



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1097818
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

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

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

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



1097818

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

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

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

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

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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

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

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

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

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

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	Ruby 1-X
Doc ID	1097818

All Electric Logs Run

Density/Neutron
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	White Exploration, Inc.
Well Name	Ruby 1-X
Doc ID	1097818

Tops

Name	Top	Datum
Heebner	4150	-1308
Stark Shale	4654	-1812
Marmaton	4814	-1972
Pawnee	4912	-2017
Cherokee	4960	-2118
Atoka	5062	-2220
Morrow Shale	5216	-2374
Mississippi	5470	-2628

Attached to and Made a Part of
ACO-1 Form for
WHITE EXPLORATION, INC.
RUBY #1-X
1335' FNL and 1955' FEL
Section 8-30S-31W
Haskell County, Kansas
API# 15-081-22002-00-00

Surface Casing Cement

Cemented with 485 sacks A-Con Cement with 3% CC and ¼# Celloflake/sack and 150 sacks of Premium Plus Cement with 2% CC and ¼# Celloflake/sack.



BASIC™
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer Whit. Expedition Lease No. _____ Date 10-4-12

Lease Ruby Well # NX Service Receipt _____

Casing 8 5/8 Depth _____ County WEL State KS

Job Type 8 5/8 Surface Formation _____ Legal Description 6-30-31

Pipe Data

Perforating Data

Cement Data

Casing size 8 5/8 Tubing Size TRB Shots/Ft _____

Depth 1981.91E Depth _____ From _____ To _____

Volume 123.375185E Volume _____ From _____ To _____

Max Press _____ Max Press _____ From _____ To _____

Well Connection _____ Annulus Vol. _____ From _____ To _____

Plug Depth 1939.56E Packer Depth _____ From _____ To _____

Service Log

Time _____ Casing Pressure _____ Tubing Pressure _____

1230 _____ Bbls. Pumped _____ Rate _____

1245 _____ _____ _____ _____

1259 1500 _____ _____ _____

1307 200 255 5 _____

1359 200 36 5 _____

1408 _____ _____ _____ _____

1419 200 0 5 _____

1432 500 103 2/1 _____

1449 500-1000 123 _____

1449 1000-0 _____ _____

Do Locat on - Spot & Pump
Casing on bottom - Break Circ.
Safety Meeting
Pressure Test 114
Mx 485 sk Alcon @ 1480 PPG
Mx 150 sk Rom Plus 148 PPG
Shut Down - Dm top plug
Start Displacement
Slow Rate
Bump Plug
Release Pressure - Float Held
Circulate Cement to the pit

Service Units	Driver Names	3811119	3302119	1435519	141254
	<u>K. G.</u>	<u>Ed</u>	<u>Vicki</u>	<u>Hester</u>	

Customer Representative

Station Manager

Cement

Taylor Printing, Inc.

Customer: <i>White Exploration</i>			Lease No.	Date: <i>10/15/12</i>	
Lease: <i>Reby</i>	Well #	County: <i>Haskell</i>		State	Service Receipt: <i>2012</i>
Casing: <i>4 1/2 DP</i>	Depth: <i>2000</i>	Formation	Legal Description		
Job Type: <i>2 1/2 PTA</i>					

Pipe Data		Perforating Data		Cement Data		
Casing size	Tubing Size	Shots/Ft	Lead			
<i>DP 4 1/2</i>	Depth	From	To			
<i>2000</i>	Depth	From	To			
Volume: <i>24135</i>	Volume	From	To			
Max Press: <i>5000</i>	Max Press	From	To	<i>Tail in 1955ft @ 110</i>		
Well Connection: <i>XO</i>	Annulus Vol.	From	To	<i>1.55125in 1802</i>		
Plug Depth: <i>200</i>	Packer Depth	From	To	<i>7.56ft 54 13.5 #</i>		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
<i>3:00</i>					<i>Arrive On location</i>	
<i>9:00</i>					<i>Start Mixing - 11:30p</i>	
<i>10:15</i>			<i>1.0</i>	<i>1.0</i>	<i>Passer Test</i>	
<i>10:30</i>			<i>2.0</i>	<i>2.0</i>	<i>Run out @ 15.5 # @ 200'</i>	
<i>11:00</i>			<i>2.0</i>	<i>4.0</i>	<i>Displace</i>	
<i>11:40</i>			<i>1.5</i>	<i>1.0</i>	<i>Run out @ 13.5 # @ 710'</i>	
<i>12:00</i>			<i>8</i>	<i>1.0</i>	<i>Displace</i>	
<i>13:30</i>			<i>6</i>	<i>1.0</i>	<i>Run out @ 13.5 # @ 600'</i>	
<i>14:00</i>			<i>2</i>	<i>4.0</i>	<i>Displace</i>	
<i>15:00</i>			<i>1.5</i>	<i>4.0</i>	<i>Mix. Not + Mass Wts</i>	
					<i>Connect To Surface</i>	
					<i>Thanks For Using Brown Energy Services</i>	
Service Units	<i>198620</i>	<i>20847-19576</i>	<i>11344-19578</i>			
Diver Names	<i>J. Moore</i>	<i>Eddie</i>	<i>Victor R</i>			

Kelly

Ray Brock

James L. Moore

Customer Representative

Station Manager

Cementer



DRILL STEM TEST REPORT

Prepared For: **White Exploration Inc**

2400 N Woodlawn Ste 115
Wichita, KS 67220-3966

ATTN: Dave Goldak

Ruby #1-X

8-30s-31w Haskell,KS

Start Date: 2012.10.09 @ 18:05:50

End Date: 2012.10.10 @ 03:00:35

Job Ticket #: 50164 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.15 @ 11:43:45



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

White Exploration Inc
2400 N Woodlawn Ste 115
Wichita, KS 67220-3966
ATTN: Dave Goldak

8-30s-31w Haskell, KS
Ruby #1-X
Job Ticket: 50164 **DST#: 1**
Test Start: 2012.10.09 @ 18:05:50

GENERAL INFORMATION:

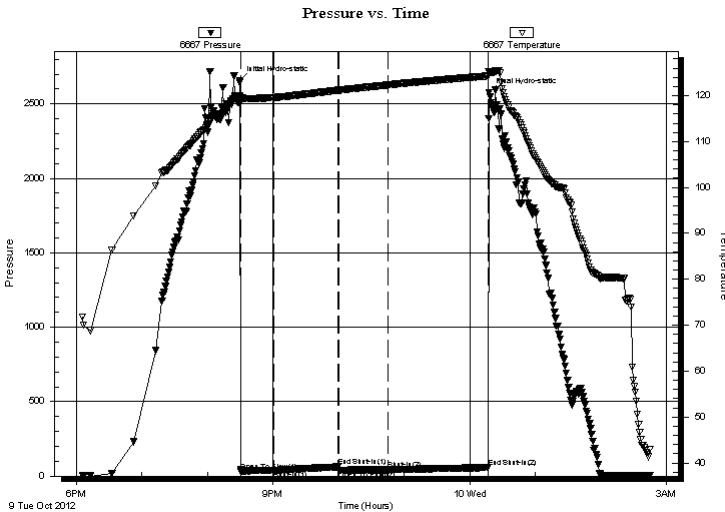
Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:30:35
Time Test Ended: 03:00:35
Interval: **5192.00 ft (KB) To 5254.00 ft (KB) (TVD)**
Total Depth: 5254.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 55
Reference Elevations: 2842.00 ft (KB)
2831.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 6667 Outside

Press @ Run Depth: 42.81 psig @ 5193.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.09 End Date: 2012.10.10 Last Calib.: 2012.10.10
Start Time: 18:05:50 End Time: 02:44:35 Time On Btm: 2012.10.09 @ 20:29:35
Time Off Btm: 2012.10.10 @ 00:17:35

TEST COMMENT: 1/4" blow died in 20 min
No return
No blow
No return

PRESSURE SUMMARY



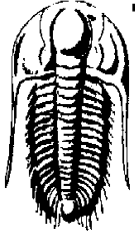
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2654.25	120.01	Initial Hydro-static
1	34.09	119.61	Open To Flow (1)
31	37.93	119.58	Shut-In(1)
90	62.62	121.18	End Shut-In(1)
91	39.71	121.18	Open To Flow (2)
136	42.81	122.33	Shut-In(2)
227	57.61	124.28	End Shut-In(2)
228	2578.25	125.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

White Exploration Inc
2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966
ATTN: Dave Goldak

8-30s-31w Haskell, KS
Ruby #1-X
Job Ticket: 50164 **DST#: 1**
Test Start: 2012.10.09 @ 18:05:50

GENERAL INFORMATION:

Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:30:35
Time Test Ended: 03:00:35
Test Type: Conventional Bottom Hole (Initial)
Tester: Shane McBride
Unit No: 55
Interval: **5192.00 ft (KB) To 5254.00 ft (KB) (TVD)**
Reference Elevations: 2842.00 ft (KB)
Total Depth: 5254.00 ft (KB) (TVD)
8031.00 ft (CF)
Hole Diameter: 7.88 inches
Hole Condition: Fair
KB to GR/CF: 11.00 ft

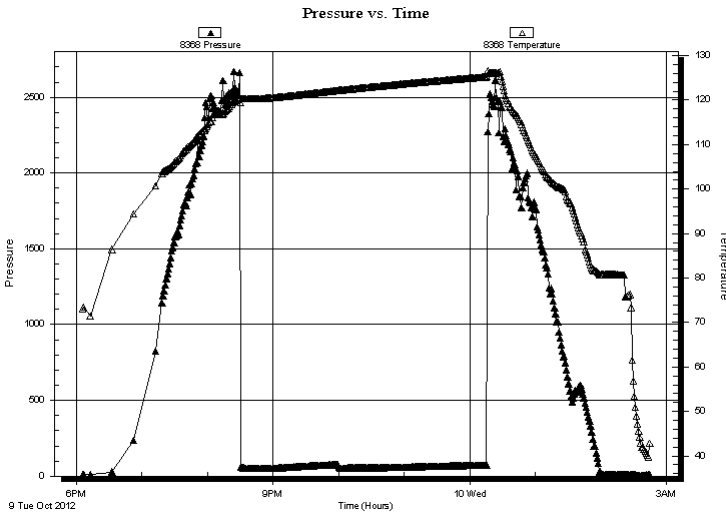
Serial #: 8368

Inside

Press @ Run Depth: psig @ 5193.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.09 End Date: 2012.10.10 Last Calib.: 2012.10.10
Start Time: 18:05:50 End Time: 02:44:35 Time On Btm:
Time Off Btm:

TEST COMMENT: 1/4" blow died in 20 min
No return
No blow
No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration Inc

8-30s-31w Haskell, KS

2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966

Ruby #1-X

Job Ticket: 50164

DST#: 1

ATTN: Dave Goldak

Test Start: 2012.10.09 @ 18:05:50

Tool Information

Drill Pipe:	Length: 4948.00 ft	Diameter: 3.80 inches	Volume: 69.41 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 234.00 ft	Diameter: 2.25 inches	Volume: 1.15 bbl	Weight to Pull Loose:	82000.00 lb
			<u>Total Volume: 70.56 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	5192.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	62.00 ft				
Tool Length:	91.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5164.00	
Shut In Tool	5.00			5169.00	
Sampler	2.00			5171.00	
Hydraulic tool	5.00			5176.00	
Jars	5.00			5181.00	
Safety Joint	2.00			5183.00	
Packer	5.00			5188.00	29.00 Bottom Of Top Packer
Packer	4.00			5192.00	
Stubb	1.00			5193.00	
Recorder	0.00	6667	Outside	5193.00	
Recorder	0.00	8368	Inside	5193.00	
Perforations	23.00			5216.00	
Change Over Sub	1.00			5217.00	
Drill Pipe	31.00			5248.00	
Change Over Sub	1.00			5249.00	
Bullnose	5.00			5254.00	62.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration Inc

8-30s-31w Haskell, KS

2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966

Ruby #1-X

Job Ticket: 50164

DST#: 1

ATTN: Dave Goldak

Test Start: 2012.10.09 @ 18:05:50

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.73 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud 100% m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

