



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1102419
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: _____



1102419

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 <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 List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	JANTZ 1-30(SW)
Doc ID	1102419

All Electric Logs Run

MEL
DIL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	JANTZ 1-30(SW)
Doc ID	1102419

Tops

Name	Top	Datum
STOTLER	3537	-701
TARKIO	3590	-754
LANSING	4256	-1420
PAWNEE	4867	-2031
CHEROKEE	4913	-2077
MORROW SH	5147	-2311
ST GEN	5288	-2452
ST LOUIS B POR	5365	-2529

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

November 26, 2012

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

Re: ACO1
API 15-069-20386-00-00
JANTZ 1-30(SW)
SW/4 Sec.30-28S-30W
Gray County, Kansas

Dear Production Department:

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

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

Respectfully,
CYNDE WOLF



Cement Report

Customer <i>Falcon Exploration</i>	Lease No.	Date <i>8-20-12</i>
Lease <i>Jante</i>	Well # <i>1-30</i>	Service Receipt
Casing	Depth	County <i>Gray</i>
Job Type <i>PTA</i>	Formation	State <i>KS</i>
		Legal Description <i>37-28-30</i>

Pipe Data		Perforating Data		Cement Data
Casing size <i>8 3/4 24"</i>	Tubing Size <i>4 1/2 DP</i>	Shots/Ft		Lead <i>170 sk 60/40</i>
Depth <i>1900ft</i>	Depth	From <i>50 sk</i>	To <i>1920ft</i>	<i>4% Gel</i>
Volume	Volume	From <i>50 sk</i>	To <i>840ft</i>	Tail in
Max Press	Max Press	From <i>20 sk</i>	To <i>60ft</i>	
Well Connection	Annulus Vol.	From <i>30 sk</i>	To <i>Rat</i>	
Plug Depth	Packer Depth	From <i>20 sk</i>	To <i>Mouse</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>2100</i>					<i>On Location - Spot + Rig up</i>
<i>0100</i>					<i>DP set @ 1920ft</i>
<i>0111</i>		<i>100</i>	<i>10</i>	<i>4</i>	<i>Pump 10 BBL H₂O</i>
<i>0114</i>		<i>100</i>	<i>13</i>	<i>4</i>	<i>Max 50 sk 60/40 @ 13.5 PPG</i>
<i>0120</i>		<i>100</i>	<i>0</i>	<i>4</i>	<i>Pump 2 BBL H₂O</i>
<i>0121</i>		<i>100</i>	<i>2</i>	<i>4</i>	<i>Pump 20 BBL mud</i>
<i>0127</i>		<i>0</i>	<i>22</i>		<i>Shutdown - Pump to 840ft</i>
<i>0221</i>		<i>100</i>	<i>30</i>	<i>5</i>	<i>Pump 30 BBL H₂O</i>
<i>0227</i>		<i>100</i>	<i>13</i>	<i>4</i>	<i>Max 50 sk 60/40 @ 13.5 PPG</i>
<i>0234</i>		<i>100</i>	<i>0</i>	<i>4</i>	<i>Pump 7 BBL H₂O</i>
<i>0237</i>		<i>0</i>	<i>7</i>		<i>Shutdown - Pump to 60ft</i>
<i>0455</i>			<i>10</i>	<i>4</i>	<i>Pump 10 BBL H₂O</i>
<i>0450</i>			<i>5</i>	<i>2</i>	<i>Max 20 sk 60/40 @ 13.5 PPG</i>
<i>0550</i>			<i>18</i>	<i>3</i>	<i>Plug Rat Hole w/20 sk</i>
<i>0550</i>			<i>5</i>	<i>2</i>	<i>Plug Mouse Hole w/20 sk</i>

Service Units	<i>21755</i>	<i>10274/19919</i>	<i>11355/14324</i>		
Driver Names	<i>Kiby</i>	<i>Eddis</i>	<i>Tulip</i>		

Customer Representative _____ Station Manager *Jerry Bennett* _____ Cementer *Bucky Harper* _____

Cement Report

Customer <i>Caloon</i>	Lease No.	Date <i>8-2-12</i>
Lease <i>Tindz</i>	Well # <i>130</i>	Service Receipt <i>03011</i>
Casing Depth	County <i>Craig</i>	State <i>KS</i>
Job Type	Formation	Legal Description

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead
<i>8 5/8" 24"</i>	<i>2 3/8"</i>	From	To	<i>460 SK</i>
Depth <i>1405'</i>	Depth	From	To	<i>A 600</i>
Volume <i>119.67</i>	Volume	From	To	
Max Press <i>2000 PSI</i>	Max Press	From	To	
Well Connection <i>70-1405'</i>	Annulus Vol.	From	To	Tail in <i>150 SK</i>
Plug Depth <i>ST-42'</i>	Packer Depth	From	To	<i>Class C</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>9:00</i>					<i>on loc</i>
<i>9:16</i>					<i>spot tanks</i>
<i>10:00</i>					<i>safety meeting / 154</i>
<i>10:10</i>					<i>massive test / 25000</i>
<i>10:15</i>	<i>200</i>		<i>240</i>	<i>5</i>	<i>low pump 100 SK lead @ 11:45</i>
<i>10:40</i>	<i>150</i>		<i>76</i>	<i>5</i>	<i>switch to tail 150 SK @ 14:50</i>
<i>10:50</i>	<i>0</i>		<i>0</i>	<i>5</i>	<i>drop plug d'50 csg</i>
<i>10:05</i>	<i>500</i>		<i>109</i>	<i>2</i>	<i>slow rate</i>
<i>11:15</i>	<i>1800</i>		<i>119</i>	<i>0</i>	<i>land plug - 1405' d</i>
					<i>cut closed to surface</i>

Service Units	<i>19900</i>	<i>271160</i>	<i>191837-191840</i>	<i>14315-14318</i>
Driver Names	<i>A. Allen</i>	<i>J. Smith</i>	<i>J. Smith</i>	<i>J. Smith</i>

Allen
 Customer Representative

J. Smith
 Station Manager

A. Allen
 Cementer

DIAMOND TESTING

General Information Report

General Information

Company Name FALCON EXPLORATION
Contact MIKE MITCHELL
Well Name JANTZ #1-30 (SW)
Unique Well ID DST #1, MORROW SD., 5142-5206
Surface Location SEC 30-28S-30W, GRAY CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, MORROW SD., 5142-5206
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION
Report Date 2012/08/18
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2012/08/18
Final Test Date 2012/08/18

