



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1112396  
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: \_\_\_\_\_



1112396

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	WARD 1-31(SE)
Doc ID	1112396

All Electric Logs Run

DIL
MEL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	WARD 1-31(SE)
Doc ID	1112396

Tops

Name	Top	Datum
STOTLER	3534	-713
TARKIO	3602	-781
LANSING	4249	-1428
PAWNEE	4869	-2048
CHEROKEE	4909	-2088
MORROW	5131	-2310
MORROW SS	5168	-2347
CHESTER	5231	-2410
ST GEN	5270	-2449
ST LOUIS POR	5384	-2563

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

January 31, 2013

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

Re: ACO1  
API 15-069-20402-00-00  
WARD 1-31(SE)  
SE/4 Sec.31-28S-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

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** FALCON EXPLORATION, INC.  
**Contact** MIKE MITCHELL  
**Well Name** WARD #1-31 (SE)  
**Unique Well ID** DST #1, MORROW, 5134-5235  
**Surface Location** SEC 31-28S-30W, GRAY CO. KS.  
**Field** WILDCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, MORROW, 5134-5235  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** FALCON EXPLORATION, INC.  
**Report Date** 2012/10/23  
**Prepared By** TIM VENTERS  
**Qualified By** KEITH REAVIS

**Start Test Date** 2012/10/23  
**Final Test Date** 2012/10/23

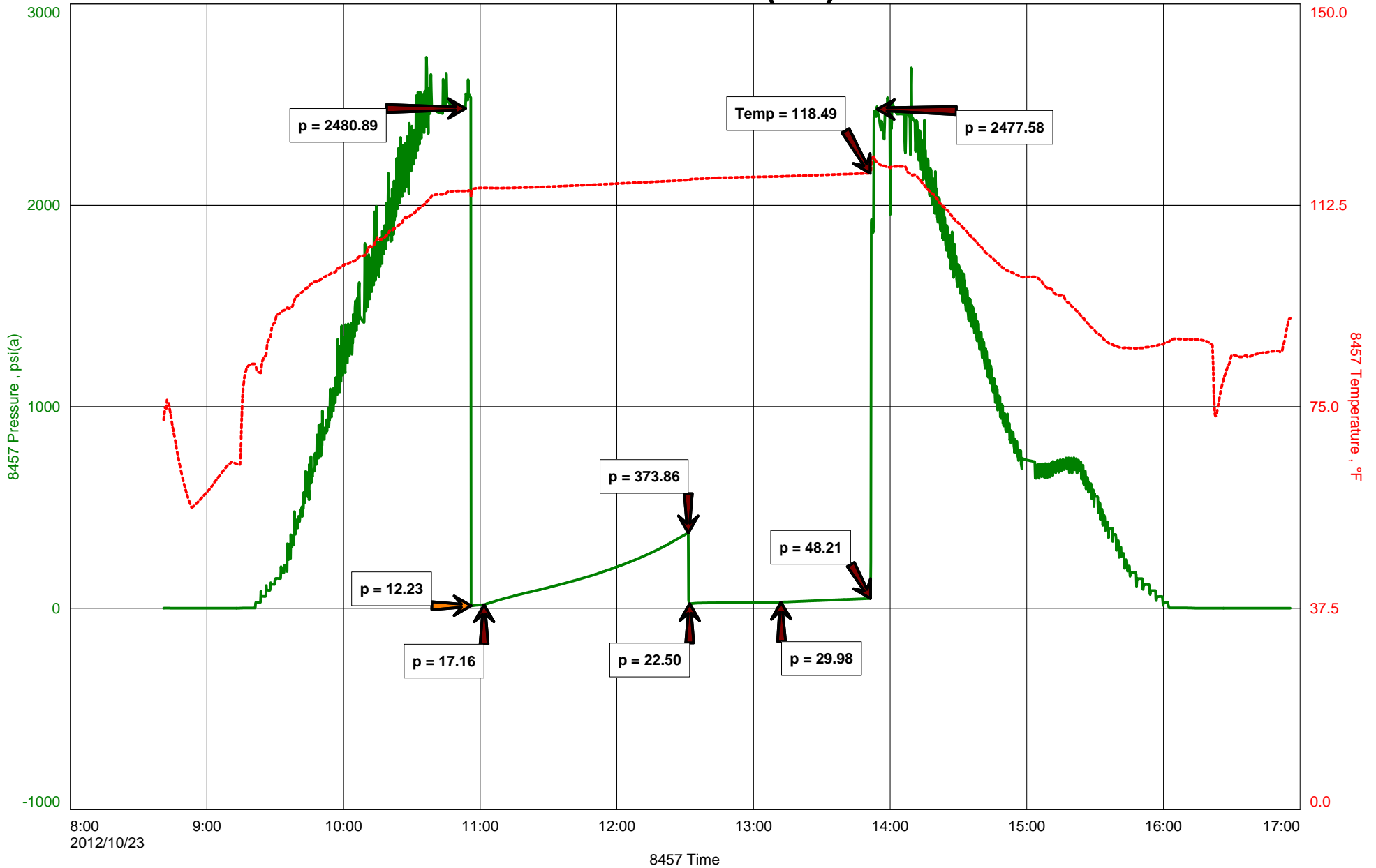
**Start Test Time** 08:41:00  
**Final Test Time** 16:56:00

