.355556	74.889	110.879	Initial Flow (1)
IF2	1/13/2011 9:28:10 AM	2.452778	40.078	110.885	Initial Flow (2)
IS	1/13/2011 10:57:20 AM	3.938889	1409.344	113.672	Initial Shut-In
FF1	1/13/2011 10:57:50 AM	3.947222	75.86	113.561	Final Flow (1)
FF2	1/13/2011 11:58:10 AM	4.952778	39.516	114.946	Final Flow (2)
FS	1/13/2011 12:12:30 PM	5.191667	297.073	115.253	Final Shut-In
FH	1/13/2011 12:17:30 PM	5.275	2439.091	115.972	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: ANDEE FRY #1 - 2 **A.P.I. #** 15-069-20335-00-00
Location: SE-SE-SE-SW - S. 2 -T. 28 S. - R. 30 W. , Gray, County
License Number: 5316 **Region:** KANSAS
Spud Date: 12/30/10 **Drilling Completed:** 1/14/11
Surface Coordinates: 200' FSL - 2360' FWL

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2799' **K.B. Elevation (ft):** 2811'
Logged Interval (ft): **To:** **Total Depth (ft):** 5450'
Formation:
Type of Drilling Fluid: CHEMICAL MUD

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: FALCON EXPLORATION, INC.
Address: 125 N. MARKET, STE. #1252
WICHITA, KANSAS 67202

GEOLOGIST

Name: DAVID P WILLIAMS
Company: DW ENERGY, LLC (DWE)
Address: 225 N. MARKET, STE. #230
WICHITA, KANSAS 67202

Casing Set

DSTs

DST #1 3444'-3516'; Times: 5"-90"-110"-1180"

Blow: IF Strg Blow- BOB/1"; FF BOB - GTS/1".

Recovery: 3295' GIP; 125' Mud;

Pressures:

IH 1618#; FH 1612#;

IF 84-74 #; FF 103-117 #;

ISIP 931 #; FSIP 914 #; Temp = 99 Degrees.

Gas Flow Rates on FF=

@ 10" = 129 Mcf;

@ 20" = 166 Mcf

@ 30" = 183 Mcf;

@ 40" = 193 Mcf;

@ 50' = 205 Mcf;

@ 60" = 213.5 Mcf;

@ 70" = 219 Mcf;

@ 80 " = 222 Mcf;

@ 90" = 226 Mcf;

@ 100" = 226 Mcf;

@ 110" = 228.5 Mcf.

Comments

ROCK TYPES

	Anhy		Congl		Mrlst		Ss		New symbol
	Bent		Dol		Salt		Till		Grn sh
	Brec		Gyp		Shale		Gry sh		Red sh
	Cht		Igne		Shcol		Blk carb sh		Blk line
	Clyst		Lmst		Shgy		Blk carb sh		
	Coal		Meta		Slstst		Green sh		

ACCESSORIES

MINERAL		FOSSIL	
	Anhy		Algae
	Arggrn		Amph
	Arg		Belm
	Bent		Bioclst
	Bit		Brach
	Brecfrag		Bryozoa
	Calc		Cephal
	Carb		Coral
	Chtdk		Crin
	Chtlt		Echin
	Dol		Fish
	Feldspar		Foram
	Ferrpel		Fossil
	Ferr		Gastro
	Glau		Oolite
	Gyp		Ostra
	Hvymin		Pelec
	Kaol		Pellet
	Marl		Pisolite
	Minxl		Plant
	Nodule		Strom
	Phos		
	Pyr		
	Salt		
	Sandy		
	Silt		
	Sil		
	Sulphur		
	Tuff		
			Slstgrg
			Ssstrg
			TEXTURE
			Boundst
			Chalky
			Cryxln
			Earthy
			Finexln
			Grainst
			Lithogr
			Microxln
			Mudst
			Packst
			Wackest
			STRINGER
			Anhy
			Arg
			Bent
			Coal
			Dol
			Gyp
			Ls
			Mrst

OTHER SYMBOLS

POROSITY
[E] Earthy
[B] Fenest
[F] Fracture
[X] Inter
[M] Moldic
[O] Organic
[P] Pinpoint

[V] Vuggy

SORTING
[N] Well
[M] Moderate
[P] Poor

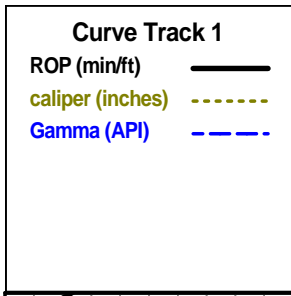
ROUNDING
[R] Rounded
[r] Subrnd
[a] Subang
[A] Angular

[Q] Spotted
[Q] Ques
[G] Gas show symbol 1
[D] gas show
[D] Dead

[X] Gas show symbol
[B] Dst
EVENT
[E] Rft
[S] Sidewall

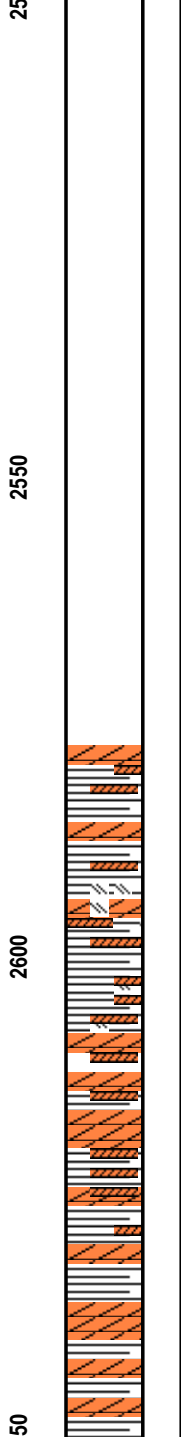
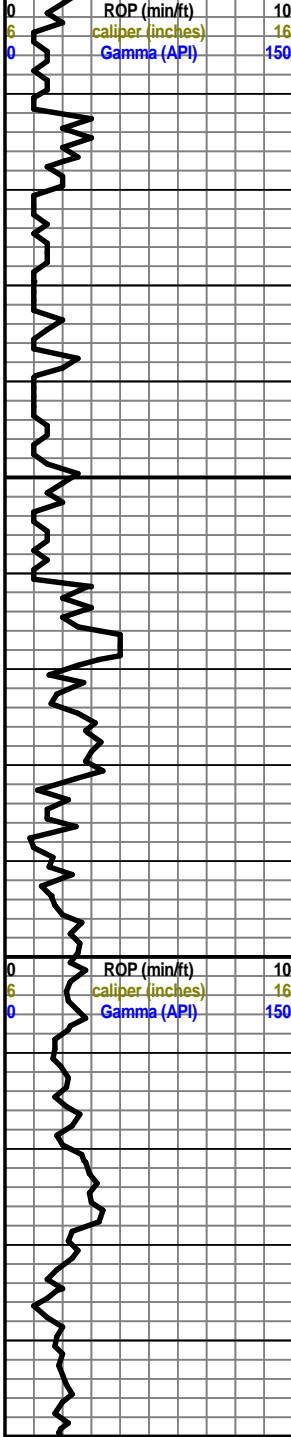
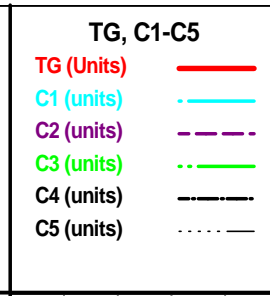
OIL SHOW
[D] Even

INTERVAL
[C] Core



Depth
25
2550
2600
3500

Geological Descriptions



FALCON EXPLORATION, INC.
ANDEE FRY #1-2
200' FSL & 2360' FWL
SE-SE-SE-SW
S. - RNG. 30 W.
KANSAS
SEC. 2 - TSP. 28
GRAY COUNTY,

A. P. I. # 15-069-20335-00-00

ELEVATION 2811' K.B.
ELEVATION 2799' G.L.

DAVID P. WILLIAMS, P.G. - GEOLOGIST

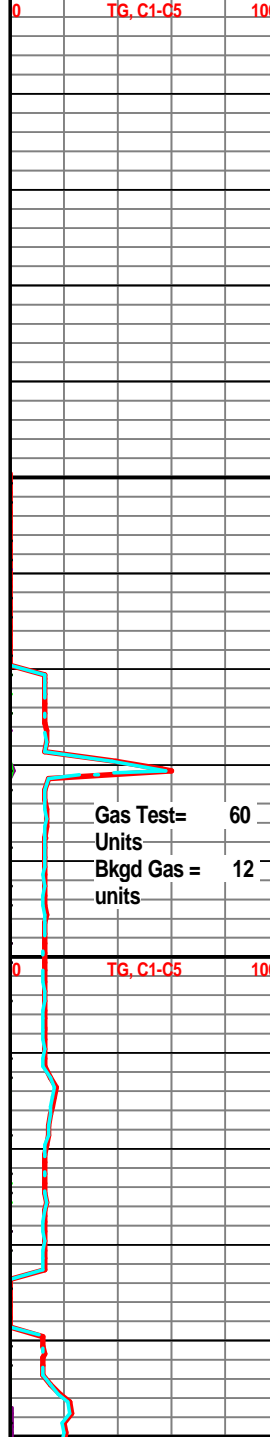
Geologist on location @ 11:30 AM on 1/03/11

DEVIATION SURVEYS TAKEN:
@ 1009' = 1 degree;
@ 1875' = 1 1/2 degree;
@ 2857' = 3/4 degree;
@ 3516' = 1 degree;
@ 4250' = 1 degree;
@ 4609' = 1 degree;
@ 5079' = 1 degree;

20' Samples Wet & Dry Start @ 2600' & All Samples Have Been Lagged to Depth By Time.

Anhy Wht-Clear-Gry Tr Ls Crm FxIn Dns w/Inclus (? OOM or Rhombic Calc Cube DNS Sh Grn-Gry Soft Tr. Red No Odor No Stn V.Faint Pale Grn Flor. NS

Anhy Wht-Clear-Gry Tr Ls Crm FxIn Dns Micrite Sh Grn-Gry Soft Tr. Red No Odor No Stn V.Faint Pale Grn Flor. NS



2700
2750
2800
2850

CHASE GROUP 2656' (+ 155')

Ls Crm-Wht Grad Sli Dolo Wht-Gry Fxln No Vis Por Dns Sh Gry Grn AA No Odor No Stn V. Sli. Flor

Dolo Wht-Gry Fxln tr Poor-Med Sucrosic Por w/Fair lxln PorTr. Leaching Por Sh Gry Grn AA No Odor Te Brn Stn V. Sli. Flor Lt Grn w/ Fair SG when Broken

30" CFS Dolo Wht-Gry Fxln tr Poor-Med Sucrosic Por w/Fair lxln PorTr. Leaching Por Sh Gry Grn AA No Odor Tr Brn Stn V. Sli. Flor Lt Grn w/ Fair SG w/ Broken

60" CFS Dolo Wht-Gry Fxln tr Poor-Med Sucrosic Por w/Fair lxln PorTr. Leaching Vug Por Sh Gry Grn AA No Odor Tr Brn Stn V. Sli. Flor Lt Grn w/ Fair SG w/ Broken

Dolo AA Sh Gry-Grn No Odor No Stn No Flor NS

WINFIELD 2720' (+91)

Dolo Wht-Crm Fxln Fair-Med Sucrosic Por w/ Sm-Med Vug Leaching w/ Fair-Good Show Gas Faint Scatt Flor (Pale-Lt Grn) tr ? Gillsonitic Residue No Odor ? Stn