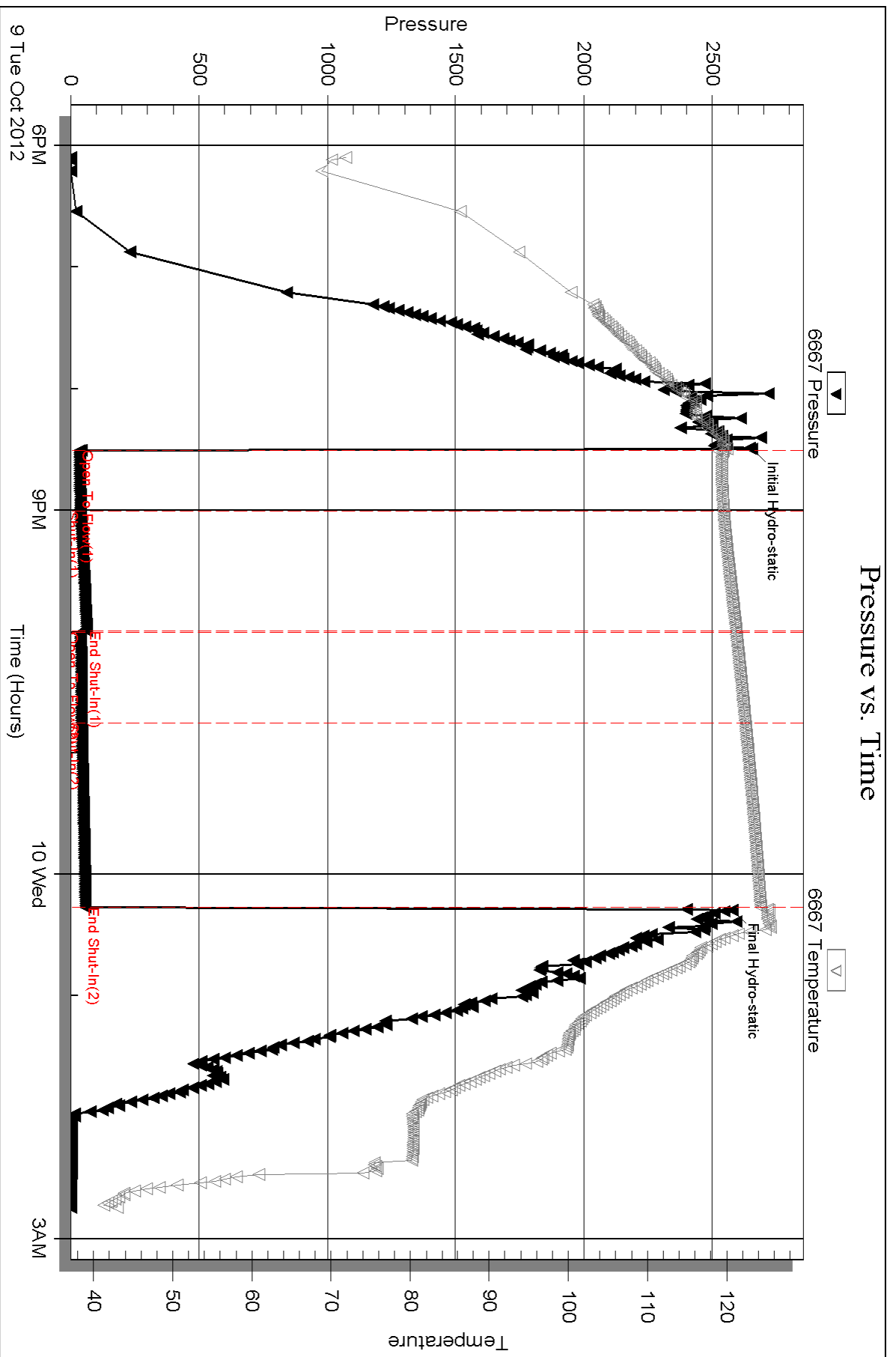
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 2000 ml mud 0 psi



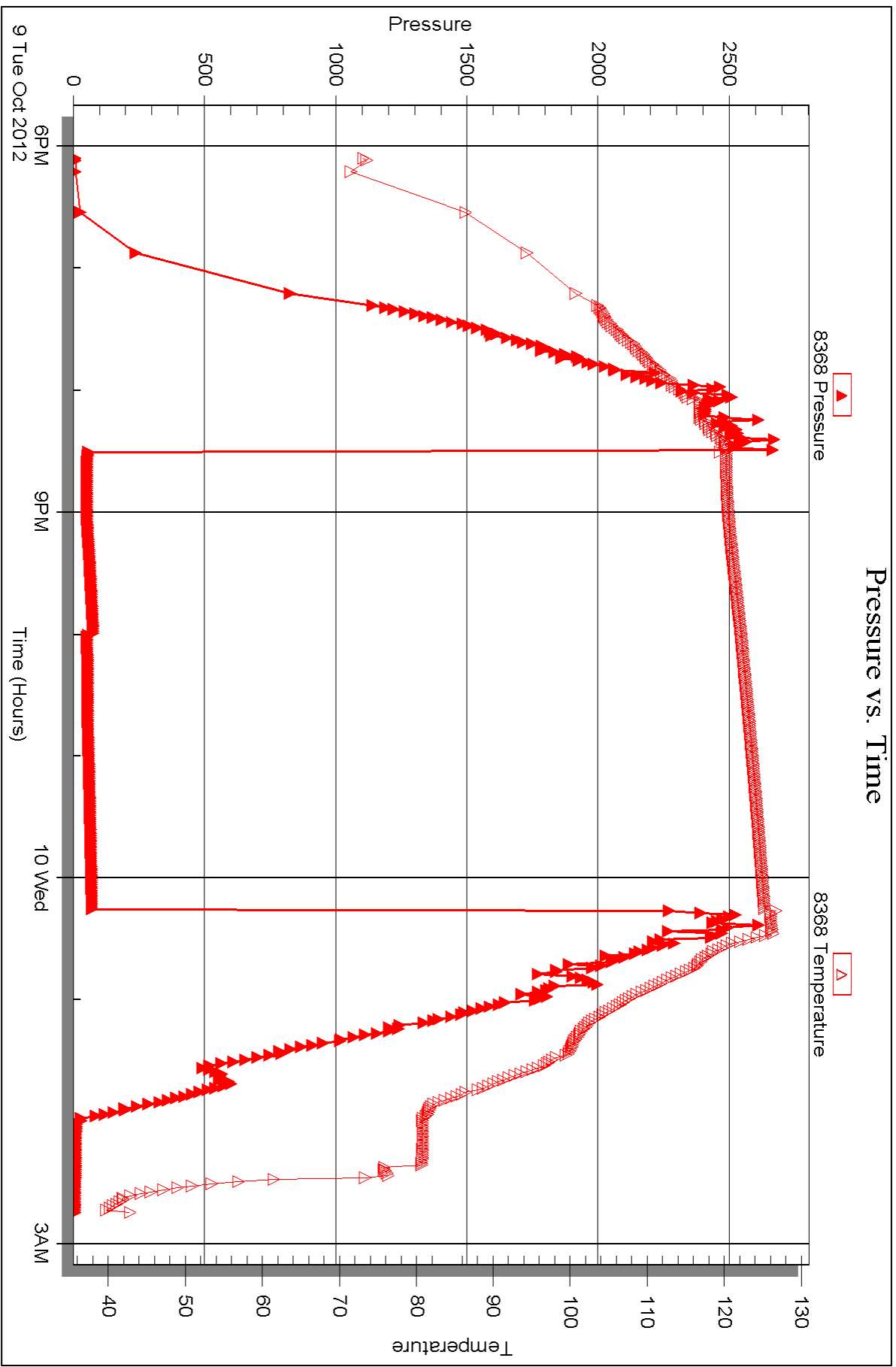
Serial #: 8368

Inside

White Exploration Inc

Ruby #1-X

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **White Exploration Inc**

2400 N Woodlawn Ste 115
Wichita, KS 67220-3966

ATTN: Dave Goldak

Ruby #1-X

8-30s-31w Haskell,KS

Start Date: 2012.10.12 @ 11:40:51

End Date: 2012.10.12 @ 21:45:51

Job Ticket #: 50165 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.15 @ 11:42:41



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

White Exploration Inc
 2400 N Woodlaw n Ste 115
 Wichita, KS 67220-3966
 ATTN: Dave Goldak

8-30s-31w Haskell, KS
Ruby #1-X
 Job Ticket: 50165 **DST#: 2**
 Test Start: 2012.10.12 @ 11:40:51

GENERAL INFORMATION:

Formation: **St. Louis**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:18:21
 Time Test Ended: 21:45:51
 Interval: **5576.00 ft (KB) To 5600.00 ft (KB) (TVD)**
 Total Depth: 5700.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2842.00 ft (KB)
 2831.00 ft (CF)
 KB to GR/CF: 11.00 ft

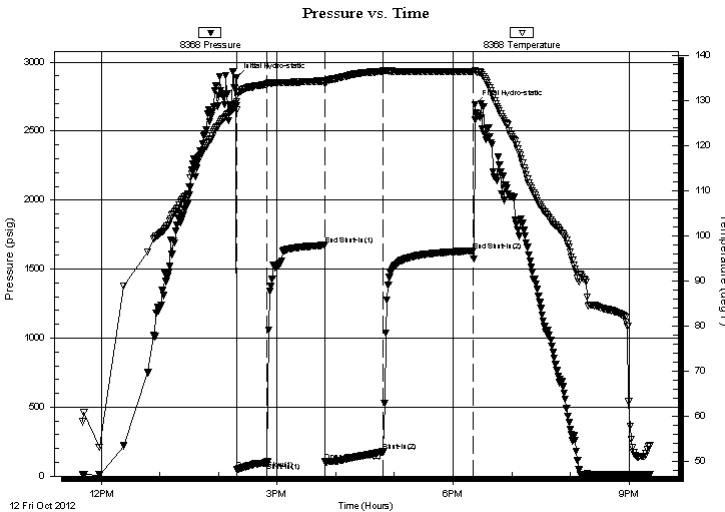
Serial #: 8368

Outside

Press @ Run Depth: 177.63 psig @ 5577.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.10.12 End Date: 2012.10.12 Last Calib.: 2012.10.12
 Start Time: 11:40:51 End Time: 21:21:51 Time On Btm: 2012.10.12 @ 14:18:06
 Time Off Btm: 2012.10.12 @ 18:22:36

TEST COMMENT: 4" blow
 No return
 3 3/4" blow
 No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2887.97	128.87	Initial Hydro-static
1	49.08	127.91	Open To Flow (1)
32	96.29	133.67	Shut-In(1)
91	1677.52	134.36	End Shut-In(1)
91	103.73	133.80	Open To Flow (2)
151	177.63	136.51	Shut-In(2)
243	1632.87	136.40	End Shut-In(2)
245	2693.73	136.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
190.00	s m c w 15% m 85% w	0.93
120.00	w c m 40% w 60% m	0.59

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

White Exploration Inc
2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966
ATTN: Dave Goldak

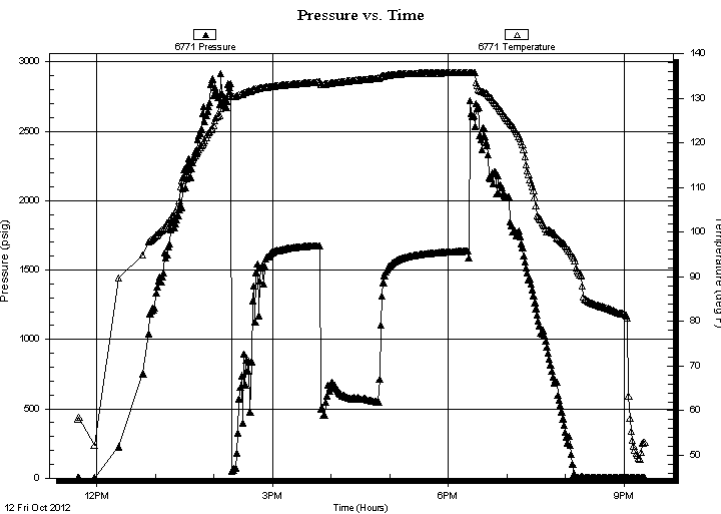
8-30s-31w Haskell, KS
Ruby #1-X
Job Ticket: 50165 **DST#: 2**
Test Start: 2012.10.12 @ 11:40:51

GENERAL INFORMATION:

Formation: **St. Louis**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Reset)
Time Tool Opened: 14:18:21 Tester: Shane McBride
Time Test Ended: 21:45:51 Unit No: 55
Interval: 5576.00 ft (KB) To 5600.00 ft (KB) (TVD) Reference Elevations: 2842.00 ft (KB)
Total Depth: 5700.00 ft (KB) (TVD) 2831.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 11.00 ft