### Test Recovery:

RECOVERED: 30' MUD

TOOL SAMPLE: 100% MUD

# WARD #1-31 (SE)





**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.



# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** FALCON EXPLORATION, INC.  
**Contact** MIKE MITCHELL  
**Well Name** WARD #1-31 (SE)  
**Unique Well ID** DST #2, MISS.-ST. LOUIS, 5377-5416  
**Surface Location** SEC 31-28S-30W, GRAY CO. KS.  
**Field** WILDCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #2, MISS.-ST. LOUIS, 5377-5416  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** FALCON EXPLORATION, INC.  
**Report Date** 2012/10/25  
**Prepared By** TIM VENTERS  
**Qualified By** KEITH REAVIS

**Start Test Date** 2012/10/24  
**Final Test Date** 2012/10/25

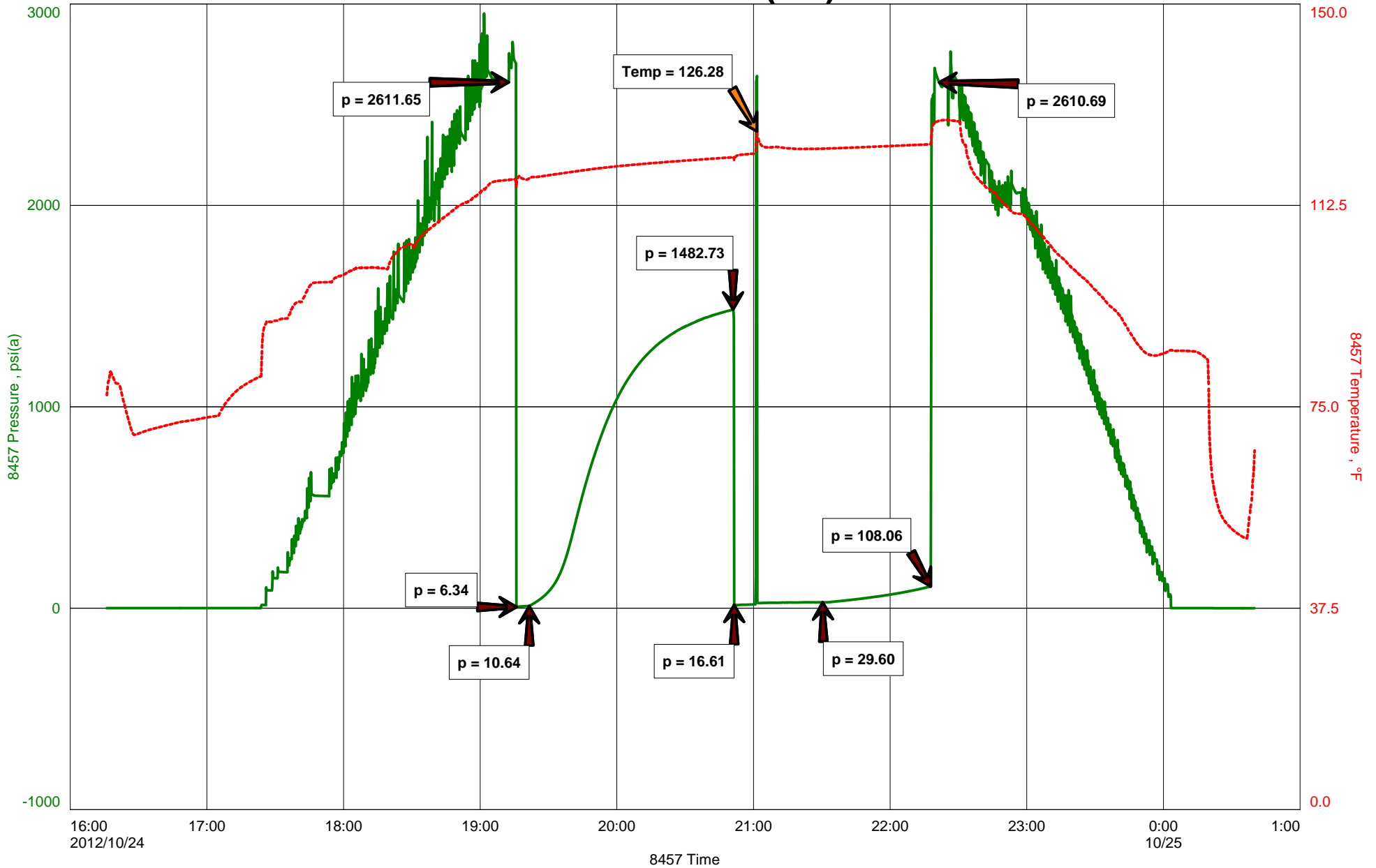
**Start Test Time** 16:16:00  
**Final Test Time** 00:40:00