Start Test Time 07:15:00
Final Test Time 16:55:00

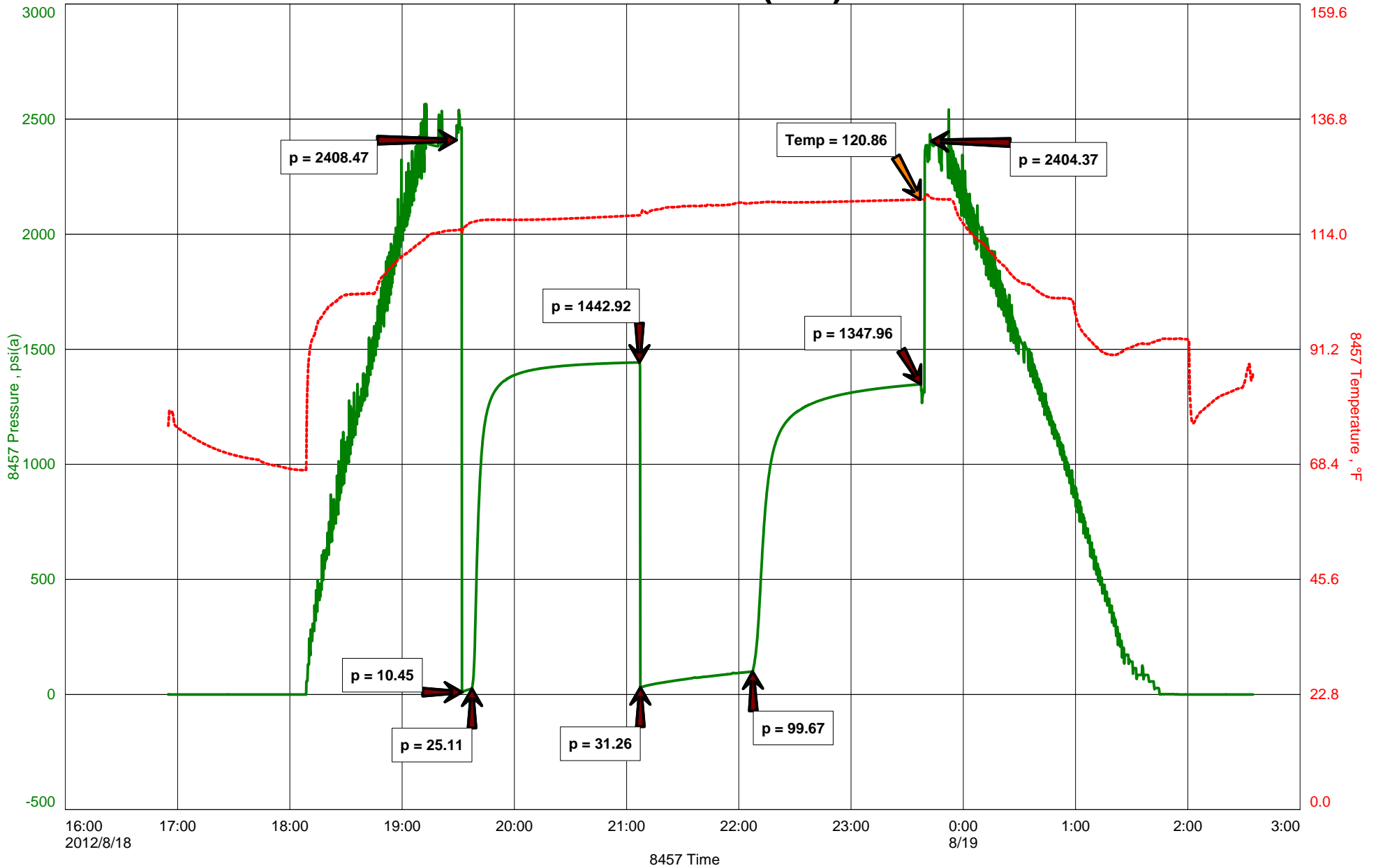
Test Recovery:

RECOVERED: 125' MUD
60' WCM, 35% WATER, 65% MUD
185' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 51% WATER, 49% MUD

CHLORIDES: 19,000 ppm
PH: 7.0
RW: .27 @ 83 deg.

JANTZ #1-30 (SW)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

DIAMOND TESTING

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact MIKE MITCHELL
Well Name JANTZ #1-30 (SW)
Unique Well ID DST #2, ST. LOUIS, 5368-5420
Surface Location SEC 30-28S-30W, GRAY CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, ST. LOUIS, 5368-5420
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2012/08/20
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2012/08/19
Final Test Date 2012/08/20

Start Test Time 17:24:00
Final Test Time 01:10:00

Test Recovery:

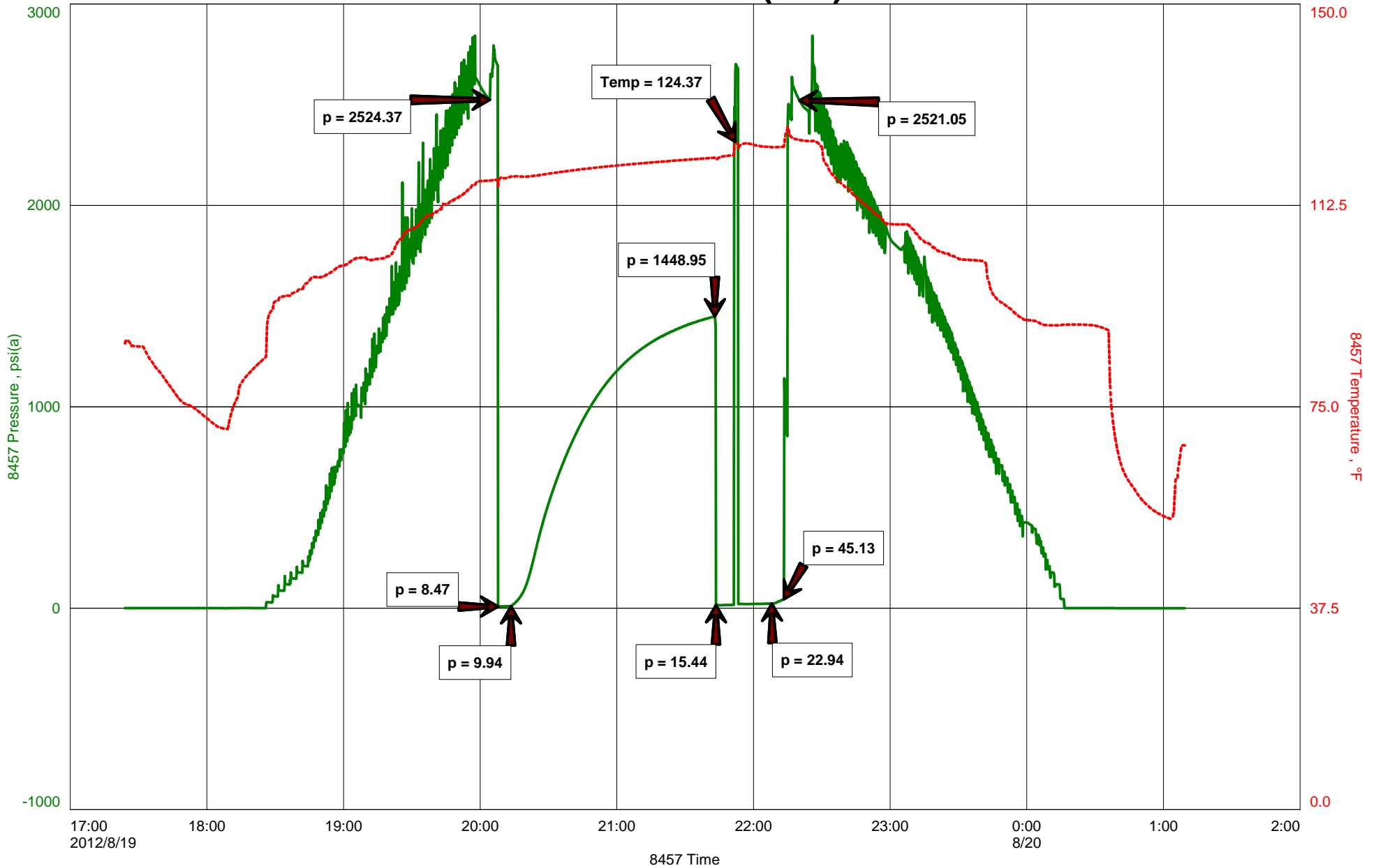
RECOVERED: 10' MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

