



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1220670  
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: \_\_\_\_\_

1220670

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	Trek AEC, LLC
Well Name	Driscoll 2
Doc ID	1220670

All Electric Logs Run

Dual Induction Log
Compensated Density/Neutron Log
Cement Bond
Micro Log

Form	ACO1 - Well Completion
Operator	Trek AEC, LLC
Well Name	Driscoll 2
Doc ID	1220670

Tops

Name	Top	Datum
Anhydrite	832	+1001
Base Anhydrite	866	+967
Tarkio Sand	2470	-637
Topeka	2731	-898
Heebner	2958	-1125
Toronto	2975	-1142
Lansing	3017	-1184
Lansing "E"	3084	-1251
Lansing "G"	3108	-1275
Muncie Creek	3156	-1323
Stark	3194	-1361
Base/KC	3252	-1419
Arbuckle	3260	-1427



**QUALITY OILWELL CEMENTING, INC.**

PO Box 32 - 740 West Wichita Ave, Russell KS 67665

Phone: 785-324-1041 fax: 785-483-1087

Email: cementing@ruraltel.net

Date: 6/21/2014  
Invoice # 76

P.O.#:

Due Date: 7/21/2014

Division: Russell

# Invoice

**Contact:**

TREK AEC, LLC

**Address/Job Location:**

TREK AEC, LLC

4925 GREENVILLE AVE

SUITE 915

DALLAS TX 75206

**Reference:**

DRISCOLL 2

**Description of Work:**

SURFACE JOB

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	200	\$ 3,352.94	Yes				
Bulk Truck Matl-Material Service Charge	211	\$ 471.65	No				
Calcium Chloride	7	\$ 435.46	Yes				
Pump Truck Mileage-Job to Nearest Camp	12	\$ 133.85	No				
Premium Gel (Bentonite)	4	\$ 72.78	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	12	\$ 78.32	No				

**Invoice Terms:**

Net 30

SubTotal: \$ 5,565.55

Discount Available ONLY if Invoice is Paid & Received  
within listed terms of invoice: \$ (834.83)

SubTotal for Taxable Items: \$ 3,282.00

SubTotal for Non-Taxable Items: \$ 1,448.71

Total: \$ 4,730.72

Tax: \$ 267.48

Amount Due: \$ 4,998.20

Applied Payments:

Balance Due: \$ 4,998.20

8.15% Russell County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)  
This does not include any applicable taxes unless it is listed.

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 018

Date	6-21-14	Sec.	8	Twp.	15	Range	14	County	Russell	State	Ks	On Location		Finish	11:45 PM
------	---------	------	---	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	----------

Lease	Driscoll	Well No.	2	Owner	20115 W Harts 20 Tanks
Contractor	W.W #6	Location Russell Ks - S to Walters Lane			
Type Job	Surface	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			

Hole Size	12 1/4"	T.D.	471'	Charge To	TRK AEC LLC
Csg.	8 5/8"	Depth	471'	Street	155 N. Market
Tbg. Size		Depth		City	Wichita
Tool		Depth		State	Ks 67207
Cement Left in Csg.	20'	Shoe Joint	20'	The above was done to satisfaction and supervision of owner agent or contractor.	
Meas Line		Displace	28 1/2 RLs	Cement Amount Ordered 200 Com 3%CC 2%Gel	

### EQUIPMENT

Pumptrk	No.	Cementer	
		Helper	
Bulktrk	15	Driver	
		Driver	
Bulktrk	pu	Driver	
		Driver	

Common	200
Poz. Mix	
Gel	1
Calcium	7
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