Serial #: 6771 Below (Straddle)
Press @ RunDepth: psig @ 5603.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.10.12 End Date: 2012.10.12 Last Calib.: 2012.10.12
Start Time: 11:40:30 End Time: 21:21:15 Time On Btm:
Time Off Btm:

TEST COMMENT: 4" blow
No return
3 3/4" blow
No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	s m c w 15% m 85% w	0.93
120.00	w c m 40% w 60% m	0.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

White Exploration Inc

2400 N Woodlawn Ste 115
Wichita, KS 67220-3966

ATTN: Dave Goldak

8-30s-31w Haskell,KS

Ruby #1-X

Job Ticket: 50165 **DST#: 2**

Test Start: 2012.10.12 @ 11:40:51

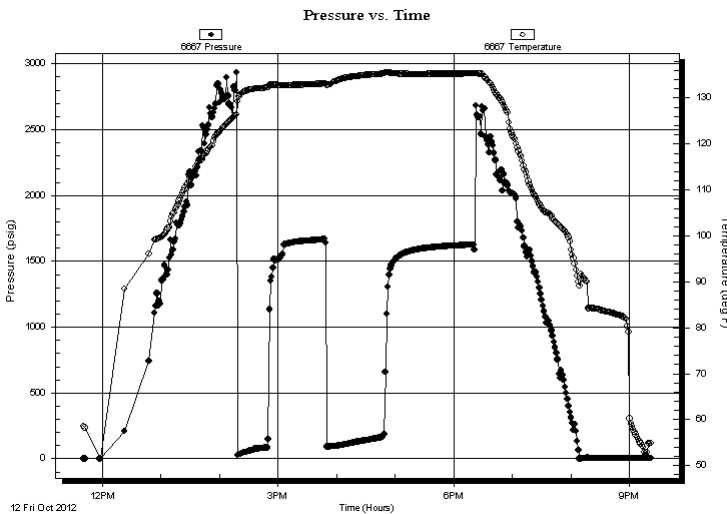
GENERAL INFORMATION:

Formation: **St. Louis**
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 Time Tool Opened: 14:18:21
 Time Test Ended: 21:45:51
Interval: 5576.00 ft (KB) To 5600.00 ft (KB) (TVD)
 Total Depth: 5700.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Straddle (Reset)
 Tester: Shane McBride
 Unit No: 55
 Reference Elevations: 2842.00 ft (KB)
 2831.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6667 Inside

Press @ Run Depth: psig @ 5577.00 ft (KB)	Capacity: 8000.00 psig
Start Date: 2012.10.12 End Date: 2012.10.12	Last Calib.: 2012.10.12
Start Time: 11:41:08 End Time: 21:21:53	Time On Btm:
	Time Off Btm:

TEST COMMENT: 4" blow
 No return
 3 3/4" blow
 No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
190.00	s m c w 15% m 85% w	0.93
120.00	w c m 40% w 60% m	0.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Exploration Inc
2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966
ATTN: Dave Goldak

8-30s-31w Haskell, KS
Ruby #1-X
Job Ticket: 50165 **DST#: 2**
Test Start: 2012.10.12 @ 11:40:51

Tool Information

Drill Pipe:	Length: 5041.00 ft	Diameter: 3.80 inches	Volume: 70.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 531.00 ft	Diameter: 2.25 inches	Volume: 2.61 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 73.32 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	5576.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	5600.00 ft			
Interval between Packers:	24.00 ft			
Tool Length:	154.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5548.00	
Shut In Tool	5.00			5553.00	
Sampler	2.00			5555.00	
Hydraulic tool	5.00			5560.00	
Jars	5.00			5565.00	
Safety Joint	2.00			5567.00	
Packer	5.00			5572.00	29.00 Bottom Of Top Packer
Packer	4.00			5576.00	
Stubb	1.00			5577.00	
Recorder	0.00	8368	Outside	5577.00	
Recorder	0.00	6667	Inside	5577.00	
Perforations	19.00			5596.00	
Blank Off Sub	1.00			5597.00	
top of s packer	3.00			5600.00	24.00 Tool Interval
Packer	1.00			5601.00	
Stubb	1.00			5602.00	
Change Over Sub	1.00			5603.00	
Recorder	0.00	6771	Below	5603.00	
Drill Pipe	92.00			5695.00	
Change Over Sub	1.00			5696.00	
Bullnose	5.00			5701.00	101.00 Bottom Packers & Anchor
Total Tool Length:	154.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

White Exploration Inc

8-30s-31w Haskell, KS

2400 N Woodlaw n Ste 115
Wichita, KS 67220-3966

Ruby #1-X

Job Ticket: 50165

DST#: 2

ATTN: Dave Goldak

Test Start: 2012.10.12 @ 11:40:51

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

31000 ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.14 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1650.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
190.00	s m c w 15% m 85% w	0.934
120.00	w c m 40% w 60% m	0.590

Total Length: 310.00 ft Total Volume: 1.524 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

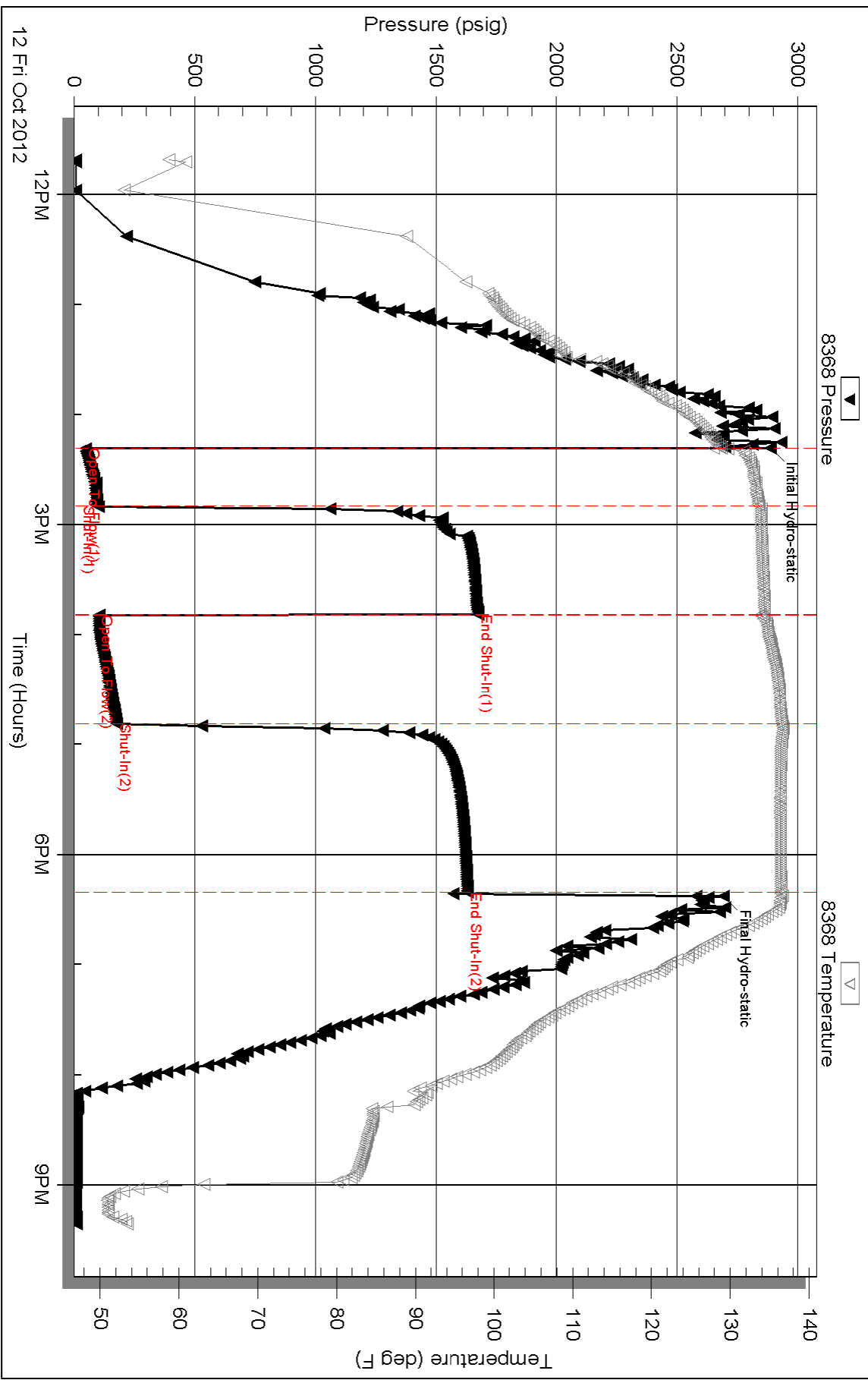
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: sampler 1000 ml mud 1000 ml water 2000 ml total 880 psi
rw .278 @ 55°f = 31,000 chlor