FALCON EXPLORATION, INC.
DST #2, ST. LOUIS, 5368-5420
Start Test Date: 2012/08/19
Final Test Date: 2012/08/20

JANTZ #1-30 (SW)
Formation: DST #2, ST. LOUIS, 5368-5420
Pool: WILDCAT
Job Number: T083

JANTZ #1-30 (SW)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth _____ ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number _____ Test Tool Length _____ ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	Price Job Other Charges Insurance Total
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	

Time Set Packer(s) _____ A.M. P.M. Time Started Off Bottom _____ A.M. P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

OPERATOR

Company: Falcon Exploration Inc.
 Address: 125 N. Market Suite 1252
 Wichita, KS 67202
 Contact Geologist: Brian Fisher
 Contact Phone Nbr: 316-262-1378
 Well Name: Jantz #1-30
 Location: Sec. 30 - T28S - R30W
 Pool: _____
 State: Kansas
 API: 15-069-20386-0000
 Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: Jantz #1-30
 Surface Location: Sec. 30 - T28S - R30W
 Bottom Location: _____
 API: 15-069-20386-0000
 License Number: 5316
 Spud Date: 8/11/2012 Time: 00:00
 Region: Gray County
 Drilling Completed: 8/20/2012 Time: 06:50
 Surface Coordinates: 1040' FSL & 1470' FWL
 Bottom Hole Coordinates: _____
 Ground Elevation: 2823.00ft
 K.B. Elevation: 2836.00ft
 Logged Interval: 3800.00ft To: 5480.00ft
 Total Depth: 5480.00ft
 Formation: Mississippian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: _____ Latitude: _____
 N/S Co-ord: 1040' FSL
 E/W Co-ord: 1470' FWL

LOGGED BY

Keith Reavis
Consulting Geologist

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

CONTRACTOR

Contractor: Sterling Drilling Company
 Rig #: 5
 Rig Type: mud rotary
 Spud Date: 8/11/2012 Time: 00:00
 TD Date: 8/20/2012 Time: 06:50
 Rig Release: _____ Time: _____

ELEVATIONS

K.B. Elevation: 2836.00ft Ground Elevation: 2823.00ft
 K.B. to Ground: 13.00ft

NOTES

Due to negative Drill Stem Test results and negative Electrical Log Analysis, it was decided by all parties that the Jantz # 1-30 be plugged and abandoned as a dry hole.

A Tooke Daq gas detector operated by Sterling Drilling company was employed on this well. ROP and gas curves were imported into this log, as well as listed electrical log curves.

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

Respectfully submitted,
 Keith Reavis

Falcon Exploration, Inc.
Daily Drilling Report

DATE	7:00 am DEPTH	REMARKS
8/15/2012	3791	Geologist Keith Reavis on location @ 1015 hrs, 3955 ft., drilling ahead Topeka Lecompton, Heebner, Douglas, Lansing
8/16/2012	4728	drilling ahead, Lansing, Stark, Base KC, Trip out PDC and in with Tri-cone @ 4777' drilling ahead, Marmaton
8/17/2012	4978	drilling ahead, Marmaton, Pawnee, Cherokee, Morrow
8/18/2012	5206	show in Morrow warrants test, TOH w/bit in w/tools, conduct DST #1, successful test, TIH w/bit, resume drilling
8/19/2012	5340	drilling ahead, lower Morrow, Chester, St. Gen., St. Louis, show and gas kick in the B porosity warrants test, TOH w/bit and in w/tools, conduct and complete DST #2
8/20/2012	5480	in hole with PDC, rathole to TD of 5480 ft @ 0651 hrs, TOH, conduct and complete open hole logging operations 1645 hrs, geologist off location 1800 hrs

Falcon Exploration, Inc.
Well Comparison Sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Jantz #1-30					C. Jantz #1-19				R. Jantz #1-20			
1040' FSL & 1470' FWL					776' FSL & 1807' FEL				2420' FSL & 1620' FWL			
Sec. 30 T28S R30W					Sec. 19 T28S R30W				Sec. 20 T28S R30W			
2836 KB					2801 KB		Structural Relationship		2788 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka			3808	-972	3778	-977		5		3770	-982	10
Heebner	4145	-1309	4148	-1312	4123	-1322	13	10		4106	-1318	9
Lansing	4252	-1416	4256	-1420	4230	-1429	13	9		4212	-1424	8
Stark	4644	-1808	4643	-1807	4600	-1799	-9	-8		4584	-1796	-12
Marmaton	4775	-1939	4777	-1941	4746	-1945	6	4		4729	-1941	2
Pawnee	4869	-2033	4870	-2034	4842	-2041	8	7		4826	-2038	5
Cherokee	4916	-2080	4914	-2078	4887	-2086	6	8		4874	-2086	6
Morrow	5148	-2312	5147	-2311	5108	-2307	-5	-4		5093	-2305	-7
Miss St. Gen.	5294	-2458	5288	-2452	5234	-2433	-25	-19		5208	-2420	-38
St. Louis B por	5382	-2546	5383	-2547	5328	-2527	-19	-20		5310	-2522	-24
Salem	np				np					5437	-2649	
Warsaw	np				np					5604	-2816	
Osage	np				np					5894	-3106	
Viola	np				np					6186	-3398	
Total Depth	5480	-2644	5480	-2644	5441	-2640	-4	-4		6229	-3441	797