Dolo Wht-Crm Fxln Fair-Med Sucrosic Por w/ Sm-Med Vug Leaching w/ Fair Fos Plant -Good Show Gas Faint Scatt Flor (Pale-Lt Grn) tr ? Gillsonitic Residue No Odor ? Stn Lt Grn Flor HC Cut w/Acid

30" CFS Dolo Wht-Crm Fxln Fair-Med Sucrosic Por w/ Sm-Med Vug Leaching w/ Fair-Dec Show Gas Faint Scatt Flor (Pale-Lt Grn) Tr ? Gillsonitic Fos Plant Residue No Odor ? Stn Lt Grn Scatt Dec Flor

60" CFS Dolo Wht-Crm Fxln Poor-Fair Sucrosic Por w/ Tr. Sm-Med Vug Leaching w/ Dec-NS Gas Dec Faint Scatt Flor (Pale-Lt Grn) Tr ? Dec Gillsonitic Fos Plant Residue No Odor ? V Sli Stn (Lt Gr) Inc Barron Fxln NS

TOWANDA 2764' (+ 47)

Dolo Wht-Crm Fxln Poor-Fair Sucrosic Por w/ Tr. Sm Vug Leaching AA w/ Dec-NS Gas Dec Faint Scatt Flor (Pale-Lt Grn) Tr ? Dec Gillsonitic Fos Plant Residue No Odor ? Mostly Barron Fxln Sh Abd Red-Tr. Gry Soft Fissil NS

Dolo Wht-Crm-Gry Fxln Poor-Fair Sucrosic Por Grad Dns FXLN w/ Tr. Sm Vug Leaching AA w/ Dec-NS Gas Dec Faint Scatt Flor (Pale-Lt Grn) Tr ? Dec Gillsonitic Fos Plant Residue No Odor ? Mostly Barron Fxln Cht Wht Op Shp Vit Sh Abd Red-Tr. Gry Soft Fissil NS

Dolo Wht- Crm- Gry Fxln Poor-Fair Sucrosic Por Grad Dns FXLN w/ Tr. Sm Vug Leaching AA w/ Dec-NS Gas Dec Faint Scatt Flor (Pale-Lt Grn) Tr ? Dec Gillsonitic Fos Plant Residue No Odor ? Mostly Barron Fxln Cht Wht Op Shp Vit Sh Abd Red-Tr. Gry Soft Fissil NS

FORT RILEY 2810' (+ 1')

Dolo Wht- Crm- Gry Dec Fxln Poor-Fair Sucrosic Por Grad Dns FXLN AA w/ Dec-NS Gas Dec Faint Flor (Pale-Lt Grn) No Odor Barron Fxln Sh Abd Red-Tr. Gry Soft Fissil No Odor No Stn No Flor NS

Dolo Wht- Crm- Gry Fxln Poor-Fair Sucrosic Por Grad Dns FXLN Micrite AA Fos Crin w/ Dec-NS Gas Dec Faint Flor (Pale-Lt Grn) Few Pcs No Odor Barron Fxln Sh Abd Red-Tr. Gry Soft Fissil No Odor No Stn No Flor NS

Dolo Wht- Crm- Gry Fxln Poor-Fair Sucrosic Por Grad Dns FXLN Micrite AA Fos Crin w/ Dec-NS Gas Dec Faint Flor (Pale-Lt Grn) Few Pcs No Odor Barron Fxln Sh Abd Red-Tr. Gry Soft Fissil No Odor No Stn No Flor NS

0	ROP (min/ft)	10
6	caliper (inches)	16
0	Gamma (API)	150

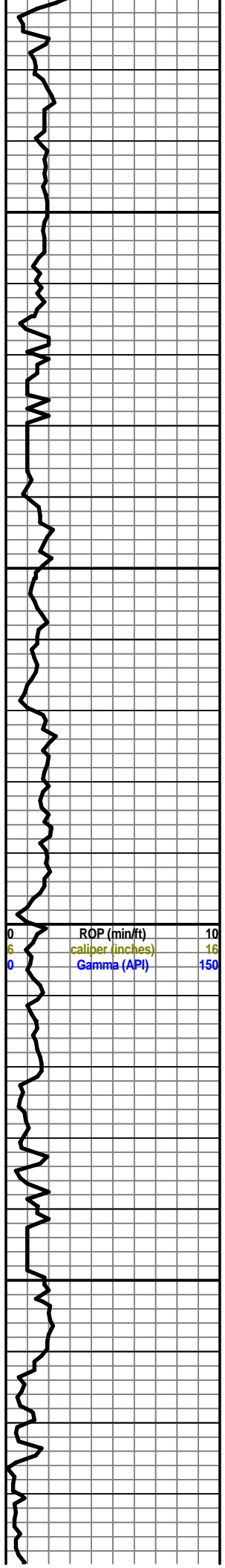
Gas Kick = 25 Units
Bkgd Gas= 12.5 Units

CONN LOST DATA

Gas Kick = 41 Units
Bkgd Gas= 11.8 Units

TG, C1-C5 100

Gas Kick = 15 Units
Bkgd Gas= 8.5 Units



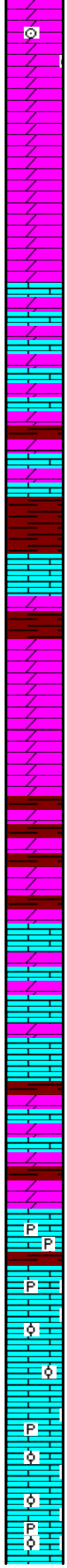
2900

2950

3000

3050

0	ROP (min/ft)	10
6	caliper (inches)	16
0	Gamma (API)	150



Dolo Wht- Crm- Gry FxIn Poor-Fair Sucrosic Por Grad Dns FXLN Micrite AA w/ Pyr Inlus Fos Crin w/ Dec-NS Gas Dec Faint Flor (Pale-Lt Grn) Few Pcs No Odor Barron FxIn Sh Abd Red-Tr. Gry Soft Fissil No Odor No Stn No Flor NS

Dolo Wht- Crm- Gry FxIn Poor-Fair Sucrosic Por Grad Dns FXLN Micrite AA w/ Pyr Inlus Fos Crin w/ Dec-NS Gas Dec Faint Flor (Pale-Lt Grn) Few Pcs No Odor Barron FxIn Sh Abd Red-Tr. Gry Soft Fissil No Odor No Stn No Flor NS

Dolo Wht-Crm Grad Ls Crm- Abd Gry FxIn Micrite to Poor Sucrosic Por AA Sh Abd Red-gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Dolo Wht-Crm Grad Ls Crm- Abd Gry FxIn Micrite to Poor Sucrosic Por AA Sh Abd Red-Gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Dolo Abd Gry FxIn V Poor Sucrosic Por AA Ls Crm FxIn Micrite Sh V Abd Red-Gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Dolo Abd Gry FxIn V Poor Sucrosic Por AA Ls Crm FxIn Micrite Sh V Abd Red-Gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Dolo Abd Gry FxIn V Poor Sucrosic Por AA Ls Crm FxIn Micrite Sh V Abd Red-Gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

WREFORD 3000' (-489)

Dolo Abd Gry FxIn V Poor Sucrosic Por AA Ls Crm FxIn Micrite Sh V Abd Red-Gry Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

BASE CHASE GROUP 3022' (-211)

Ls Crm FxIn Micrite Dolo Abd Gry FxIn V Poor Sucrosic Por AASh V Abd Red-Gry Inc Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Ls Wht-Crm FxIn Micrite w/Pry Inlus Sh Dec Red-Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

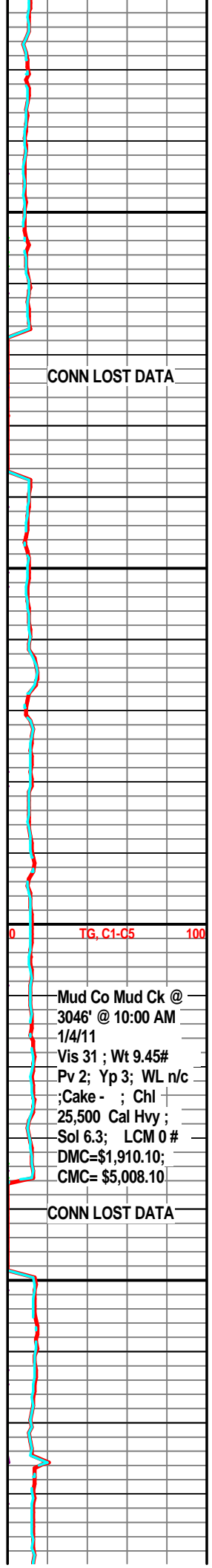
BADER 3049' (-238)

Ls Wht FxIn Micrite w/Pry Inlus Grad Abd Med OOM Por Fair Dis Fair Devel Barren Sh Dec Red-Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

COTTONWOOD 3064' (- 253)

Ls Wht FxIn Micrite w/Pry Inlus Grad Abd Med OOM Por Fair Dis Fair Devel Barren Sh Dec Red-Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Ls Wht FxIn Micrite w/Pry Inlus Grad Abd Med OOM Por Fair Dis Fair Devel Barren Sh Dec Red-Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

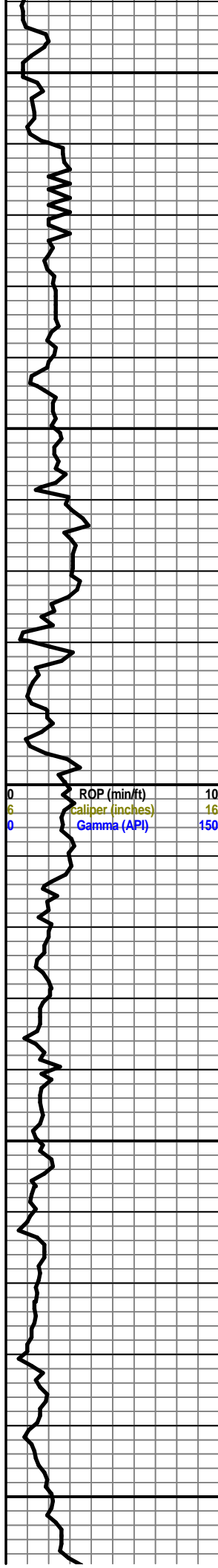


CONN LOST DATA

TG, C1-C5 100

Mud Co Mud Ck @
3046' @ 10:00 AM
1/4/11
Vis 31 ; Wt 9.45#
Pv 2; Yp 3; WL n/c
; Cake - ; Chl
25,500 Cal Hvy ;
Sol 6.3; LCM 0 #
DMC=\$1,910.10;
CMC= \$5,008.10

CONN LOST DATA



3100
3150
3200
3250
3300



Ls Wht FxIn Micrite w/Pry Includ Grad Abd Med OOM Por Fair Dis Fair Devel
Barren Sh Dec Red-Gry Fissil - Soft No Odor Tr Scatt Flor (Lt Grn) ? Min Flor NS

Ls Wht FxIn Tr Poor Gran IxIn Por Micrite Dns Abd Min Flor Sh Abd Red-Gry- Grn
Fissil No Odor No Stn NS

Ls Wht FxIn Tr Poor Gran IxIn Por Micrite Dns Abd Min Flor Sh Abd Red-Gry- Grn
Fissil No Odor No Stn NS

NEVA 3140' (- 329)