### JOB SERVICES & REMARKS

Remarks: Cement calculated

Rat Hole

Mouse Hole

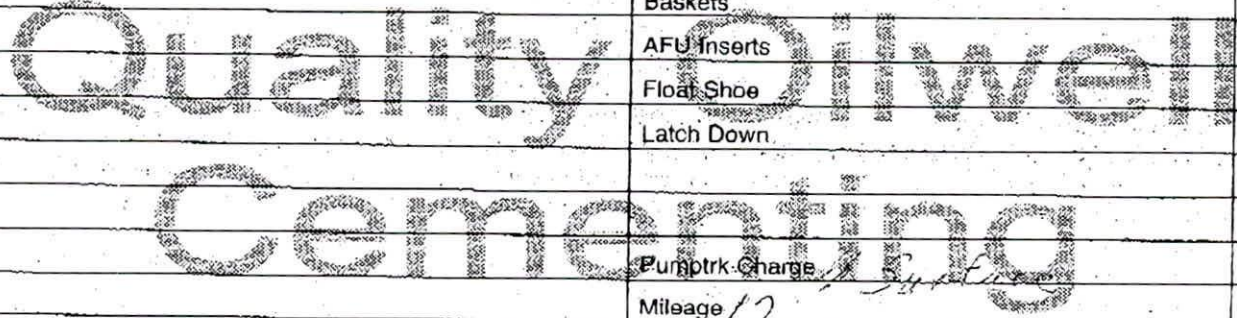
Centralizers

Baskets

D/V or Port Collar

### FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	12



Signature: *Mark Progar*

Tax	
Discount	
Total Charge	



**QUALITY OILWELL CEMENTING, INC.**  
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665  
 Phone:785-324-1041 fax:785-483-1087  
 Email: cementing@ruraltel.net

Date: 6/28/2014  
 Invoice # 149

P.O.#:

Due Date: 7/28/2014

Division: Russell

# Invoice

**Contact:**

TREK RESOURCES  
**Address/Job Location:**  
 TREK RESOURCES  
 4925 GREENVILLE AVE  
 SUITE 915  
 DALLAS TX 75206

**Reference:**

DRISCOLL 2

**Description of Work:**

PROD STRING

**Services / Items Included:**

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	180	\$ 3,017.65	Yes		KCL 2	\$66.75	Yes
Gilsonite	900	\$ 1,508.82	Yes				
Bulk Truck Matl-Material Service Charge	201	\$ 449.29	No				
Mud Clear	500	\$ 413.53	Yes				
6 1/2" Turbolizer	6	\$ 388.94	Yes				
Auto Fill Float Shoe, 5 1/2"	1	\$ 342.00	Yes				
Latch Down Plug & Baffle, 5 1/2"	1	\$ 250.35	Yes				
Salt (Fine)	16	\$ 249.64	Yes				
Pump Truck Mileage-Job to Nearest Camp	12	\$ 133.85	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	12	\$ 78.32	No				

**Invoice Terms:**

Net 30

SubTotal: \$ 7,919.69  
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,187.95)

SubTotal for Taxable Items: \$ 5,302.03

SubTotal for Non-Taxable Items: \$ 1,429.71

Total: \$ 6,731.74

Tax: \$ 432.12

Amount Due: \$ 7,163.86

Applied Payments:

Balance Due: \$ 7,163.86

8.15% Russell County Sales Tax

**Thank You For Your Business!**

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 149

Date	6-28-14	Sec.	8	Twp.	15	Range	14	County	Russell	State	KANSAS	On Location		Finish	4:30 AM
Location													Russell KS, 7 1/2 S 2 W 13 1/2 W NW		

Lease	DRISCOLL		Well No.	2		Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Contractor	W-W DRUG RIG #2		"MARK"			Charge To	TREX AEC LLC.								
Type Job	PRODUCTION STRING														
Hole Size	7 7/8		T.D.	3320		Street									
Csg.	5 1/2 New		Depth	3312		City	State								
Tbg. Size	15.50" csg		Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tool	LATCH DOWN PLUG ASSY		Depth @	3270'		Cement Amount Ordered	180 SX Com. 10% Salt								
Cement Left in Csg.	42.48		Shoe Joint	42 40		5% GIBSONITE / 500 GAL CLR 48 / 20 RCL									
Meas Line			Displace	79 BBL		Comments									

### EQUIPMENT

Pumptrk	1/2	No.	Cement Helper	GARY A.		Poz. Mix									
Bulktrk	1	No.	Driver	CLAYTON B.		Bel.									
Bulktrk		No.	Driver	TYLER O.		Calcium									

### JOB SERVICES & REMARKS

Remarks:	8 7/8 SURFACE @ 425'														
Rat Hole	30 SX														
Mouse Hole															
Centralizers	1-6 TURBO														
Baskets															
D/V or Port Collar	NR														
RAN 80 NEW JOINTS OF 15 5/8 CSG SET @ 319' RECEIVED CIRCULATION DROP "AFU" BALL & GIVE FOR 30 HR.															
Pump	500 GAL MUD CLR-48														
Cement w/	150 SX Com. 10% Salt 5% GIBSONITE														
Clear Line Release LATCH DOWN PLUG. & DISPLACE 79 BBL / 1500 # Release PRESSURE & "AFU & PLUG" HELD.															