Pressure vs. Time

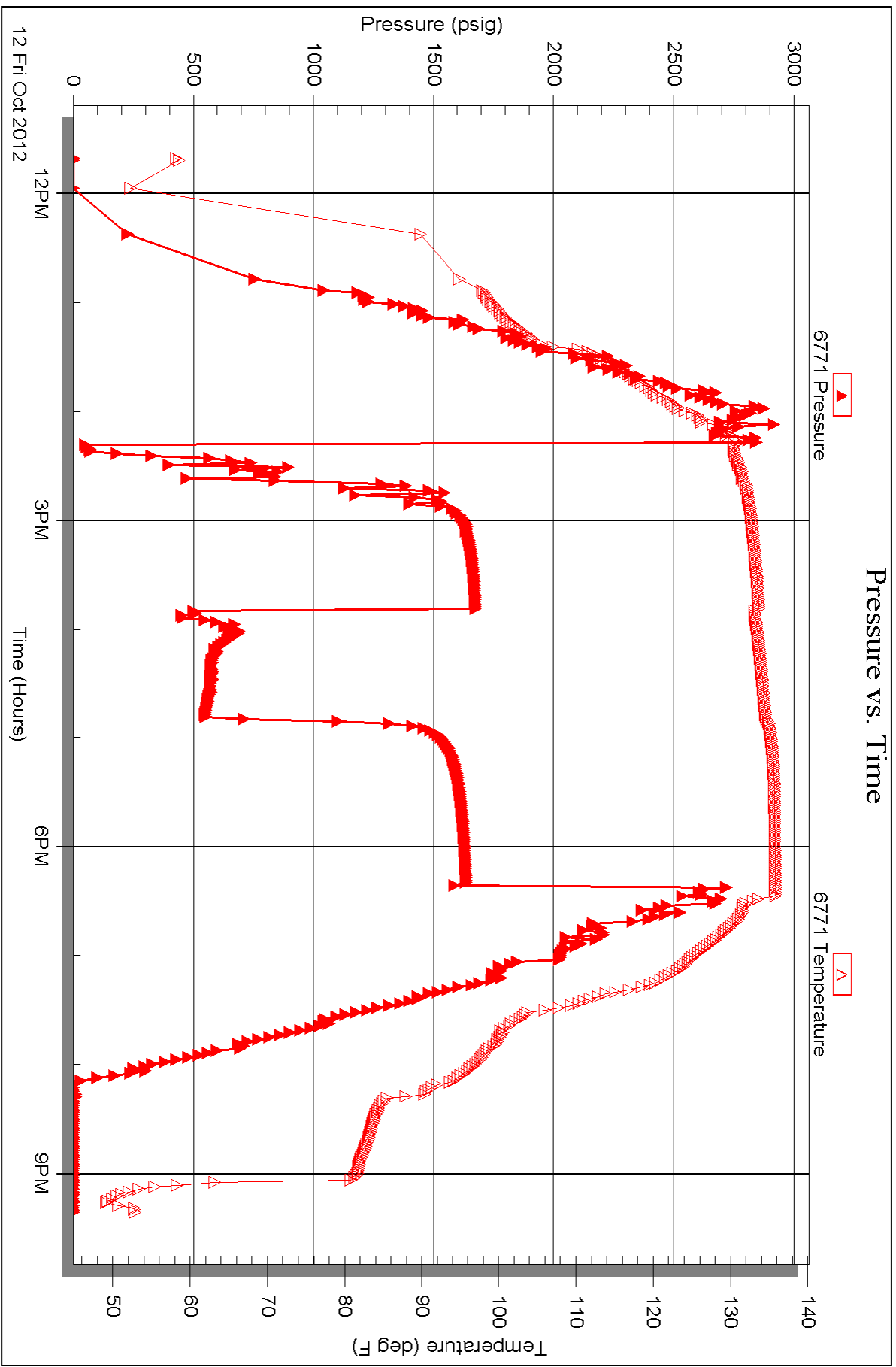


Serial #: 6771

Below (Straddle) Exploration Inc

Ruby #1-X

DST Test Number: 2



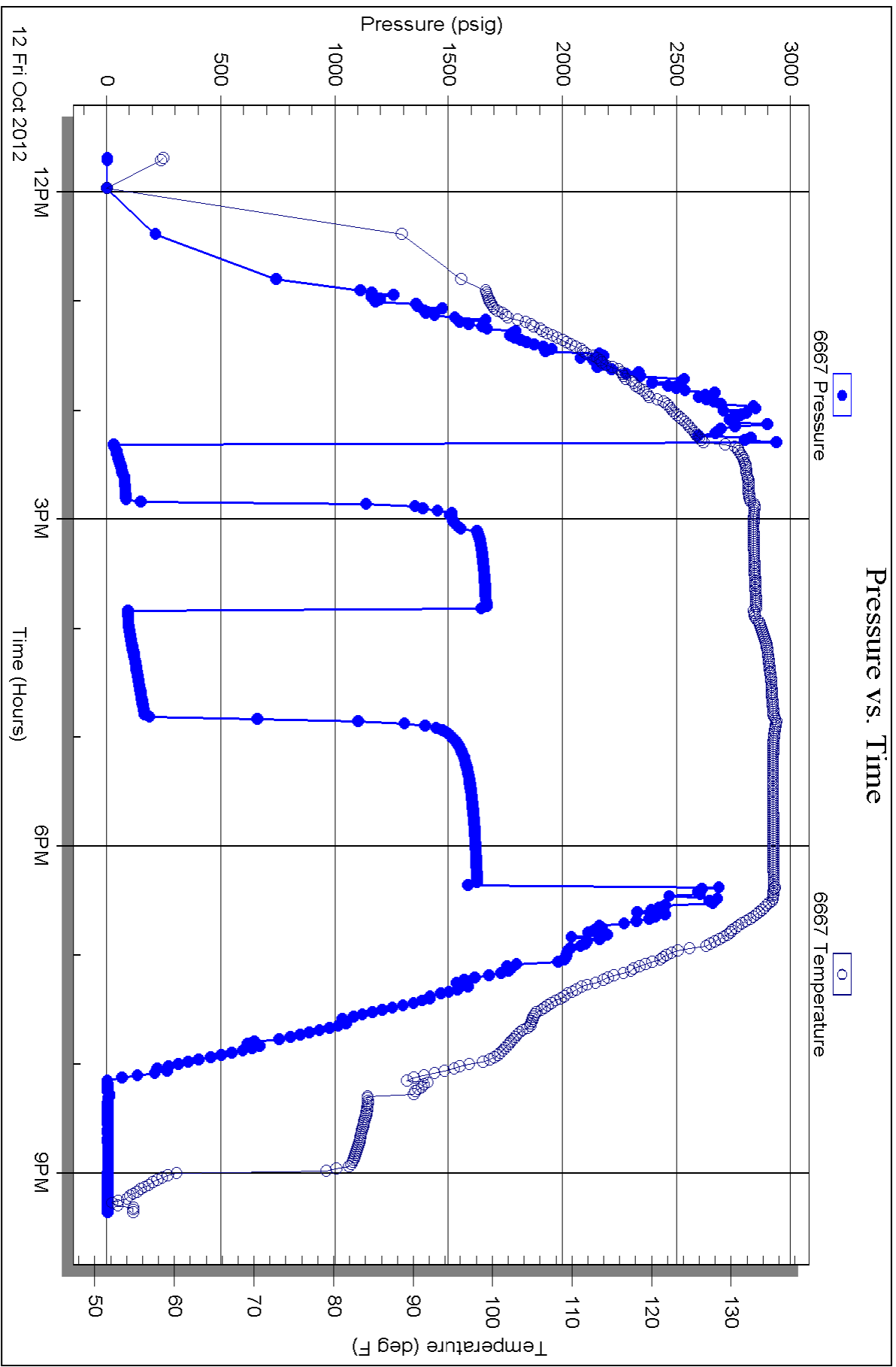
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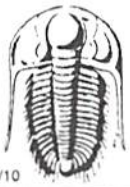
Inside

White Exploration Inc

Ruby #1-X

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50164

Well Name & No. Ruby # 1-X Test No. #1 Date 10/10/12
 Company White Exploration Inc. Elevation 2842 KB 2831 GL
 Address 2400 N. Woodhawn Ste 115, Wichita, KS 67260-3966
 Co. Rep / Geo. Dave Goldak Rig Murfin #22
 Location: Sec. 8 Twp. 30 S Rge. 31 W Co. Haskell State Ks

Interval Tested 5192 5254 Zone Tested Mallow
 Anchor Length 62 Drill Pipe Run 4948 Mud Wt. 9.7
 Top Packer Depth 5187 Drill Collars Run 234' Vis 52
 Bottom Packer Depth 5192 Wt. Pipe Run — WL 10.8
 Total Depth 5254 Chlorides 1900 ppm System LCM #6

Blow Description 1/4" blow died in 20 min
No return
No blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5'</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 125° Gravity — API RW — @ —° F Chlorides — ppm

(A) Initial Hydrostatic <u>2654</u>	<input checked="" type="checkbox"/> Test 1350	T-On Location <u>17:30</u>
(B) First Initial Flow <u>34</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>18:05</u>
(C) First Final Flow <u>37</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>20:30</u>
(D) Initial Shut-In <u>62</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>00:15</u>
(E) Second Initial Flow <u>39</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>03:00</u>
(F) Second Final Flow <u>42</u>	<input checked="" type="checkbox"/> Mileage <u>166 RT</u> 90xt 139.50	Comments
(G) Final Shut-In <u>57</u>	<input checked="" type="checkbox"/> Sampler 250	
(H) Final Hydrostatic <u>2578</u>	<input type="checkbox"/> Straddle	

Initial Open 30
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 90

Sub Total 2064.50

MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

TriLOBITE TESTING Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 50164 Date 10/10/12

Company Name White Exploration Inc.

Lease Ruby #1-X Test No. #1 (5192-5264) Morrow

County Haskell, Ks Sec. 8 Twp. 30S Rng. 31W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas _____ ML	Chlorides <u>1900</u> ppm.
Oil _____ ML	Resistivity _____ ohms @ _____ F
Mud <u>2000</u> ML	Viscosity <u>52</u>
Water _____ ML	Mud Weight <u>9.2</u>
Other _____ ML	Filtrate <u>10.8</u>
Pressure <u>0</u> ML	Other <u>LCM #6</u>
Total <u>2000ml mud</u> ML	_____ ML

SAMPLER ANALYSIS

PIPE RECOVERY

~~Resistivity _____ ohms @ _____ F~~

~~Chlorides _____ ppm.~~

~~Gravity _____ corrected @60F~~

~~TOP~~

~~Resistivity _____ ohms @ _____ F~~

~~Chlorides _____ ppm.~~

~~MIDDLE~~

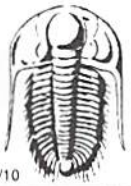
~~Resistivity _____ ohms @ _____ F~~

~~Chlorides _____ ppm.~~

~~BOTTOM~~

~~Resistivity _____ ohms @ _____ F~~

~~Chlorides _____ ppm.~~



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 50165

4/10

Well Name & No. Ruby #1-X Test No. #2 Date _____
 Company White Exploration Inc. Elevation 2842 KB 2831 GL _____
 Address 2400 N. Woodlawn Ste. 115, Wichita, Ks 67220-3960
 Co. Rep / Geo. Dave Goldak Rig Muffin #22
 Location: Sec. 8 Twp. 30s Rge. 31w Co. Haskell State Ks

Interval Tested 5576 5600 Zone Tested St. Louis
 Anchor Length 24 Drill Pipe Run 5041' Mud Wt. 9.4
 Top Packer Depth 5571 - 5576 Drill Collars Run 531' Vis 59
 Bottom Packer Depth 5600 Wt. Pipe Run _____ WL 11.2
 Total Depth 5700 Chlorides 1650 ppm System LCM #7

Blow Description 4" id blow
No return
3 3/4" id blow
No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>190</u>	<u>Feet of SMCW</u>		<u>85</u>	<u>15</u>	
<u>120</u>	<u>Feet of WCM</u>		<u>40</u>	<u>60</u>	
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____
Rec _____	Feet of _____	%gas _____	%oil _____	%water _____	%mud _____

Rec Total 310' BHT 137° Gravity _____ API RW .278@ 55° F Chlorides 31,000 ppm

(A) Initial Hydrostatic <u>2887</u>	<input checked="" type="checkbox"/> Test 1350	T-On Location <u>11:20</u>
(B) First Initial Flow <u>49</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>11:40</u>
(C) First Final Flow <u>96</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>14:20</u>
(D) Initial Shut-In <u>1677</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>18:20</u>
(E) Second Initial Flow <u>103</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:45</u>
(F) Second Final Flow <u>177</u>	<input checked="" type="checkbox"/> Mileage <u>166 RT 139.50</u>	Comments _____
(G) Final Shut-In <u>1632</u>	<input checked="" type="checkbox"/> Sampler 250	<input type="checkbox"/> Ruined Shale Packer _____
(H) Final Hydrostatic <u>2693</u>	<input checked="" type="checkbox"/> Straddle 600	<input type="checkbox"/> Ruined Packer _____
	<input checked="" type="checkbox"/> Shale Packer 250	<input type="checkbox"/> Extra Copies _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Sub Total 2914.50

MP/DST Disc't

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements of opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING, INC.

P.O. Box 362 • Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 50165 Date 10/12/12
 Company Name White Exploration Inc. (Straddle Test T.O. 5700)
 Lease Ruby #1-X Test No. #2 (5576-5600) St. Louis
 County Haskell Sec. 8 Twp. 30S Rng. 31W

SAMPLER RECOVERY

PIT MUD ANALYSIS

Gas <u>—</u> ML	Chlorides <u>1650</u> ppm.
Oil <u>—</u> ML	Resistivity <u>5.15</u> ohms @ <u>50°</u> F
Mud <u>1000</u> ML	Viscosity <u>59</u>
Water <u>1000</u> ML	Mud Weight <u>9.4</u>
Other <u>—</u> ML	Filtrate <u>11.2</u>
Pressure <u>880 P.S.I.</u>	Other <u>KCM #7</u>
Total <u>2000ML</u> ML	

SAMPLER ANALYSIS

PIPE RECOVERY

Resistivity <u>.278</u> ohms @ <u>55</u> F	TOP Resistivity <u>.278</u> ohms @ <u>55</u> F
Chlorides <u>31,000</u> ppm.	Chlorides <u>31,000</u> ppm.
Gravity <u>—</u> corrected @60F	MIDDLE Resistivity <u>.278</u> ohms @ <u>55</u> F
	Chlorides <u>31,000</u> ppm.
	BOTTOM Resistivity <u>.278</u> ohms @ <u>55</u> F
	Chlorides <u>31,000</u> ppm.

