



KANSAS CORPORATION COMMISSION 1066937
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- 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

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: _____



1066937

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
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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
-----------------------------------	-----------	---------	-------------	---------------	---------

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	Swayze 1-7 SE
Doc ID	1066937

Tops

Name	Top	Datum
STOTLER	3708	-1247
LANSING	4610	-2149
STARK	4964	-2503
BKC	5070	-2609
MARMATON	5095	-2634
PAWNEE	5170	-2709
CHEROKEE SH	5220	-2759
MORROW SH	5330	-2869
MISS	5388	-2927
COWLEY	5834	-3373

ALLIED CEMENTING CO., LLC. 040753

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
met latseler

DATE <u>7-27-11</u>	SEC <u>7</u>	TWP. <u>305</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:30am</u>	JOB FINISH <u>11:00am</u>
LEASE <u>Schwartz</u>		WELL # <u>1-7</u>		LOCATION <u>Kingsdownlet 6 south west into</u>		COUNTY <u>Clark</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR CO/REO #1 OWNER Falcon Exploration

TYPE OF JOB <u>Service</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>643'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>630'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>500 psi</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>41"</u>
CEMENT LEFT IN CSG <u>41"</u>	
PERFS.	
DISPLACEMENT <u>39 1/2 bbls H2O</u>	

CEMENT		
AMOUNT ORDERED	<u>225 sk 65:35:6% gel</u>	
	<u>+ 3% gel + 1/4" flo seal</u>	
	<u>150 sk A + 3% gel + 2% gel</u>	
COMMON	<u>150 class A</u>	@ <u>16.25</u> <u>2437.5</u>
POZMIX		@
GEL	<u>3</u>	@ <u>21.25</u> <u>63.75</u>
CHLORIDE	<u>13</u>	@ <u>58.20</u> <u>756.60</u>
ASC		@
		@
	<u>flo seal 56#</u>	@ <u>2.70</u> <u>151.20</u>
	<u>light weight 225 sk</u>	@ <u>15.-</u> <u>3375.</u>
		@
		@
		@
		@
HANDLING	<u>405</u>	@ <u>2.25</u> <u>911.25</u>
MILEAGE	<u>405 / 75 / 11</u>	@ <u>3341.25</u>
		TOTAL <u>11036.5</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Mark Thomsch</u>
# <u>360/265</u>	HELPER <u>Jason Thomsch</u>
BULK TRUCK	
# <u>356/250</u>	DRIVER <u>Eddie Moore</u>
BULK TRUCK	
#	DRIVER

REMARKS:
Arrived with Rig pump 3 bbls H2O ahead
mix 225 sk load cement
mix 150 sk tail cement shutdown
Release plug
dis 39 1/2 bbls H2O
plug 300 psi to 500 psi
Shutin. cement did calculate

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

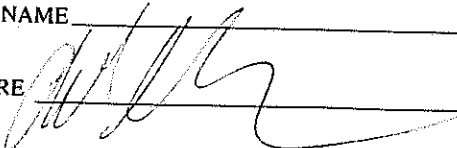
SERVICE

DEPTH OF JOB	<u>630'</u>	
PUMP TRUCK CHARGE		<u>1438.50</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>150</u>	@ <u>7.00</u> <u>1050.-</u>
MANIFOLD	@	
	<u>light vehicle 150</u>	@ <u>4.00</u> <u>600.</u>
	@	
		TOTAL <u>3088.50</u>

3 5/8 PLUG & FLOAT EQUIPMENT

1- Brake plate	@ <u>112.-</u>	<u>112.-</u>
1- Rubber plug	@ <u>112.-</u>	<u>112.-</u>
1- Centralizers	@ <u>64.-</u>	<u>64.-</u>
3 Baskets	@ <u>478.-</u>	<u>1434.-</u>
	@	
		TOTAL <u>1722.</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 _____
 SIGNATURE 

SALES TAX (If Any) _____
 TOTAL CHARGES 15847.05
 DISCOUNT _____ IF PAID IN 30 DAYS

ALLIED CEMENTING CO., LLC. 040245

Federal Tax I.D.# 20-5975804

REMI-TO PO BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge, KS

DATE <u>8-11-2011</u>	SEC. <u>7</u>	TWP. <u>30s</u>	RANGE <u>27W</u>	CALLED OUT <u>11:00AM</u>	ON LOCATION <u>3:00PM</u>	JOB START <u>3:00PM</u>	JOB FINISH <u>6:00PM</u>
LEASE <u>Suarez</u>	WELL # <u>1-7</u>	LOCATION <u>Kingsdown, ks 6 South</u>			COUNTY <u>Clatsop</u>	STATE <u>KS</u>	
OLD OR (NEW) (Circle one)				<u>West into</u>			

CONTRACTOR (U) #1
 TYPE OF JOB Rotary plus
 HOLE SIZE 7 7/8 T.D.
 CASING SIZE 8 5/8 DEPTH 643'
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH 1480'
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.

OWNER Falcon Exploration
 CEMENT AMOUNT ORDERED 21056.60' 40' 40' 60'

DISPLACEMENT 3 water, 12 mud
 EQUIPMENT

COMMON <u>A</u>	<u>126 SK @ 16.25</u>	<u>2047.50</u>
POZMIX	<u>84 SK @ 8.50</u>	<u>714.00</u>
GEL	<u>8 SK @ 21.25</u>	<u>170.00</u>
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>218 @ 2.25</u>	<u>490.50</u>
MILEAGE	<u>218 / 11 / 75</u>	<u>1798.50</u>
TOTAL		<u>5220.50</u>

PUMP TRUCK CEMENTER Darin E
 # 360-265 HELPER Jason T.
 BULK TRUCK
 # 421-752 DRIVER Dustin E
 BULK TRUCK
 # DRIVER

SERVICE
 DEPTH OF JOB 1480'
 PUMP TRUCK CHARGE 1250.00
 EXTRA FOOTAGE @
 MILEAGE 150 @ 7.00 1050.00
 MANIFOLD @
Light vehicle 150 @ 4.00 600.00
 @
 TOTAL 2900.00

REMARKS:
1st plus - 1480' - 8 5/8" hole, mix 5050, 2500, 3000 water, 12 lbs mud
2nd plus - 660' - 12 1/2" water chase, mix 5050, 2500, 3000 water
3rd plus - 330' - 3 1/2" water chase, mix 5050, 2500, 3000 water
4th plus - 10' - mix 2050 of cement
Rotary - mix 3050 of cement
mod 3050 - mix 2050 of cement

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

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.

PRINTED NAME x Walter Russell
 SIGNATURE x [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 8120.50
 DISCOUNT 20% IF PAID IN 30 DAYS
NET 6496.40

Thank you!!!

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

November 07, 2011

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

Re: ACO1
API 15-025-21526-00-00
Swayze 1-7 SE
SE/4 Sec.07-30S-22W
Clark County, Kansas

Dear Production Department:

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

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

Respectfully,
CYNDE WOLF

Company **Falcon Exploration, Inc.**
 Address **125 North Market, Suite 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Dave Williams**

Lease Name **Swayze SE**
 Lease # **1-7**
 Legal Desc **SW NE SE SE**
 Section **7**
 Township **30S**
 County **Clark**
 Drilling Cont **Val Energy #1**

Job Ticket **3439**
 Range **22W**
 State **KS**

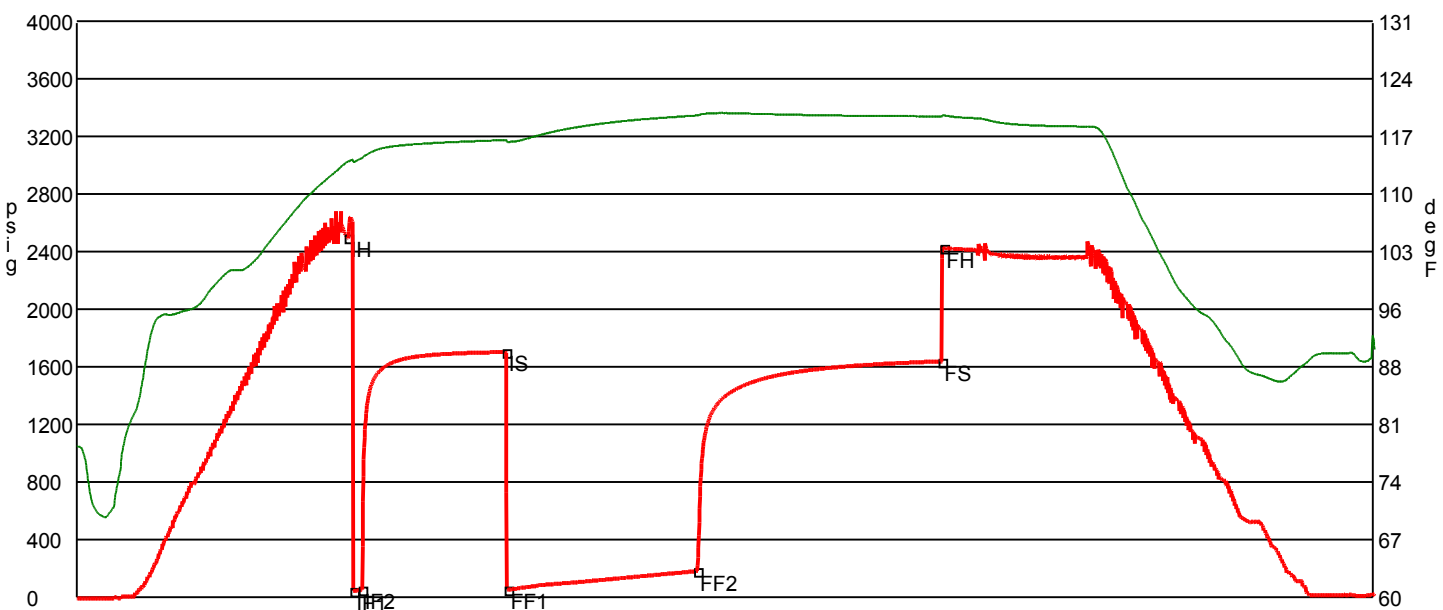
Comments **Field: Wildcat**

GENERAL INFORMATION

Test # 1	Test Date 8/6/2011	Chokes 3/4	Hole Size 7 7/8
Tester Jimmy Ricketts		Top Recorder # 13767	
Test Type Conventional Bottom Hole Successful Test		Mid Recorder #	
		Bott Recorder # w1022	
# of Packers 2.0	Packer Size 6 3/4	Mileage 128	Approved By
		Standby Time 3	
Mud Type Gel Chem		Extra Equipmnt Jars & Safety Joint	
Mud Weight 9.2	Viscosity 57.0	Time on Site 10:30 PM	
Filtrate 11.2	Chlorides 8500	Tool Picked Up 2:15 AM	
		Tool Layed Dwn 3:30 PM	
Drill Collar Len 0		Elevation 2451.00	Kelley Bushings 2461.00
Wght Pipe Len 0			
Formation Pawnee		Start Date/Time 8/6/2011 2:07 AM	
Interval Top 5162.0	Bottom 5195.0	End Date/Time 8/6/2011 3:36 PM	
Anchor Len Below 33.0	Between 0		
Total Depth 5195.0			
Blow Type Weak blow building to 2 inches initial flow period. Weak blow building to strong blow 102 minutes into final flow period. Times: 5, 90, 120, 152.			

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
300	Mud cut water	0% 0ft	0% 0ft	93% 279ft	7% 21ft
30	Water cut mud	0% 0ft	0% 0ft	9% 2.7ft	91% 27.3ft
DST Fluids 140000					



	Date	Time	Pressure	Temp	
IH	8/6/2011 4:54:00 AM	2.783333	2500.414	113.694	Initial Hydro-static
IF1	8/6/2011 4:57:30 AM	2.841667	44.685	113.676	Initial Flow (1)
IF2	8/6/2011 5:03:00 AM	2.933333	53.437	114.154	Initial Flow (2)
IS	8/6/2011 6:33:00 AM	4.433333	1704.534	116.381	Initial Shut-In
FF1	8/6/2011 6:34:00 AM	4.45	54.528	116.148	Final Flow (1)
FF2	8/6/2011 8:32:30 AM	6.425	183.169	119.427	Final Flow (2)
FS	8/6/2011 11:05:30 AM	8.975	1639.763	119.303	Final Shut-In
FH	8/6/2011 11:06:30 AM	8.991667	2427.239	119.426	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company **Falcon Exploration, Inc.**
 Address **125 North Market, Suite 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Dave Williams**

Lease Name **Swayze SE**
 Lease # **1-7**
 Legal Desc **SW NE SE SE**
 Section **7**
 Township **30S**
 County **Clark**
 Drilling Cont **Val Energy #1**

Job Ticket **3439**
 Range **22W**
 State **KS**

Comments **Field: Wildcat**

GENERAL INFORMATION

Test # **2** Test Date **8/8/2011**
 Tester **Jimmy Ricketts**
 Test Type **Conventional Bottom Hole Successful Test**

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

Mud Type **Gel Chem**
 Mud Weight **9.2** Viscosity **120.0**
 Filtrate **15.6** Chlorides **11200**

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

Formation **Mississippian**
 Interval Top **5408.0** Bottom **5470.0**
 Anchor Len Below **62.0** Between **0**
 Total Depth **5470.0**

Blow Type **Weak blow building to 2 inches initial flow period. No blow building to 5 inches final flow period. Times: 30, 90, 80, 120.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **13767**
 Mid Recorder #
 Bott Recorder # **w1022**