@ 3150' Samples Start 10' Interval Wet & Dry

Ls Wht FxIn Tr Poor Gran IxIn Por Micrite Dns Abd Min Flor Cht Crm Op Shp Vit
Sh Abd Red-Gry- Grn Fissil No Odor No Stn NS

Ls Wht FxIn Tr Poor Gran IxIn Por Micrite Dns Abd Min Flor Sh Abd Red-Gry- Grn
Fissil No Odor No Stn NS

Ls Wht FxIn Tr Poor Gran IxIn Por Micrite Dns Fos Crin Abd Min Flor Sh Abd
Red-Gry- Grn Fissil No Odor No Stn NS

RED EAGLE 3174' (- 363')

Ls Wht FxIn Tr Poor-Igran IxIn Por Fos Crin Abd Min Flor ? SG Sh Abd Red-Gry-
Grn Fissil No Odor No Stn NS

Ls Wht FxIn Tr Poor-Igran IxIn Por Fos Crin Abd Min Flor ? SG Sh Abd Red-Gry-
Grn Fissil No Odor No Stn NS

BASE COUNCIL GROVE 3196' (-385)

DISPLACE MUD SYSTEM @ 3200'

Ls Wht FxIn Tr Poor-Igran IxIn Por AA Abd Min Flor Sh V Abd Red-Gry- Grn Fissil
No Odor No Stn NS

Ls Wht FxIn Tr Poor-Igran IxIn Por AA Abd Min Flor Sh V Abd Red-Gry- Grn Fissil
No Odor No Stn NS

Ls Wht FxIn Tr Poor-Igran IxIn Por AA Tr Min Flor Sh V Abd Red-Gry- Grn Fissil
No Odor No Stn NS

Ls Wht FxIn Tr Poor-Igran IxIn Por AA Tr Min Flor Sh V Abd Red-Gry- Grn Fissil
No Odor No Stn NS

FORAKER 3250' (- 439)

Ls Crm FxIn Poor-Fair IxIn Por Fos Spic Tr Igran Poor Por No Flor No Odor No Stn
Sh Red-Brn Dec NS

Ls Crm FxIn Poor-Fair IxIn Por Fos Spic Tr Igran Poor Por No Flor No Odor No Stn
Sh Red-Brn Dec NS

Ls Crm FxIn Poor-Fair IxIn Por Fos Spic Tr Igran Poor Por Tr Chalk No Flor No
Odor No Stn Sh Red-Brn Dec NS

Ls Crm-Gry-Wht FxIn Poor-Fair IxIn Por Tr OOL Por w/OOL in pl Poor Poor Dis
Poor Devel Por Tr Inc Chalk No Flor No Odor No Stn Sh Dec Red-Brn Dec NS

Ls Crm-Gry-Wht FxIn Poor-Fair IxIn Por Tr OOL Por w/OOL in pl Poor Poor Dis
Poor Devel Por Tr Inc Chalk No Flor No Odor No Stn Sh Red-Brn Dec NS

Ls Crm-Gry FxIn Poor-Fair IxIn Por TrDc OOL Por w/OOL in pl Poor Poor Dis

CONN LOST DATA

Gas Kick =
15 Units
Bkgd Gas =
9 Units

TG, C1-C5 100

CONN LOST DATA

Poor Devel For Mostly LS Gry Tr Inc Chalk Sh Gry Dec Red Soft No Flor No Odor No Stn Sh Red-Brn Dec NS

ADMIRE GROUP 3326' (-515)

Ls Crm-Gry Fxln Por Poor Ixln Por Fos Fussil Chalk SH Gry- Char Soft No Odor No Flor AA No Stn NS

Ls Crm-Gry Fxln Por Poor Ixln Por Fos Fussil Chalk SH Gry- Char Soft No Odor No Flor AA No Stn NS

Ls Crm AA Tr Poor OOM Por w/OOI in pl Poor- No Dis Poor Devel Mostly Fxln Chalk Cht GrySH Gry- Char Soft No Odor Sli Tr Min Flor AA No Stn NS

Ls Crm AA Poor-Fair OOM Por Poor Dis Poor Devel Mostly Fxln Chalk SH Gry- Char- Soft No Odor Sli Tr Min Flor AA No Stn NS

Ls Crm AA Tr Poor OOM Por Poor Dis Poor Devel Mostly Fxln Chalk SH Gry- Char Soft No Odor Sli Tr Min Flor AA No Stn NS

Ls Crm-Gry AA Tr Dec Poor OOM Por Poor Dis Poor Devel Chalk SH Gry- Char Soft No Odor Sli Tr Min Flor AA No Stn NS

Ls Crm AA Tr Dec Poor OOM Por Poor Dis Poor Devel Chalk SH Gry- Char Soft No Odor Sli Tr Min Flor AA No Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Ls Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Ls Fussil Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

ROOT SHALE 3451' (-640')

Sh Red- Gry-Char Abd Soft AA (Wash Red) Ls Crm AA Tr Poor OOM Por Poor Dis Poor Devel Chalk No Odor Sli Tr Min Flor AA No Stn NS

Sh Gry-Char Abd Soft AA Ls Crm AA Tr Poor OOM Por Poor Dis Poor Devel Chalk No Odor Sli Tr Min Flor AA No Stn NS

Sh Gry-Char Abd Soft AA Ls Crm AA Tr Poor OOM Por Poor Dis Poor Devel Chalk No Odor Sli Tr Min Flor AA No Stn NS

STOTLER 3480' (- 669)

Ls Crm Fxln Poor Ixln Por Micritic Fos Pelecy Ls Crm Fxln Poor Ixln Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

Ls Crm Fxln Poor Ixln Por Micritic Fos Fussil Tr Ls Gry w/OOL in pl Poor Dis Poor Dev Poor IOOL Por Chalk Tr Inc Scatt ? Min Flor Sh Tr Red-Char-Gry No Odor No HC Stn NS

45" CFS Ls Wht Fxln w/ Tr Scat Vug Leaching Poor-Fair Ixln Por "Tite" ? Frac Por Fos Crin Good Scatt Flor (Lt Grn) No Odor Sli SG (Few Gas Bubles in Tray) (No Gas Flor) Sli SG

60" CFS Ls Wht Fxln w/ Tr Scat Vug Leaching Fair Ixln Por "Tite" ? Frac Por Fos Crin Good Scatt Flor (Lt Grn) No Odor Sli SG (Few Gas Bubles in Tray) (No Gas Flor) Sli Inc SG

Mostly Trip Debris Grad Ls Wht-Gry Fxln Poor Ixln Por Micritic Abd Chalk Scatt Stn Flor (Lt Grn) No Odor Sli Stn Flor AA NS

3350

3400

3450

3500

DST #1 3444'-3516'
Times: 5"-90"-110"-1180"
Blow: _____
IF Strg Blow- BOB/1"
FF BOB - GTS/1"

Recovery: 3295' GIP; 125'
Mud;

Pressures:
IH 1618#; FH 1612#;
IF 84-74 #; FF _____
103-117 #; ISIP 931 #; _____
FSIP 914 #; _____
Temp = 99 Degrees

ROP (min/ft)	10
caliper (inches)	16
Gamma (API)	150

Gas Flow Rates on FF=

- @ 10" = 129 Mcf;
- @ 20" = 166 Mcf;
- @ 30" = 183 Mcf;
- @ 40" = 193 Mcf;
- @ 50" = 205 Mcf;
- @ 60" = 213.5 Mcf;
- @ 70" = 219 Mcf;
- @ 80" = 222 Mcf;
- @ 90" = 226 Mcf;
- @ 100" = 226 Mcf;
- @ 110" = 228.5 Mcf.

DST # 1

3444'

TO

3516'

CFS @ 3516'
45" - 60"

GAS TEST @
3426' IN
GEOTRAILER

Mud Co Mud Ck @
3516' @
10:00 AM 1/5/11
Vis 45 ;
Wt 8.95# Pv 13;
Yp 13; WL 8.0;
Cake 1;
Chl 2,100;
Cal 20;
Sol 4.3;
LCM 2 #
DMC= \$ 2,597.15
CMC=\$ 7,605.25

@ 3516' Pipe Strap
= .12' Long to
Board

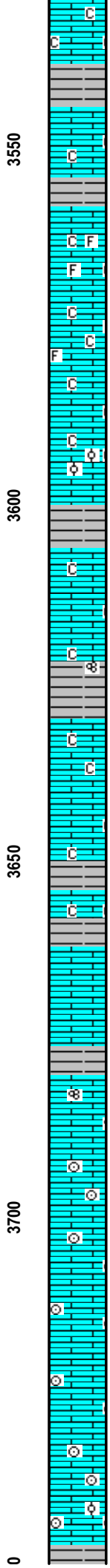
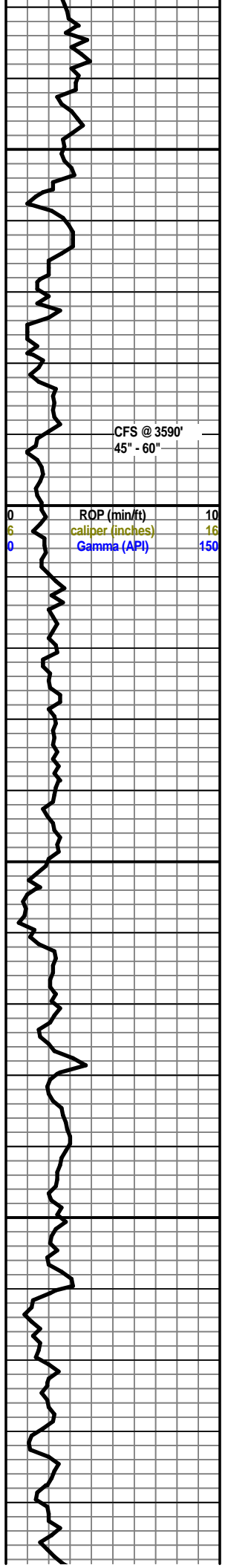
Depth Corr
@ 3494' in
Geotrailer

Gas Kick =
41 Units
Bkgd Gas=
9 Units

Gas Kick =
24 Units
Bkgd Gas=
9 Units

Trip Gas

TG, C1-C5 100



Ls Wht-Gry FxIn Poor IxIn Por Micritic Abd Chalk Scatt Stn Flor (Lt Grn) No Odor Sli Stn Flor AA NS

Ls Wht-Gry FxIn Poor IxIn Por Micritic Abd Chalk Scatt Stn Flor (Lt Grn) No Odor Sli Stn Flor AA NS

TARKIO 3558' (-747)

Ls Wht-Gry FxIn Poor IxIn Por Micritic Grad FxIn-MicroIn Por w/Fos Spiculitic Crin Tr Chalk Dec Cht Wht-Gry Op Shp Vit Tr Scatt Stn Flor (Lt Grn) No Odor Sli Stn Flor AA NS

45" CFS Ls Wht-Gry FxIn Poor IxIn Por Micritic Grad FxIn-MicroIn Por w/Fos Spiculitic Crin Tr Chalk Dec Cht Wht-Gry Op Shp Vit Tr Scatt Stn Flor (Lt Grn) ? Faint Odor Sli Stn Flor AA NS

60" CFS Ls Wht-Gry FxIn Poor IxIn Por Inc FxIn Por Grad FxIn-MicroIn Por Tr Chalk Cht Gry Op Shp Vit No Flor No Odor Sh No Stn Char-Gry Fissil NS