GEOLOGIC REPORT

DAVID J. GOLDAK

WICHITA, KANSAS
Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Ruby #1-X
Location: Section 8 - T30S - R31W
License Number: API: 15-081-22002
Spud Date: 10 / 02 / 2012
Surface Coordinates: 1340' FNL and 2050' FEL
Approx. C - W/2 - NE

Region: Haskell Co., KS
Drilling Completed: 10 / 12 / 2012

Bottom Hole
Coordinates:
Ground Elevation (ft): 2831' K.B. Elevation (ft): 2842'
Logged Interval (ft): 4100' To: 5700' Total Depth (ft): 5700'
Formation: Mississippian - St Louis
Type of Drilling Fluid: Chemical - Mud-Co

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

OPERATOR

Company: White Exploration, Inc.
Address: 2400 N. Woodlawn, Suite 115
Wichita, Kansas 67220-3966

GEOLOGIST

Name: David J. Goldak
Company: D. J. GOLDAK, INC.
Address: 155 N. Market, Suite 710
Wichita, Kansas 67202

General Info

CONTRACTOR: Murfin Drilling, Rig #22

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Reed-?-RR	16-16-16	1982	1982	29.75
2	7-7/8	HTC-506F-PDC	16-16-16	4600	2618	44.50
3	7-7/8	HTC-GX22S	16-16-16	5700	1100	71.25

SURVEYS: 631'-0.75, 1227'-1.50, 1982'-1.00, 2828'-1.00,
4600'-0.75, 5254'-0.75, 5700'-0.25

GENERAL DRILLING & PUMP INFORMATION:

Pumping 62 S/M, 9.11 B/M, with 1000 psi at the Standpipe.
Drilling w/ Conv bit: 35,000-38,000 lbs on bit at 70 RPM.
Running 9 stands collars - 530'

Daily Status

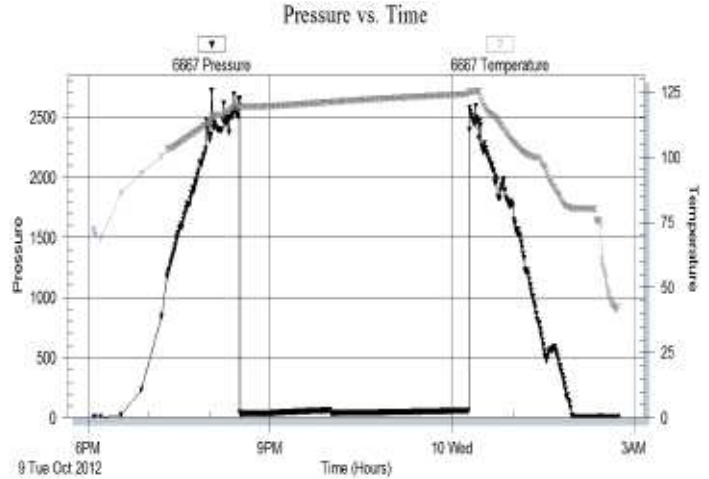
10/02/12 - Spud at 8:00 PM
 10/03/12 - 850' Drilling
 10/04/12 - 1,982' Prep to run casing; Set 8-5/8" Csg at 1,979'
 10/05/12 - 2,070' Drilling
 10/06/12 - 3,470' Drilling; Displace @ 3,600'
 10/07/12 - 4,600' Bit trip
 10/08/12 - 4,880' Drilling
 10/09/12 - 5,175' Drilling; DST #1 @ 5,254'
 10/10/12 - 5,260' Drilling; Trip for hole in pipe @ 5,460'
 10/11/12 - 5,520' Drilling; RTD 5,700' @ 11:35 PM
 10/12/12 - 5,700' Logging; DST #2 (Straddle) @ 5,600'

DST #1: 5,192' - 5,254' (Morrow Limestone)
 30" - 60" - 45" - 90"

IF: Weak 1/4" blow, died in 20 minutes
 ISI: No blow back
 FF: No blow
 FSI: No blow back

RECOVERY: 5' Total Fluid, consisting of:
 5' Mud (100% Mud)
 Sampler: 2000 ml Mud @ 0 psi

SIP: 62-57; FP: 34-37, 39-42; HP: 2654-2578; BHT: 125

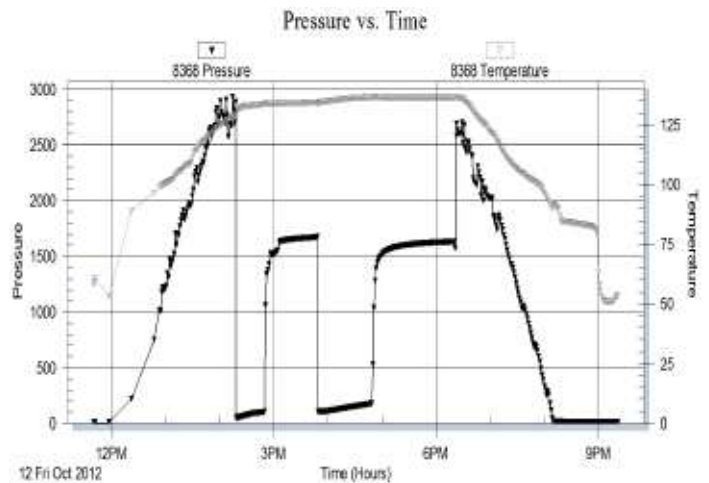


DST #2: 5,576' - 5,600' (St Louis "A")
 (Straddle Test) 30" - 60" - 60" - 90"
 (Straddle packer failed to hold)

IF: Weak blow, building to 4 inches
 ISI: No blow back
 FF: Weak blow, building to 3.75 inches
 FSI: No blow back

RECOVERY: 310' Total Fluid, consisting of:
 120' WCM (40% W, 60% M)
 190' SMCW (85% W, 15% M); Chlorides: 31,000 ppm
 Sampler: 1000 ml M & 1000 ml W @ 880 psi

SIP: 1677-1632; FP: 49-96, 103-177; HP: 2887-2693; BHT: 137



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Sltstn
	Shlyslts
	Sltysht
	Lms

ACCESSORIES

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh
- Clystn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