Mileage **128** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety Joint**
 Time on Site **2:30 AM**
 Tool Picked Up **5:00 AM**
 Tool Layed Dwn **4:00 PM**

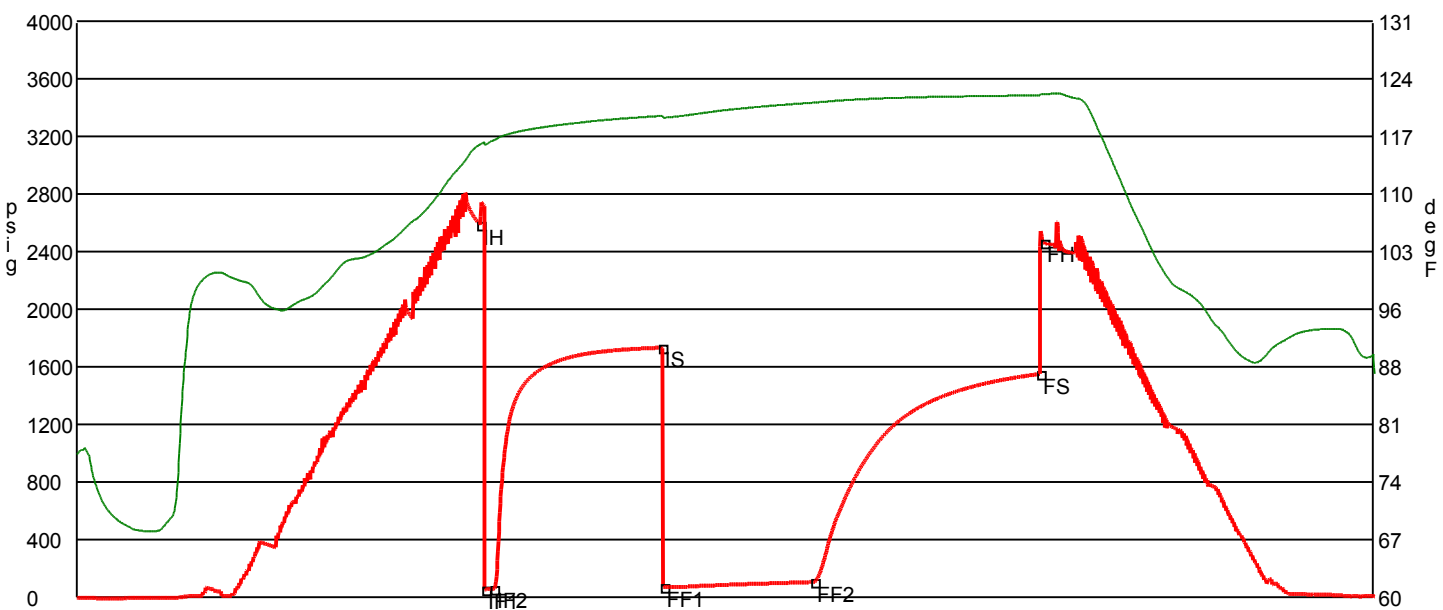
Elevation **2451.00** Kelley Bushings **2461.00**

Start Date/Time **8/8/2011 4:27 AM**
 End Date/Time **8/8/2011 3:54 PM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
30	Slight oil cut mud	0% 0ft	1% 0.3ft	0% 0ft	99% 29.7ft
65	Slight oil and water cut mud	0% 0ft	1% 0.6ft	8% 5.2ft	91% 59.2ft
100	Mud cut water with trace oil	0% 0ft	trace	76% 76ft	24% 24ft

DST Fluids **45000**



	Date	Time	Pressure	Temp	
IH	8/8/2011 7:59:00 AM	3.533333	2586.838	115.845	Initial Hydro-static
IF1	8/8/2011 8:01:45 AM	3.579167	54.932	115.811	Initial Flow (1)
IF2	8/8/2011 8:06:15 AM	3.654167	60.699	116.379	Initial Flow (2)
IS	8/8/2011 9:35:30 AM	5.141667	1734.896	119.362	Initial Shut-In
FF1	8/8/2011 9:36:30 AM	5.158333	72.506	119.12	Final Flow (1)
FF2	8/8/2011 10:56:15 AM	6.4875	107.462	120.992	Final Flow (2)
FS	8/8/2011 12:56:15 PM	8.4875	1552.477	121.9	Final Shut-In
FH	8/8/2011 12:58:30 PM	8.525	2464.157	122.034	Final Hydro-static

GAS FLOWS

Min Into IFP Min Into FFP Gas Flows Pressure Choke

Company **Falcon Exploration, Inc.**
 Address **125 North Market, Suite 1252**
 CSZ **Wichita, KS 67202**
 Attn. **Dave Williams**

Lease Name **Swayze SE**
 Lease # **1-7**
 Legal Desc **SW NE SE SE**
 Section **7**
 Township **30S**
 County **Clark**
 Drilling Cont **Val Energy #1**

Job Ticket **3439**
 Range **22W**
 State **KS**

Comments **Field: Wildcat**

GENERAL INFORMATION

Test # **3** Test Date **8/9/2011**
 Tester **Jimmy Ricketts**
 Test Type **Conventional Bottom Hole Successful Test**

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

Mud Type **Gel Chem**
 Mud Weight **9.2** Viscosity **120.0**
 Filtrate **15.6** Chlorides **11200**

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

Formation **Inola, Morrow, & Mississippian**
 Interval Top **5310.0** Bottom **5470.0**
 Anchor Len Below **160.0** Between **0**

Total Depth **5470.0**
 Blow Type **Weak blow building to 2 inches initial flow period. Weak blow building to 1 inch in 10 minutes, dying to 1/2 inch in 20 minutes and dying to no blow at 55 minutes in final flow period. Times: 5, 90, 65, 98.**

Chokes **3/4** Hole Size **7 7/8**
 Top Recorder # **13767**
 Mid Recorder #
 Bott Recorder # **w1022**

Mileage **0** Approved By
 Standby Time **0**
 Extra Equipmnt **Jars & Safety Joint**
 Time on Site **3:00 PM**
 Tool Picked Up **5:15 PM**
 Tool Layed Dwn **2:00 AM**

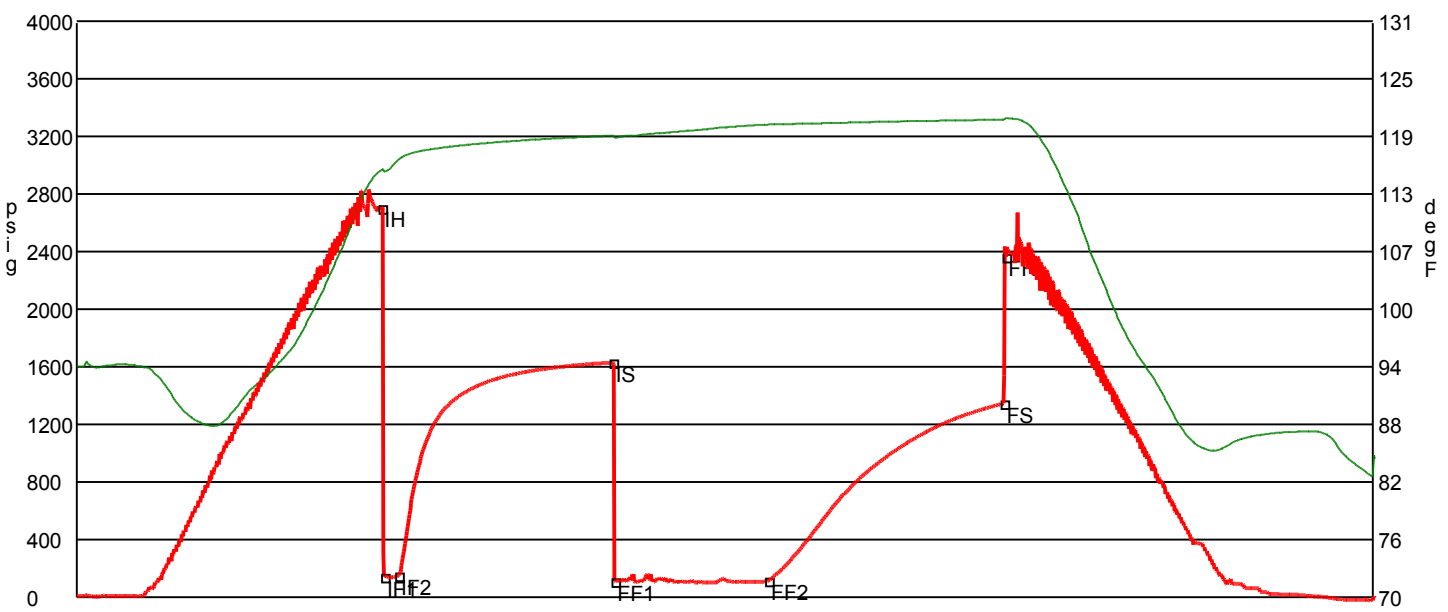
Elevation **2451.00** Kelley Bushings **2461.00**

Start Date/Time **8/8/2011 5:07 PM**
 End Date/Time **8/9/2011 2:05 AM**

RECOVERY

Feet	Description	Gas	Oil	Water	Mud
155	Drilling mud	0% 0ft	0% 0ft	0% 0ft	100% 155ft
30	Water and slight oil cut mud	0% 0ft	1% 0.3ft	13% 3.9ft	86% 25.8ft

DST Fluids **0**



	Date	Time	Pressure	Temp	
IH	8/8/2011 7:11:45 PM	2.079167	2704.615	115.266	Initial Hydro-static
IF1	8/8/2011 7:13:00 PM	2.1	142.975	115.123	Initial Flow (1)
IF2	8/8/2011 7:18:45 PM	2.195833	151.756	116.329	Initial Flow (2)
IS	8/8/2011 8:48:15 PM	3.6875	1631.764	118.905	Initial Shut-In
FF1	8/8/2011 8:49:00 PM	3.7	112.992	118.719	Final Flow (1)
FF2	8/8/2011 9:53:00 PM	4.766667	115.718	120.083	Final Flow (2)
FS	8/8/2011 11:31:15 PM	6.404167	1347.809	120.604	Final Shut-In
FH	8/8/2011 11:32:00 PM	6.416667	2367.265	120.749	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: SWAYZE # 1-7 (SE)
Location: SW-NE-SE-SE
License Number: API #15-025-21,526-00-00
Spud Date: 7/28/11
Surface Coordinates: 715' FSL & 415' FEL of SEC. 7 - TSP. 30 S. - RGE, 22 W.
Region: CLARK CO., KS.
Drilling Completed: 8/11/11

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2451' **K.B. Elevation (ft):** 2461'
Logged Interval (ft): Surface To: 6027' **Total Depth (ft):** 6027'
Formation: Mississippian "Cowley Facies" Formation
Type of Drilling Fluid: CHEMICAL MUD

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: FALCON EXPLORATION
Address: 125 NORTH MARKET STREET, STE. 1252
WICHITA, KANSAS 67202

GEOLOGIST

Name: DAVID P. WILLIAMS, P.G.
Company: DW ENERGY, LLC.
Address: 312 NORTH BROADVIEW STREET
WICHITA, KANSAS 67202

CASING SET

8-5/8" Surface Casing Set at 642'. Allied cemented with 225 sx 65/35,6% gel, 3% cc 1/4# floseal Tail In with 150 sx Class "A", 2% gel, 3% cc. Plug down at 11:00 A.M. 7/29/11 Plug held. Cement Did Circulate.

DSTs




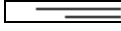

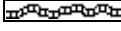


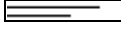

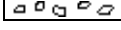

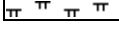


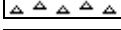




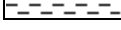

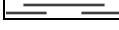

DST # 1: 5162'-5195' Times: 5"- 90"- 120"- 180" Blow: IF Weak Surface 2" Blow; FF Weak Building to Strong Blow to B.O.B. @ 102". Recovery: TF= 330': (300' SW (93% SW & 7% M)) + (30' MSW, 9% SW & 91% M)). Pressures: IH 2500#; FH 2427#; IF 45-53#; FF 55-183#; ISIP = 1705#; FSIP 1640#; Temp= 107 Degrees F.; Chl =140,000 Ppm; Mudco Chl. Re-Ck = Chl. ? Ppm.

DST # 2: 5408'-5470' Times: 5"-90"-80"-120" Blow: IF Weak Surface Inc to 2" Blow: FF Weak Building to Fair 5" Blow: Recovery: TF= 195':(30' SOCM (1% O; 99% M; 65' SOWCM: 1% O, 8% SW & 91% M); 100' MCW w/Tr O): (Tr O, 76% SW & 24% M)). Pressures: IH 2587#; FH 2464#; IF 55-61#; FF 73-107#; ISIP 1735#; FSIP 1552#; Temp= 109 Degrees F.; Chl = 45,000 Ppm; Mudco Chl. Re-Ck = Dolo/Ls Wht-Crm-GrySucrosic Por lxn Por Grad LS Gry w/Grn (? Glacu) Inlus AA Cht Wht Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS C ? Ppm.














































































DST #3: 5408'-5470' Times: 5"-90"-65"-98" Blow: IF Weak Surface 2" Blow. FF Weak Building to 1"@10",1/2"@ 20", No Blow @ 55". Recovery: TF= 185': (155' M + 30 WSOCM (1% O; 13% SW & 86% M)). Pressures: IH 2705#; FH 2369#; IF 143-152#; FF 112-113#; ISIP 1632#; FSIP 1348#; Temp= 111 Degrees F.; Chl = ? Ppm. Mudco Chl. Re-Ck = Chl. ? Ppm.