Ls Crm FxIn Dns Micritic w/Tr Poor OOM Por w/OOL in pl Poor- No Dis Poor Devel Abd Chalk SH Gry- Char Soft No Odor No Flor No Stn NS

Sh Char-Gry Soft Grad Fissil V Abd Chalk Ls Crm FxIn AA Dns Micritic No Odor No Flor No Stn NS

Ls Crm-Gry FxIn Poor IxIn Por Inc FxIn Por Grad FxIn-MicroIn Por Tr Chalk No Flor No Odor Sh Char-Gry Fissil No Stn NS

Ls Crm-Gry FxIn AA Poor IxIn Por Inc FxIn Por Grad FxIn-MicroIn Por Tr Inc Chalk Fos Fussil Sh Char-Gry Fissil No Flor No Odor No Stn NS

Ls Crm-Gry FxIn AA Poor IxIn Por Inc FxIn Por Grad FxIn-MicroIn Por Tr Chalk Cht Gry Op Shp Vit Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht Crm FxIn Poor IxIn Por MicroIn Por Micritic Tr Inc Chalk Sh Char-Gry Fissil No Odor No Stn Faint ? Min Flor NS

BERN 3654' (- 843)

Sh Char-Gry Soft V Abd Chalk Ls Gry FxIn Dns Micritic No Odor No Flor No Stn NS

Ls Gry FxIn Abd Poor IxIn Por MicroIn Por Micritic Chalk AA Sh Char-Gry Abd Soft Fos Fussil No Odor No Stn No Flor NS

Ls Gry FxIn AA Abd Poor Grad Fair IxIn Por Fair OOM Por w OOL in pl Poor Dis Poor Devel Chalk AA Sh Char-Gry Abd Soft Fos Fussil No Odor No Stn No Flor NS

Ls Wht FxIn V Soft Poor IxIn Por Sh Char w/Fos Fussil Inclu Ls Micritic Grad FxIn-MicroIn Por Tr ? Min Flor (Dull Grn-Wht) No Odor NS

Ls Wht FxIn Poor IxIn Por Dns Micritic w/Fos Crin Micritic AA Sh Char-Gry Tr ? Min Flor (Dull Grn-Wht) No Odor NS

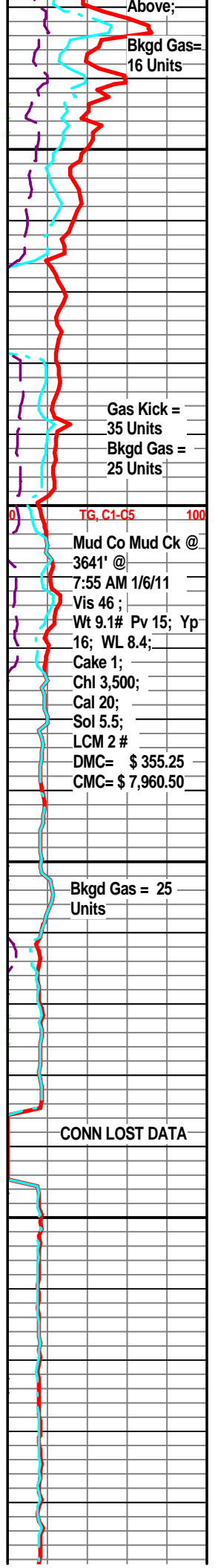
Ls Wht FxIn Poor IxIn Por Dns Micritic w/Fos Crin Micritic AA Sh Char-Gry Tr ? Min Flor (Dull Grn-Wht) No Odor NS

Ls Wht-Crm FxIn Poor IxIn Por Dns Micritic w/Fos Crin Micritic AA Sh Char-Gry Tr ? Min Flor (Dull Grn-Wht) No Odor NS

Ls Crm-Wht FxIn Poor IxIn Por Dns Micritic w/Fos Crin Micritic Sh Char-Gry Tr ? Min Flor (Dull Grn-Wht) No Odor NS

Ls Crm-Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Crin Grad Fair OOM Por w/OOL in Pl Poor Dis Poor Develop Sh Char-Gry Tr ? Min Flor (Dull Grn-Wht) No Odor NS

TOPEKA 3750' (- 939)



3750

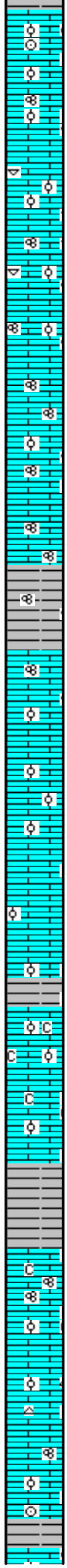
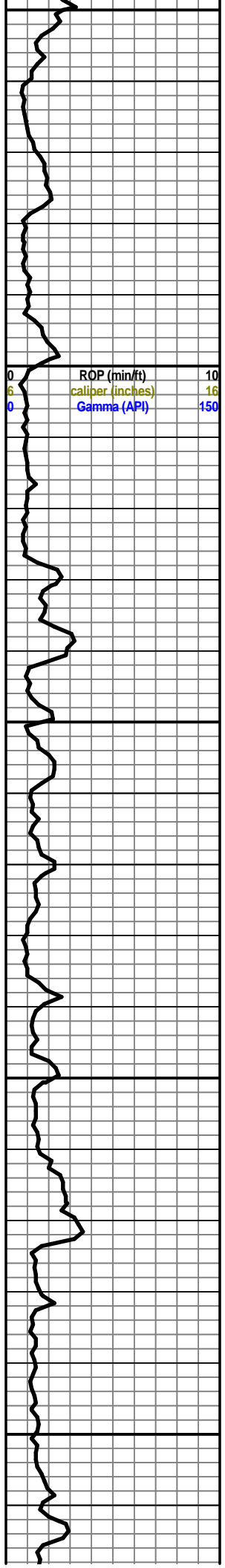
3800

3850

3900

3950

ROP (min/ft)	10
caliper (inches)	16
Gamma (API)	150



Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Crin Grad Tr Fair OOM Por w/ OOL in PI Poor Dis Poor Develop Sh Char-Gry Dec ? Min Flor (Dull Grn-Wht) No Odor NS

Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Grad Tr Fair OOM Por w/ OOL in PI Poor Dis Poor Develop Cht Gry Op Shp Vit Sh Char-Gry No Flor No Odor NS

Ls Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Pelecgy Grad Fair OOM Por w/ OOL in PI Poor Dis Poor Develop Cht Gry Op Shp Vit Sh Char-Gry No Stn No Flor No Odor NS

Ls Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Pelecgy Grad Fair OOM Por w/ OOL in PI Poor Dis Poor Develop Chalk V Abd Cht Gry Op Shp Vit Sh Char-Gry No Stn No Flor No Odor NS

Ls Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Grad Fair OOM Por w/ OOL in PI Poor Dis Poor Develop Chalk V Abd Tr Cht Gry Op Shp Vit Sh Char-Gry No Stn No Flor No Odor NS

Ls Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Grad Chalk V Abd Tr Cht Wht Op Shp Vit Sh Char-Gry No Stn No Flor No Odor NS

Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Grad Tr Fair OOM Por w/ OOL in PI Poor Dis Poor Develop AA Chalk V Abd Tr Cht Wht Op Shp Vit Sh Char-Gry No Flor No Odor NS

Ls Crm-Wht FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Chalk Dec Tr Cht Wht Op Shp Vit Sh Char-Gry Tr V Sli Scat ? Min Flor No Odor NS

Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Tr Poor OOM Por V Small OOL w/ Poor Dis Poor Devel Chalk Dec Tr Cht Wht Op Shp Vit Sh Char-Gry Tr V Sli Scat ? Min Flor No Odor NS

Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Por Dns Micritic w/Fos Fossil Tr Poor OOM Por V Small OOL w/ Poor Dis Poor Devel Chalk Dec Tr Cht Wht Op Shp Vit Sh Char-Gry Tr V Sli Scat Inc ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Crm-Wht-Gry FxIn Poor-Fair IxIn Gran Por w/Tr Poor OOM Por V Small OOL w/ Poor Dis Poor Devel Chalk Dec Tr Cht Wht Op Shp Vit Sh Char-Gry -Blk (? Carb) Tr V Sli Scat Inc ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht FxIn Poor-Fair IxIn Gran Por w/Tr Poor-Fair OOM Por w/Poor-Fair Dis Poor Devel Chalk Dec Sh Char-Gry Tr Inc Scat Inc ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht FxIn Poor-Fair IxIn Gran Por w/Tr Poor-Fair OOM Por w/Poor-Fair Dis Poor Devel Chalk Dec Sh Char-Gry-Grn Scat Inc ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht FxIn Poor-Fair IxIn Gran Por w/Tr Poor-Fair OOM Por w/Poor-Fair Dis Poor Devel Tr Dec Chalk Sh Red-Grn Scat Inc ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Tr Chalk Dec Sh Red-Grn-Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Tr Chalk Sh Red-Grn-Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

LECOMPTON 3923 (- 1112)

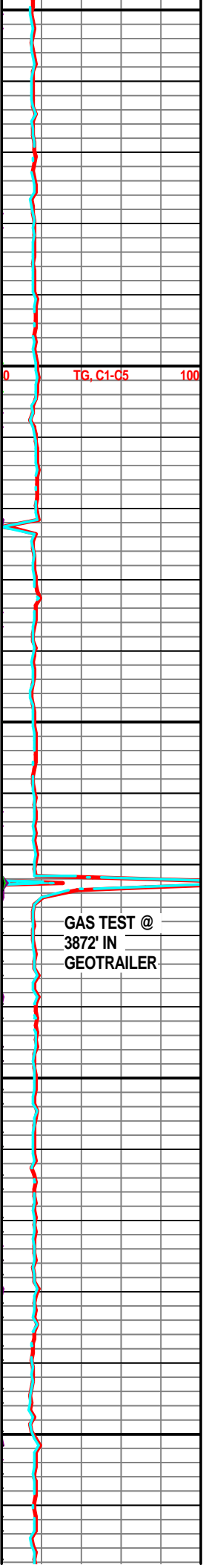
Ls Wht-Gry FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Fossil Spiculitic Tr Chalk Sh Grn-Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Fossil Spiculitic Tr Chalk Sh Grn-Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Cht Wht Op Shp Vit w/ Fos Foram Includ Sh Char-Gry Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

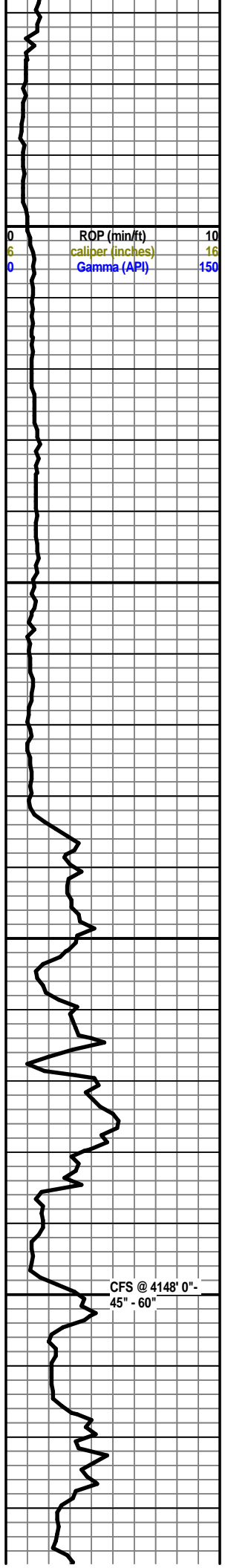
Ls Wht-Gry FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Fossil Spiculitic Tr Chalk Sh Grn-Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Crin Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS



TG, C1-C5

GAS TEST @ 3872' IN GEOTRAILER



4000

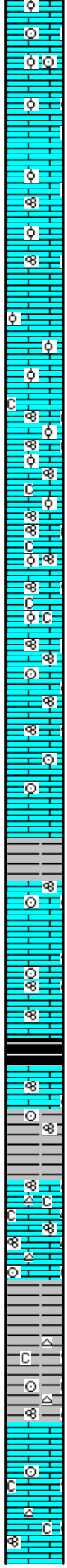
4050

4100

4150

ROP (min/ft) 10
caliper (inches) 16
Gamma (API) 150

CFS @ 4148' 0" - 45" - 60"



Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Crin Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Crin Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Gry AA FxIn Fair-Med IxIn Gran Por w/Inc Fair-Med OOM Por w/Poor-Fair Dis Poor Devel Fos Foram Tr Chalk Sh Char Fissil Scat ? Min Flor (Dull Wht-Grn) No Odor NS

Ls Wht-Crm-Gry FxIn Tr Gran IxIn Por Fos Crin Foram Chalk Sh Char AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

Ls Wht-Crm-Gry FxIn Tr Gran IxIn Por Fos Crin Foram Chalk Sh Char AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

Ls Wht-Crm-Gry FxIn Tr Gran IxIn Por Fos Crin Foram Chalk Sh Char AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

Ls Crm FxIn Tr Poor-Fair Gran IxIn Por Chalk Sh Char Fissil (V Few Pcs) No Odor Sli ? Min Flor (Dull Wht-Grn) NS

Sh Char Fissil Ls Wht-Crm-Gry FxIn Tr Gran IxIn Por Fos Crin Foram Chalk Sh Char AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

Ls Wht-Crm-Gry FxIn Tr Gran IxIn Por Fos Crin Foram Chalk Sh Char AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

HEEBNER 4116' (-1305)

Sh Blk Carb Fissil V Abd Ls AA Wht FxIn Barren V fxIn Por Grad Micritic No Odor No Stn No Flor NS

Ls Wht-Crm-Gry FxIn Dns Micritic Fos Cry Foram Sh Blk AA Dec Fissil No Odor Sli ? Min Flor (Dull Wht-Grn) NS

TORONTO 4144' (-1333')

0" CFS Ls Wht-Crm-Gry FxIn Micritic Fos Crin Cht Wht Op Shp Vit Sli ? Min Flor (Dull Wht-Grn) No Odor NS

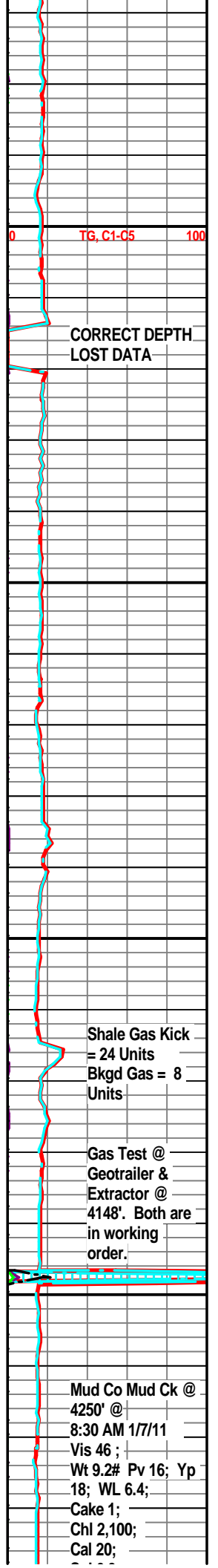
45" CFS Ls Wht FxIn Poor-Fair Igran Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Blk Fissil AA NS

60" CFS Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Blk Fissil AA NS

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Blk Fissil AA NS

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Char Fissil AA NS

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Char Fissil AA NS



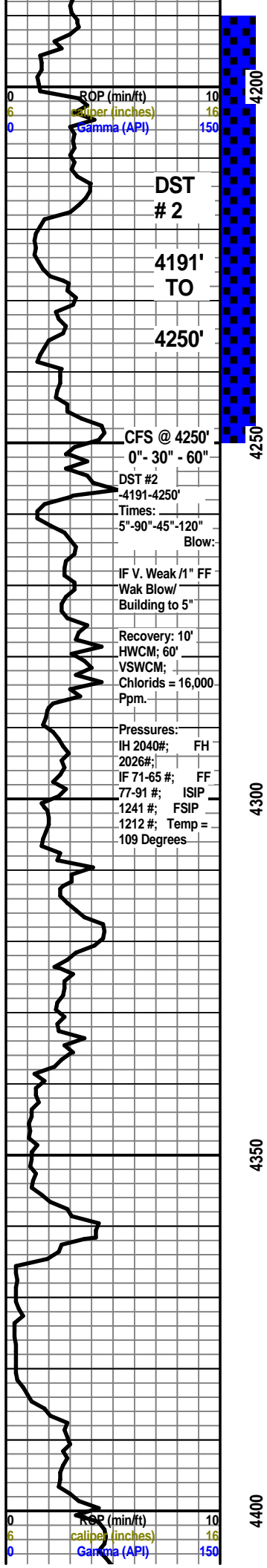
TG, C1-C5 100

CORRECT DEPTH LOST DATA

Shale Gas Kick = 24 Units
Bkgd Gas = 8 Units

Gas Test @ Geotrailer & Extractor @ 4148'. Both are in working order.

Mud Co Mud Ck @ 4250' @ 8:30 AM 1/7/11
Vis 46 ; Wt 9.2# Pv 16; Yp 18; WL 6.4; Cake 1; Chl 2,100; Cal 20;



ROP (min/ft) 10
 Caliper (inches) 16
 Gamma (API) 150

DST # 2

4191' TO 4250'

CFS @ 4250'

0" - 30" - 60"
 DST #2 -4191-4250'
 Times: 5"-90"-45"-120"
 Blow:

IF V. Weak /1" FF Wak Blow/ Building to 5"

Recovery: 10'
 HWCM: 60'
 VSWCM;
 Chlorids = 16,000 Ppm.

Pressures:
 IH 2040#; FH 2026#;
 IF 71-65 #; FF 77-91 #; ISIP 1241 #; FSIP 1212 #; Temp = 109 Degrees

ROP (min/ft) 10
 Caliper (inches) 16
 Gamma (API) 150

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Char Fissil AA NS

IATAN 4201' (-1390)

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Chalk Abd Cht Wht Op Vit Shp No Odor ? Min Flor V Abd Sh Char Fissil AA NS

LANSING 4215' (-1404)

Ls Wht FxIn Fair Igran FxIn Por Barren Fos Crin Foram Cht Wht Op Vit Shp No Odor Tr ? Min Flor V Abd Sh Char Fissil AA NS

30" CFS Ls Wht FxIn Fair Igran FxIn Por Tr Poor OOM Por Poor Leaching Barren Soft Fos Crin Foram Cht Wht Abd Op Vit Shp w/ Fos Foram Includ No Odor V. Sli ? Min Flor (Dull Wht-V.Lt Grn) Sh Char Fissil AA No HC Stn NS

60" CFS Ls Wht FxIn Fair Igran FxIn Por Barren Soft Fos Crin Foram Cht Wht-Gry Abd Op Vit Shp w/ Fos Foram Includ w/ Drk HC Stn in Sli Trip Cht w/V Sli SG (1 Pcs-1 Gas Bubble After Heating) ? Frac Por ? Tr Stn in Cht No Odor V. Sli ? Min Flor (Dull Wht-V.Lt Grn) Sh Char Fissil AA No Vis HC Stn NS

Mostly Trip Debris Grad Ls Wht-Gry FxIn Poor IxIn Por Micritic No Odor Sh Char Fissil Abd AA NS

Dec Trip Debris Grad Ls Wht-Gry FxIn Poor IxIn Por Micritic Sh Char -Grn-Gry Fissil Abd AA No Odor No Flor NoStn NS NS

Ls Wht-Crm FxIn Poor IxIn Por Micritic Sh Char -Grn-Gry Dec AA No Odor No Flor NoStn NS

Ls Wht-Crm FxIn Poor IxIn Por Micritic Sh Char -Grn-Gry Dec AA No Odor No Flor NoStn NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic w/Tr Pyr Includ in Ls Gry AA Sh Char AA Chalk Cht Wht w/ OOL Includ Shp Op Vit No Odor No Flor NoStn NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic w/Tr Pyr Includ in Ls Gry AA Sh Char AA Chalk Cht BLK-Gry Shp Op Vit No Odor No Flor NoStn NS

Ls Gry-Crm FxIn Poor IxIn Por Micritic Sh Char AA Chalk Cht BLK-Gry Shp Op Vit Sh Char Fissil Chalk No Odor No Flor NoStn NS

Ls Gry-Crm FxIn Poor IxIn Por Micritic Sh Char AA Chalk Cht BLK-Gry Shp Op Vit Sh Char Fissil Chalk No Odor No Flor NoStn NS

Ls Wht FxIn Poor-Fair IxIn Gran Por w/Tr Poor OOM Por w/Poor Dis Poor Devel Tr Chalk Sh Char-Blk Carb Fissil Tr Poor ? Min Flor (Dull Wht-Grn) No Odor No Stn NS

Ls Wht-Crm FxIn Poor IxIn Gran Por w/Tr Poor OOM Por w/Poor Dis Poor Devel Chalk ABD Sh Char-Tr Blk AA Carb Fissil Tr Poor No Flor No Odor No Stn NS

Ls Wht-Crm -Tan FxIn Poor IxIn Gran Por Flor Crin Chalk Sh Char AA Fissil Tr Poor No Flor No Odor No Stn NS

Ls Wht-Crm -Tan FxIn Poor IxIn Gran Por Flor Crin Chalk Sh Char AA Fissil Tr Poor No Flor No Odor No Stn NS

Ls Wht-Crm -Tan FxIn Poor IxIn Gran Por Flor Crin Chalk Sh Char AA Fissil Tr Poor No Flor No Odor No Stn NS

Ls Crm-Brn Abd Med-Good OOM Por w/ OOL in pl w/Med-Good Dis Med-Good Devel Good Vug Leaching Por Barren Dec Chalk Tr Sh Char Med-Good Scat Min Flor (Dull Wht-Grn) No Odor No Stn NS

Ls Crm AA w/ Good OOM Por w/ OOL in pl w/Med-Good Dis Med-Good Devel Good Vug Leaching Por Grad IXIn Poor Por w/ Poor IxIn Por Barren Dec Chalk Tr Sh Char Tr Poor Dec Scat Min Flor (Dull Wht-Grn) No Odor No Stn NS

Ls Crm AA w/ Dec Good OOM Por w/ OOL in pl w/Med-Good Dis Med-Good Devel Good Vug Leaching Por Grad Inc FxIn Por w/Poor IXIn Por Barren Dec Chalk Tr Sh Char Tr V Poor Dec Scat Min Flor (Dull Wht-Grn) No Odor No Stn NS