Drill Stem Test #1



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 07:15
 TIME OFF: 16:55

DRILL-STEM TEST TICKET
 FILE: JANTZ1-30SWDST1

Company FALCON EXPLORATION, INC. Lease & Well No. JANTZ #1-30 (SW)
 Contractor STERLING DRILLING, COMPANY RIG #5 Charge to FALCON EXPLORATION, INC.
 Elevation 2836 KB Formation MORROW SD. Effective Pay _____ Ft. Ticket No. T082
 Date 8-18-12 Sec. 30 Twp. _____ 28 S Range _____ 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5142 ft. to 5206 ft. Total Depth 5206 ft.
 Packer Depth 5137 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5142 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

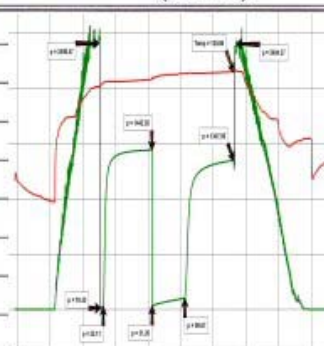
Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 5123 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5203 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity _____ Drill Collar Length 332 ft. I.D. 2 1/4 in.
 Weight 9.05 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2,200 P.P.M. Drill Pipe Length 4777 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Anchor Tool Length 33 ft. Tool Size 3 1/2-FH in.
 Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32 DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1 1/2 INCHES. (NOBB)
 2nd Open: WEAK SURFACE BLOW, BUILDING TO 3 1/2 INCHES. (NOBB)

Recovered 125 ft. of MUD
 Recovered 60 ft. of WCM, 35% WATER, 65% MUD
 Recovered 185 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____
 PH: 7.0
 RW: .27 @ 83 deg.



TOOL SAMPLE: TRACE OIL, 51% WATER, 49% MUD
 Time Set Packer(s) 9:51 AM A.M. P.M. Time Started Off Bottom 1:55 PM A.M. P.M. Maximum Temperature 121 deg.
 Initial Hydrostatic Pressure..... (A) 2408 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 10 P.S.I. to (C) 25 P.S.I.
 Initial Closed In Period..... Minutes 90 (D) 1443 P.S.I.
 Final Flow Period..... Minutes 60 (E) 31 P.S.I. to (F) 100 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 1348 P.S.I.
 Final Hydrostatic Pressure..... (H) 2404 P.S.I.

Drill Stem Test #2



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: JANTZ1-30SWDST2

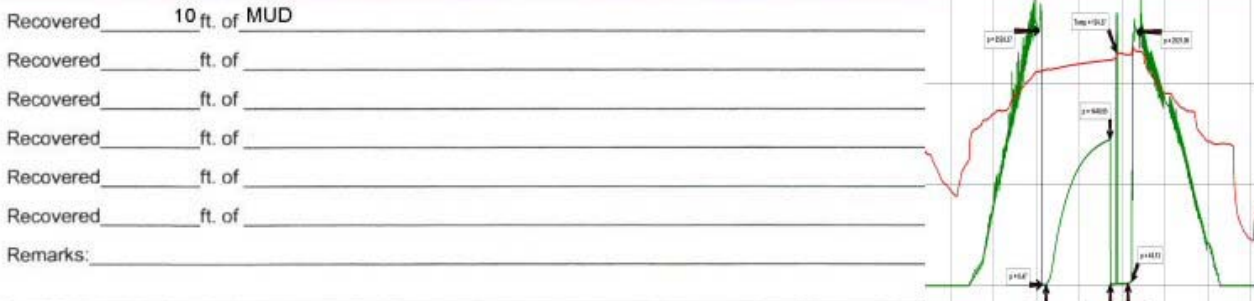
TIME ON: 17:24 8-19-12
 TIME OFF: 01:10 8-20-12

Company **FALCON EXPLORATION, INC.** Lease & Well No. **JANTZ #1-30 (SW)**
 Contractor **STERLING DRILLING, COMPANY RIG #5** Charge to **FALCON EXPLORATION, INC.**
 Elevation **2836 KB** Formation **ST. LOUIS** Effective Pay _____ Ft. Ticket No. **T083**
 Date **8-19-12** Sec. **30** Twp. _____ 28 S Range **30 W** County **GRAY** State **KANSAS**
 Test Approved By **KEITH REAVIS** Diamond Representative **TIMOTHY T. VENTERS**

Formation Test No. **2** Interval Tested from **5349 ft.** to **5420 ft.** Total Depth **5420 ft.**
 Packer Depth **5363 ft.** Size **6 3/4 in.** Packer depth _____ ft. Size **6 3/4 in.**
 Packer Depth **5368 ft.** Size **6 3/4 in.** Packer depth _____ ft. Size **6 3/4 in.**