Comments



























ROCK TYPES

 Anhy	 Coal	 Lmst	 Shcol	 Gry shale
 Bent	 Congl	 Meta	 Shgy	 Carb sh
 Brec	 Dol	 Mrlst	 Sltst	 Grn sh
 Cht	 Gyp	 Salt	 Ss	 Red shale
 Clyst	 Igne	 Shale	 Till	

ACCESSORIES

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

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Even	 Core
 Earthy		 Rounded	 Spotted	 Dst
 Fenest	SORTING	 Subrnd	 Ques	
 Fracture	 Well	 Subang	 Dead	EVENT
 Inter	 Moderate	 Angular		 Rft
 Moldic	 Poor		INTERVAL	 Sidewall
 Organic		OIL SHOW	 Dst_alt	
 Pinpoint		 Gas show	 Dst	

Curve Track 1

ROP (min/ft) ———
Gas (units) - - - - -
Gamma (API) ———

Depth

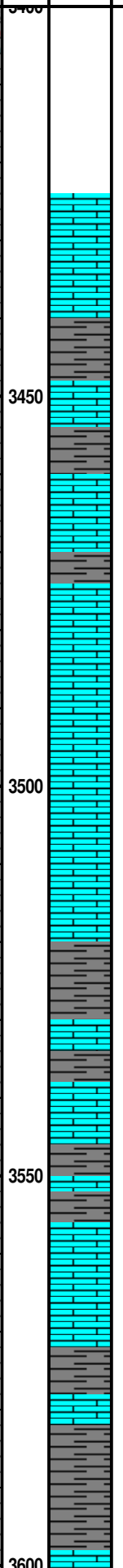
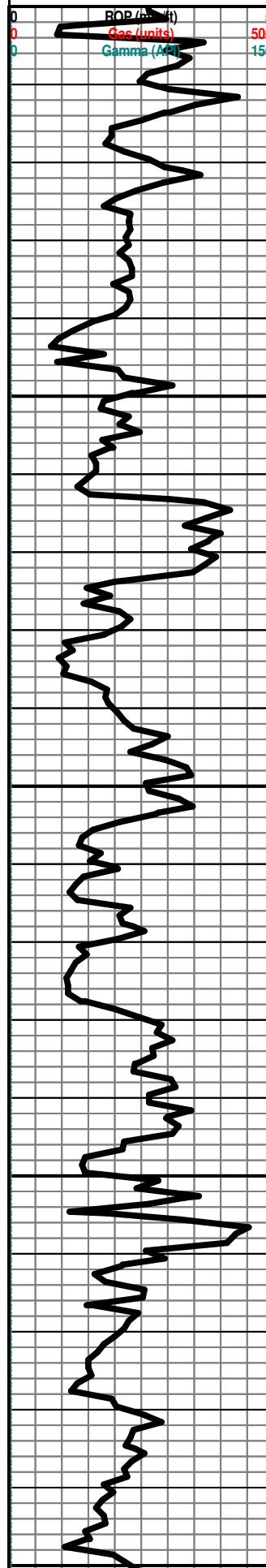
Oil Shows

Geological Descriptions

TG, C1-C5

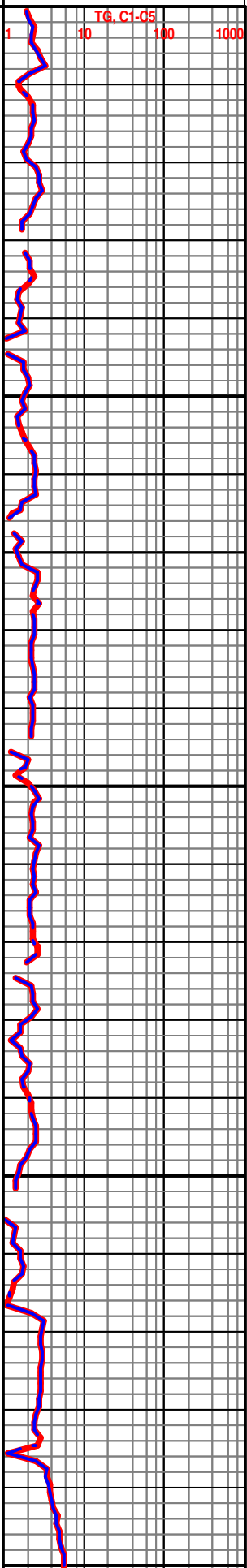
TG (Units) ———
C1 (units) - - - - -
C2 (units) - - - - -
C3 (units) - - - - -
C4 (units) - - - - -
C5 (units) - - - - -

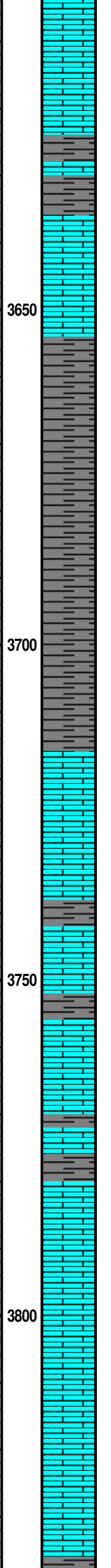
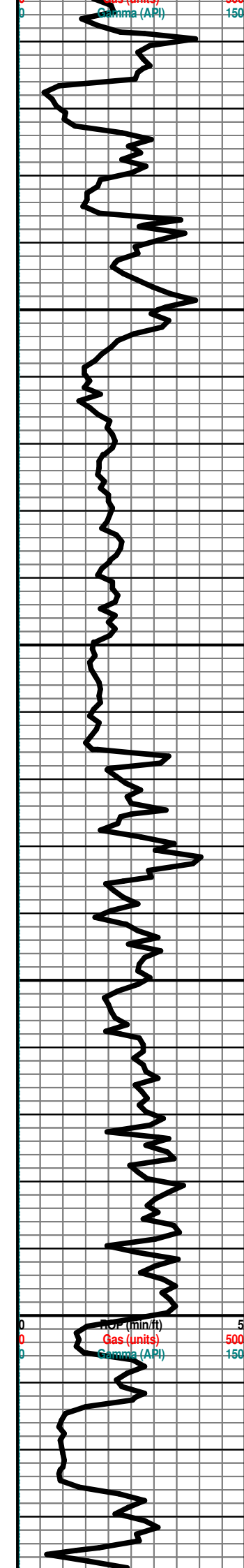
ROP (min/ft) 5
Gas (units) 500
Gamma (API) 150



FALCON EXPLORATION, INC.
SWAYZE # 1-7 (SE)
Sw-Ne-SE-Se - 715' FSL & 415' FEL
Sec. 7 - Tsp. 30 S. Rge. 22 W.
ELEVATIONS: 2461' K.B.; 2451' G.L.
CONTRACTOR: VAL DRILLING - RIG # 1
DEVIATION SURVEYS TAKEN:
= 1 1/2 degree; @ 5195' = 1 degree; @ 6025' = 3/4 degree.

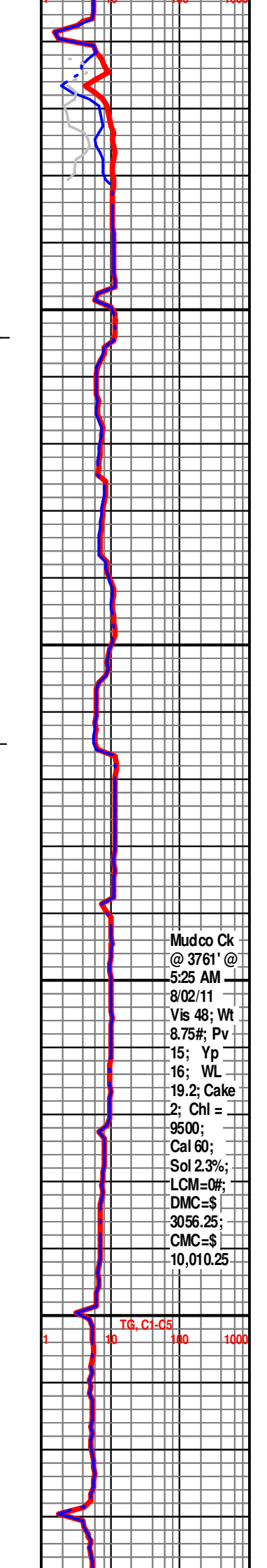
TG, C1-C5 1 10 100 1000



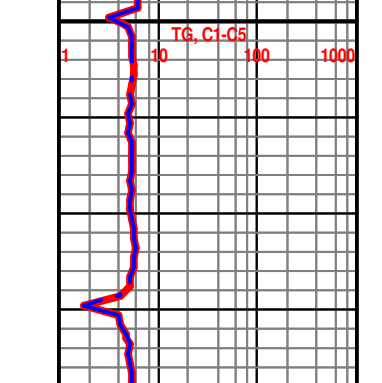
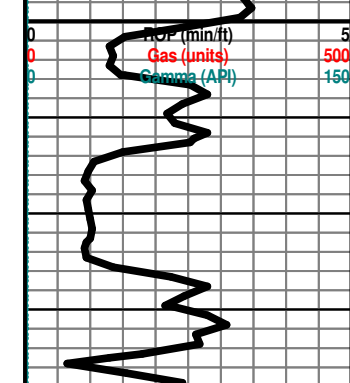


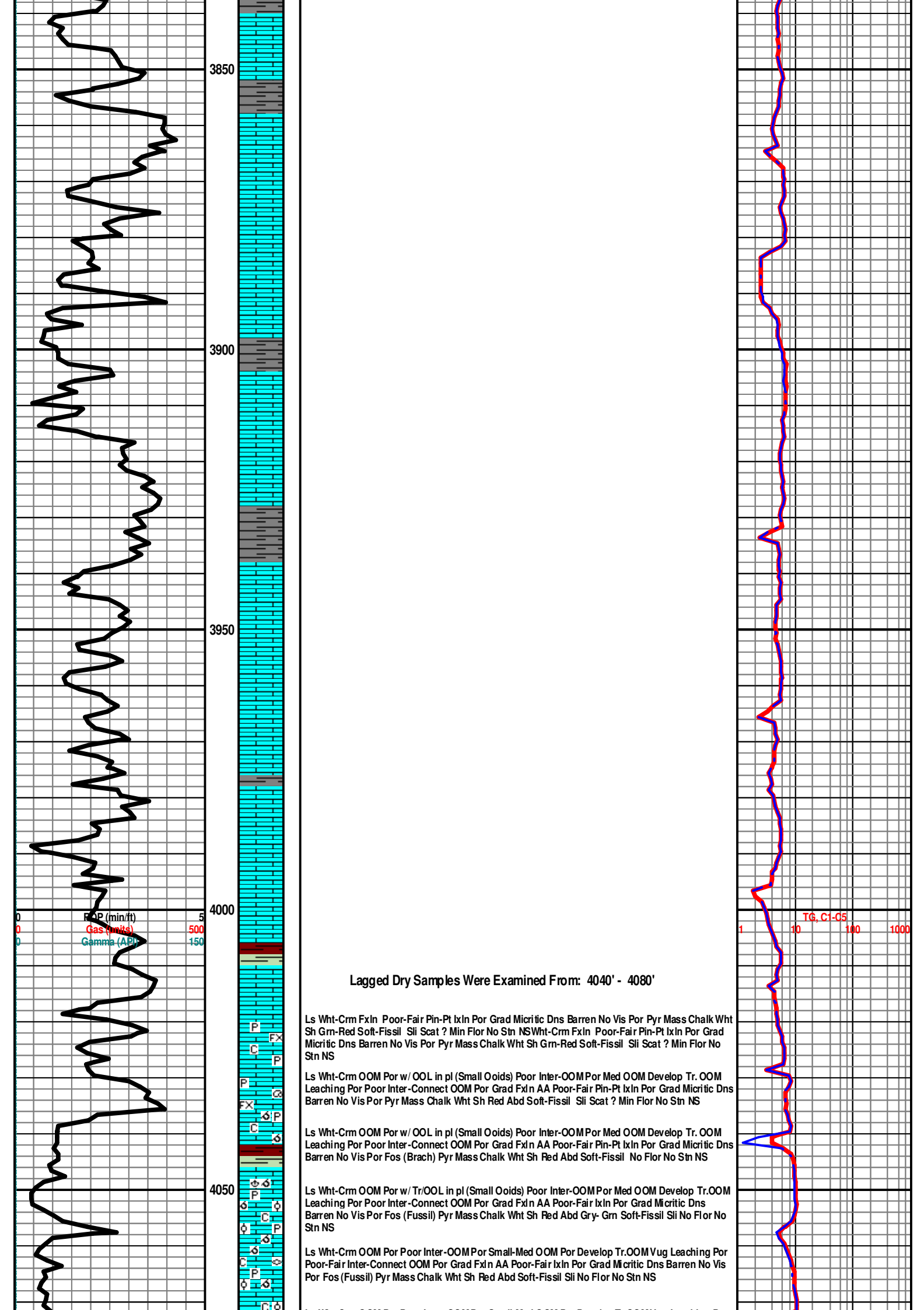
ROOT SHALE 3654' (- 1193)

STOTLER 3716' (- 1255)