### Test Recovery:

RECOVERED: 40' M W/TR. OIL, TRACE OIL, 100% MUD

TOOL SAMPLE: 2% OIL, 98% MUD

# WARD #1-31 (SE)





**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.

# ALLIED OIL & GAS SERVICES, LLC K1) 052624

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal KS

DATE <u>10-26-12</u>	SEC <u>31</u>	TWP <u>28S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30A.M.</u>	JOB FINISH <u>7:30A.M.</u>
LEASE <u>Ward SE</u>	WELL # <u>1-31</u>	LOCATION <u>N-Coopeland KS</u>			COUNTY <u>Gray</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR \_\_\_\_\_  
 TYPE OF JOB PTA-  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 8 5/8 24 FT DEPTH 1900 feet  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 16.6 FT DEPTH 1910 feet  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 413 feet  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Falcon Exploration  
 CEMENT AMOUNT ORDERED 160 sk 60/40 47.6 cu.

EQUIPMENT

PUMP TRUCK CEMENTER Ruben Chavez 1  
 # 457/484 HELPER Cesar Pavia 2  
 BULK TRUCK  
 # 496/291 DRIVER Ricardo Estrada 2  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	_____	_____
<u>ALC2A 160</u>	@	<u>15.95</u>	<u>2,552.00</u>
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
HANDLING <u>166 G.ft</u>	@	<u>2.48</u>	<u>411.60</u>
MILEAGE <u>287.2 T.M.</u>	@	<u>2.60</u>	<u>746.72</u>
TOTAL			<u>3,710.40</u>

REMARKS:  
Mix pump 50 sk at 1910', 40 sk at 750', 20 sk at 60' and 20 sk Mouse hole, 30 sk at Rat hole. Circulate Cement to surface.

Thank you

SERVICE

DEPTH OF JOB	_____	<u>1910 feet</u>
PUMP TRUCK CHARGE	_____	<u>1,250.00</u>
EXTRA FOOTAGE	@	_____
MILEAGE <u>heavy ve. 40M</u>	@	<u>7.70</u> <u>308.00</u>
MANIFOLD	@	_____
<u>light Vchrs 40M</u>	@	<u>4.40</u> <u>176.00</u>
TOTAL		<u>1,734.00</u>

CHARGE TO: Falcon Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____

To: Allied Oil & Gas Services, 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.

TOTAL \_\_\_\_\_

SALES TAX (If Any) 405.60

TOTAL CHARGES 5,444.40

DISCOUNT 1633.35 IF PAID IN 30 DAYS

PRINTED NAME ALAN LOFTIS  
 SIGNATURE alan loftis

NET = 3,811.05

# ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

KB  
27190

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

SERVICE POINT:  
LIBERTY, KS

DATE 10-18-12	SEC 31	TWP 25	RANGE 30W	CALLLED OUT	ON LOCATION	JOB START 9:00 AM	JOB FINISH 11:00 AM
LEASE WARD	WELL # 1-31	LOCATION Copland Ks N#	COUNTY GIBBY	STATE KS			
OLD OR (NEW) (Circle one)			144	WLB Rig		1.01	7.45

CONTRACTOR STERLING #5	OWNER SAME
TYPE OF JOB 8 1/4" SURFACE	CEMENT AMOUNT ORDERED 450 SKA 3" OCC
HOLE SIZE 12 1/4"	T.D. 2893'
CASING SIZE 24" 8 1/4"	DEPTH 1888'
TUBING SIZE	DEPTH
DRILL PIPE 4 1/2"	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT 42.66'
CEMENT LEFT IN CSG. 42.66'	
PERFS.	
DISPLACEMENT 117.3 BBL	EQUIPMENT