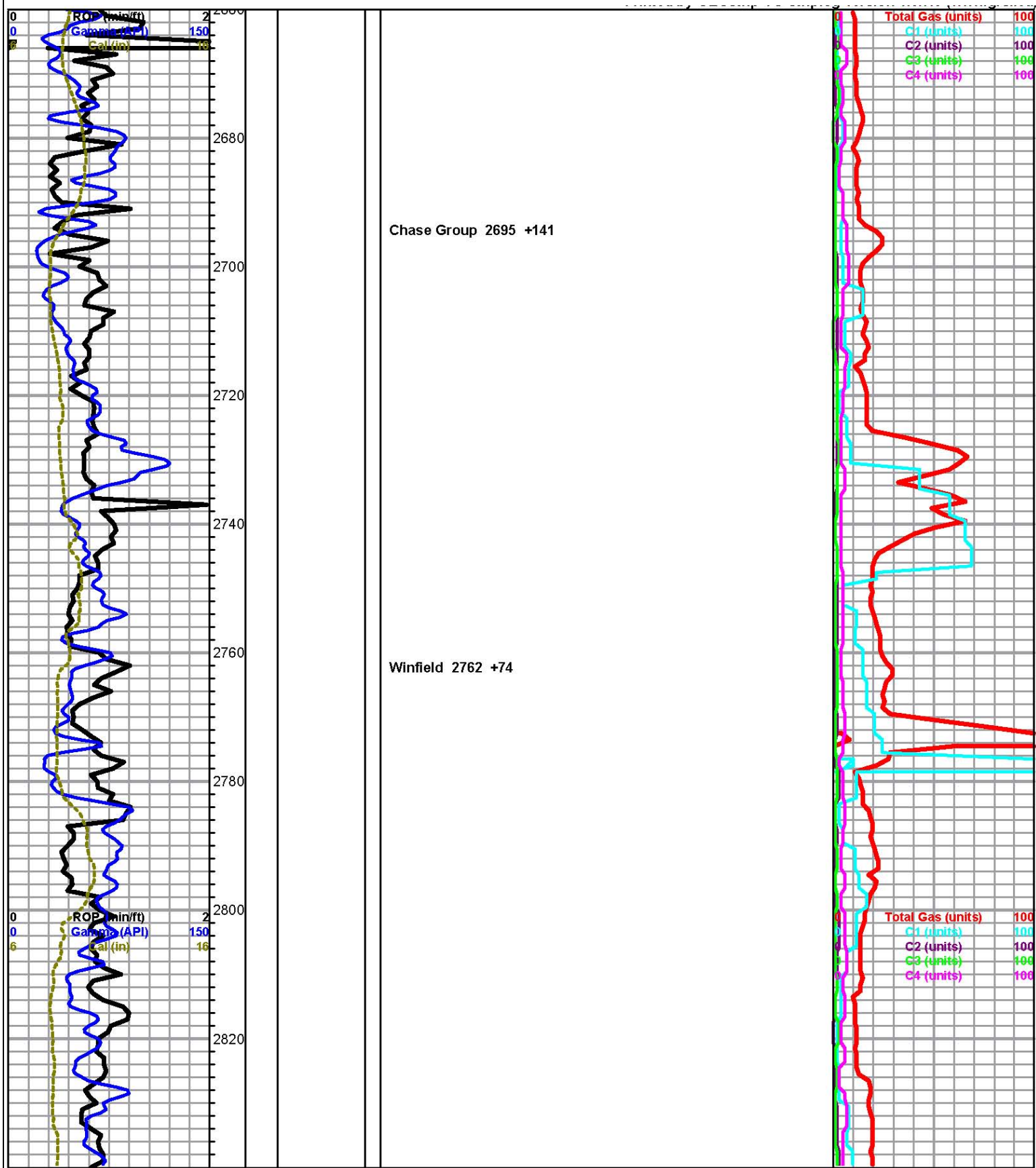
Depth of Selective Zone Set
 Top Recorder Depth (Inside) **5349 ft.** Recorder Number **8457** Cap. **10,000 P.S.I.**
 Bottom Recorder Depth (Outside) **5417 ft.** Recorder Number **11029** Cap. **5,025 P.S.I.**
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type **CHEMICAL** Viscosity **50** Drill Collar Length **332 ft.** I.D. **2 1/4 in.**
 Weight **9.1** Water Loss **8.8 cc.** Weight Pipe Length **0 ft.** I.D. **2 7/8 in.**
 Chlorides **2,800 P.P.M.** Drill Pipe Length **5003 ft.** I.D. **3 1/2 in.**
 Jars: Make **STERLING** Serial Number **4** Test Tool Length **33 ft.** Tool Size **3 1/2-IF in.**
 Did Well Flow? **NO** Reversed Out **NO** Anchor Length **20 ft.** Size **4 1/2-FH in.**
 Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH in.** 32' DP IN ANCHOR Surface Choke Size **1 in.** Bottom Choke Size **5/8 in.**

Blow: 1st Open: **WEAK SURFACE BLOW THROUGHOUT PERIOD. (NOBB)**
 2nd Open: **NO BLOW AT THE START OF THE PERIOD. WE FLUSHED TOOL @ 9 MIN. & GOT A SURFACE BLOW LASTING 7 MIN. (NOBB)**



TOOL SAMPLE: TRACE OIL, 100% MUD
 Time Set Packer(s) **8:07 AM** A.M. P.M. Time Started Off Bottom **10:12 PM** A.M. P.M. Maximum Temperature **124 deg.**
 Initial Hydrostatic Pressure _____ (A) **2524 P.S.I.**
 Initial Flow Period _____ Minutes **5** (B) **8 P.S.I. to (C) 10 P.S.I.**
 Initial Closed In Period _____ Minutes **90** (D) **1449 P.S.I.**
 Final Flow Period _____ Minutes **25** (E) **15 P.S.I. to (F) 23 P.S.I.**
 Final Closed In Period _____ Minutes **5** (G) **45 P.S.I.**
 Final Hydrostatic Pressure _____ (H) **2521 P.S.I.**

Shallow Gas Log



ROCK TYPES

- Clystgy
- sdylmst
- Lmst fw<7
- Lmst fw7>
- shale, grn
- shale, gry
- Carbon Sh
- shale, red
- Ss