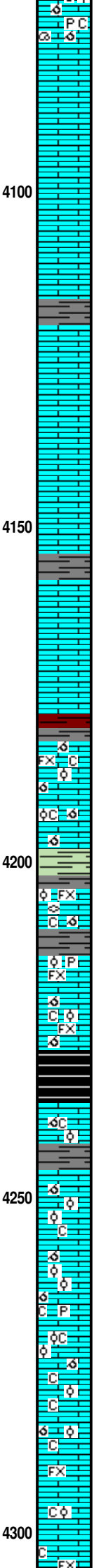
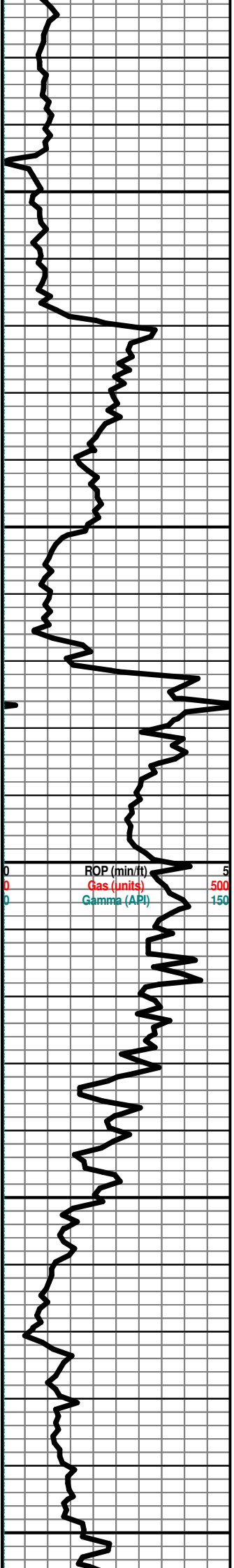


Mudco Ck
 @ 3761' @
 5:25 AM
 8/02/11
 Vis 48; Wt
 8.75#; Pv
 15; Yp
 16; WL
 19.2; Cake
 2; Chl =
 9500;
 Cal 60;
 Sol 2.3%;
 LCM=0#;
 DMC=\$
 3056.25;
 CMC=\$
 10,010.25





Ls Wht-Crm OOM Por Poor Inter-OOM Por Small-Med OOM Por Develop Tr.OOM Vug Leaching Por
 Poor-Fair Inter-Connect OOM Por Grad Fxln AA Poor-Fair Ixln Por Grad Micritic Dns Barren No Vis
 Por Fos (Gastro) Pyr Mass Chalk Wht Sh Red Abd Soft-Fissil Sli No Flor No Stn NS



Geologist: David P. Williams
On Location @ 4220' @ 13:30 hours. on 8/03/11

10' Wet & Dry Samples Examination Start @ 4200'.

Samples Have Been Lagged To Depth By Calculated Time.

Note: All

Ls Wht-Crm Fxln Dns Grad OOM Por w/ OOL in pl Poor InterOOL/OOM Por Poor
 Disolution Poor Leaching Chalk Wht Sh Char-Gry-Red Soft-Fissil No Odor No
 Flor No Stn NS

Ls Wht-Crm AA Fxln Dns Grad OOM Por w/ OOL in pl Poor InterOOL/OOM Por
 Poor Disolution Poor Leaching Chalk Wht Sh Char-Gry-Red-Grn Soft-Fissil No
 Odor No Flor No Stn NS

Ls Wht-Crm AA Fxln Dns Grad OOM Por w/ OOL in pl Poor InterOOL/OOM Por
 Poor Disolution Poor Leaching Chalk Wht Fos (Fuss) Sh Char-Gry-Red-Grn
 Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm AA Grad Fxln Dns Dec OOM Por w/ OOL in pl Poor InterOOL/OOM
 Por Poor Disolution Poor Leaching Chalk Wht Pyr Mass Sh Char-Gry-Red-Grn
 Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm AA Grad Fxln Dns Dec OOM Por w/ OOL in pl AA Poor InterOOL/OOM Por
 Disolution Poor Leaching Chalk Wht Pyr Mass Sh Char-Gry-Red Soft-Fissil No Odor No Flor No Stn
 NS

KING HILL SHALE 4228' (- 1767)

Sh Blk Carb-Char-Gry-Red-Grn Soft-Fissil Ls Wht-Crm Fxln Dns AA Barren
 Chalk Wht No Odor No Flor No Stn NS

Sh Char-Gry-Red-Grn Soft-Fissil Ls Wht-Crm Fxln Dns AA Barren Chalk Wht No
 Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln Dns Grad Poor InterOOL/OOM Por Poor Disolution Poor
 Leaching Chalk Wht Pyr Mass Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor
 No Stn NS

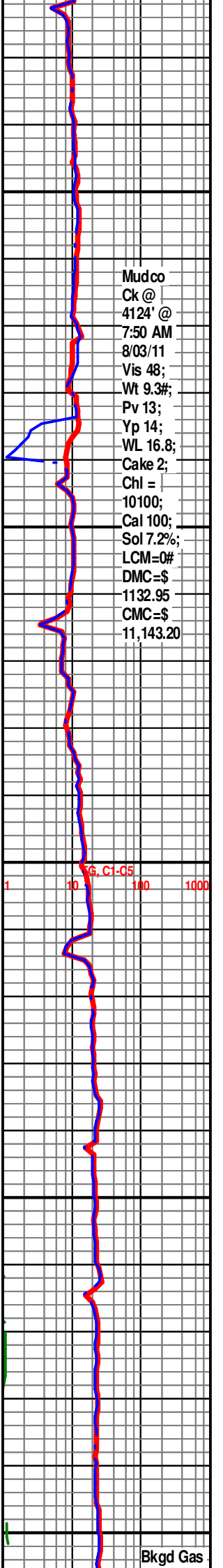
Ls Wht-Crm Grad Fxln Dns Grad Poor-Fair InterOOL/OOM Por Poor-Fair
 Disolution Poor Leaching Chalk Wht Pyr Mass Sh Char-Gry-Red-Grn Soft-Fissil
 No Odor No Flor No Stn NS

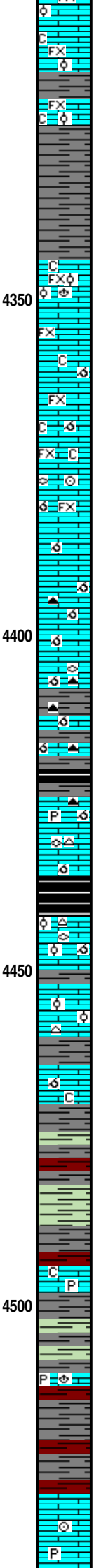
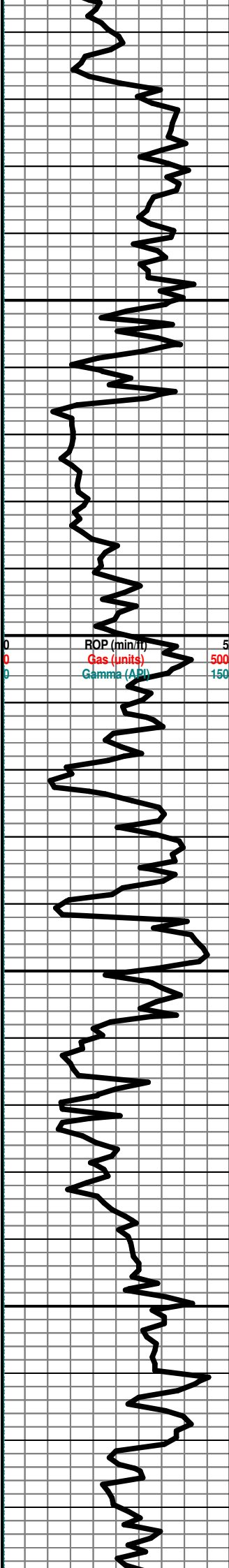
Ls Wht-Crm Grad Fxln Dns Dec Poor InterOOL/OOM Por Poor Disolution Poor
 Leaching Chalk Wht Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn
 NS

Ls Wht-Crm Grad Fxln w/Fair-Med Ixln Por Tr Med Vugs Barren Chalk Wht Sh
 Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair-Med Ixln Por Pin-Pt Ixln Vug Por w/Tr Med Vugs
 Barren Chalk Wht Sh Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair-Med Ixln Por Pin-Pt Ixln Vug Por w/Tr Med Vugs
 Barren Chalk Wht Sh Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS





Ls Wht-Crm Grad Fxln w/Fair-Med Ixln Por Pin-Pt Ixln Vug Por W/Tr Med Vugs Barren Chalk Wht Sh Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair Ixln Por Pin-Pt Ixln Vug Por Dec w/Tr Fxln Vugs Barren Chalk Wht Sh Char-Gry-Red-Grn Inc Soft-Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Red-Grn Inc Soft-Fissil Ls Wht-Crm AA Dec Grad Fxln w/Fair Ixln Por Pin-Pt Ixln Vug Por Dec w/Tr Fxln Vugs Barren Chalk No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair Ixln Por Grad Poor OOL Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Tr Small Pin-Pt Ixln Por Chalk Wht Fos (Brach) Sh Char-Gry-Red-Grn Inc Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair Ixln Por Chalk Wht Sh AA Char-Gry-Red-Grn Inc Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Grad Fxln w/Fair Ixln Por Chalk Wht Sh AA Char-Gry-Red-Grn Inc Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht Fxln Poor Ixln Por Grad OOM Por Fair-Med Dis Poor-Fair-Med Leaching Chalk Wht Sh Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry-Red Soft-Fissil Ls Crm-Wht-Gry Fxln Poor Ixln Por Grad OOM Por Fair-Med Dis Poor-Fair-Med Leaching Chalk Wht No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Grad OOM Por Fair Dis Poor-Fair Leaching Chalk Wht Sh Blk Carb-Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Tr OOM Por AA Fair Dis Poor-Fair Leaching Cht Blk Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

Sh Blk Carb-Char-Gry Soft-Fissil Ls Crm-Wht-Gry Fxln Poor Pin-Pt Ixln Por Cht Blk Op Shp Vit Pyr Mass No Odor No Flor No Stn NS

HEEBNER SHALE 4418' (- 1961)

Sh Blk Carb -Char-Gry-Red Soft-Fissil Ls Crm-Wht-Gry Fxln Poor Pin-Pt Ixln Por Grad Poor OOM Por Poor Dis Poor Leaching Fos (Fuss) Cht Gry Op Shp Vit No Odor No Flor No Stn NS

Ls Crm-Wht-Gry Fxln Poor Ixln Por Tr OOM Por AA Fair Dis Poor-Fair Leaching Cht Blk Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

TORONTO 4442' (- 1981)

Ls Crm-Wht-GryAA Fxln Poor Ixln Por Tr Gran OOL Por Poor Inter-OOL (V Small) Por Cht Gry Op Shp Vit Fos (Fuss) No Odor No Flor No Stn NS

DOUGLAS SH 4458' (- 1997)

Sh Char-Gry Abd Soft-Fissil Ls Crm-Wht-Gry AA Fxln Poor Pin-Pt Ixln Por Grad Tr/Poor OOM PorAA Poor Dis Poor Leaching Chalk Wht No Odor No Flor No Stn NS

Sh Char-Gry-Grn AA Fissil Inc Ls Crm AA Fxln Chalky Tr/ Ls Wht Fxln Dns w/Pyr Includ No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Sh Char-Gry-Grn-Fissil Inc Ls Crm AA Fxln Chalky No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

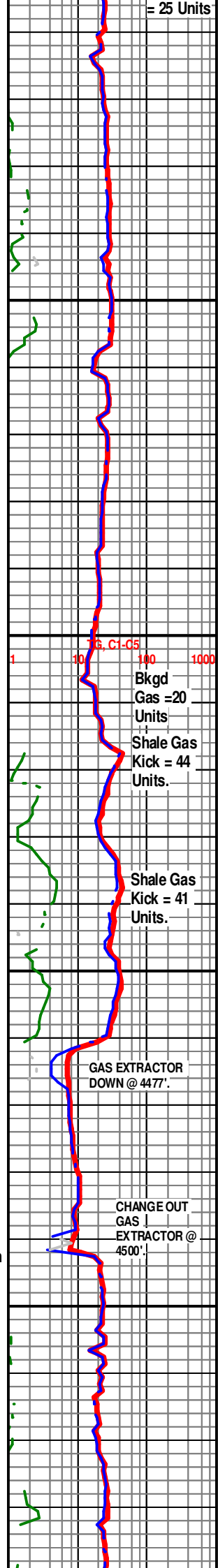
Sh Char-Gry Abd Soft-Fissil Ls Crm-Wht-Gry AA Fxln Poor Pin-Pt Ixln Por Grad Tr/Poor OOM PorAA Poor Dis Poor Leaching Chalk Wht No Odor No Flor No Stn NS