PUMP TRUCK CEMENTER  
# 539/484 HELPER  
BULK TRUCK  
# FB 550 DRIVER  
BULK TRUCK  
# DRIVER

COMMON	A	450	@	1920	8055.00
POZMIX			@		
GEL			@		
CHLORIDE	195K		@	6400	1216.00
ASC			@		
CLASS C	150 SK		@	2040	3660.00
CLASS C	95K		@	3700	3384.00
10-45	846 #		@	3.70	2791.80
Flo Seal	113 #		@	2.97	335.61
HANDLING	600.4		@	2.45	1637.29
MILEAGE	1176		@	2.00	3109.20
TOTAL					21144.20

REMARKS:

Thank You

CHARGE TO: FALCON Exp  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB	1888'		
PUMP TRUCK CHARGE		@	2213.75
EXTRA FOOTAGE		@	
MILEAGE 40 mi.		@	720 308.00
MANIFOLD		@	275.00
CTUEL 2: 40 mi		@	440 176.00
TOTAL			2972.75

PLUG & FLOAT EQUIPMENT

1- GUN DE SHOE	@	460.00
1- AFU	@	406.00
3- CENTRALIZER	@	74.00
3- SASSKET	@	224.00
1- 5" W PLY	@	131.00
TOTAL		2971.00

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX	1440.69		
TOTAL CHARGE	27058.33		27058.33
DISCOUNT	18940.83		
IF PAID IN 30 DAYS			

SIGNATURE [Signature]

PRINTED NAME

**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: Ward #1-31 (SE)  
 Location: Sec. 31 - T28S - R30W  
 Pool: Sec. 31 - T28S - R30W  
 State: Kansas  
 API: 15-069-20402-0000  
 Field: Wildcat  
 Country: USA

Scale 1:240 Imperial

Well Name: Ward #1-31 (SE)  
 Surface Location: Sec. 31 - T28S - R30W  
 Bottom Location:  
 API: 15-069-20402-0000  
 License Number: 5316  
 Spud Date: 10/16/2012 Time: 00:00  
 Region: Gray County  
 Drilling Completed: 10/25/2012 Time: 10:30  
 Surface Coordinates: 2445' FSL & 1370' FEL  
 Bottom Hole Coordinates:  
 Ground Elevation: 2808.00ft  
 K.B. Elevation: 2821.00ft To: 5485.00ft  
 Logged Interval: 3400.00ft  
 Total Depth: 5485.00ft  
 Formation: Morrow/Mississippian  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: Latitude:  
 N/S Co-ord: 2445' FSL  
 E/W Co-ord: 1370' FEL

**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 #: Rig #5  
 Rig Type: mud rotary Time: 00:00  
 Spud Date: 10/16/2012 Time: 10:30  
 TD Date: 10/25/2012  
 Rig Release: Time:

**ELEVATIONS**

K.B. Elevation: 2821.00ft Ground Elevation: 2808.00ft  
 K.B. to Ground: 13.00ft

**NOTES**

Due to negative drill stem tests, it was determined that the Ward #1-31 be plugged and abandoned as a dry test.  
 A Tooke Daq gas detection system operated by Sterling Drilling was employed on this well. ROP and gas data were imported into this mudlog. The caliper and gamma ray were also imported from the electrical log data. Sample formation picks were generally within 2-4 ft. of actual electrical log tops, these curves were not shifted to provide an exact match, but rather left as recorded in the field.  
 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
10/20/2012		Geologist Keith Reavis on location @ 1700 hrs, 3505 ft., drilling ahead Stotler, Tarkio
10/21/2012	4135	drilling Topeka, Lecompton, Tooke Daq computer crashed, pull up, circ, wait on replacement computer, resume drilling 0935 hrs, drill Douglas, Lansing
10/22/2012	5064	drilling base KC, Marmaton, Pawnee, Cherokee, bit trip @ 5064', 0630 hrs, out with PDC, in with button, ctch, resume drlg., Cherokee, Morrow
10/23/2012	5235	drilling Morrow, Chester, stop, TOH for DST #1, conduct and complete DST #1, successful test, out w/tools TIH w/bit, ctch, resume drilling
10/24/2012	5359	drilling St. Gen, St. Louis, show in St. Louis warrants test, ctch, TOH w/ bit in w/tools, conducting DST #2
10/25/2012	5449	complete DST #2, TIH w/bit, rathole ahead to TD of 5485 @ 1030 hrs conduct and complete logging operations, geologist released 2050 hrs