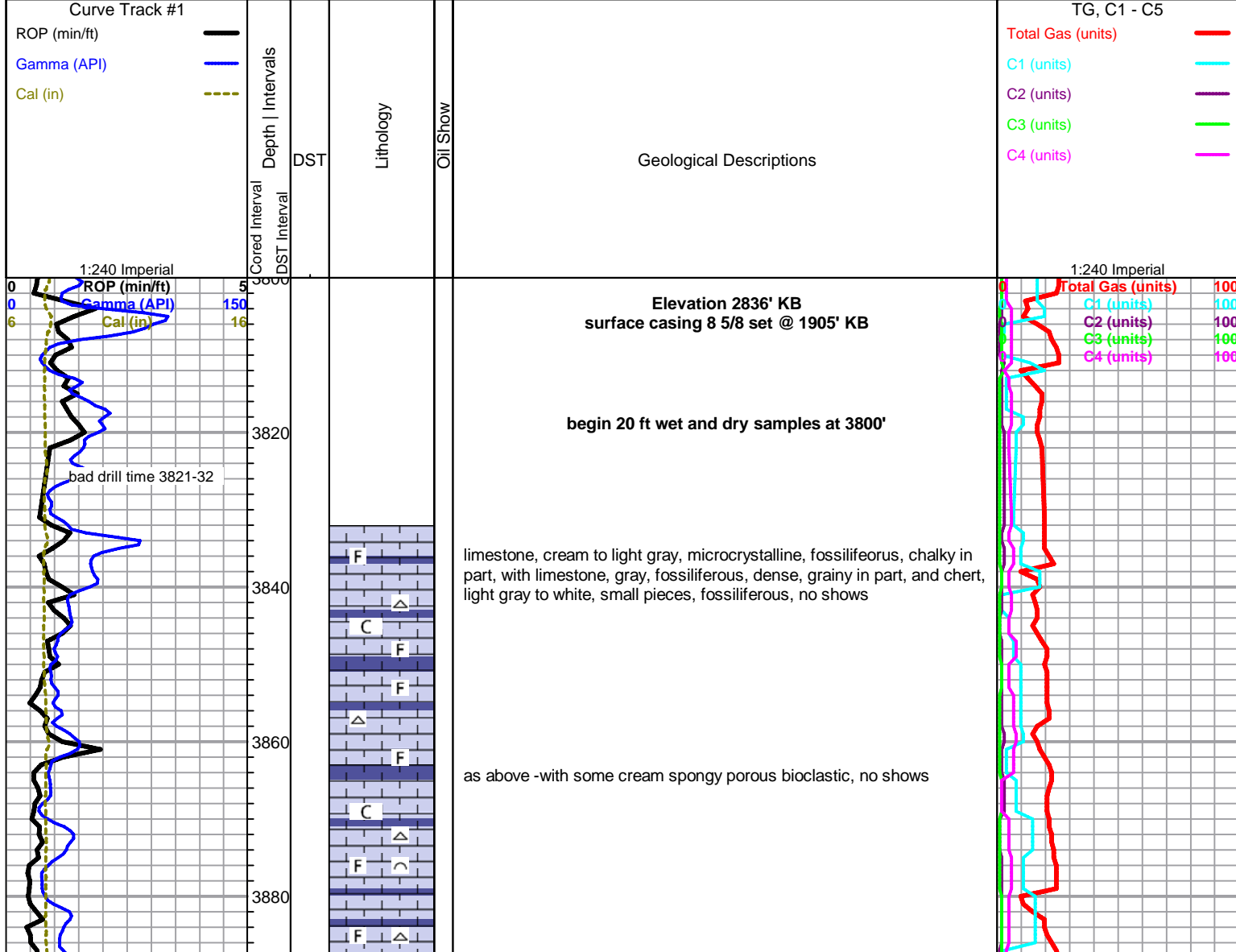
ACCESSORIES

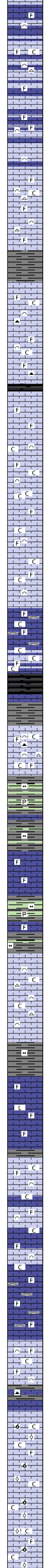
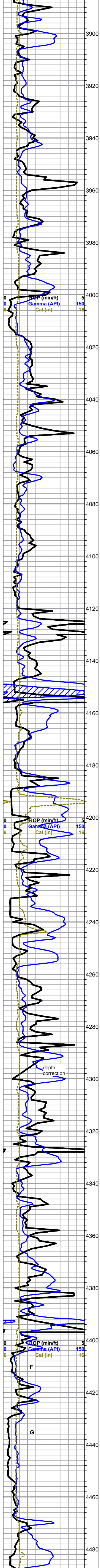
- MINERAL**
 - ▲ Chert, dark
 - ∩ Glauconite
 - P Pyrite
 - Silty
 - △ Chert White
- FOSSIL**
 - ∩ Bioclastic or Fragmental
 - F Fossils < 20%
 - ∩ Oolite
 - ∩ Pellets
 - ∩ Oomoldic
- STRINGER**
 - ∩ Conglomerate
 - ∩ Dolomite
 - ∩ Limestone
 - ∩ Sandstone
 - ∩ Siltstone
 - ∩ Shale
 - ∩ green shale
 - ∩ red shale
 - ∩ carb shale
- TEXTURE**
 - C Chalky
 - CX Cryptocrystalline
 - L Lithogr

OTHER SYMBOLS

- MISC**
 - DR Daily Report
 - Digital Photo
 - Document
 - Folder
 - Link
 - Vertical Log File
 - Horizontal Log File
 - Core Log File
 - Drill Cuttings Rpt
- DST**
 - DST Int
 - DST alt
 - Core
 - tail pipe

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limestone, cream to light gray, fossiliferous, with limestone, gray, dense fossiliferous, some mixed cream to tan bioclastic, some very porous to spongy, no shows, some scattered cherts

limestone, mixed cream to light gray fossiliferous, some bioclastic, some denser gray fossiliferous

limestone, light gray to cream and white, fossiliferous to bioclastic, some slightly chalky, poor overall visible porosity, some scattered gray to white spiculitic to fossiliferous cherts, no shows

shale, light gray to light brown, silty

limestone, mixed fossiliferous to bioclastic, some scattered gray to dark gray chert, slightly chalky

as above

limestone, mixed gray to cream and white, fossiliferous to bioclastic, some scattered porosity, no shows, abundant chalk

as above

limestone, light gray, microcrystalline, dense, fossiliferous, trace pyritic with gray shales, abundant chalk

as above, flood chalk

Heebner 4145 -1309
shale, black carbonaceous

Toronto
limestone, light gray to white, microcrystalline, fossiliferous to bioclastic, grainy, some interclast porosity, no shows, light fluorescence, abundant chalk in samples, abundant light gray to white fossiliferous chert

Douglas 4184 -1348
shale, light gray to light green, silty, some pyrite nodules

limestone, gray, cryptocrystalline, fossiliferous, dense, some grainy, no shows

shales as above

Lansing 4252 -1416
limestone, cream, microcrystalline, bioclastic, cherty in part, poor visible porosity, abundant chert, white to light gray, fossiliferous, sharp, fresh, no shows, moderate chalk in samples

shale, gray, silty

limestone, light gray, cryptocrystalline, fossiliferous to sub-lithographic, fairly dense, no visible shows

limestone, mixed light gray to cream, chalky fossiliferous, some bioclastic, some chalk in samples, no shows

as above, influx gray to dark gray limestone, microcrystalline, arenaceous to slightly mottled

limestone, light gray to gray, mottled fossiliferous, some shaley, with shale, limey, gray, pelletal to fossiliferous, no shows

limestone, light gray to cream and gray, fossiliferous to bioclastic, grainy, poor visible porosity, no shows, some chalk

dark gray fossiliferous limestone, dense limey shale, dark gray pyritic chert

limestone, tan to light gray, oolitic to oomoldic, some fair to good oomold porosity, barren, some mixed fossiliferous chalky limestone, flood of chalk, heavy chalky wash

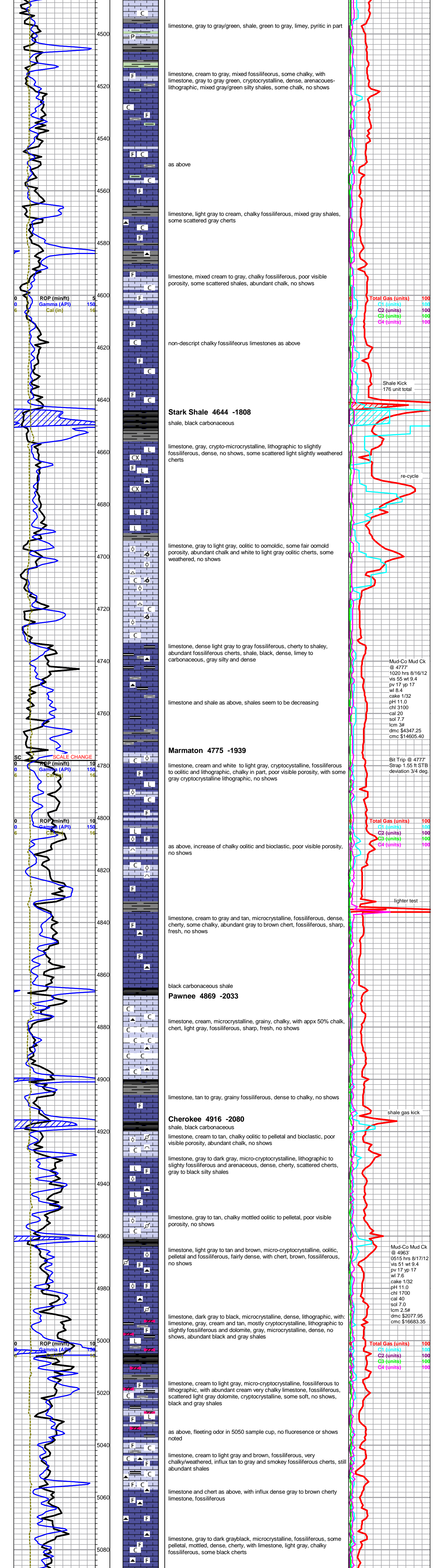
limestone, as above, still abundant soft chalk, chalky fossiliferous limestones, no shows