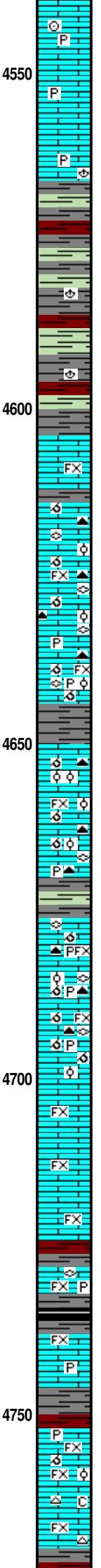
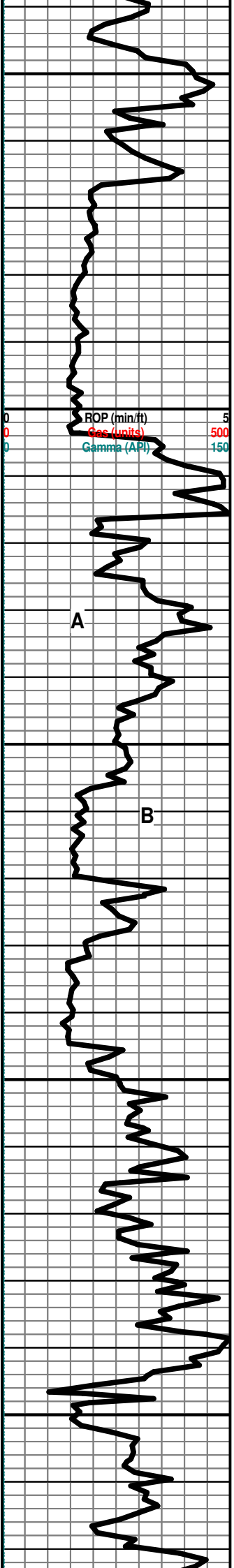
Sh Char-Gry-Grn Fissil Inc Ls Crm AA Fxln Chalky Tr/ Ls Wht Fxln Dns w/Pyr Includ Fos (Brach) No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Crm-Tan Fxln Poor Ixln Por Dns w/Pyr Includ Fos (Brach) Sh Char-Gry-Grn-Red Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Sh Char-Gry-Grn Tr/Red Fissil Inc Ls Crm AA Fxln Chalky Fos (Brach) No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht Tan Fxln Poor Ixln Por Pyr Mass Fos (Crin) Sh Char-Gry-Grn-Red Dec Fissil No Odor Tr Scatt Lt Gm Flor ? Min Flor No Stn NS





Ls Crm-Wht-Tan Fxln Poor Ixln Por Pyr Mass Fos (Crin) Sh Char-Gry-Grn- Red Dec AA Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Pyr Mass Sh Char-Gry-Grn- Red Dec AA Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Pyr Mass Sh Char-Gry-Grn- Red Dec AA Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Pyr Mass Sh Char-Gry-Grn Red Inc Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Sh Char-Gry-Grn-Red Fissil Inc Ls Crm AA Fxln Chalky Fos (Brach) No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Sh Char-Gry-Grn-Red Fissil Inc Ls Crm AA Fxln Chalky Fos (Brach) No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

IATAN (BROWN LIME) 4604' (- 2143)
 Ls Crm-Wht-Tan Fxln Poor Ixln Por Sh Char-Gry-Grn-Red Fissi No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

LANSING 4616' (- 2155)
 Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry AA Fxln w/Poor-Fair Ixln Por Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por w/ Pyr Includ Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por w/ Pyr Includ Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por w/ Pyr Includ Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por w/ Pyr Includ Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Sh Char-Gry-Grn-Red Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Sh Char-Gry-Grn-Red Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan-Gry Fxln Poor Ixln Por Sh Char-Gry-Grn-Red Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

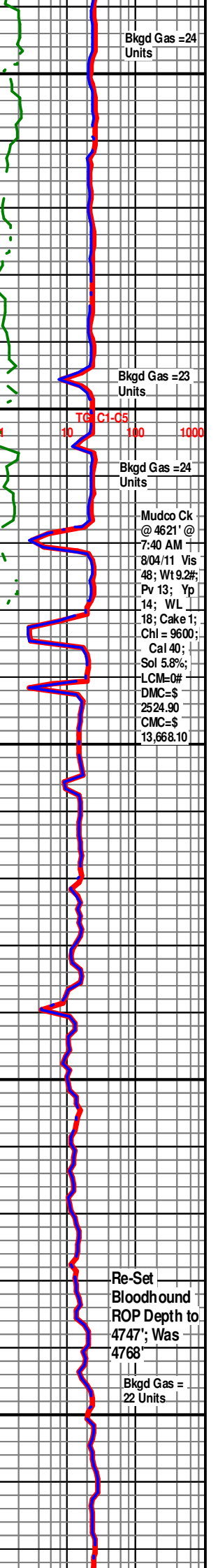
Ls Crm-Wht-Tan-Gry Fxln Poor -Fair Ixln Por w/Tr Pyr Includ Fos (Fuss) Sh Blk Carb-Char-Gry Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Crm-Wht-Tan-Gry Fxln Poor -Fair Ixln Por w/Tr Pyr Includ Cht Gry Op Shp Vit Fos (Fuss) Sh Blk Carb-Char-Gry Fissil No Odor Tr Scatt Lt Grn Flor ? Min Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por w/ Pyr Includ Grad Tr/OOM Por w/Tr OOL in pl (Very Small) Poor Dis Poor Leaching Fos (Fuss) Cht Drk Char Shp Vit Op Chalk Wht Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Wht-Crm-Gry Fxln w/Poor-Fair Ixln Por Cht Gry Shp Vit Op Chalk Wht Sh Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por Cht Gry Shp Vit Op Chalk Wht Sh



Bkgd Gas =24 Units

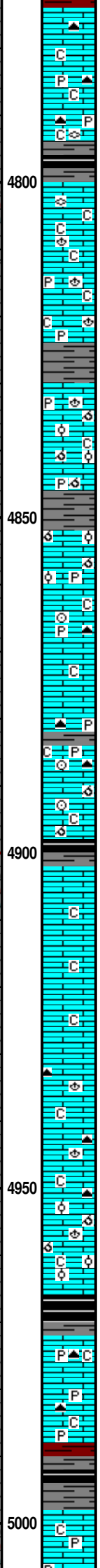
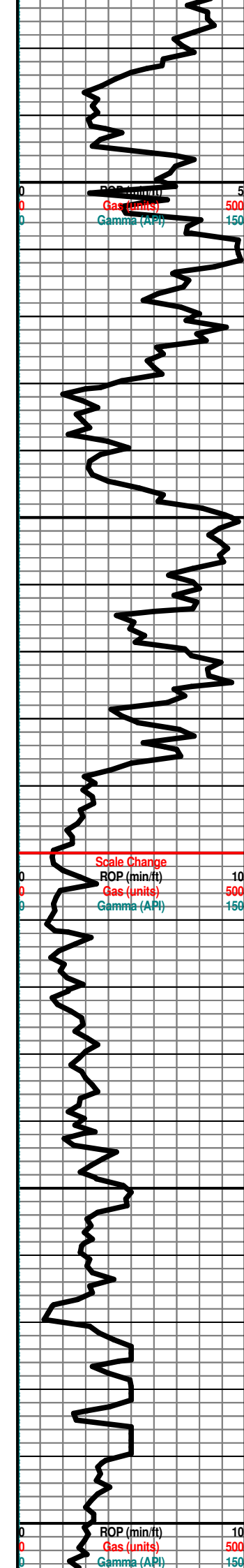
Bkgd Gas =23 Units

Bkgd Gas =24 Units

Mudco Ck @ 4621' @ 7:40 AM 8/04/11 Vis 48; Wt 9.2#; Pv 13; Yp 14; WL 18; Cake 1; Chi = 9600; Cal 40; Sol 5.8%; LCM=0# DMC=\$ 2524.90 CMC=\$ 13,668.10

Re-Set Bloodhound ROP Depth to 4747'; Was 4768'

Bkgd Gas = 22 Units



Ls Crm-Gry Fxln w/Poor-Fair Ixln Por Cht Gry Shp Vit Op Chalk Wht Sh
Char-Gry-Red-Grn Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Includ Grad Ls Wht Fxln Gran OOL
Por Poor-Fair Cht Drk Gry Shp Vit Op Chalk Wht Sh Char-Gry Soft-Fissil No
Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Includ Grad Ls Wht Fxln Gran OOL
Por Poor-Fair Cht Drk Gry Shp Vit Op Fos (Brach) Chalk Wht Sh Char-Gry-Red
Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Mass Fos (Brach) Chalk Wht Sh
Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Mass Fos (Brach) Chalk Wht Sh
Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Mass Fos (Brach) Chalk Wht Sh
Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry Fxln w/Poor-Fair Ixln Por Grad Ls Wht Small OOL in pl Poor-Fair
InterOOL/OOM Por Poor Dis Poor Devel Sh Char-Gry Soft-Fissil No Odor No Flor
No Stn NS

Sh Char-Gry-Tan Soft-Fissil Ls Crm-Gry Fxln w/Poor-Fair Ixln Por Grad Ls Wht
Dec Small OOL in pl Poor-Fair InterOOL/OOM Por Poor Dis Poor Develop Pyr
Mass No Odor No Flor No Stn NS

No Sample Caught Crew Change

Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Mass Cht Brn Op Shp Vit Fos
(Crin) Chalk Wht Sh Char-Gry-Brn-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por w/Pyr Mass Cht Brn Op Shp Vit Fos
(Crin) Chalk Wht Sh Char-Gry-Brn-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por Grad Ls Crm Poor OOM Por Poor
Dissol Poor Leaching Barren Cht Gry-Brn Banded Op Shp Vit Chalk Wht Tr Dec
Fos (Crin) Sh Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry-Wht Fxln w/Poor-Fair Ixln Por Chalk Wht Inc Sh
Blk-Carb-Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry-Wht Fxln w/Poor-Fair Ixln Por Chalk Wht Sh Char-Gry-Grn-Red
Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry-Wht Fxln w/Poor-Fair Ixln Por Chalk Wht Sh Char- Gry-Red
Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry-Wht Fxln w/Poor-Fair Ixln Pin-Pt Por Cht Gry Op Shp Vit Fos
(Brach) Chalk Wht Sh Char- Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Gry-Wht Fxln w/Poor-Fair Ixln Por Cht Gry Op Shp Vit Fos (Brach) Chalk
Wht Sh Char-Grn-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por Grad Ls Crm Poor OOL/OOM Por
w/OOL in pl Poor Dissol Poor Leaching Barren Cht Gry Op Shp Vit Chalk Wht
Fos (Brach) Sh Char-Gry-Red Soft-Fissil No Odor No Flor No Stn NS

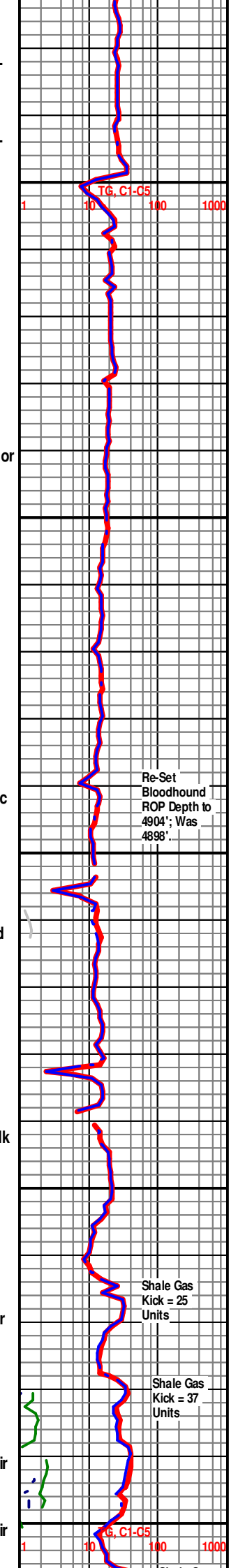
STARK SH 4966' (- 2505)

Sh Blk Carb-Char-Gry-Red Soft-Fissil Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por
Cht Gry Op Shp Vit Pyr Mass Chalk Wht No Odor No Flor No Stn NS

Ls Crm-Tan-Gry Fxln w/Poor-Fair Ixln Por Cht Gry Op Shp Vit Pyr Mass Chalk
Wht Sh Char-Gry-Abd-Tr Blk Carb-Red Soft-Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Abd Blk Carb-Grn Red Soft-Fissil Ls Crm-Tan-Gry Fxln w/Poor-Fair
Ixln Por Pyr Mass Chalk Wht No Odor No Flor No Stn NS

Sh Char-Gry-Abd Blk Carb-Grn Red Soft-Fissil Ls Crm-Tan-Gry Fxln w/Poor-Fair
Ixln Por Pyr Mass Chalk Wht No Odor No Flor No Stn NS



Re-Set
Bloodhound
ROP Depth to
4904'; Was
4898'...