**Falcon Exploration, Inc.**  
**well comparison sheet**

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Ward #1-31 (SE)					James Koehn No. 1-31 (NW)				Sherlyn Koehn No. 1-31 (SW)			
2445' FSL & 1370' FEL					2310' FNL & 1670' FWL				1700' FSL and 2000' FWL			
Sec 31-T28S-R30W					Sec 31-T28S-R30W				Sec 31-T28S-R30W			
2821 KB					2842 KB		Structural Relationship		2842 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Stotler	3536	-715	3534	-713	3542	-700	-15	-13	3544	-702	-13	-11
Tarkio	3602	-781	3602	-781	3609	-767	-14	-14	3611	-769	-12	-12
Topeka	3804	-983	3804	-983	3813	-971	-12	-12	3817	-975	-8	-8
Heebner	4140	-1319	4140	-1319	4148	-1306	-13	-13	4154	-1312	-7	-7
Douglas	4181	-1360	4178	-1357	4189	-1347	-13	-10	4197	-1355	-5	-2
Lansing	4249	-1428	4249	-1428	4260	-1418	-10	-10	4264	-1422	-6	-6
Stark	4629	-1808	4628	-1807	4648	-1806	-2	-1	4654	-1812	4	5
Marmaton	4770	-1949	4764	-1943	4776	-1934	-15	-9	4776	-1934	-15	-9
Pawnee	4875	-2054	4768	-1947	4875	-2033	-21	86	4888	-2046	-8	99
Cherokee	4912	-2091	4909	-2088	4915	-2073	-18	-15	4926	-2084	-7	-4
Morrow	5136	-2315	5131	-2310	5135	-2293	-22	-17	5148	-2306	-9	-4
Morrow Sand	5169	-2348	5168	-2347	5159	-2317	-31	-30	5172	-2330	-18	-17
Chester	5238	-2417	5231	-2410	5216	-2374	-43	-36	5237	-2395	-22	-15
St. Gen	5272	-2451	5270	-2449	5296	-2454	3	5	5306	-2464	13	15
St. Louis por	5386	-2565	5384	-2563	5402	-2560	-5	-3	5425	-2583	18	20
Total Depth	5485	-2664	5484	-2663	5549	-2707	43	44	5519	-2677	13	14

**DST #1**



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

TIME ON: 08:41  
 TIME OFF: 16:56

**DRILL-STEM TEST TICKET**  
 FILE: WARD1-31SEDST1

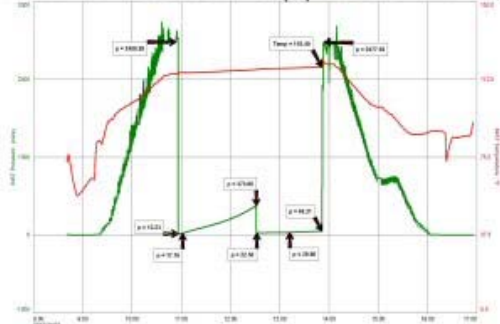
Company **FALCON EXPLORATION, INC.** Lease & Well No. **WARD #1-31 (SE)**  
 Contractor **STERLING DRILLING CO. RIG #5** Charge to **FALCON EXPLORATION, INC.**  
 Elevation **2821 KB** Formation **MORROW** Effective Pay \_\_\_\_\_ Ft. Ticket No. **T113**  
 Date **10-23-12** Sec. **31** Twp. **28 S** Range **30 W** County **GRAY** State **KANSAS**  
 Test Approved By **KEITH REAVIS** Diamond Representative **TIMOTHY T. VENTERS**

Formation Test No. **1** Interval Tested from **5134** ft. to **5235** ft. Total Depth **5235** ft.  
 Packer Depth **5129** ft. Size **6 3/4** in. Packer depth \_\_\_\_\_ ft. Size **6 3/4** in.  
 Packer Depth **5134** ft. Size **6 3/4** in. Packer depth \_\_\_\_\_ ft. Size **6 3/4** in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) **5115** ft. Recorder Number **8457** Cap. **10,000** P.S.I.  
 Bottom Recorder Depth (Outside) **5232** ft. Recorder Number **11030** Cap. **5,025** P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Mud Type **CHEMICAL** Viscosity **55** Drill Collar Length **331** ft. I.D. **2 1/4** in.  
 Weight **9.2** Water Loss **6.4** cc. Weight Pipe Length **0** ft. I.D. **2 7/8** in.  
 Chlorides **2,400** P.P.M. Drill Pipe Length **4770** ft. I.D. **3 1/2** in.  
 Jars: Make **STERLING** Serial Number **4** Test Tool Length **33** ft. Tool Size **3 1/2-FH** in.  
 Did Well Flow? **NO** Reversed Out **NO** Anchor Length **37** ft. Size **4 1/2-FH** in.  
 Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH** in. <sup>81' DP IN AND/OR</sup> Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: **WEAK SURFACE BLOW, BUILDING TO 1/4 INCH.** (NOBB)  
 2nd Open: **VERY WEAK SURFACE BLOW THROUGHOUT PERIOD.** (NOBB)