Ls Wht V FxIn w/Poor IxIn Por Micritic Sh Char -Grn-Gry No Odor No Flor NoStn NS

Sol 6.3;
 LCM 2 #
 DMC= \$ 3,287.40
 CMC=\$ 11,247.90

TG, C1-C5 100

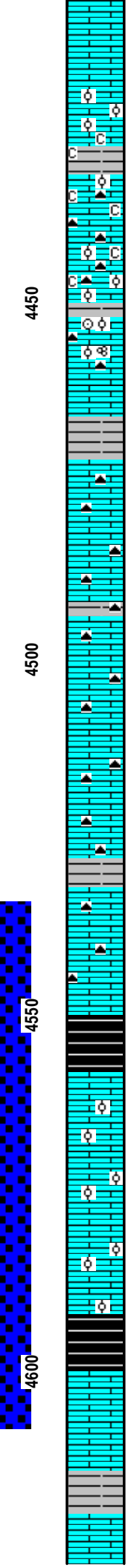
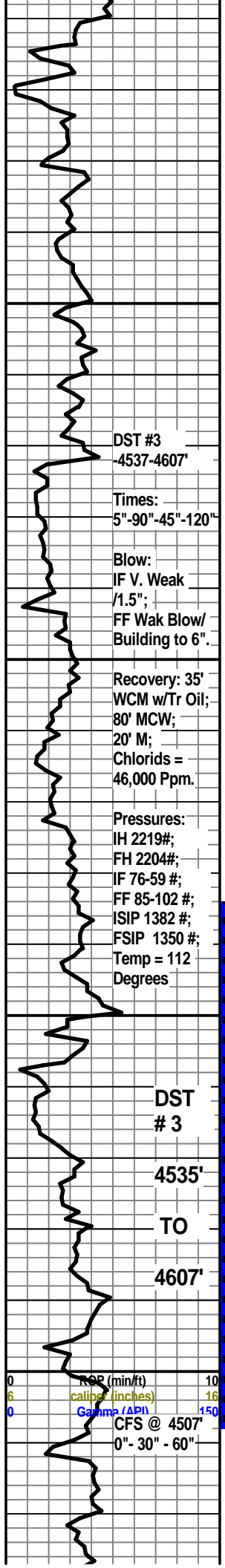
Gas Test @ Geotrailer & Extractor @ 4250'. Both are in working order. Propane Added in Mud system After 60" CFS shows Extractor & System was working properly.

TG, C1-C5 100

Gas Test @ 4368' @ Geotrailer & it appears to be working properly

Re-Zero @ 4417' Iball Gas Dection System @ Geotrailer

TG, C1-C5 100
 Gas Test @ 4422' @ Geotrailer & Extractor



Ls Wht V Fxln w/Poor Ixln Por Micritic Sh Char -Grn-Gry No Odor No Flor NoStn NS

Ls Crm -Gry w/ Tr Good OOM Por w/ OOL in pl AA w/Med-Good Dis Med-Good Devel Good Vug Leaching Por Grad Mostly Fxln Por w/Poor IXIn Por Barren Inc Abd Chalk Tr Sh Char-Grn-Gry Fissil Tr V Poor Scat Min Flor (Dull Wht-Grn) No Odor No Stn NS

Ls Wht V Fxln w/Poor Ixln Por Micritic Dec Cht Char-Gry-Blk Op Shp Vit Tr Ls Gry w/Poor OOM Por Poor-No Dis Poor Devel Abd Chalk Sh Char -Grn-Gry No Odor No Flor NoStn NS

Ls Wht V Fxln w/Poor Ixln Por Micritic Dec Cht Char-Gry-Blk Op Shp Vit Tr Ls Gry w/Poor OOM Por Poor-No Dis Poor Devel Dec Chalk Sh Char -Grn-Gry No Odor No Flor NoStn NS

Ls Wht V Fxln w/Poor Ixln Por Micritic Dec Cht Char-Gry-Blk Op Shp Vit Tr Ls Gry w/ (Few Pcs) OOL Fair Por w/ Abd OOL in pl Poor Dis Poor-Fair Inter OOL Por w/ Poor-Fair Leaching Por Fair-Good Devel Cht Gry-Smokey-Gry Op Vit Shp Fos Crin Foram Sh Char -Grn-Gry No Odor No Flor NoStn NS

Ls Wht V Fxln w/Poor Ixln Por Micritic Sh Char -Grn-Gry No Odor No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Cht Gry Op Shp Vit Sh Char -Grn-Gry Tr Chalk No Odor Tr V Poor Scat Min Flor (Dull Wht-Grn) No Flor NoStn NS

STARK SHALE 4550' (- 1739)

Sh Blk Carb Fissil Ls Crm-Brn Fxln w/ Tr Poor OOM Por Poor-Fair Inter OOM Por Tr Few Pcs w/Poor Vug OOM Leaching Por Sli Scatt Snt Flor (Lt Grn) Faint Odor Sli SG (Few PCS) Mostly "Tite Por" Sli SG

Ls Crm-Brn Fxln w/ Tr Poor OOM Por Poor-Fair Inter OOM Por Tr Few Pcs w/Poor Vug OOM Leaching Por Sli Scatt Stn Flor (Lt Grn) Inc Odor Sli SG (Few PCS) Mostly "Tite Por" Sh Blk Carb Fissil Sli SG

Ls Crm-Brn Fxln w/ Tr Dec Poor OOM Por Poor-Fair Inter OOM Por Tr (Few Pcs) w/Dec Poor Tr OOM Leaching Por AA Sli Dec Scatt Stn Flor (Lt Grn) No Odor No SG "Tite Por" Grad Micritic Sh Blk Carb Fissil NS

Ls Wht-Crm Fxln w/ Tr Dec Poor OOM Por Poor-Fair Inter OOM Por Tr (V Few Pcs) w/Dec Poor Tr OOM Leaching Por AA Sli Dec Scatt Stn Flor (Lt Grn) No Odor No SG "Tite Por" Grad Micritic Tr Dec Sh Blk Carb Fissil AA NS

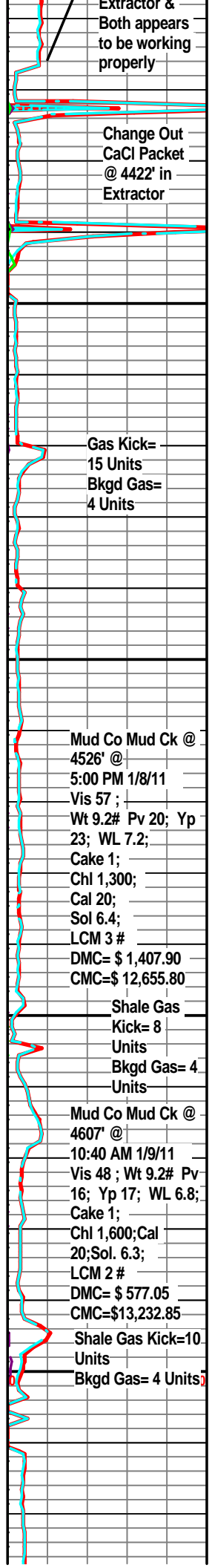
HUSHPUCKNEY SHALE 4592 (-1781)

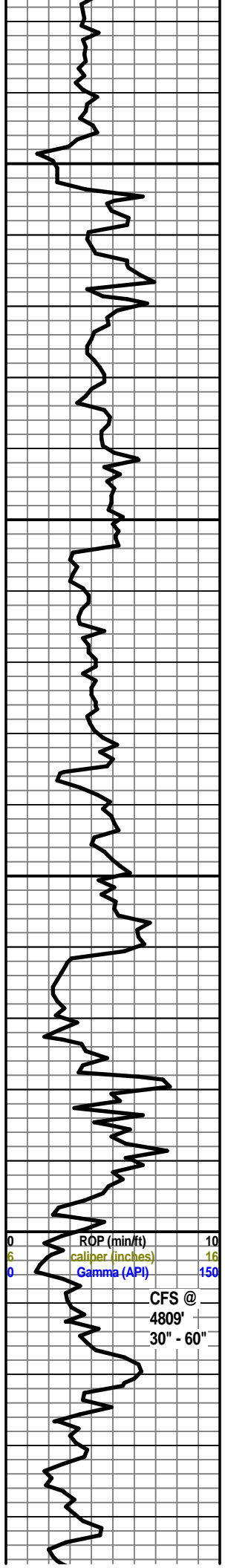
30" CFS Sh ABD BIK Carb Fissil Ls Wht-Crm Mostly Fxln Grad Micritic w/ Tr Poor OOM Por AA Poor-Fair Inter OOM Por Tr Few Pcs w/Poor Vug OOM Leaching Por Sli Scatt Stn Flor (Lt Grn) Sli Odor Sli ? SG

60" CFS Ls Crm-Brn V Fxln w/Poor Ixln Por Micritic AA Sh ABD BIK Carb Fissil Sli Scatt Stn Flor (Lt Grn) No Odor

Ls Wht V Fxln w/Poor Ixln Por Micritic Gran Por w/ Poor-Fair Igran Por Inc Chalk Cht Wht-Smoky Op Vit Shp Sh V Abd Char Fissil Sli Scatt Stn Flor (Lt Grn) No Odor

Sh V Abd Char Fissil Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Tr Dec Gran Por w/ Poor-Fair Igran Por Inc Chalk Cht Tr/Wht-Smoky Op Vit Shp Sli Scatt Stn Flor (Lt Grn) No Odor





4650

4700

4750

4800

Ls Cm-Gry Med OOM Por Barren w/ Tr Med OOM Leaching Por Med Dis Med Develop Tr Poor-Fair Igran Ixln Por Micritic Chalk Cht Gry-Char Op Vit Shp Sh V Abd Char Fissil No Stn No Flor No Odor NS

Sh V Abd Char Fissil Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Tr Dec OOM Por w/ Poor-Fair InterOOM Por Chalk Cht Tr/Char Op Vit Shp Sli Fos Crin No Stn No Flor No Odor NS

Sh V Abd Char Fissil Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Tr Dec OOM Por w/ Poor-Fair InterOOM Por Chalk Cht Tr/Char Op Vit Shp Fos Crin No Stn No Flor No Odor NS

Sh V Abd Char Fissil Tr Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Cht Tr/Char Op Vit Shp No Stn No Flor No Odor NS

Sh V Abd Char Fissil Tr Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Cht Tr/Char Op Vit Shp No Stn No Flor No Odor NS

Sh V Abd Char Fissil Tr Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Cht Tr/Char Op Vit Shp No Stn No Flor No Odor NS

BASE KANSAS CITY 4690' (- 1879)

Sh V Abd Char Fissil Tr Ls Wht-Gry V Fxln w/Poor Ixln Por Micritic Cht Tr/Char Op Vit Shp No Stn No Flor No Odor NS

MARMATON 4704' (- 1893)

Ls Wht Crm V Fxln w/Poor Ixln Por Micritic Gran Por Tr Chalk Cht Wht-Tan Transl-Op Vit Shp Sh Tr/ Char Fissil Inc Scatt Stn Flor (Dull-Wht-Lt Grn) No Odor NS

Ls Wht Crm V Fxln w/Poor Ixln Por Micritic Gran Por Tr Chalk Cht Wht-Tan Transl-Op Vit Shp Sh Tr/ Char Fissil Inc Scatt Stn Flor (Dull-Wht-Lt Grn) No Odor NS

Chk V Abd Wht Ls Wht- Crm V Fxln w/Poor Ixln Por Micritic Sh Tr/ Char Fissil No Odor NS

Ls Crm-Gry Poor Ixln Por Mostly Dns Micritic Chalk AA Sh AA No Odor No Stn No Flour NS

Ls Crm-Gry Poor Ixln Por Mostly Dns Micritic Chalk AA Sh AA No Odor No Stn No Flour NS