Shale Gas
Kick = 25
Units

Shale Gas
Kick = 37
Units

HUSHPUCKNEY Sh Char-Gry-Abd Blk Carb-Grn Red Soft-Fissil Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Pyr Mass Chalk Wht No Odor No Flor No Stn NS

Ls Wht-Crm FxIn w/Poor-Fair IxIn Por Grad Ls Wht-Crm Poor OOL/OOM Por w/OOL in pl Poor Dissol Poor Leaching Barren Chalk Wht Sh Char-Gry-Grn-Red Soft-Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Tr Blk Carb Tr Red Soft-Fissil Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Pyr Mass No Odor No Flor No Stn NS

Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Wht Op Shp Vit Chalk Wht Inc Sh Char-Gry-Tr Blk Carb-Tr Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Wht FxIn w/Poor-Fair IxIn Por Cht Wht w/OOL Tr Drk Brn in pl Cht Wht-Brn Op Shp Vit Chalk Wht Fos (Fuss) Sh Char-Gry-Tr Blk Carb-Tr Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Wht FxIn w/Poor-Fair IxIn Por Cht Wht-Drk Brn w/OOL in pl Op Shp Vit Chalk Wht Fos (Fuss) Sh Char-Gry Inc Grn-Tr Blk Carb-Tr Red Soft-Fissil No Odor No Flor No Stn NS

BASE KANSAS CITY 5072' (- 2631)

Sh Char-Gry-Aqua Blu-Grn w/Pyr IncludSoft-Fissil Ls Crm-Tan-Gry AA FxIn w/Poor-Fair IxIn Por Cht Wht-Drk Brn w/OOL in pl Pyr Mass Sh Char-Gry Inc Grn-Tr Blk Carb-Tr Red Soft-Fissil No Odor No Flor No Stn NS

MARMATON 5092' (- 2644)

Ls Crm-Tan-Wht FxIn w/Poor-Fair IxIn Por Cht Wht-Drk Brn w/OOL in pl Op Shp Vit Chalk Wht Fos (Fuss) Sh Blk Carb-Char-Gry Inc Grn-Tr Red Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Wht-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Sh Char-Gry-Grn-Dec Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Abd Pyr Mass Sh Char-Gry-Grn-Dec Soft-Fissil No Odor No Flor No Stn NS

Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Abd Pyr Mass Sh Char-Gry-Grn Soft-Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Grn Soft-Fissil Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Abd Pyr Mass No Odor No Flor No Stn NS

Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Abd Pyr Mass Sh Char-Gry-Grn Soft-Fissil No Odor No Flor No Stn NS

Sh Char-Gry-Grn Soft-Fissil Ls Crm-Tan-Gry FxIn w/Poor-Fair IxIn Por Cht Gry-Brn Op Shp Vit Chalk Wht Fos (Crin) Abd Pyr Mass No Odor No Flor No Stn NS

PAWNEE 5169' (- 2708)

20" CFS @ 5195' Ls Crm Tan FxIn Poor IxIn Por Fos ? Frac Por Dns Grad Soft Tr Chalk Wht Sh AA Cht Gry-Brn Op Shp Vit AA NS Scat Flor Stn (Lt Gold) Will Cut w/Acid w/ Sli SO No Odor

40" CFS @ 5195' Ls Crm Tan FxIn Poor IxIn Por Fos ? Frac Por Dns Grad Soft Tr Chalk Wht h AA Cht Gry-Brn Op Shp Vit AA Scat Flor Stn (Lt Gold) Will Cut w/Acid w/ Sli SO No Odor SSO

60" CFS @ 5195' Ls Crm Tan FxIn Poor IxIn Por Fos ? Frac Por Dns Grad Soft Tr Chalk Wht h AA Cht Gry-Brn Op Shp Vit AA Scat Flor Stn (Lt Gold) Will Cut w/Acid w/ Sli SO No Odor SSO

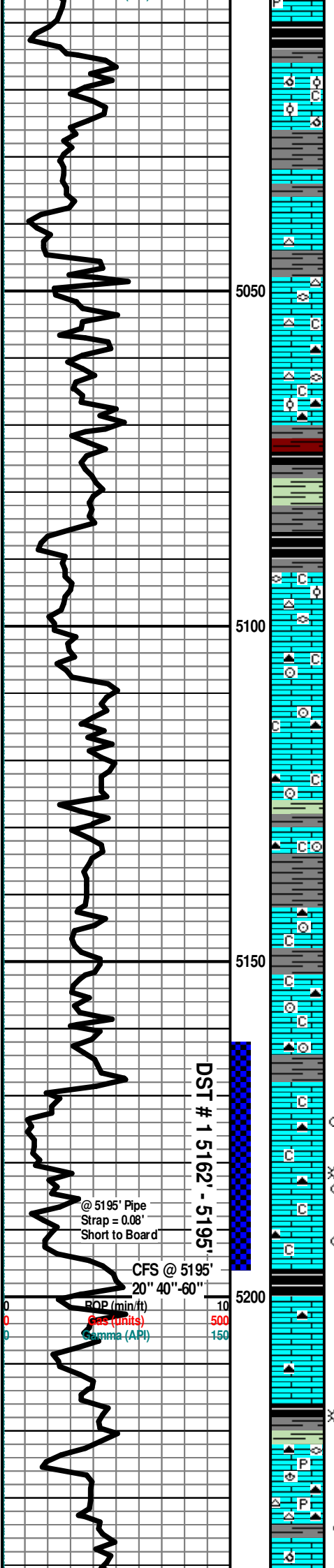
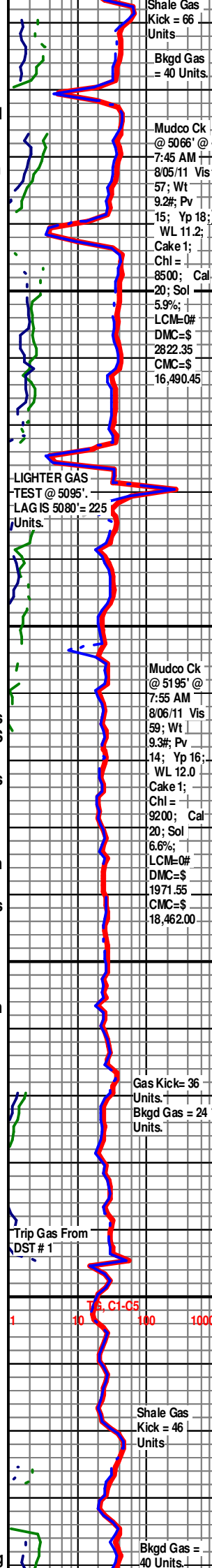
DST # 1 5162'-5195' Times: 5"- 90"- 120"- 180" Blow: IF Weak Surface 2" Blow; FF Weak Building to Strong Blow to B.O.B. @ 102". Recovery: TF= 330': (300' SW (93% SW & 7% M)) + (30' MSW, 9% SW & 91% M)). Pressures: IH 2500#; FH 2427#; IF 45-53#; FF 55-183#; ISIP = 1705#; FSIP 1640#; Temp= 107 Degrees F.; Chl =140,000 Ppm; Mudco Chl. Re-Ck = Chl. ? Ppm.

CHEROKEE 5216' (-2755)

Sh Blk Carb w/SSG -Char-Gry-Grn-Aqua Soft-Fissil Ls Crm-Gry FxIn w/Poor-Fair IxIn Por Cht Drk Gry Op Shp Vit Chalk Wht Fos (Brach. Fuss) Pyr Mass No Odor Sli Tr ? Min Flor No Stn SSG

Ls Crm-Gry FxIn w/Poor-Fair IxIn Por Cht Wky-Drk Gry Op w/Tr Pyr Includ Shp Vit Chalk Wht Pyr Mass Sh Blk Carb-Char-Gry-Grn-Aqua Soft-Fissil No Odor Sli Tr ? Min Flor No Stn

Ls Crm-Tan-Wht FxIn w/Poor IxIn Por Grad OOM V Poor InterOOM Por Tr Sli Vug



DST # 1 5162' - 5195'

CFS @ 5195' 20" 40" 60"

@ 5195' Pipe Strap = 0.08' Short to Board

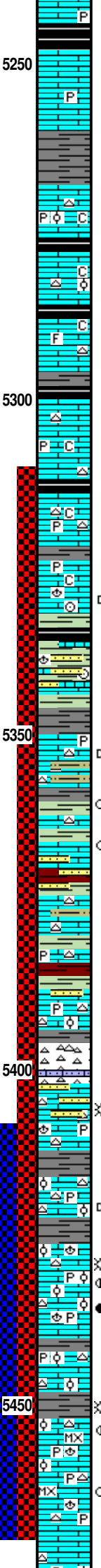
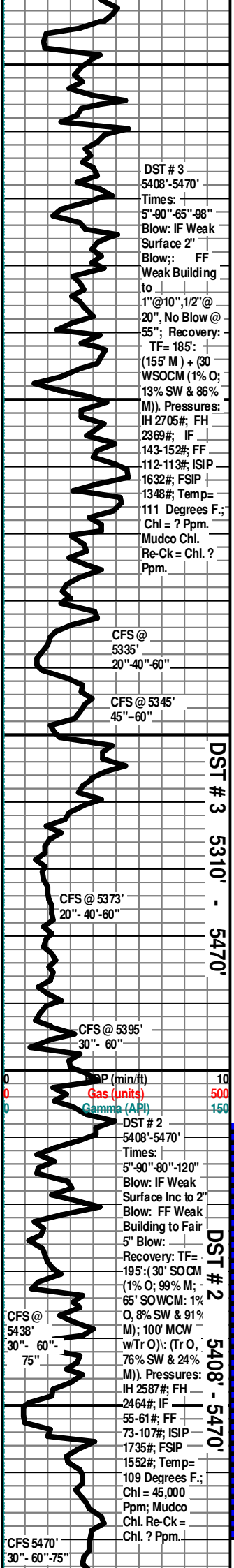
ROP (min/ft) 10
Gas (units) 500
Sigma (API) 150

Mudco Ck @ 5195' @ 7:55 AM 8/06/11 Vis 59; Wt 9.3#; Pv 14; Yp 16; WL 12.0 Cake 1; Chl = 9200; Cal 20; Sol 6.6%; LCM=0# DMC=\$ 1971.55 CMC=\$ 18,462.00

Gas Kick= 36 Units. Bkgd Gas = 24 Units.

Shale Gas Kick = 46 Units

Bkgd Gas = 40 Units



Por Cht Wky-Smoky Gry Op Banded Shp Vit Pyr Mass Sh Blk Carb-Char-Grn Soft-Fissil No Odor Sli Tr ? Min Flor No Stn NS

5250
Ls Crm-Tan-Gry Fxln w/Poor lXln Por Pyr Mass Sh Blk Carb-Char-Grn Soft-Fissil No Odor Sli Tr ? Min Flor No Stn NS

Sh Blk Carb-Char-Grn-Red Soft-Fissil Ls Crm-Wht Fxln w/Poor lXln Por Chalk Wht Cht Wht-Tan Op Shp Vit Pyr Mass No Odor Sli Tr ? Min Flor No Stn NS

Ls Crm-Tan-Wht Fxln w/Poor-Fair lXln Por Grad OOL w/OOL in pl V Poor InterOOL Por Poor Dissolution Poor Develop Chalk Wht Cht Wht-Tan Op Shp Vit Sh Char-Gry-Grn-Blk Carb Soft-Fissil No Odor Sli Tr ? Min Flor No Stn NS

Ls Crm-Wht Fxln w/Poor-Fair lXln Por Grad OOL w/OOL in pl V Poor InterOOL Por Poor Dissolution Poor Develop Chalk Wht Cht Wht Fos (Spic inclus) Op Shp Vit Sh Char-Gry-Grn-Blk Carb Soft-Fissil No Odor Sli Tr ? Min Flor No Stn NS

Sh Blk Carb-Char-Grn-Red Soft-Fissil Ls Crm-Tan-Gry Fxln w/Poor lXln Por Chalk WhtTr Cht Tan Op Shp Vit Pyr Mass Tr No Odor No Flor No Stn NS

Ls Crm-Tan-Gry Fxln w/Poor lXln Por Chalk Wht Tr Cht Wht-Tan Op Shp Vit Pyr Mass Sh Blk Carb-Char-Grn-Soft-Fissi Tr No Odor Sli ? Min Flor No Stn NS

INOLA 5314' (- 2853)

20" CFS @ 5335' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Fos (Crin) Chalk Wht Sh Blk Carb-Char-Grn Fissil No Odor Sil Scatt ? Min Flor No Stn NS

40" CFS @ 5335' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Fos (Crin) Chalk Wht Sh Blk Carb-Char-Grn Fissil No Odor Sil Scatt ? Min Flor No Stn NS

? Morrow Sh 5334' (- 2873)

60" CFS @ 5335' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Fos (Crin, Brach) Chalk Wht Sh Blk Carb-Char-Grn Fissil No Odor Sil Scatt ? Min Flor Tr Dead Stn (Lt Brn Only 2 Pcs) NS

45" CFS @ 5345' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Tr Qtz SS Wht VFGrn Well-Sort Barren Fos (Brach) Chalk Wht-Tan Sh Blk Carb-Char-Aqua-Grn Fissil ? Faint Odor Sil Scatt ? Min Flor NS

60" CFS @ 5345' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Tr Qtz SS Wht VFGrn Well-Sort Barren (Few Pcs) Chalk Wht Sh Blk Carb-Char-Aqua-Blu-Grn Fissil No Odor Sil Scatt ? Min Flor NS

75" CFS @ 5345' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Tr Qtz SS Wht VFGrn Well-Sort Barren (4 Pcs) Friable-Dns CaCo3 Cmt Matrix Chalk Wht Fos (Brach, Crin) Sh Blk Carb-Char-Aqua-Blu-Grn Inc Fissil No Odor Sil Scatt ? Min Flor NS

20" CFS @ 5373' Ls Crm Fxln Poor lXln Por Tr Ls Crm Fxln w/Tr Pin-Pt Poor Por w/SSG & SSO (Lt Brn) Stn SFO w/Broken Under Heat) (Does Not Flor) Sh Vari-colored Char-Olive-Maroon- Aqua-Red Soft-Fissil No Odor Scat ? Min Flor Tr Sil Scatt Brn Stn VSSG/VSSO

40" CFS @ 5373' Sh Vari-Colored AA LS AA No Odor Tr Stn AA Sil Tr ? Min Flor NS

60" CFS @ 5373' Sh Vari-Colored AA LS AA Qtz Ss w/ Blk Inclus Dns FGm Barren Wht Cht Wht Op Shp Vit Sil Tr ? Min Flor No Odor Tr Stn (Ls AA) NS