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

Mud-Co Mud Ck
 @ 4037
 1145 hrs 8/15/12
 vis S1 wt 9.2
 pv 15 yp 15
 wl 11.2
 cake 1/32
 pH 9.0
 chl 3300
 cal 80
 sol 6.3
 lcm 1#
 dmc \$660.30
 cmc \$10258.15

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

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



limestone, gray to gray/green, shale, green to gray, limey, pyritic in part

limestone, cream to gray, mixed fossiliferous, some chalky, with limestone, gray to gray green, cryptocrystalline, dense, arenaceous-lithographic, mixed gray/green silty shales, some chalk, no shows

as above

limestone, light gray to cream, chalky fossiliferous, mixed gray shales, some scattered gray cherts

limestone, mixed cream to gray, chalky fossiliferous, poor visible porosity, some scattered shales, abundant chalk, no shows

non-descript chalky fossiliferous limestones as above

Stark Shale 4644 -1808

shale, black carbonaceous

limestone, gray, crypto-microcrystalline, lithographic to slightly fossiliferous, dense, no shows, some scattered light slightly weathered cherts

limestone, gray to light gray, oolitic to oomoldic, some fair oomold porosity, abundant chalk and white to light gray oolitic cherts, some weathered, no shows

limestone, dense light gray to gray fossiliferous, cherty to shaley, abundant fossiliferous cherts, shale, black, dense, limey to carbonaceous, gray silty and dense

limestone and shale as above, shales seem to be decreasing

Marmaton 4775 -1939

limestone, cream and white to light gray, cryptocrystalline, fossiliferous to oolitic and lithographic, chalky in part, poor visible porosity, with some gray cryptocrystalline lithographic, no shows

as above, increase of chalky oolitic and bioclastic, poor visible porosity, no shows

limestone, cream to gray and tan, microcrystalline, fossiliferous, dense, cherty, some chalky, abundant gray to brown chert, fossiliferous, sharp, fresh, no shows

Pawnee 4869 -2033

black carbonaceous shale

limestone, cream, microcrystalline, grainy, chalky, with appx 50% chalk, chert, light gray, fossiliferous, sharp, fresh, no shows

limestone, tan to gray, grainy fossiliferous, dense to chalky, no shows

Cherokee 4916 -2080

shale, black carbonaceous

limestone, cream to tan, chalky oolitic to pelletal and bioclastic, poor visible porosity, abundant chalk, no shows

limestone, gray to dark gray, micro-cryptocrystalline, lithographic to slightly fossiliferous and arenaceous, dense, cherty, scattered cherts, gray to black silty shales

limestone, gray to tan, chalky mottled oolitic to pelletal, poor visible porosity, no shows

limestone, light gray to tan and brown, micro-cryptocrystalline, oolitic, pelletal and fossiliferous, fairly dense, with chert, brown, fossiliferous, no shows

limestone, dark gray to black, microcrystalline, dense, lithographic, with: pelletal and fossiliferous and dolomite, gray, microcrystalline, dense, no shows, abundant black and gray shales

limestone, cream to light gray, micro-cryptocrystalline, fossiliferous to lithographic, with abundant very chalky limestone, fossiliferous, scattered light gray dolomite, cryptocrystalline, some soft, no shows, black and gray shales

as above, fleeting odor in 5050 sample cup, no fluorescence or shows noted

limestone, cream to light gray and brown, fossiliferous, very chalky/weathered, influx tan to gray and smokey fossiliferous cherts, still abundant shales

limestone and chert as above, with influx dense gray to brown cherty limestone, fossiliferous

limestone, gray to black, microcrystalline, fossiliferous, some pelletal, mottled, dense, cherty, with limestone, light gray, chalky fossiliferous, some black cherts

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

Shale Kick
176 unit total

Mud-Co Mud Ck
@ 4777
1020 hrs 8/16/12
vis 55 wt 9.4
pv 17 yp 17
wl 8.4
cake 1/32
pH 11.0
chl 3100
cal 20
sol 7.7
lcm 3#
dmc \$4347.25
cmc \$14605.40

Bit Trip @ 4777
Strap 1.55 ft STB
deviation 3/4 deg.

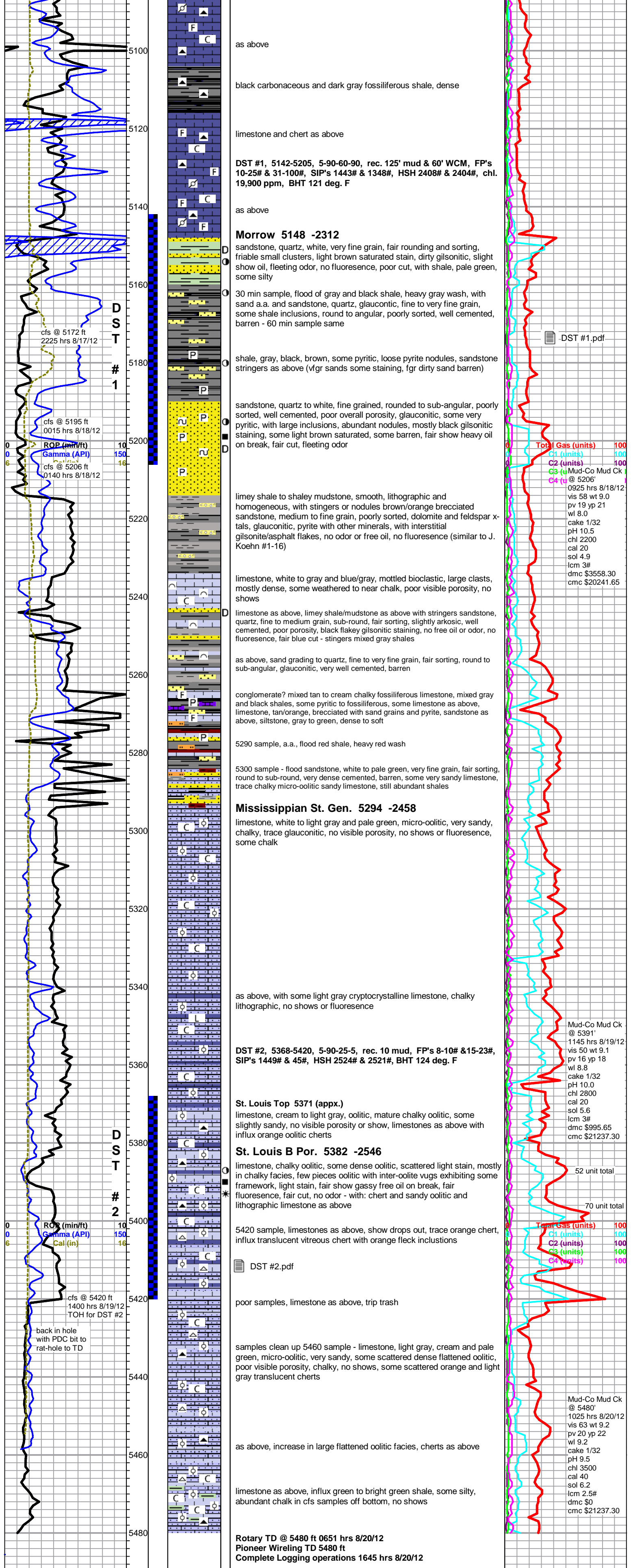
Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