Recovered **30** ft. of MUD  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks: \_\_\_\_\_



TOOL SAMPLE: 100% MUD  
 Time Set Packer(s) **10:55 AM** A.M. Time Started Off Bottom **1:50 PM** A.M. Maximum Temperature **118** deg.  
 Initial Hydrostatic Pressure..... (A) **2481** P.S.I.  
 Initial Flow Period..... Minutes **5** (B) **12** P.S.I. to (C) **17** P.S.I.  
 Initial Closed In Period..... Minutes **90** (D) **374** P.S.I.  
 Final Flow Period..... Minutes **40** (E) **23** P.S.I. to (F) **30** P.S.I.  
 Final Closed In Period..... Minutes **40** (G) **48** P.S.I.  
 Final Hydrostatic Pressure..... (H) **2478** P.S.I.

**DST #2**



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544

TIME ON: 16:16 10-24-12

Company **FALCON EXPLORATION, INC.** Lease & Well No. **WARD #1-31 (SE)**  
Contractor **STERLING DRILLING CO. RIG #5** Charge to **FALCON EXPLORATION, INC.**  
Elevation **2821 KB** Formation **MISS.-ST. LOUIS** Effective Pay \_\_\_\_\_ Ft. Ticket No. **T114**  
Date **10-24-12** Sec. **31** Twp. **28 S** Range **30 W** County **GRAY** State **KANSAS**  
Test Approved By **KEITH REAVIS** Diamond Representative **TIMOTHY T. VENTERS**

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Formation Test No. **2** Interval Tested from **5377 ft.** to **5416 ft.** Total Depth **5416 ft.**  
Packer Depth **5372 ft.** Size **6 3/4 in.** Packer depth \_\_\_\_\_ ft. Size **6 3/4 in.**  
Packer Depth **5377 ft.** Size **6 3/4 in.** Packer depth \_\_\_\_\_ ft. Size **6 3/4 in.**

---

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) **5358 ft.** Recorder Number **8457** Cap. **10,000 P.S.I.**  
Bottom Recorder Depth (Outside) **5413 ft.** Recorder Number **11030** 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 **331 ft.** I.D. **2 1/4 in.**  
Weight **9.4** Water Loss **8.0 cc.** Weight Pipe Length **0 ft.** I.D. **2 7/8 in.**  
Chlorides **3,000 P.P.M.** Drill Pipe Length **5013 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 **39 ft.** Size **4 1/2-FH in.**  
Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH in.** 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 START OF PERIOD. WEAK SURFACE BLOW AFTER FLUSHED TOOL. (NOBB)**

---

Recovered **40 ft. of M W/TR. OIL, TRACE OIL, 100% MUD**  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: **10 MIN. INTO FINAL FLOW, WE FLUSHED TOOL & GOT SUR**

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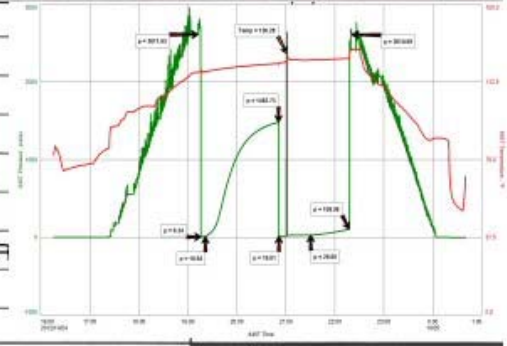
TOOL SAMPLE: **2% OIL, 98% MUD**

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Time Set Packer(s) **7:15 PM** A.M. P.M. Time Started Off Bottom **10:15 PM** A.M. P.M. Maximum Temperature **126 deg.**