30" CFS @ 5395' Ls Wht-Crm Fxln Poor lXln Por Cht Wht-Gry Op Shp Vit Pyr Mass Tr Qtz SS Wht FGm Well-Sort Barren (2 Pcs) Friable w/CaCo3 Cmt Matrix Chalk Wht Fos (Brach, Crin) Sh Blk Carb-Char-Aqua-Grn-Olive Fissil No Odor No Flor NS

60" & 75" CFS @ 5395' Ls Wht-Crm Fxln Poor lXln Por Grad Fair OOL Por (1 Pcs) w/OOL in pl (w/ Pyr Inclus) Cht Wht-Tan Op Shp Vit Pyr Mass Sh Char- Tr-Grn Fissil No Odor No Flor NS

MISSISSIPPIAN 5397' (- 2936)

Cht Wht Op Vit Shp Ls Crm Fxln Micritic w/ Cht Inclus Qtz Ss Gry F-MGrb Sub Angular Fair Sorting w/SSG (Under Heat) Pyr Mass Sh Char-Gry-Red Dec fissil ? Faint Odor Sli Stn (Lt Brn-No Flor) in Ss Sil ? Min Flor in Cht & Micritic LS VSSGS

Cht Wht Op Vit Shp Ls Crm Fxln Micritic w/ Cht Inclus Grad F-MXln Por w/Pyr Inclus Pyr Also Mass Sh Char-Gry-Red Decfissil Fos (Brach) No Odor No Stn Sil ? Min Flor in Cht & Micritic Ls NS

30" CFS @ 5438' Ls Crm Fxln Micritic w/ Cht Inclus Grad F-MXln Por w/Pyr Inclus Tr Ls Wht OOL w/OOL in pl Poor-Fair InterOOL Por Barren Cht Wht-Tan Op Vit Shp w/ ? Frac Por Tr Pin-Pt Vug Leaching (w/Tr 1 Pc w/Dead Blk Stn) Fos (Brach) Sh Blk Carb-Char-Aqua-Grn-Olive Dec Fissil No Odor ? Sil Scatt? Min Flor VSS

60" CFS @ 5438' Ls Crm Fxln Micritic AA w/ Cht Inclus Grad F-MXln Por w/Pyr Inclus Tr Ls Wht OOL w/OOL in pl Fair-Med InterOOL Por w/Scat Flor Tr Stn (Lt Brn) Poor to Fair Dissolution Cht Wht-Tan Op Vit Shp Fos (Brach) Sh Blk Carb-Char-Aqua-Grn-Olive Dec Fissil No Odor ? Sil Scatt? Min Flor SSG/SSO

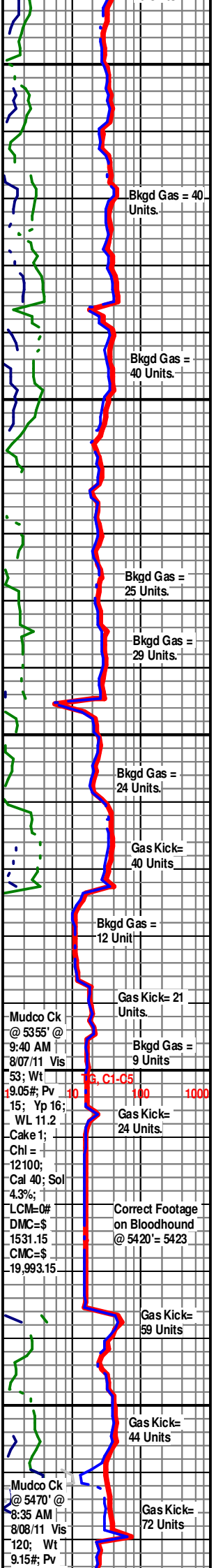
75" CFS @ 5438' Ls Wht OOL w/OOL in pl Fair-Med InterOOL Por w/Scat Flor Tr Stn (Lt Brn) Poor to Fair Dissolution w/SG Tr/FSO Stn Aound OOL Poor-fair Dissolution Ft Odor Fair-Med SG/SO w/SFO in Tray (Both Gas & Oil Flor) Cht AA Fos AA Sh AA F-M SG/SO

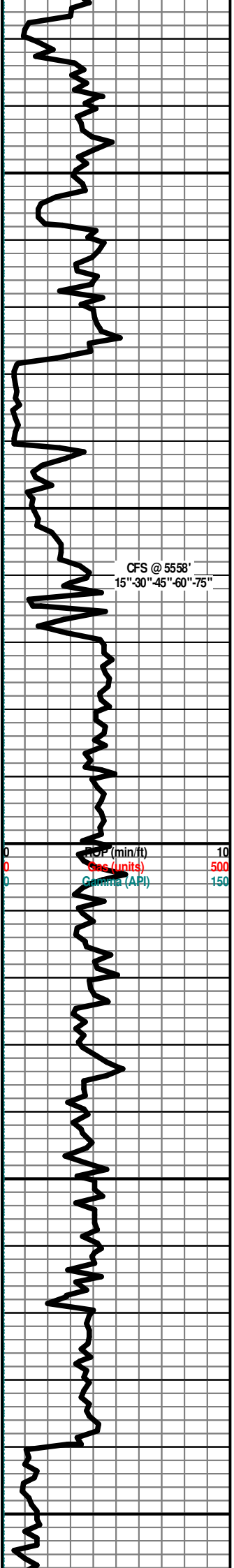
Ls Wht Fxln-MXln Por w/Pyr Inclus w/Tr Med Vug Leaching Por w/SG w/Sli Stn Grad OOL Por (Small-Med Ooids) w/ Scatt Stn w/SG (Under Heat) Faint Odor Sil Scatt Flor (Lt Grn) Sh AA SSG

30" CFS @ 5470' Ls Wht Fxln-MXln Por w/Pyr Inclus w/Tr Fair Vug Leaching Por Dec w/SSG w/Sli Stn Grad OOL Por (Small-Med Ooids) w/ Sil Scatt Stn w/SSG (Under Heat) (Only Few Pcs) Grad Fxln Micrite Decreasing Show ? Faint Odor Tr, Sil Scatt Flor (Lt Grn) Cht Wht Op Shp Vit Fos (Brach) Sh AA Dec SSG/SSO

60" & 75" CFS @ 5438' Ls Wht Fxln Micritic Por w/Pyr Inclus w/Tr Poor Vug Leaching Por Dec w/SSG w/Sli Stn Grad OOL Por (Few Pcs w/ Small-Ooids) w/ Scatt Stn w/SG (Under Heat) (Only Few Pcs) Grad Fxln Micrite Decreasing Show ? Dec Faint Odor Tr, Sil Scatt Flor (Lt Grn) Tr Stn Dec AA Fos (Brach) VSSO/ ? SG

Ls Wht Fxln Micritic Por w/Pyr Inclus Poor lXln Por Tr OOL Por Poor interOOL Por Poor Develop





Poor Dis (Tr 1 Pc) Poor Vug Por W tr Dead Stn (Drk Blk) Cht Wht-Gry Op Shp Vit Abd Pyr Mas Abd Sh Char-Gry Grn Soft-Fissil No Stn ? Faint Odor Tr, Poor ? Min Flor (Few Pcs/ Pale Lt Grn) NS

Ls Wht Fxln Micritic Por w/Pyr Includ Poor Ixln Por Cht Wht-Gry Op Shp Vit Abd Pyr Mas Abd Sh Char-Gry Grn Soft-Fissil No Stn No Odor Tr, Sil Scatt ? Min Flor (Few Pcs/ Pale Lt Grn) NS

Ls Wht Fxln Micritic Por w/Pyr Includ Poor Ixln Por Cht Wht-Gry Op Shp Vit Abd Pyr Mas Abd Sh Char-Gry Grn Soft-Fissil No Stn No Odor Tr, Sil Scatt ? Min Flor (Few Pcs/ Pale Lt Grn) NS

15" CFS @ 5558' Ls Crm Wht Fxln Micrite Grad OOL Por Poor InterOOL Por Poor Develop Poor Dis Cht Wht Op Shp Vit Pyr Mass Sh Char- Gry Soft-Fissil No Odor Tr Stn (Dead Blk 2 Pcs) ? Sli Min Flor NS

30" CFS @ 5558' Ls Wht-Crm OOL Por w/Poor InterOOL Por Poor Develop Poor Dis Grad Ls Crm Wht Fxln Micrite Cht Wht Op Shp Vit AA Pyr Mass Sh Char-Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs Lt Grn) NS

45" CFS @ 5558' Ls Wht-Crm OOL Por w/Poor InterOOL Por Abd Poor Develop Poor Dis Tr Lg Vug Leaching w/ Tr Drk Blk STn (Dead Stn) GradLs Crm Wht Fxln Micrite Grad Cht Wht Op Shp Vit AA Pyr Mass Sh Char- Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs Lt Grn) NS

60" CFS @ 5558' Ls/Dolo Wht-Crm OOL Por w/Good InterOOL Por Abd Med-Good Develop Med-Good Dis Grad Tr Ls Crm Wht Fxln Micrite AA Cht Wht Op Shp Vit AA Pyr Mass (Fos (Gastro w/ Pyr) Sh Char- Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs Lt Grn) NS

75" CFS @ 5558' Ls/Dolo Wht-Crm OOL Por w/Good InterOOL Por Abd Poor Develop Poor Dis Tr Lg Vug Leaching w/ Tr Drk Blk STn (Dead Stn) Grad Ls Crm Wht Fxln Micrite Grad Cht Wht Op Shp Vit AA Pyr Mass Sh Char- Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs Lt Grn) NS

Dolo/Ls Wht-Crm-Tan Fxln Micrite Poor Ixln Por Grad OOL Por AA w/InterOOL Por Dec Poor Develop Poor Dissolution Cht Wht Op Shp Vit AA Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs-Lt Grn) NS

Dolo/Ls Wht-Crm-Tan Fxln Micrite Poor Ixln Por Grad OOL Fair-Good InterOOL Porw/ OOL in pFair good Develop Fair-Good Disolution Cht Wht Op Shp Vit AA Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs-Lt Grn) NS

Dolo/Ls Wht-Crm-Tan Fxln Micrite Poor Ixln Por Grad OOL Fair - InterOOL Por AA Dec Poor Develop Poor Dissolution Cht Wht Op Shp Vit AA Fos (Crin) Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs 5% in Tray-Lt Grn) NS

Dolo/Ls Wht-Crm-Tan Fxln Micrite Poor Ixln Por Grad OOL Dec Fair- InterOOL Por AA Dec Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit AA Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (10% in Tray-Lt Grn) NS

Ls/Dolo Crm-Tan Fxln Micrite AA Poor Ixln Por Tr/OOL Por AA Dec w/Fair-Poor InterOOL "Sandy" VF Ooid Por Poor Develop Poor Dissolution Grad Chalk Wht Abd Tr/Cht Wht-Gry Op Shp Vit Dec Pyr Mass Sh Grn-Char-Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (Few Pcs-Lt Grn) NS

Ls/ Dolo Crm-Gry Fxln Micrite Poor Ixln Por Grad OOL Poor- InterOOL Por Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (15% in Tray-Lt Grn) NS

Ls/ Dolo Crm-Gry Fxln Micrite Poor Ixln Por Grad OOL Poor- InterOOL Por Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Crm-Gry Fxln Micrite Poor Ixln Por Grad OOL Poor-InterOOL Por Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (10% in Tray-Lt Grn) NS

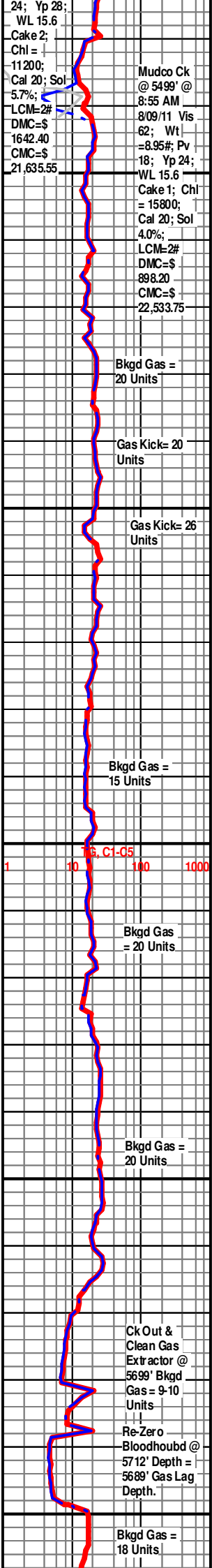
Ls/ Dolo Crm-Gry Fxln Micrite Poor Ixln Por Grad OOL Poor-InterOOL Por Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (10% in Tray-Lt Grn) NS

Sh Grn Abd-Gry- Char-Blk Carb-Olive Soft-Fissil Ls/ Dolo Wht-Crm Fxln Micrite Poor Ixln Por Grad OOL Poor-InterOOL Por Poor Develop Poor Dissolution Chalk Wht Cht Wht-Gry-Transp-Op Shp Vit Tr Pyr Mass Xls Sh Char-Gry-Grn-Olive Soft-Fissi No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Crm-Gry Fxln Micrite Poor Ixln Por Grad OOL Por w/Poor-InterOOL Por Poor Develop Poor Dissolution Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (10% in Tray-Lt Grn) NS