INTERVALS

- Core
- Dst
- Dst_1_t
- Dst_1_b
- Dst

EVENTS

- Rft
- Sidewall

Conn

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint

Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

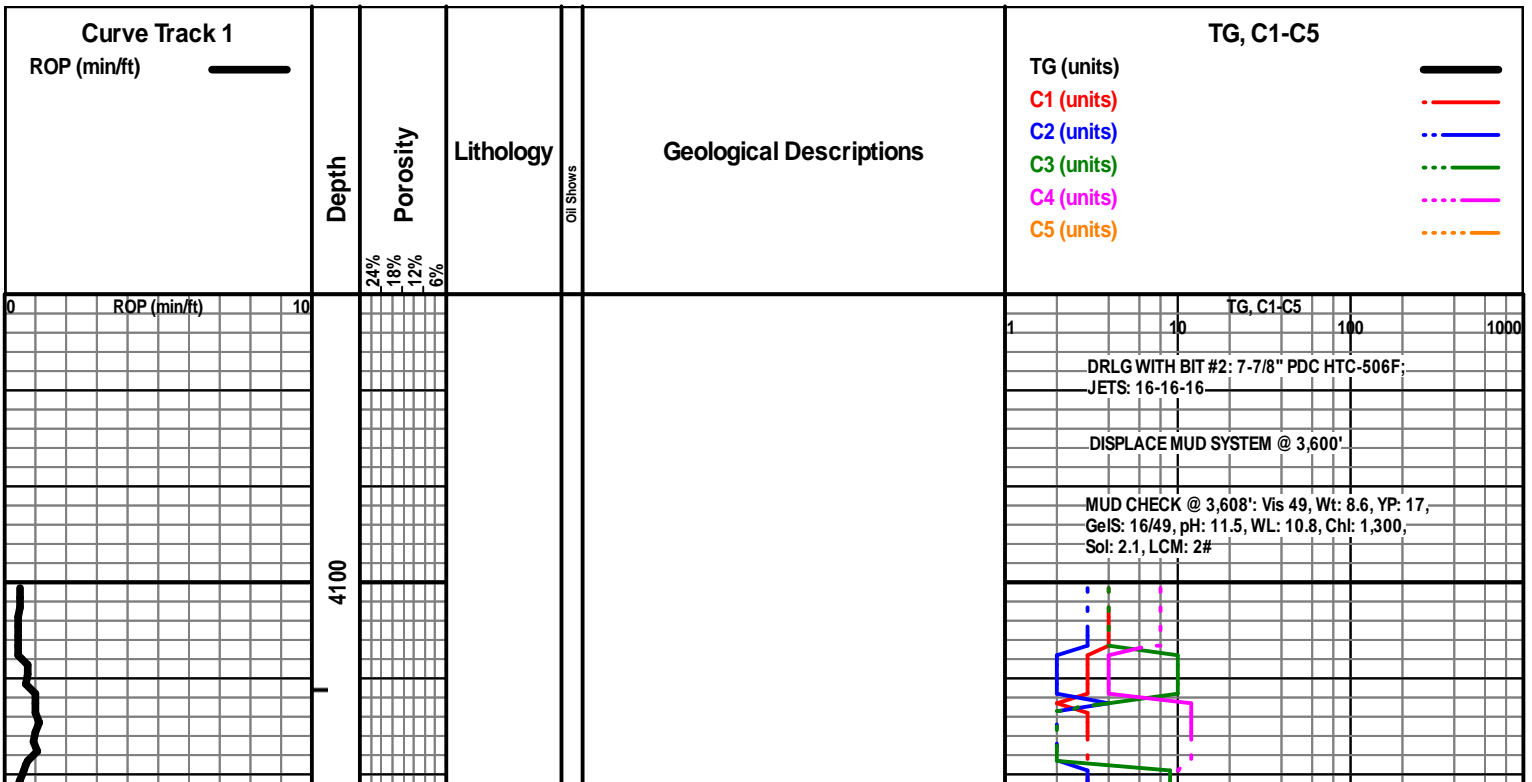
- Rounded
- Subrnd

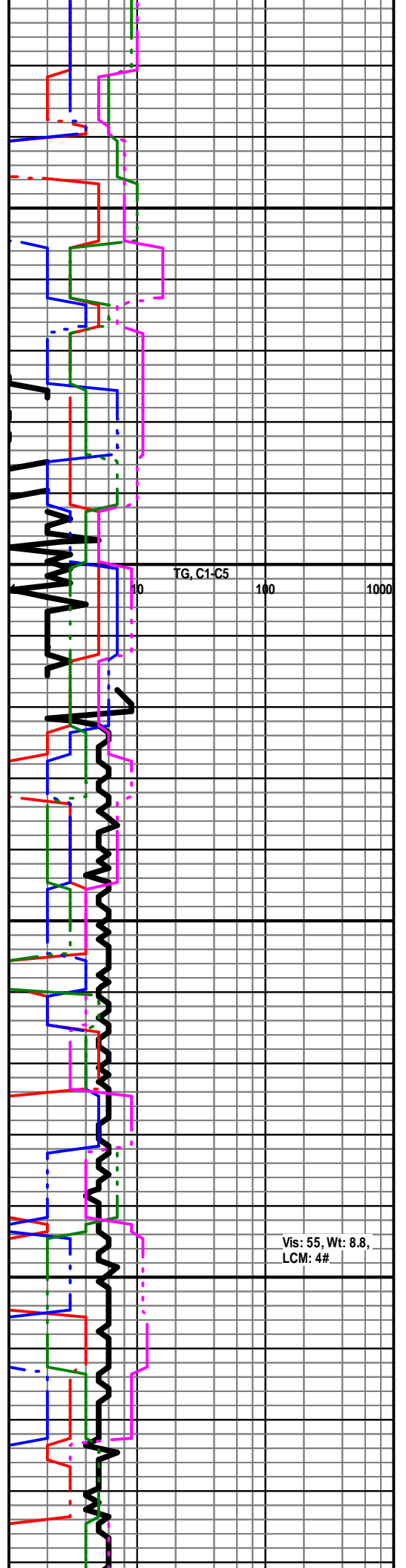
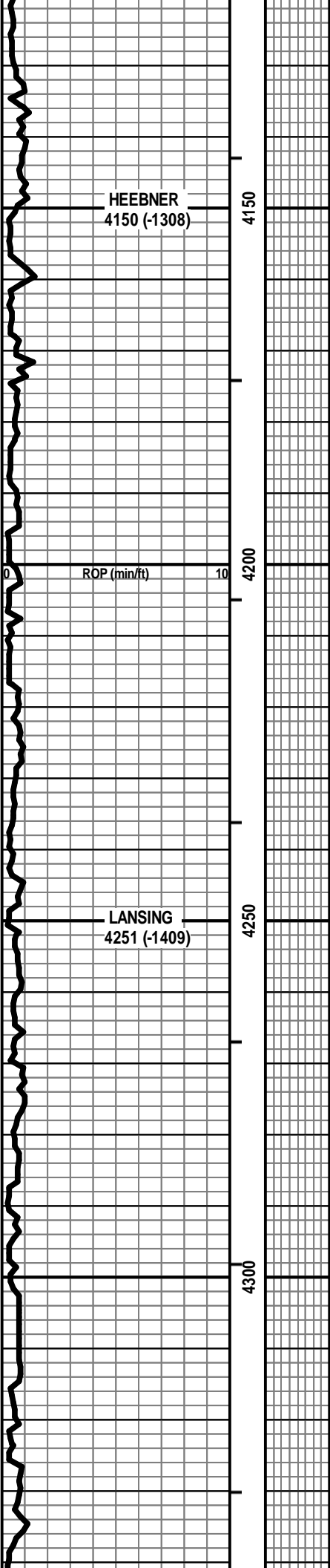
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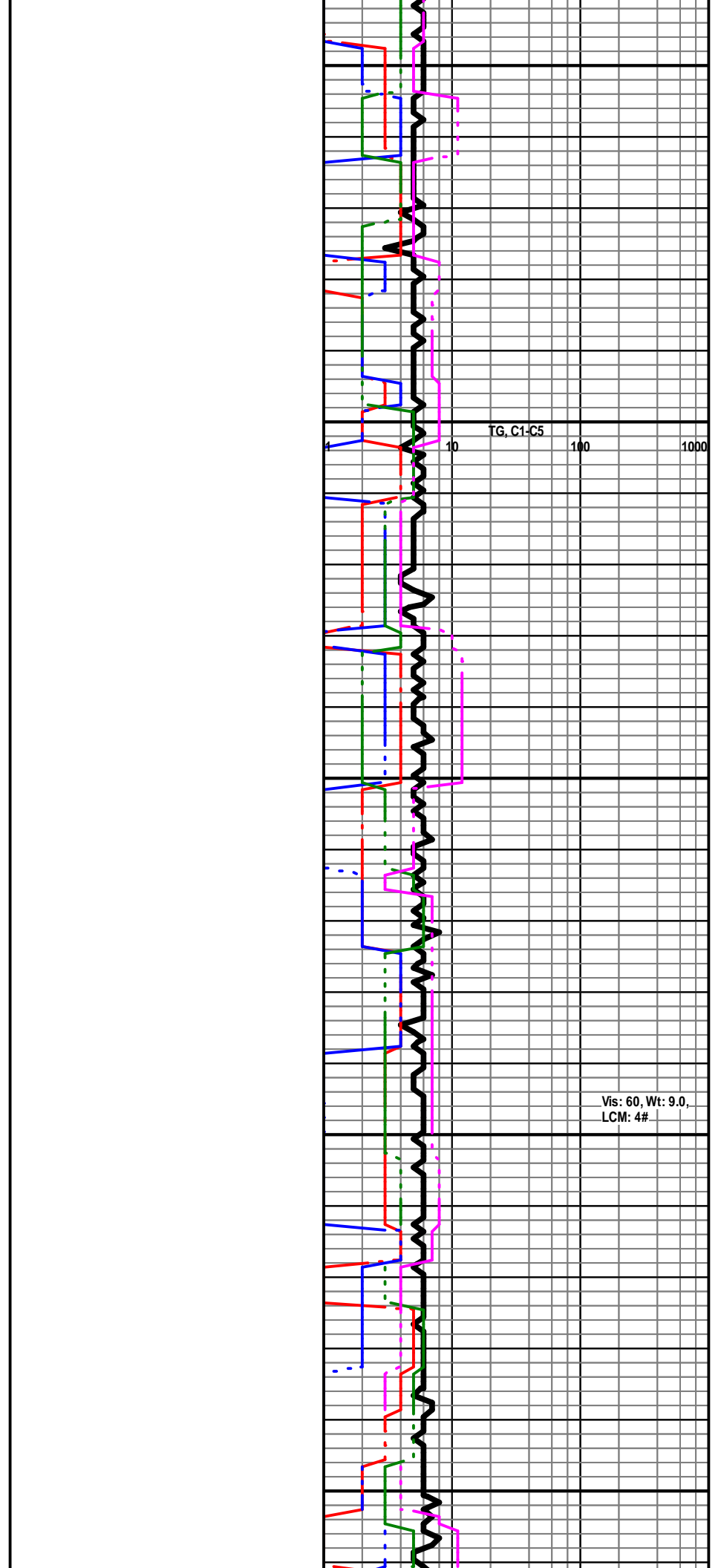
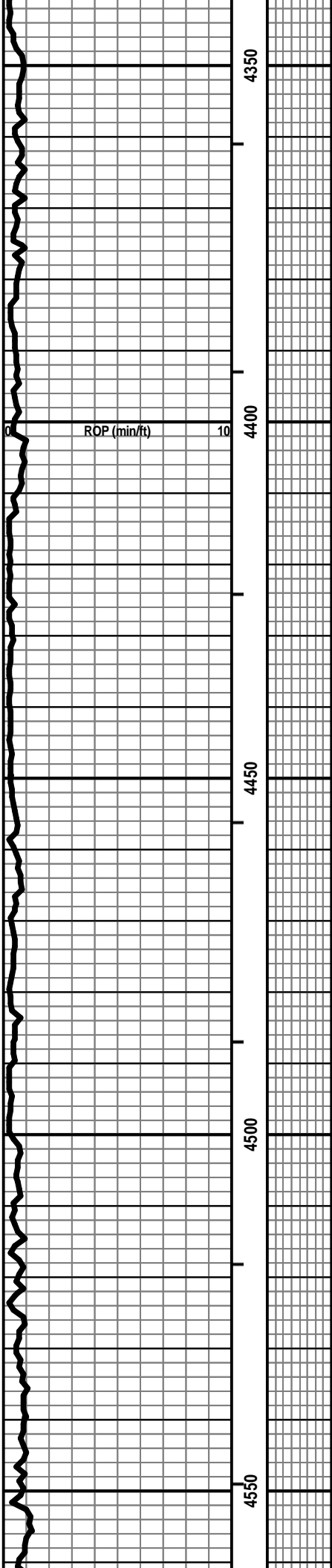
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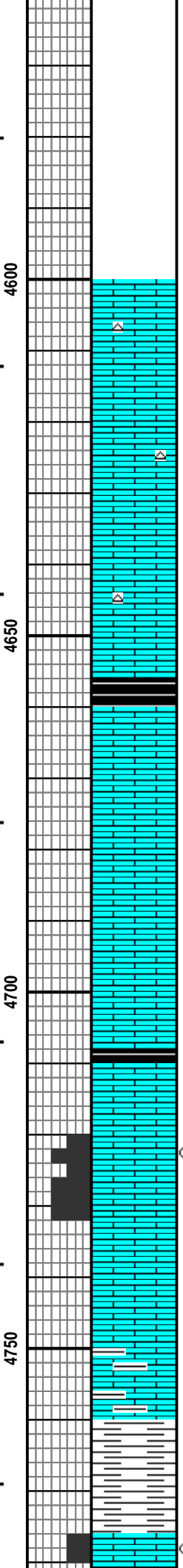
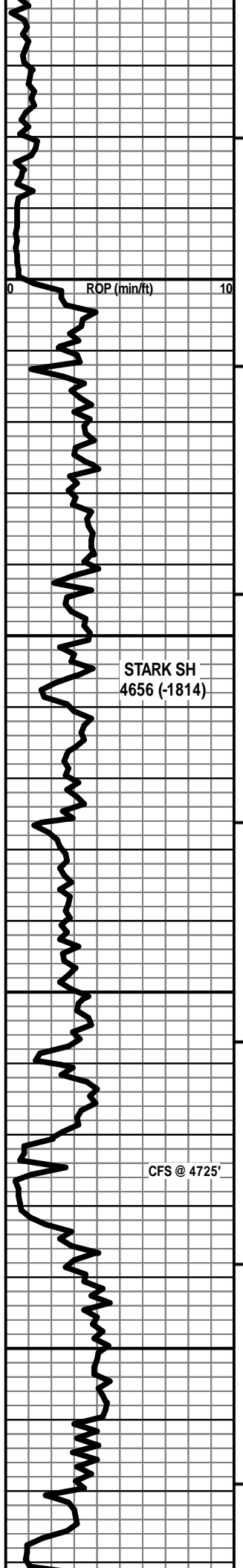
OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show









LS - CRM / TAN / BRN, VF / F XLN, SCAT CRYPTO XLN, TR FOSS, CHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY / WHT

LS - CRM / TAN / BRN, VF / F XLN, SCAT CRYPTO XLN, TR FOSS, CHKY IN PT, PRED DNS, NS W/ SCAT CHT - LT GY / WHT

LS - CRM / TAN / SCAT GY, VF / F XLN, TR FOSS + OOL, TR VP MOLDIC POR, CHKY IN PT, PRED DNS, NS, NO ODOR, NO FLOUR, NO CUT

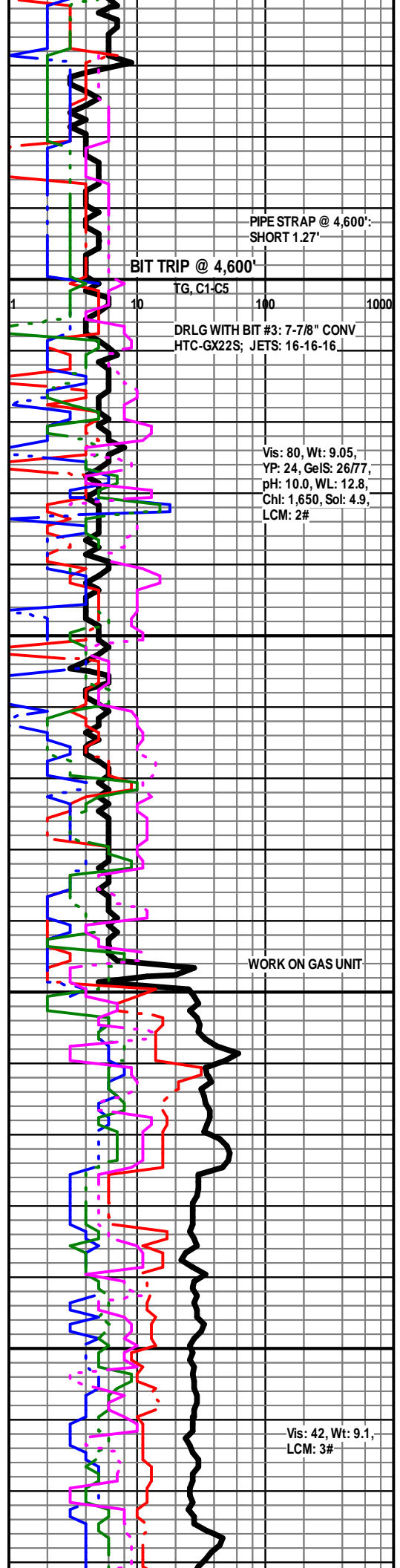
LS - CRM / TAN, VF / F XLN, OOL IN PT, SL FOSS, SCAT CHKY, PRED DNS, NS

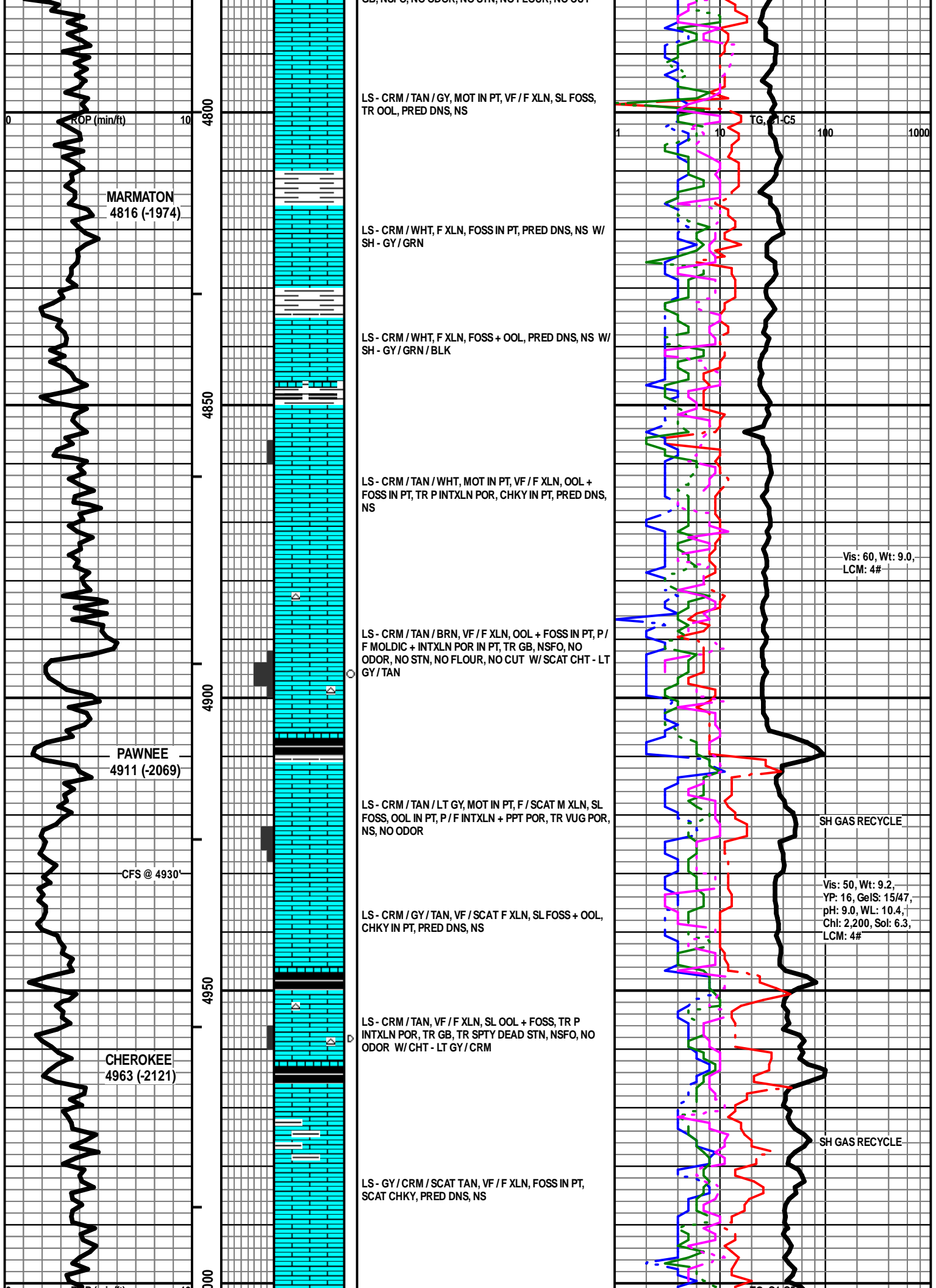
LS - CRM / TAN, MOT IN PT, F XLN, OOL, F / G OOM + INTXLN POR, SSGB, NSFO, NO ODOR, NO STN, NO FLOUR, NO CUT