lighter test

shale gas kick

Mud-Co Mud Ck
@ 4963
0515 hrs 8/17/12
vis 51 wt 9.4
pv 17 yp 17
wl 7.6
cake 1/32
pH 11.0
chl 1700
cal 40
sol 7.0
lcm 2.5#
dmc \$2077.95
cmc \$16683.35

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



as above

black carbonaceous and dark gray fossiliferous shale, dense

limestone and chert as above

DST #1, 5142-5205, 5-90-60-90, rec. 125' mud & 60' WCM, FP's 10-25# & 31-100#, SIP's 1443# & 1348#, HSH 2408# & 2404#, chl. 19,900 ppm, BHT 121 deg. F

as above

Morrow 5148 -2312

sandstone, quartz, white, very fine grain, fair rounding and sorting, friable small clusters, light brown saturated stain, dirty gilsonitic, slight show oil, fleeting odor, no fluorescence, poor cut, with shale, pale green, some silty

30 min sample, flood of gray and black shale, heavy gray wash, with sand a.a. and sandstone, quartz, glauconitic, fine to very fine grain, some shale inclusions, round to angular, poorly sorted, well cemented, barren - 60 min sample same

shale, gray, black, brown, some pyritic, loose pyrite nodules, sandstone stringers as above (vgr sands some staining, fgr dirty sand barren)

sandstone, quartz to white, fine grained, rounded to sub-angular, poorly sorted, well cemented, poor overall porosity, glauconitic, some very pyritic, with large inclusions, abundant nodules, mostly black gilsonitic staining, some light brown saturated, some barren, fair show heavy oil on break, fair cut, fleeting odor

limey shale to shaley mudstone, smooth, lithographic and homogeneous, with stingers or nodules brown/orange brecciated sandstone, medium to fine grain, poorly sorted, dolomite and feldspar x-tals, glauconitic, pyrite with other minerals, with interstitial gilsonite/asphalt flakes, no odor or free oil, no fluorescence (similar to J. Koehn #1-16)

limestone, white to gray and blue/gray, mottled bioclastic, large clasts, mostly dense, some weathered to near chalk, poor visible porosity, no shows

limestone as above, limey shale/mudstone as above with stringers sandstone, quartz, fine to medium grain, sub-round, fair sorting, slightly arkosic, well cemented, poor porosity, black flakey gilsonitic staining, no free oil or odor, no fluorescence, fair blue cut - stingers mixed gray shales

as above, sand grading to quartz, fine to very fine grain, fair sorting, round to sub-angular, glauconitic, very well cemented, barren

conglomerate? mixed tan to cream chalky fossiliferous limestone, mixed gray and black shales, some pyritic to fossiliferous, some limestone as above, limestone, tan/orange, brecciated with sand grains and pyrite, sandstone as above, siltstone, gray to green, dense to soft

5290 sample, a.a., flood red shale, heavy red wash

5300 sample - flood sandstone, white to pale green, very fine grain, fair sorting, round to sub-round, very dense cemented, barren, some very sandy limestone, trace chalky micro-oolitic sandy limestone, still abundant shales

Mississippian St. Gen. 5294 -2458

limestone, white to light gray and pale green, micro-oolitic, very sandy, chalky, trace glauconitic, no visible porosity, no shows or fluorescence, some chalk

as above, with some light gray cryptocrystalline limestone, chalky lithographic, no shows or fluorescence

DST #2, 5368-5420, 5-90-25-5, rec. 10 mud, FP's 8-10# & 15-23#, SIP's 1449# & 45#, HSH 2524# & 2521#, BHT 124 deg. F

St. Louis Top 5371 (appx.)

limestone, cream to light gray, oolitic, mature chalky oolitic, some slightly sandy, no visible porosity or show, limestones as above with influx orange oolitic cherts

St. Louis B Por. 5382 -2546

limestone, chalky oolitic, some dense oolitic, scattered light stain, mostly in chalky facies, few pieces oolitic with inter-oolite vugs exhibiting some framework, light stain, fair show gassy free oil on break, fair fluorescence, fair cut, no odor - with: chert and sandy oolitic and lithographic limestone as above

5420 sample, limestones as above, show drops out, trace orange chert, influx translucent vitreous chert with orange fleck inclusions

DST #2.pdf

poor samples, limestone as above, trip trash

samples clean up 5460 sample - limestone, light gray, cream and pale green, micro-oolitic, very sandy, some scattered dense flattened oolitic, poor visible porosity, chalky, no shows, some scattered orange and light gray translucent cherts

as above, increase in large flattened oolitic facies, cherts as above

limestone as above, influx green to bright green shale, some silty, abundant chalk in cfs samples off bottom, no shows

**Rotary TD @ 5480 ft 0651 hrs 8/20/12
Pioneer Wireline TD 5480 ft
Complete Logging operations 1645 hrs 8/20/12**

DST #1.pdf

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100
Mud-Co Mud Ck @ 5206' 0925 hrs 8/18/12
vis 58 wt 9.0
pv 19 yp 21
wl 8.0
cake 1/32
pH 10.5
chl 2200
cal 20
sol 4.9
lcm 3#
dmc \$3558.30
cmc \$20241.65

Mud-Co Mud Ck @ 5391' 1145 hrs 8/19/12
vis 50 wt 9.1
pv 16 yp 18
wl 8.8
cake 1/32
pH 10.0
chl 2800
cal 20
sol 5.6
lcm 3#
dmc \$995.65
cmc \$21237.30

52 unit total
70 unit total
Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100

Mud-Co Mud Ck @ 5480' 1025 hrs 8/20/12
vis 63 wt 9.2
pv 20 yp 22
wl 9.2
cake 1/32
pH 9.5
chl 3500
cal 40
sol 6.2
lcm 2.5#
dmc \$0
cmc \$21237.30