Ls Crm-Gry Poor Ixln Por Mostly Dns Micritic Abd Chalk Inc AA Sh AA No Odor No Stn No Flour NS

Ls Wht-Crm V Fxln w/Poor Ixln Por Micritic Grad Inc OOM Por w/ Poor-Fair InterOOM Por w/ OOL in pl Tr Poor Dis Poor-Fair Develop Abd Chalk No Stn No Flor No Odor NS

Ls Wht-Crm V Fxln w/Poor Ixln Por Micritic Grad Inc OOM Por w/ Poor-Fair InterOOM Por w/ OOL in pl Tr Poor Dis Poor-Fair Develop Abd Chalk Sh Grn-Gry Soft Abd Fos Fussil No Stn No Flor No Odor NS

Sh V ABD Blk Carb Fissil Tr LS AA No Odor No flor No Stn NS

PAWNEE 4790' (- 1979)

30" CFS Ls Wht Fxln Poor Ixln Por Chalk Abd AA Sh Blk AA Dec ? Faint Odor NSG Tr V Sli ? Min Flor No Cut NS

60" CFS Ls Wht Fxln Poor Ixln Por Grad Poor Gran Por w/Poor Igran Ixln Por Chalk Abd AA Tr Sh Blk AA Dec No Odor No Flor NSG NS

Sh Blk Carb Abd Fissil Ls Crm-Gry Fxln Poor Ixln Por Tr Chalk AA Fos Crin No Odor No Stn NS

FORT SCOTT 4822' (- 2011)

Ls Wht-Crm Fxln Poor Ixln Por Micritic Cht Wht-Gry Op Shp Vit Fos Fussil Tr/Chalk AA Tr Sh Blk AA Dec No Odor No Flor NSG NS

Ls Wht-Crm Fxln Poor Ixln Por Micritic Cht Wht-Gry Op Shp Vit Fos Fussil Tr/Chalk AA Tr Sh Blk AA Dec No Odor No Flor NSG NS

CHEROKEE SHALE 4844' (- 2033)

Ls Wht-Crm Fxln Poor Ixln Por Micritic Cht Wht-Gry Op Shp Vit Sh Blk Carb V

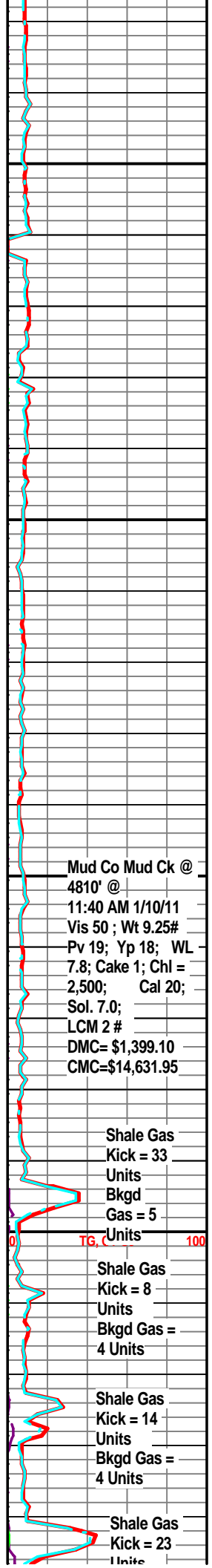
Mud Co Mud Ck @
 4810' @
 11:40 AM 1/10/11
 Vis 50 ; Wt 9.25#
 Pv 19; Yp 18; WL
 7.8; Cake 1; Chl =
 2,500; Cal 20;
 Sol. 7.0;
 LCM 2 #
 DMC= \$1,399.10
 CMC=\$14,631.95

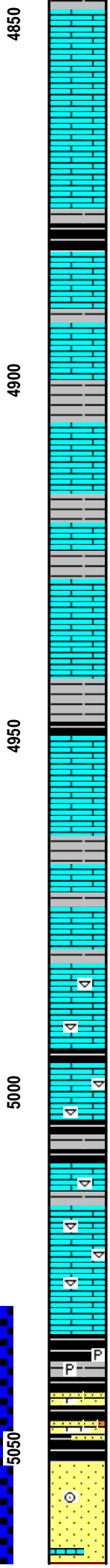
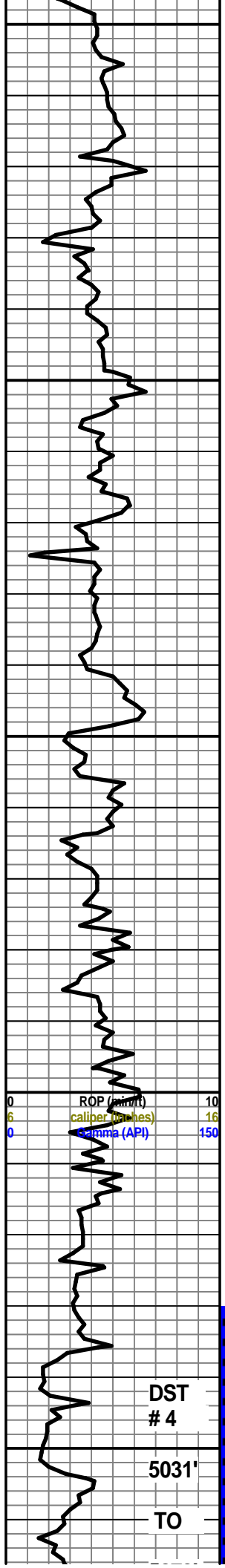
Shale Gas
 Kick = 33
 Units
 Bkgd
 Gas = 5
 Units

Shale Gas
 Kick = 8
 Units
 Bkgd Gas =
 4 Units

Shale Gas
 Kick = 14
 Units
 Bkgd Gas =
 4 Units

Shale Gas
 Kick = 23
 Units





Abd AA \$ Sli Odor No Flor NSG NS

Ls Wht-Crm FxIn Poor IxIn Por Micritic Cht Wht-Gry Op Shp Vit Sh Blk Carb V
 Abd AA Dec No Odor No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Tr/ 1 pcs Ls Crm Poor OOM Por Poor
 InterOOM Por Tr Poor Leaching Poor Dis Cht Wht-Gry Fos Bry Inklus Shp Vit Sh
 Char V Abd AA Dec No Odor No Flor NS

Second Cherokee Shale 4876 (- 2065)

Ls Crm FxIn Poor IxIn Por Micritic Cht Gry Sh Char Dec AA Tr Sh Blk Carb Inc No
 Odor No Flor NS

Ls Crm FxIn Poor IxIn Por Micritic Cht Gry Sh Char Dec AA Tr Sh Blk Carb Inc No
 Odor No Flor NS

Sh Char-Blk Carb Fissil Ls Crm FxIn Poor IxIn Por Micritic Chalk No Odor No Stn
 No Flour NS

Ls Crm FxIn Poor IxIn Por Micritic Sh Char-Sh Blk Carb No Odor No Flor NS

Ls Crm FxIn Poor IxIn Por Micritic Sh Char-Sh Blk Carb No Odor No Flor NS

Ls Crm FxIn Poor IxIn Por Micritic Ls AA (1 Pc w. Scart Dead SO on Edge Poor
 IxIn Por) Sh Char-Sh Blk Carb No Odor No Flor NS

Ls Crm FxIn Poor IxIn Por Micritic Sh Inc Char-Sh Blk Carb No Odor No Flor NS

Ls Crm FxIn Poor IxIn Por Micritic Sh Char-Aqua-Sh Blk Carb Abd No Odor No
 Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Sh Char-Aqua-Sh Blk Carb Fissil No Odor
 No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Sh Char-Aqua-Sh Blk Carb Fissil No Odor
 No Flor NS

Ls Gry FxIn Poor IxIn Por Micritic Fos Pelecy Sh Char-Aqua-Sh Blk Carb Fissil
 No Odor No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Fos Pelecy Sh Char-Aqua-Sh Blk Carb
 Fissil No Odor No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Fos Pelecy Sh Char-Aqua-Sh Blk Carb
 Fissil No Odor No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Fos Pelecy Sh Char-Aqua-Sh Blk Carb
 Fissil No Odor No Flor NS

Ls Crm-Gry FxIn Poor IxIn Por Micritic Fos Pelecy Sh Char-Aqua-Sh Blk Carb
 Fissil No Odor No Flor NS

MORROW SHALE 5036' (-2225)

Sh Gry V Soft Tr Qtz SS Wht VFgrn V Friable Fair Sort Barren Chalk Tr Pyr Mass
 (Much Debris) No Odor No Floru No Stn NS

Sh Blk - Char -Grn Fissil V Abd Sli Tr Qts SS Brn-Wht Fgrn Fair-Well Sorted (Few
 Pcs.) w/ SSO/SSG (Mostly Shale) Pyr Mass No Odor V Sli SO?SG

MORROW SAND 5053' (- 2242)

0" CFS Qtz SS Brn-Gry-Wht Upper Section Med Grn Well Sorted Grad Finnok ing Downward in Lower
 Section of Fgrn-Small Grns Good Igran Por Well Rd/ Well Sorted V FriableFos Crin Sh AA Poor-No
 Flour/Tr Flor (V. Lt Grn) Abd SG/FO in Tray Good Odor Good SG/SO

30" CFS Sh Red-Gry-Char-Grn Abd Soft (Wash V Red) Qtz SS Brn-Gry-Wht AA Fgrn-Small Grns Good
 Igran Por Well Rd/Well Sorted Ls Wht FxIn Dns Micrite Sh Red-Char-Blk AA Good Show

Units
 Bkgd Gas
 = 4 Units

Shale Gas
 Kick = 18
 Units
 Bkgd
 Gas = 5
 Units

Mud Co Mud Ck @
 5079' @
 10:40 AM 1/11/11
 Vis 52 ; Wt 9.25#
 Pv 20; Yp 22; WL
 7.6; Cake 1; Chl =
 1,900; Cal 20;
 Sol. 6.3;
 LCM 2 #
 DMC= \$445.90
 CMC=\$15,077.8595

Shale Gas
 Kick = 15
 Units
 Bkgd
 Gas = 5
 Units

DST #4
 5031'-5079"
 Times:
 5"-90"-60"-60"
 Blow:
 IF V. Weak
 Surface Blow 1/2"
 @ 20";
 FF Weak Blow/
 Building to 1/2".
 Flush Tool @ 20"
 FF No Help.