---

Initial Hydrostatic Pressure \_\_\_\_\_ (A) **2612 P.S.I.**  
Initial Flow Period \_\_\_\_\_ Minutes **5** (B) **6 P.S.I. to (C)** **11 P.S.I.**  
Initial Closed In Period \_\_\_\_\_ Minutes **90** (D) **1483 P.S.I.**  
Final Flow Period \_\_\_\_\_ Minutes **40** (E) **17 P.S.I. to (F)** **30 P.S.I.**  
Final Closed In Period \_\_\_\_\_ Minutes **45** (G) **108 P.S.I.**  
Final Hydrostatic Pressure \_\_\_\_\_ (H) **2611 P.S.I.**



**ROCK TYPES**

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

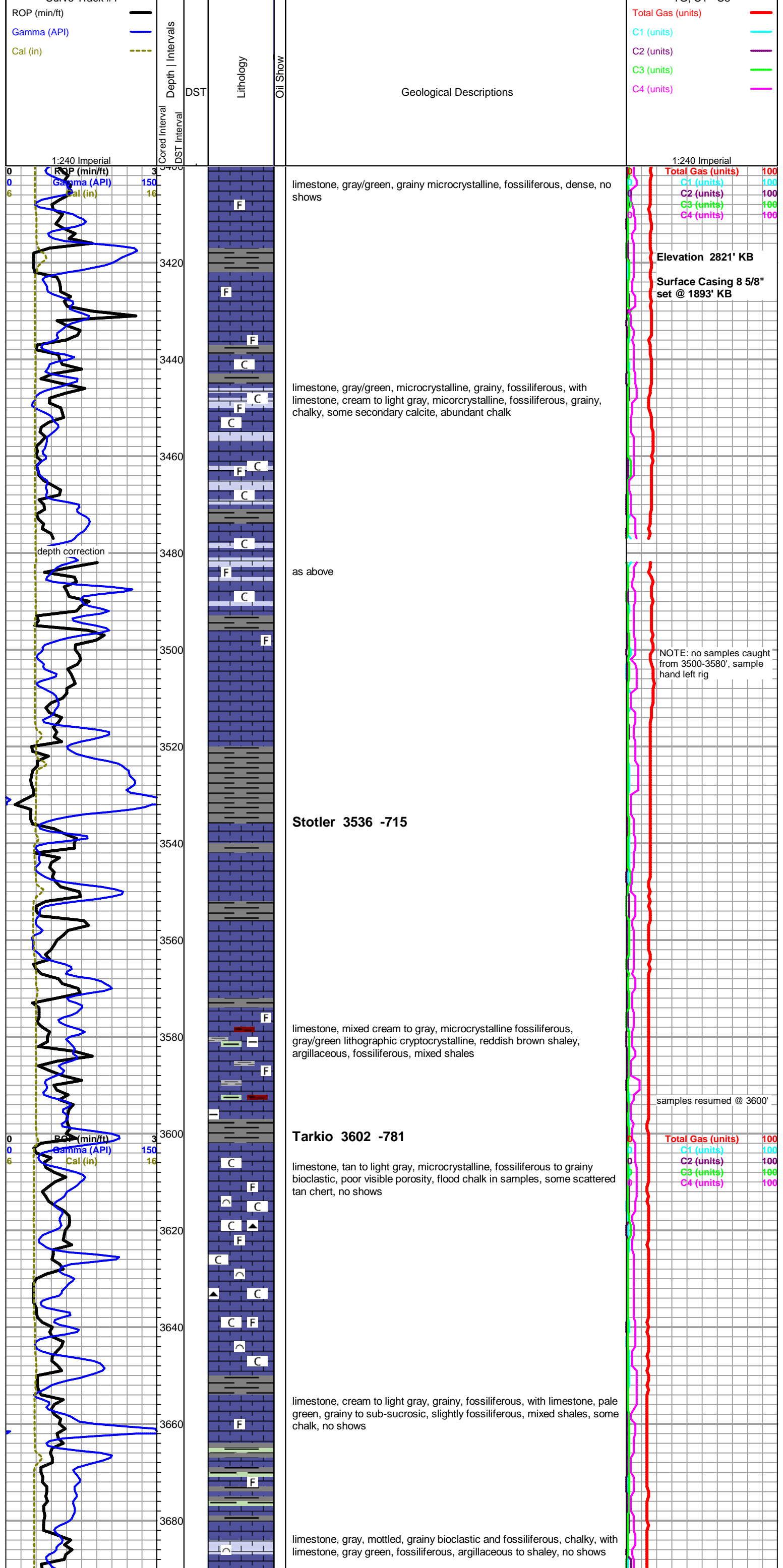
**ACCESSORIES**

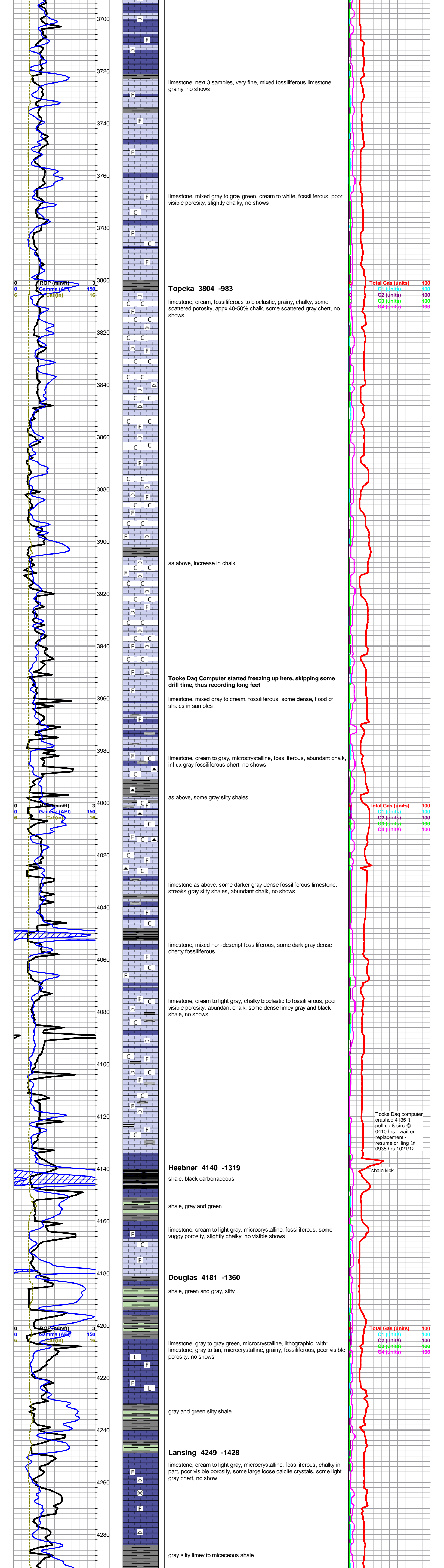
- MINERAL**
  - Argillaceous
  - Chert, dark
  - Dolomitic
  - Mineral Crystals
  - Pyrite
  - Chert White
  - Mica
- FOSSIL**
  - Bioclastic or Fragmental
  - Fossils < 20%
  - Oolite
  - Pellets
  - Oomoldic
- STRINGER**
  - Sandstone
  - Siltstone
  - Shale
  - green shale
  - red shale
  - carb shale
- TEXTURE**
  - Chalky
  - Cryptocrystalline
  - Lithogr

**OTHER SYMBOLS**

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

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limestone, next 3 samples, very fine, mixed fossiliferous limestone, grainy, no shows

limestone, mixed gray to gray green, cream to white, fossiliferous, poor visible porosity, slightly chalky, no shows

**Topeka 3804 -983**

limestone, cream, fossiliferous to bioclastic, grainy, chalky, some scattered porosity, appx 40-50% chalk, some scattered gray chert, no shows

as above, increase in chalk