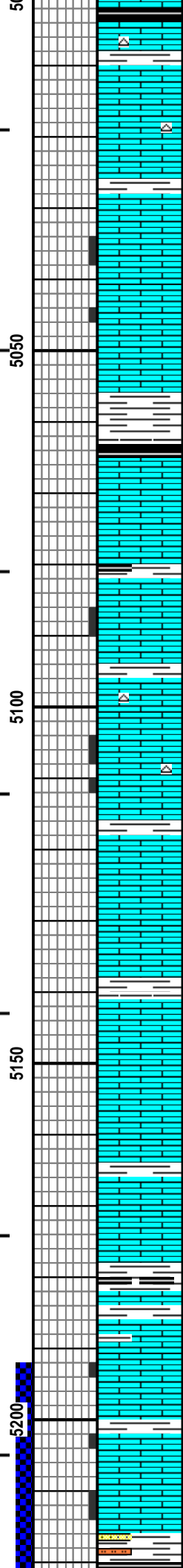
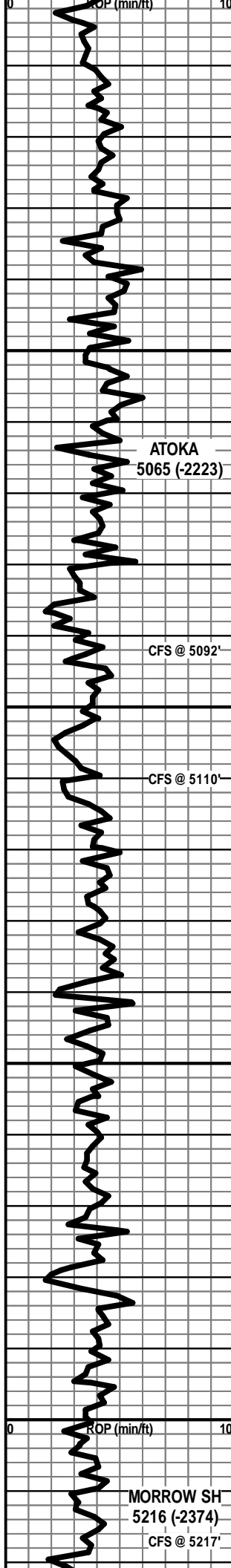
LS - ASABOVE, NS W/LS - TAN / GY / BRN, VF / F XLN, SCAT CRYPTO XLN, TR FOSS + OOL, PRED DNS, NS

SH - GY / GRN / BLK / RED W/LS - ASABOVE

LS - CRM, F XLN, OOL, F / G OOM + INTXLN POR, TR GR NSFO NO ODOR, NO STN, NO FLOUR, NO CUT







LS - CRM / TAN / GY, MOT IN PT, VF / F XLN, FOSS + OOL
IN PT, PRED DNS, NS W/ SCAT CHT - LT GY

LS - GY / TAN, MOT IN PT, F XLN, SL FOSS, TR P INTXLN
+ VUG POR, PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SL FOSS, PRED DNS, NS W/
SH - GY / BLK / GRN

LS - TAN / CRM, VF / F XLN, FOSS IN PT, PRED DNS, NS

LS - CRM / TAN / BRN, F XLN, FOSS IN PT, SCAT P / TR F
INTXLN POR, NS, NO ODOR

LS - CRM / LT GY, VF / F XLN, FOSS IN PT, SCAT P
INTXLN POR, CHKY IN PT / DNS, NS, NO ODOR W/
SCAT CHT - LT GY / WHT

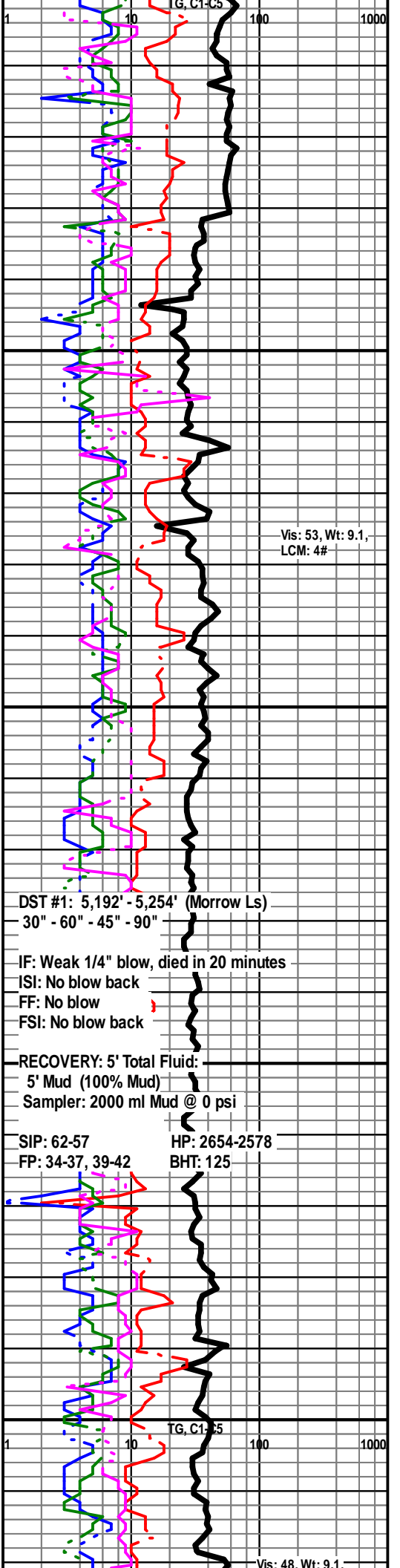
LS - CRM / GY / TAN, MOT IN PT, VF / F XLN, SL FOSS,
CHKY IN PT, PRED DNS, NS

LS - TAN / CRM / BRN, VF / F XLN, SL FOSS, PRED DNS,
NS

LS - GY / BRN, VF / F XLN, SL FOSS, PRED DNS, NS W/
SH - GY / BLK

LS - CRM / TAN / BRN, F / SCAT M XLN, SL FOSS, SCAT
GLAUC, SCAT P INTXLN POR, TR GB, PRED NS, NO
ODOR

LS - CRM / TAN, F / SCAT M XLN, SCAT P INTXLN POR,
TR GB, PRED NS, NO ODOR W/ ABNT SH - GRN / GY /
BLK W TR SLTST + SS - GY / GRN, VF / SLT GR, NO VIS
POR, NS



MORROW LS
5233 (-2391)

CFS @ 5254'

5250

5300

5350

5400

ST GEN
5416 (-2574)

PRED SH - GY / GRN / SCAT BK, TR SLTY

LS - CRM / TAN, F / C XLN, FOSS IN PT, P / SCAT F
INTXLN POR, CHKY IN PT, SL / G SGB, SL / F SDIST, V
FT ODOR, SPTY BRN + BLK ASPH STN, P / NO FLOUR +
CUT

PRED SH - GY / GRN / BLK, CARB IN PT

LS - CRM / GY / TAN, MOT IN PT, F / C XLN, FOSS IN PT,
CHKY IN PT, PRED DNS W / SH - GY

LS - ASABOVE W / MOD ABNT SH - GY, CALC IN PT

LS - GY / TAN / SCAT CRM, VF / C XLN, SCAT CRYPTO
XLN, FOSS IN PT, SCAT CHKY, PRED DNS, NS W / ABNT
SH - GY, CALC IN PT

LS - GY / TAN, VF / CRYPTO XLN, ARGIL IN PT, PRED
DNS, NS W / MOD ABNT SH - GY, CALC IN PT

PRED SH - GY W / SCAT LS - AS ABOVE, NS

LS - GY / SCAT TAN, VF / CRYPTO XLN, ARGIL IN PT,
PRED DNS, NS W / ABNT SH - GY

LS - ASABOVE, NS W / ABNT SH - GY

LS - ASABOVE, NS W / ABNT SH - VARICOL W / SCAT
LS - WHT / CRM, VF XLN, AREN, VF QTZ GR, TR OOL ?,
TR CHKY, PRED DNS, NS (POOR SAMPLE QUAL)

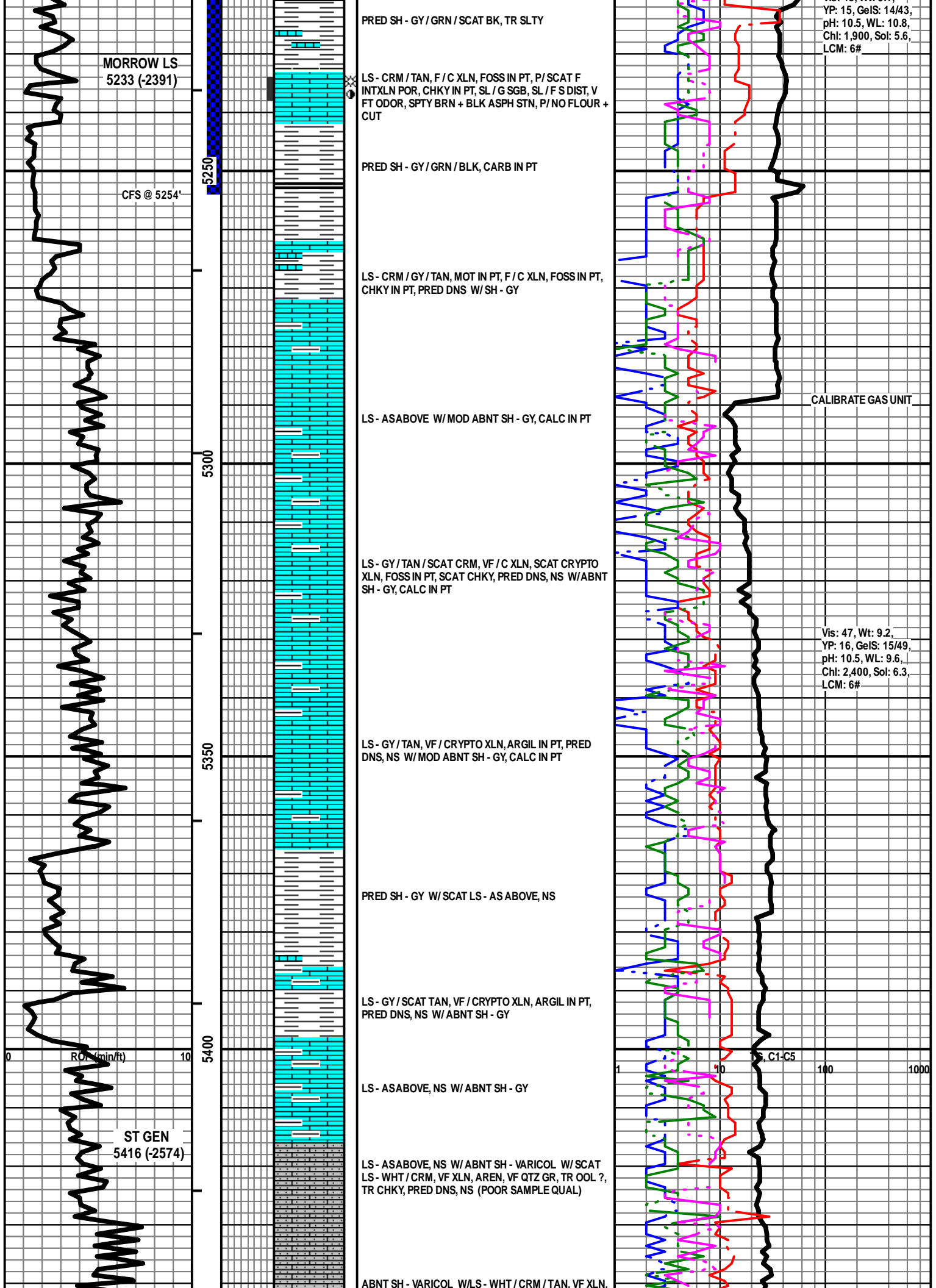
ABNT SH - VARICOL W / LS - WHT / CRM / TAN, VF XLN.