TG, C1-C5 100
 Recovery: 15' M
 w/Tr Oil;

Pressures:
 IH 2437#;
 FH 2422#;
 IF 69-37 #;
 FF 63-34#; ISIP
 1034 #; FSIP
 78.7 #; Temp =
 117 Degrees

Gas Kick =
 98 Units
 Bkgd
 Gas = 5
 Units

DST
 # 4
 5031'
 TO

5050

5079'

CFS 5079'
30" - 60"

5100

5150

5200

5250

60" CFS Qtz SS Brn-Gry-Wht Fgrn-Small Well Rd Well Sorted Good Show Ls Wht AA FxIn Dns Micrite Inc V Sli Odor Fair/Good SG/SO in SS

MISSISSIPPIAN STE. GEN 5076' (-2265')

Qtz SS Brn-Gry-Wht AA Fgrn-Small Well Rd Well Sorted Good Show In SS Ls Wht AA FxIn Dns Micrite Inc V Sli Odor Fair/Good SG/SO in SS Sh Char-Aqua AA

Sh Red Char Blk AA Tr Aqua w/Pry Inklus (V Hvy Wash Dec Red) Tr LS Wht AA FxIn Poor Igran Por "Sandy Gran Por" Soft No Odor No Flor NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Tr Ls w/ Tr Dead Stn (Drk Blk) Sh Char Blk AA Tr Aqua w/Pry Inklus (Sh Red Dec Wash Red) No Odor No Flor NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Sh Char Tr Aqua w/Pry Inklus Dec (Sh Red Dec Wash Red) No Odor No Flor NS

? MISSISSIPPIAN ST. LOUIS 5112' (- 2301)

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Sh Char Tr Aqua w/Pry Inklus Dec (Sh Red Dec Wash Red) No Odor No Flor NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Chalk Sh Char Tr Aqua w/Pry Inklus Dec No Odor No Flor NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Chalk Sh Char Tr Aqua Blk No Odor No Flor NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Chalk Sh Char Tr Blk No Odor No Flor NS

? MISSISSIPPIAN ST. LOUIS UPPER B 5152' (- 2346)

LS Wht FxIn Poor Igran Por "Sandy Gran Por" AA Grad FxIn OOL Por w/Poor IntOOL Por Soft Chalk Sh Char Tr Blk No Odor ? Sli Min (Dull Wht-Lt Grn) Flor NS

? MISSISSIPPIAN ST. LOUIS LOWER B 5170' (- 2359)

LS Wht FxIn Poor Igran Por "Sandy Gran Por" AA Soft Grad Fair-Med OOM Por W/Poor-Fair IntOOM Por w/OOL In Pl. Tr Vug Leaching OOM Por Poor-Fair Develop Poor-Fair Dis (Few Pcs) Cht Wht-Org Op Shp Vit No Odor No Stn ? Sli Min Flor Inc (Dull Wht-Lt Grn) NS

LS Wht FxIn Poor Igran Por "Sandy Gran Por" Soft Grad Fair-Med OOM Por W/Poor-Fair IntOOM Por w/OOL In Pl. Tr Vug Leaching OOM Por Poor-Fair Develop Poor-Fair Dis (Few Pcs) Cht Wht-Org Inc Op Shp Vit No Odor No Stn ? Sli Min Flor Inc (Dull Wht-Lt Grn) NS

St. Louis Lower B Dense Corr. Marker 5193' (-2382')

Ls Wht FxIn Grad Dns Micritic w/ Tr Fair-Med OOM Por W/Poor-Fair IntOOM Por w/OOL In Pl. Tr Vug Leaching OOM Por (Few Pcs) Poor-Fair Develop Poor-Fair Dis (Few Pcs) Cht Wht-Org Inc Op Shp Vit No Odor No Stn ? Sli Min Flor (Lt Grn Throughout Tray) NS

Ls Wht FxIn Grad Dns Micritic Grad Fair OOM Por W/Poor-Fair IntOOM Por w/OOL In Pl. Tr Poor Vug Leaching OOM Por (V Few Pcs) Poor-Fair Develop Poor-Fair Dis (Few Pcs) Cht Wht-Org-Wht-Gry Inc Op Shp Vit Fos Pelecy No Odor V Sli Min Flor (Dull Wh- Lt Grn) NS

Ls Wht FxIn Dns Micritic Grad Tr Fair OOM Por W/Poor-Fair IntOOM Por w/OOL In Pl. Tr Poor Vug Leaching OOM Por (V Few Pcs) Poor-Fair Develop Poor-Fair Dis (Few Pcs) Cht Wht-Org-Wht-Gry Inc Op Shp Vit No Odor V Sli Min Flor (Dull Wh- Lt Grn) NS

Ls Wht FxIn Grad Tr Fair-Med Grn OOM Por W/Poor-Fair InterOOM Por w/Med Grn OOL In Pl. Tr Poor Leaching OOM Por (V Few Pcs) Fair Develop Fair Dis (Few Pcs) Tr Ls Poor-Fair Inter OOM Frac Por w/ Tr Dead Brn Stn on edges w/VSSG w/Broken Sli Min Flor (Lt- Grn) No Odor VSli ? SG

LS Wht FxIn Poor Igran Fine Small Gran Por "Sandy Gran Por" Soft Grad Poor-OOL Por W/Poor- InterOOM Por w/OOL In Pl. Poor Develop Poor-Fair Dis (Few Pcs) Grad VFxIn VFgran Por Cht Crm-Org Inc Op Shp Vit No Odor ? Sli Dec Min Flor Inc (Dull Wht-Lt Grn) NS

Ls Wht-Crm FxIn Gran OOL Por Fair InterOOL Por w/ Poor Leaching Por Poor Dis Grad FxIn Dns Micritic Fos Bry Chalk No Odor No Vis Stn Flor NS

Ls Wht-Crm FxIn Gran OOL Por Fair InterOOL Por w/ Poor Leaching Por Poor Dis Grad FxIn Dns Micritic Fos Bry Chalk Tr Cht Wht Op Shp Vit No Odor No Vis Stn Flor NS

? MISSISSIPPIAN ST. LOUIS C 5280' (- 2469)

45" CFS Ls Wht-Crm FxIn Tr Dec Gran OOL Por Fair InterOOL Por w/ Poor Leaching Por Poor Dis Grad FxIn Dns Micritic Chalk Tr Cht Wht Op Shp Vit No

Gas Kick = 30 Unit
Re-Cycle Bkgd Gas = 18 Units

Bkgd Gas= 5 Units

Mud Co Mud Ck @ 5131' @ 10:50 AM 1/12/11
Vis 48 ; Wt 9.25#
Pv 18; Yp 20; WL 6.8; Cake 1; Chl = 1,650; Cal 20; Sol. 6.3;
LCM 3 #
DMC= \$1,660.05
CMC=\$16,737.90

Bkgd Gas= 5 Units

Gas Test @ 5216' in Geotrailer

Bkgd Gas= 3 Units

DST #5 5031'-5079'

Times: 5"-90"-60"-15" Blow:

IF V. Weak Surface Blow = 1/2";
FF No Blow for 6" then V. Weak 1/2" Blow for 10".
Flushed tool & Got Weak Blow for 23" Dec. to 1/4" Blow.

Recovery: 35' M;

Pressures:
IH 2465#; FH 2439#

@ 5194' Inc RPM to 80; Inc Weight on Bit from 128,000# to 130,000#

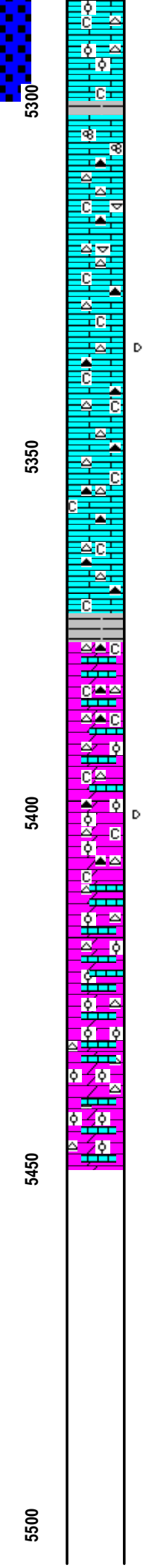
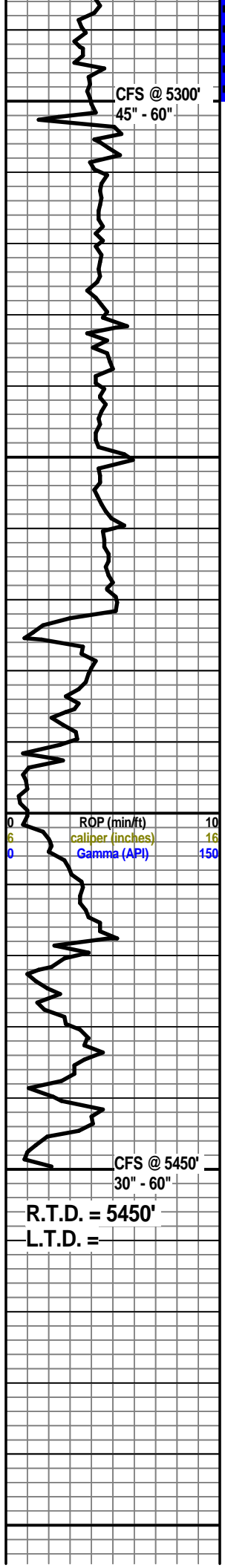
ROP (min/ft) 10
caliber (inches) 16
Gamma (API) 150

DST # 5

5137'

TO

5300'



60" CFS Wht-Crm Fxln Tr Dec Gran OOL Por Fair InterOOL Por w/ Poor Leaching Por Poor Dis Grad Fxln Dns Micritic Chalk Tr Cht Wht Op Shp Vit No Odor No Vis Stn Flor NS

Ls Wht-Crm Wht Fxln Micritic Fos Foram Tr Ls AA Dec OOL Por Chalk Sh Char-Fissil Tr Only No Odor No Stn No Flor NS

Ls Wht- Gry Fxln Micritic Fos Pelec Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor ? Min Flor Inc No Stn NS

Ls Wht- Gry Fxln Micritic Fos Pelec Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor ? Min Flor Inc No Stn NS

Ls Wht- Crm Fxln Micritic Fxln Tr 1Pc w/ Brn Dead Stn Scatt in Micritic Ls Fxln Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec Tr Dead Stn NS

Ls Crm-Gry Fxln Micritic Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor No Flor No Stn NS

Ls Wht- Crm Fxln Micritic Fxln Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec in Flor NS

Ls Wht- Crm Fxln Micritic Ls Fxln Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec in Flor No Stn NS

? MISSISSIPPIAN SALEM 5378' (-2567)

Dolo Gry Fxln Dns Micritic No Vis Por Ls AA Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

Dolo Gry Fxln Dns Micritic No Vis Por Ls AA Chalk Cht Wht-Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

Dolo Gry Fxln Dns Micritic No Vis Por Ls Wht-Gry Fxln Grad OOM InterOOM Por Poor-Fair Dis Fair Develop Chalk Cht Gry Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

Dolo Gry Fxln Grad Poor OOL Por w/ OOL in PI Poor Dis Poor InterOOM Por Tr Ls Wht-Gry AA Fxln Grad OOM InterOOM Por Poor-Fair Dis Fair Develop Chalk Cht Wht-Gry-Clrst Transl- Op Shp Vit Tr Rhombic Inclus Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec Tr 3 pcs Poor OOM Por w/ Scatt Dead Stn Frac Por When Broken NSO/NSG NS

Dolo Gry Fxln Grad Med OOL Por w/ OOL in PI Abd Good Dis Good InterOOM Por w/Ls Wht-Gry AA Fxln Grad OOM InterOOM Por Good Dis Good Develop Chalk Cht Wht-Gry-Clrst Transl- Op Shp Vit Tr Rhombic Inclus Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

30" CFS Dolo Gry Fxln Grad Med OOL Por w/ OOL in PI Abd Good Dis Good InterOOM Por w/Ls Wht-Gry AA Fxln Grad OOM InterOOM Por Good Dis Good Develop Chalk Cht INC Abd Wht-Gry-Clrst Transl- Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

60" CFS Dolo Gry Fxln Grad Med OOL Por w/ OOL in PI Abd Good Dis Good InterOOM Por w/Ls Wht-Gry AA Fxln Grad OOM InterOOM Por Good Dis Good Develop Chalk Cht INC Abd Wht-Gry-Clrst Transl- Op Shp Vit Sh Char-Fissil Tr Only No Odor Tr ? Min Flor Dec NS