**Tooke Daq Computer started freezing up here, skipping some drill time, thus recording long feet**

limestone, mixed gray to cream, fossiliferous, some dense, flood of shales in samples

limestone, cream to gray, microcrystalline, fossiliferous, abundant chalk, influx gray fossiliferous chert, no shows

as above, some gray silty shales

limestone, mixed non-descript fossiliferous, some dark gray dense cherty fossiliferous

limestone, cream to light gray, chalky bioclastic to fossiliferous, poor visible porosity, abundant chalk, some dense limey gray and black shale, no shows

Tooke Daq computer crashed 4135 ft. - pull up & circ @ 0410 hrs - wait on replacement - resume drilling @ 0935 hrs 1021/12

**Heebner 4140 -1319**

shale, black carbonaceous

shale, gray and green

limestone, cream to light gray, microcrystalline, fossiliferous, some vuggy porosity, slightly chalky, no visible shows

**Douglas 4181 -1360**

shale, green and gray, silty

limestone, gray to gray green, microcrystalline, lithographic, with: limestone, gray to tan, microcrystalline, grainy, fossiliferous, poor visible porosity, no shows

gray and green silty shale

**Lansing 4249 -1428**

limestone, cream to light gray, microcrystalline, fossiliferous, chalky in part, poor visible porosity, some large loose calcite crystals, some light gray chert, no show

gray silty limey to micaceous shale

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

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