YP: 15, GeIS: 14/43,
pH: 10.5, WL: 10.8,
Chl: 1,900, Sol: 5.6,
LCM: 6#

CALIBRATE GAS UNIT

Vis: 47, Wt: 9.2,
YP: 16, GeIS: 15/49,
pH: 10.5, WL: 9.6,
Chl: 2,400, Sol: 6.3,
LCM: 6#

C1-C5



AREN, VF QTZ GR, FNLY OOL, CHKY IN PT, PRED DNS, NS (POOR SAMPLE QUAL)

Vis: 60, Wt: 9.3, LCM: 6#

LS - WHT / CRM / TAN, VF XLN, AREN, VF QTZ GR, FNLY OOL, CHKY IN PT, PRED DNS, NS

TRIP FOR HOLE IN PIPE @ 5,460'

LS - WHT / CRM / TAN, VF XLN, AREN, VF QTZ GR, FNLY OOL, CHKY IN PT, PRED DNS, NS

LS - ASABOVE W/TR LS - CRM / LT GY, VF XLN, TR OOL, PRED DNS, NS W/ SCAT SH - BLK, CARB (CAVINGS ?)

LS - CRM / LT GY / TAN, VF / F XLN, SCAT OOL, PRED DNS, NS W/TR CHT - ORG / GY, OOL IN PT W/ ST GEN CAVINGS

DST #2: 5,576' - 5,600' (St Louis "A") (Straddle) 30" - 60" - 60" - 90" (Straddle packer failed to hold)

IF: Weak blow, building to 4 inches

ISI: No blow back

FF: Weak blow, building to 3.75 inches

FSI: No blow back

LS - CRM / LT GY / TAN, VF / F XLN, SCAT OOL, SCAT GLAUC, PRED DNS, NS W/ ST GEN CAVINGS

RECOVERY: 310' Total Fluid: 120' WCM (40% W, 60% M) 190' SMCW (85% W, 15% M)

Chlorides recovery: 31,000 ppm

Sampler: 1000 ml M & 1000 ml W @ 880 psi

LS - CRM / TAN, VF / F XLN, OOL IN PT, SCAT GLAUC, PRED DNS, NS W/TR CHT - ORG / GY

SIP: 1677-1632

HP: 2887-2693

FP: 48-96, 103-177

BHT: 137'

LS - CRM / TAN, VF / F XLN, OOL IN PT, SCAT GLAUC, PRED DNS, NS W/TR CHT - ORG / GY

ST LOUIS POROSITY 5582 (-2740)

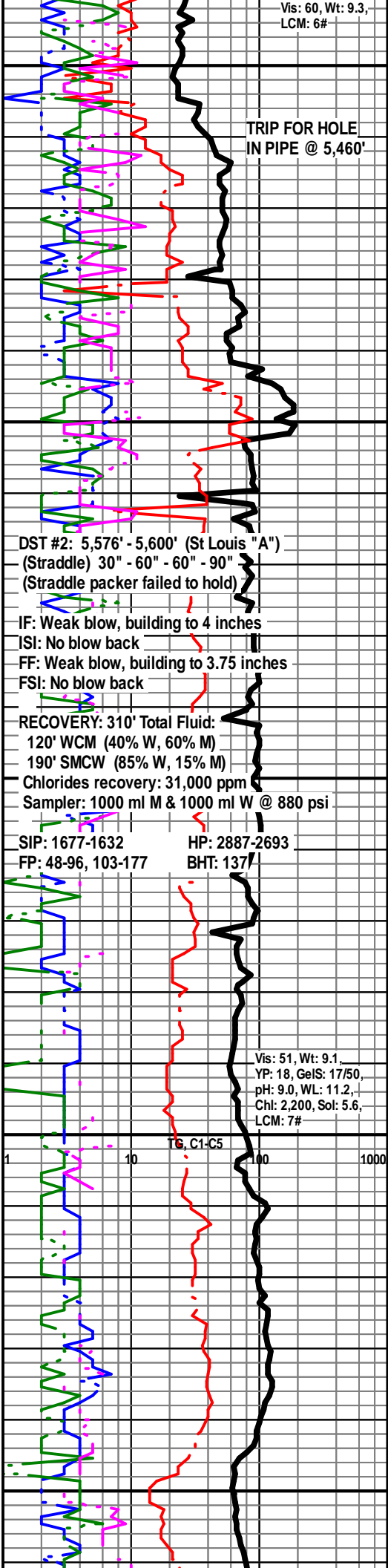
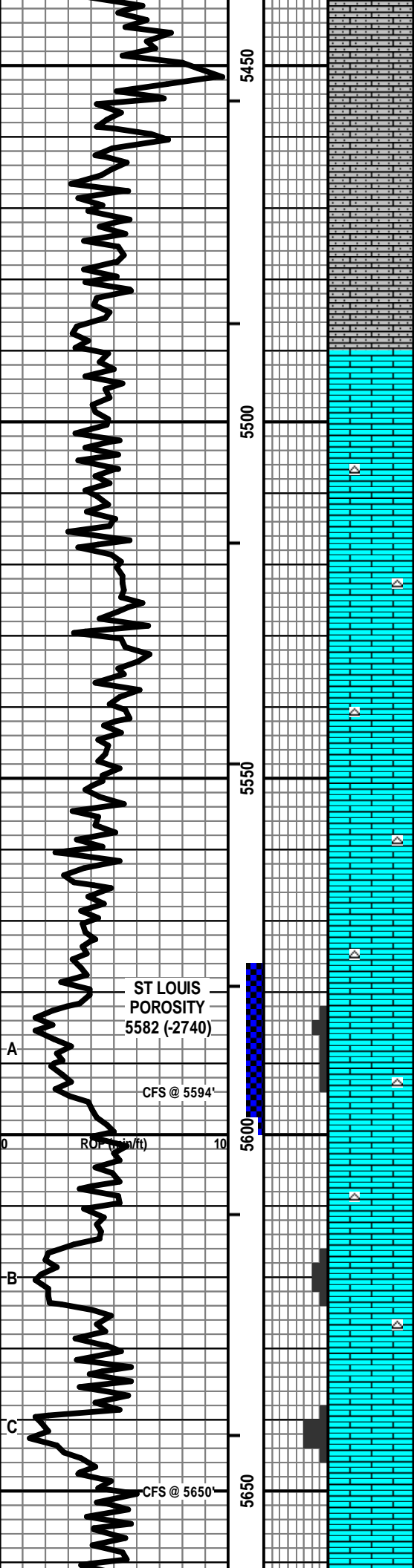
LS - CRM / TAN, VF / F XLN, OOL, PRED P / TR F INTOOL POR, TR FREE OOL IN TRAY, CHKY IN PT, TR GB + SPTY STN, NSFO, NO ODOR W/TR CHT - GY / ORG

Vis: 51, Wt: 9.1, YP: 18, GeIS: 17/50, pH: 9.0, WL: 11.2, Chl: 2,200, Sol: 5.6, LCM: 7#

LS - CRM / TAN, VF / F XLN, OOL IN PT, CHKY IN PT, PRED DNS, NS W/TR CHT - GY

CRM / TAN, VF / F XLN, OOL, P / F INTOOL POR, CHKY IN PT, MOD AMT FREE OOL IN TRAY, NS, NO ODOR, NO STN W/TR CHT - GY

LS - CRM / TAN, F XLN, OOL, P / G INTOOL POR, SCAT CHKY, SCAT FREE OOL IN TRAY, NS, NO ODOR, NO STN



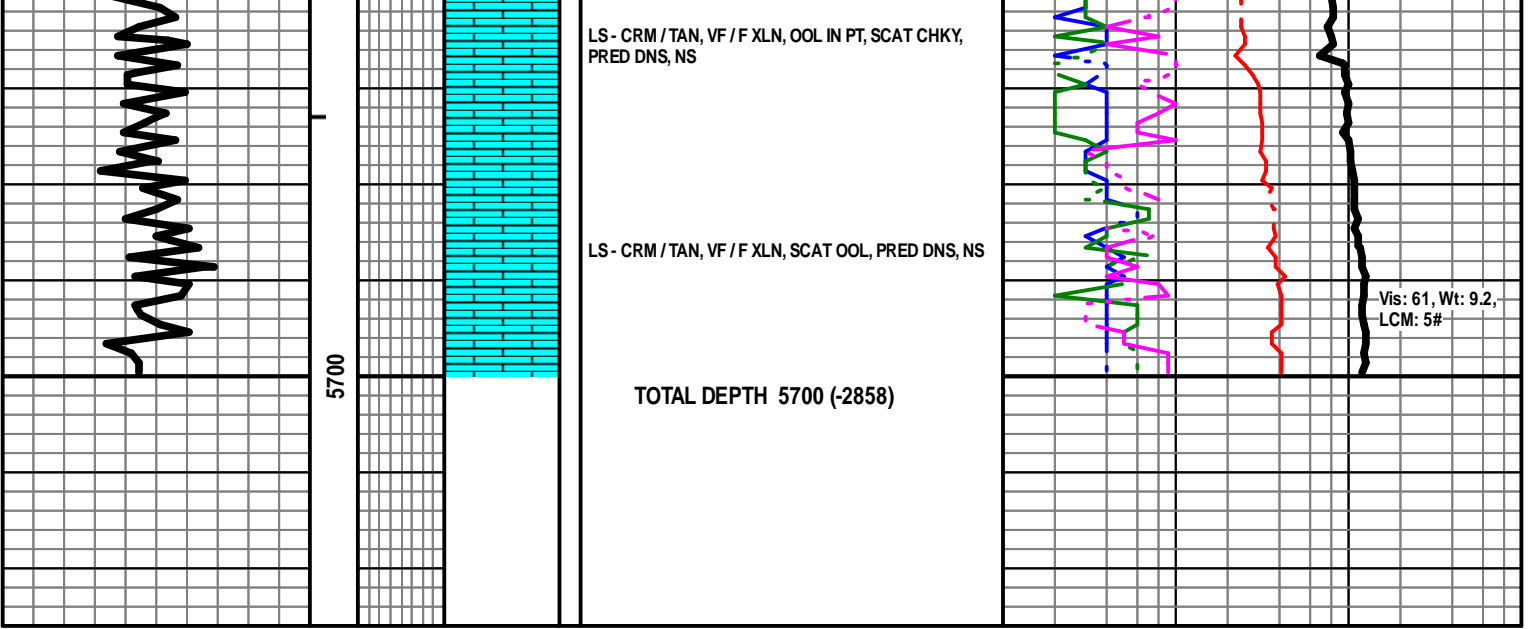
LS - CRM / TAN, VF / F XLN, OOL IN PT, SCAT CHKY,
PRED DNS, NS

LS - CRM / TAN, VF / F XLN, SCAT OOL, PRED DNS, NS

TOTAL DEPTH 5700 (-2858)

Vis: 61, Wt: 9.2,
LCM: 5#

5700



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



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

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

Sam Brownback, Governor

December 05, 2012

Kenneth S. White
White Exploration, Inc.
2400 N WOODLAWN STE 115
WICHITA, KS 67220-3966

Re: ACO1
API 15-081-22002-00-00
Ruby 1-X
NE/4 Sec.08-30S-31W
Haskell 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,
Kenneth S. White