Ls/ Dolo Wht-Crm-Gry Fxln Micrite w/Poor Ixln Por Grad OOL Por w/Good-InterOOL Por Med-Good Develop Med-Good Disolution ? Frac Por Cht Wht-Gry Op Shp Vit Pyr Mass Sh Char-Gry-Grn-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Wht-Crm-Gry OOL Por w/Med-Good-InterOOL Por Med-Good Develop Med-Good Disolution ? Frac Por Grad Ls Wht-Crm Fxln Micrite w/Poor Ixln Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive





Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Wht-Crm-Gry OOLTr/Por w/Med-Good-InterOOL Por Med-Good Develop Med-Good Disolution Grad Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Grad Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Wht-Crm-Gry Grad OOL w/Tr Dec Por w/Med-InterOOL Por Med Develop Med Disolution Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Wht-Crm-Gry OOL Por w/Med-Good-InterOOL Por Med-Good Develop Med-Good Disolution ? Frac Por Grad Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls/ Dolo Wht-Crm-Gry OOL Por w/Med-Good-InterOOL Por Med-Good Develop Med-Good Disolution ? Frac Por Grad Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil V Abd Ls/ Dolo Wht-Crm-Gry Tr/OOL Por w/Med InterOOL Por Med Develop Med Disolution Por Grad Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Sh Char-Gry-Grn-Drk Red-Abd Soft-Fissil Ls Wht-Crm Fxn Micrite w/Poor IxIn Por Grad Ls/ Dolo Wht-Crm-Gry Tr/OOL Por w/Med InterOOL Por Med Develop Med Disolution Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Sh Char-Gry-Grn-Drk Red Soft-Fissil Ls Wht-Crm Fxn Micrite w/Pyr Inclus Poor IxIn Por Grad Ls/ Dolo Wht-Crm-Gry OOL Por w/Fair InterOOL Por Fair Develop Fair Disolution Por Cht Wht-Gry Op Shp Vit Pyr Mass Chalk Wht No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Ls Wht-Crm Fxn Micrite w/Pyr Inclus Poor IxIn Por Grad Tr Ls/ Dolo Wht-Crm-Gry Fxn Por w/Fair IxIn Por Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

? COWLEY FACIES 5834' (- 3373)

Dolo Wht-Crm-Gry Sucrosic Por w/Fair IxIn Por Wht-Gry Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Lt/Drk Red Soft-Fissil Tr Olive No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Dolo Wht-Crm-Gry Sucrosic Por IxIn Por Grad LS Wht-Crm-Gry w/Grn (? Glacu) Inclus Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Dolo/Ls Wht-Crm-GrySucrosic Por IxIn Por Grad LS Gry w/Grn (? Glacu) Inclus AA Cht Wht Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red Soft-Fissil No Odor No Stn ? Sli Min Flor (5% in Tray-Lt Grn) NS

Dolo/Ls Gry-Crm-Wht Fxn Sucrosic Por Poor IxIn Por Tr LS AA Crm-Gry w/Grn (? Glacu) Inclus Cht Wht Op Shp Vit Tr/Pyr Mass Fos (Crin) Sh Char-Gry-Grn-Drk Red Soft-Fissil No Odor No Stn ? Sli Min Flor (< 5% in Tray-Lt Grn) NS

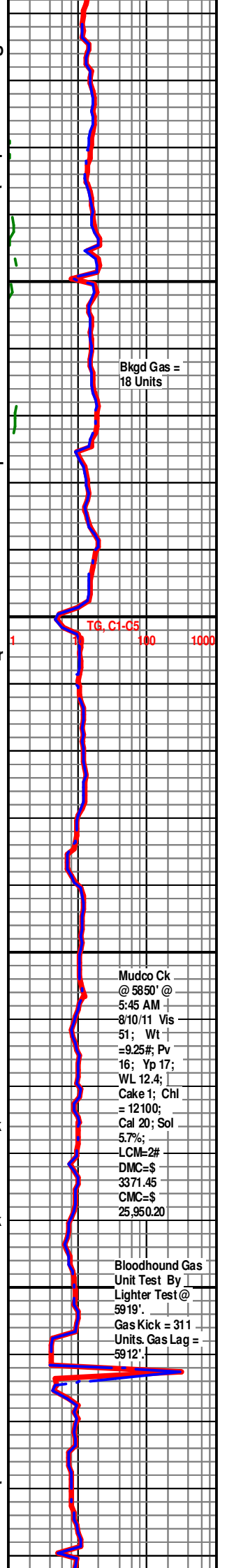
Dolo/Ls Gry-Crm-Wht Fxn Sucrosic Por Poor IxIn Por Tr LS AA Crm-Gry w/Grn (? Glacu) Inclus Cht Wht Op Shp Vit Tr/Pyr Mass Fos (Crin) Sh Char-Gry-Grn-Drk Red Soft-Fissil No Odor No Stn ? Sli Min Flor (< 5% in Tray-Lt Grn) NS

Dolo/Ls Gry-Crm-Wht Fxn Sucrosic Por Poor IxIn Por Tr LS Crm-Gry OOL Por Poor InterOOL Por Poor Develop Pyr Mass Abs Cht Wht Op Shp Vit Fos (Fuss) Sh Char-Gry-Grn-Drk Red Soft-Fissil No Odor No Stn ? Sli Min Flor (< 5% in Tray-Lt Grn) NS

Dolo/Ls Gry-Crm-Wht Fxn Sucrosic Por Poor IxIn Por Tr LS Crm-Gry Dec Fxn Micrite Pyr Mass Abs Cht Wht Op Shp Vit Fos (Fuss) Sh Char-Gry Soft-Fissil No Odor No Stn ? Sli Min Flor (< 5% in Tray-Lt Grn) NS

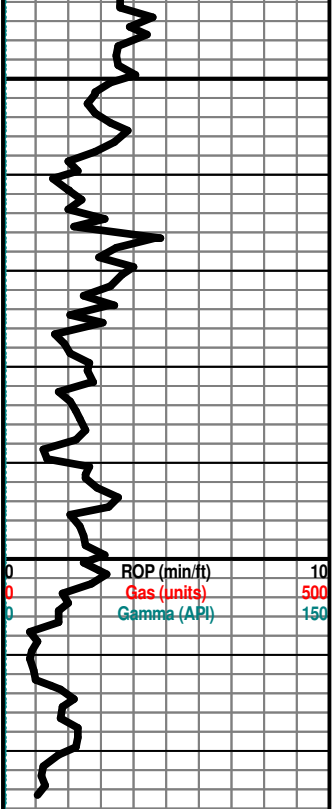
Sh Char-Gry-Red Soft-Fissil Dol Gry Fxn Micrite Poor IxIn Por Grad Ls/ Dolo Crm-Wht Fxn Por w/Poor IxIn Por Cht Wht Op Shp Vit Pyr Mass Tr Chalk Wht Tr No Odor No Stn No Flor NS

Sh Char-Gry-Red-Drk Red Soft-Fissil Dol Gry Fxn Micrite AA Poor Fxn IxIn Por Grad Ls Crm-Wht Fxn Por w/Poor IxIn Por Tr/OOL Por Poor Pot AA Cht Wht Op Shp Vit Pyr Mass Chalk Wht Sh Char-Gry-Grn-Drk Red-Olive Soft-Fissil No Odor No Stn ? Sli Min Flor (< 5% in Tray-Lt Grn) NS

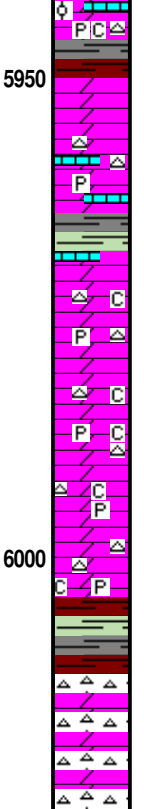


Mudco Ck
@ 5850' @
5:45 AM
8/10/11 Vis
51; Wt
=9.25#; Pv
16; Yp 17;
WL 12.4;
Cake 1; Chl
= 12100;
Cal 20; Sol
5.7%;
LCM=2#
DMC=\$
3371.45
CMC=\$
25,950.20

Bloodhound Gas
Unit Test By
Lighter Test @
5919'.
Gas Kick = 311
Units. Gas Lag =
5912'.



R.T.D. = 6025' (- 3564)
 L.T.D. = 6027' (- 3566)



Shp Vit Pyr Mass Tr Chalk Wht Tr No Odor No Stn No Flor NS

5950
 Sh Char-Gry-Red-Drk Red Soft-Fissil Dol Gry Fxln Micrite Grad Fxln Poor-Fair Fxln Por w/Poor lxln Por Cht Wht Op Shp Vit Pyr Mass Tr Chalk Wht Tr No Odor No Stn No Flor NS

P
 Sh Char-Gry-Grn-Red-Drk Red Soft-Fissil Dol Gry Fxln Micrite Grad Fxln Poor-Fair Fxln Surosic Por Tr Ls Wht OOL Por w/ /Tr Vug Leaching Cht Wht Op Shp Vit Pyr Mass Tr Chalk Wht Tr No Odor No Stn No Flor NS

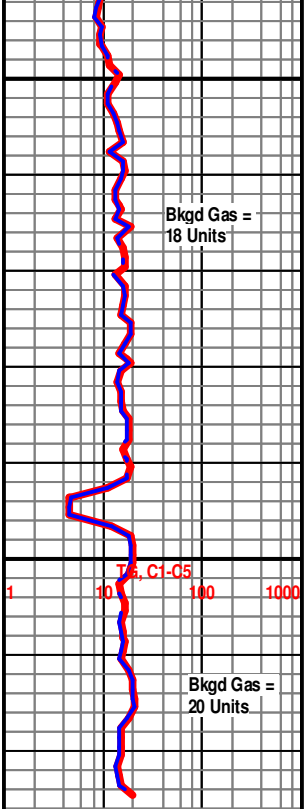
Dol Gry Fxln Micrite Grad Fxln Poor-Fair Fxln Surosic Por Sh Char-Gry-Grn-Red-Drk Red Soft-Fissil Cht Wht Op Shp Vit Pyr Mass Tr Ls Crm-Wht Fxln Micrite Chalk Wht Tr No Odor No Stn No Flor NS

Dol Gry Fxln Micrite Grad Fxln Poor-Fair Mxln Por w/ Tr Lg Vug Xln Por Sh Char-Gry-Grn-Red-Drk Red Soft-Fissil Cht Wht Op Shp Vit Pyr Mass Tr Ls Crm-Wht Fxln Micrite Chalk Wht Tr No Odor No Stn No Flor NS

30" CFS @ 6015' Sh Char-Gry-Grn-Red-Drk Red Abd Soft-Fissil Dol Gry Fxln Micrite Grad Fxln Poor-Fair Fxln Surosic Por Tr Ls Wht OOL Por w/ /Tr Vug Leaching Cht Wht Op Shp Vit Pyr Mass Tr Chalk Wht Tr No Odor No Stn No Flor NS

6000
 60" CFS @ 6015' Dol Gry Fxln Micrite Grad Fxln Poor-Fair Mxln Por Tr Cht Wht Op Shp Vit Inc Sh Char-Gry-Grn-Red-Drk Red Soft-Fissil Pyr Mass No Odor No Stn No Flor NS

75" CFS @ 6015' Dol Gry Fxln Micrite Grad Fxln Poor-Fair Mxln Por Cht Wht Op Shp Vit V Abd Sh Char-Gry-Grn-Red-Drk Red Soft-Fissil Pyr Mass No Odor No Stn No Flor NS



6050

6100

6150

0 ROP (min/ft) 10
0 Gas (units) 500
0 Gamma (API) 150

6200

6250

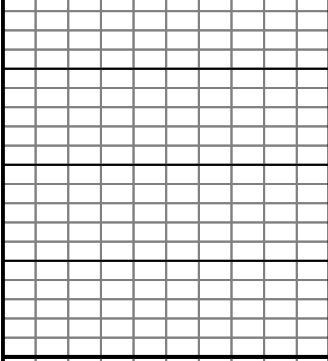
6300

6350

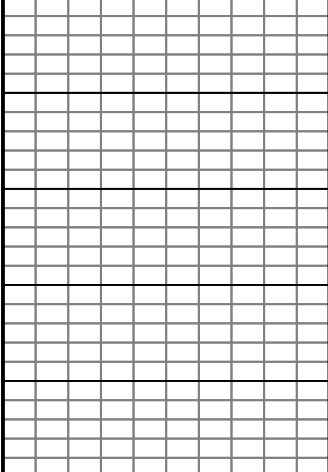
6400

TG, C1-C5
1 10 100 1000

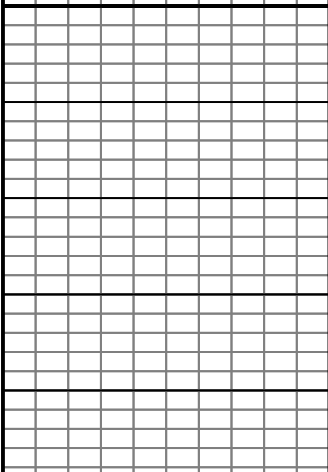
TG, C1-C5
1 10 100 1000



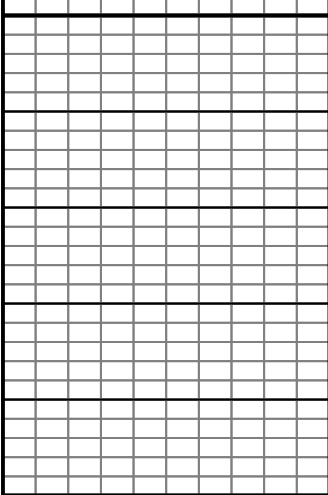
6450



6500



6550



6600