### FLOAT EQUIPMENT

Guide Shoe															
Centralizer	X 6 TURBO														
Baskets															
AFU Inserts															
Float Shoe	X 1														
Latch Down	X 1														
Pumptrk Charge															
Mileage															

*MARK'S*

Tax

Discount

Total Charge



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Trek AEC, LLC  
155 N Market STE 710  
Wichita KS 67202  
ATTN: Aaron Young

**8-15-14, Russell, KS**

**Driscoll #2**

Job Ticket: 59404

**DST#: 1**

Test Start: 2014.06.24 @ 23:55:00

## GENERAL INFORMATION:

Formation: **Topeka-KC"A"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 02:27:15  
 Time Test Ended: 06:39:15  
 Interval: **2902.00 ft (KB) To 3042.00 ft (KB) (TVD)**  
 Total Depth: 3042.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1833.00 ft (KB)  
 1828.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8957**

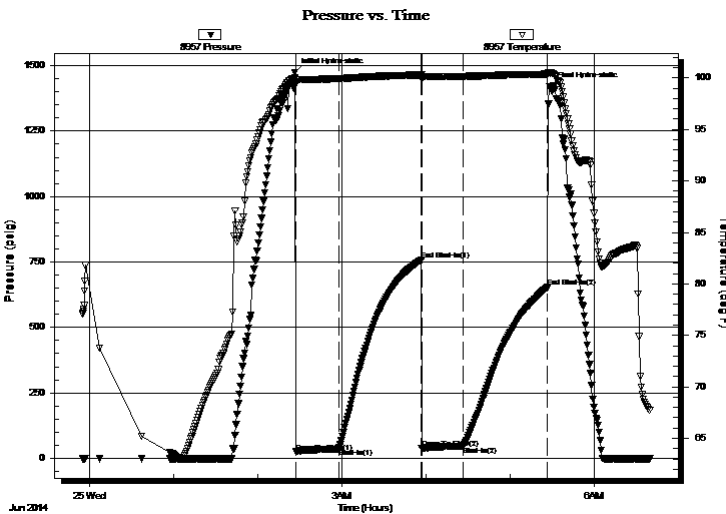
**Outside**

Press@RunDepth: 47.33 psig @ 2911.00 ft (KB)  
 Start Date: 2014.06.24 End Date: 2014.06.25  
 Start Time: 23:55:05 End Time: 06:39:14

Capacity: 8000.00 psig  
 Last Calib.: 2014.06.25  
 Time On Btm: 2014.06.25 @ 02:26:30  
 Time Off Btm: 2014.06.25 @ 05:28:00

TEST COMMENT: IF-1 1/2in blow  
 IS-No blow  
 FF-No blow  
 FS-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1474.00	99.99	Initial Hydro-static
1	25.30	99.37	Open To Flow (1)
32	38.17	99.93	Shut-In(1)
90	758.21	100.28	End Shut-In(1)
91	38.60	99.90	Open To Flow (2)
120	47.33	100.14	Shut-In(2)
180	652.95	100.36	End Shut-In(2)
182	1420.01	100.51	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	OS Mud	0.27

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Trek AEC, LLC

**8-15-14, Russell, KS**

155 N Market STE 710  
Wichita KS 67202

**Driscoll #2**

Job Ticket: 59404

**DST#: 1**

ATTN: Aaron Young

Test Start: 2014.06.24 @ 23:55:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

### Recovery Information

#### Recovery Table

Length ft	Description	Volume bbl
55.00	OS Mud	0.270

Total Length: 55.00 ft      Total Volume: 0.270 bbl

Num Fluid Samples: 0

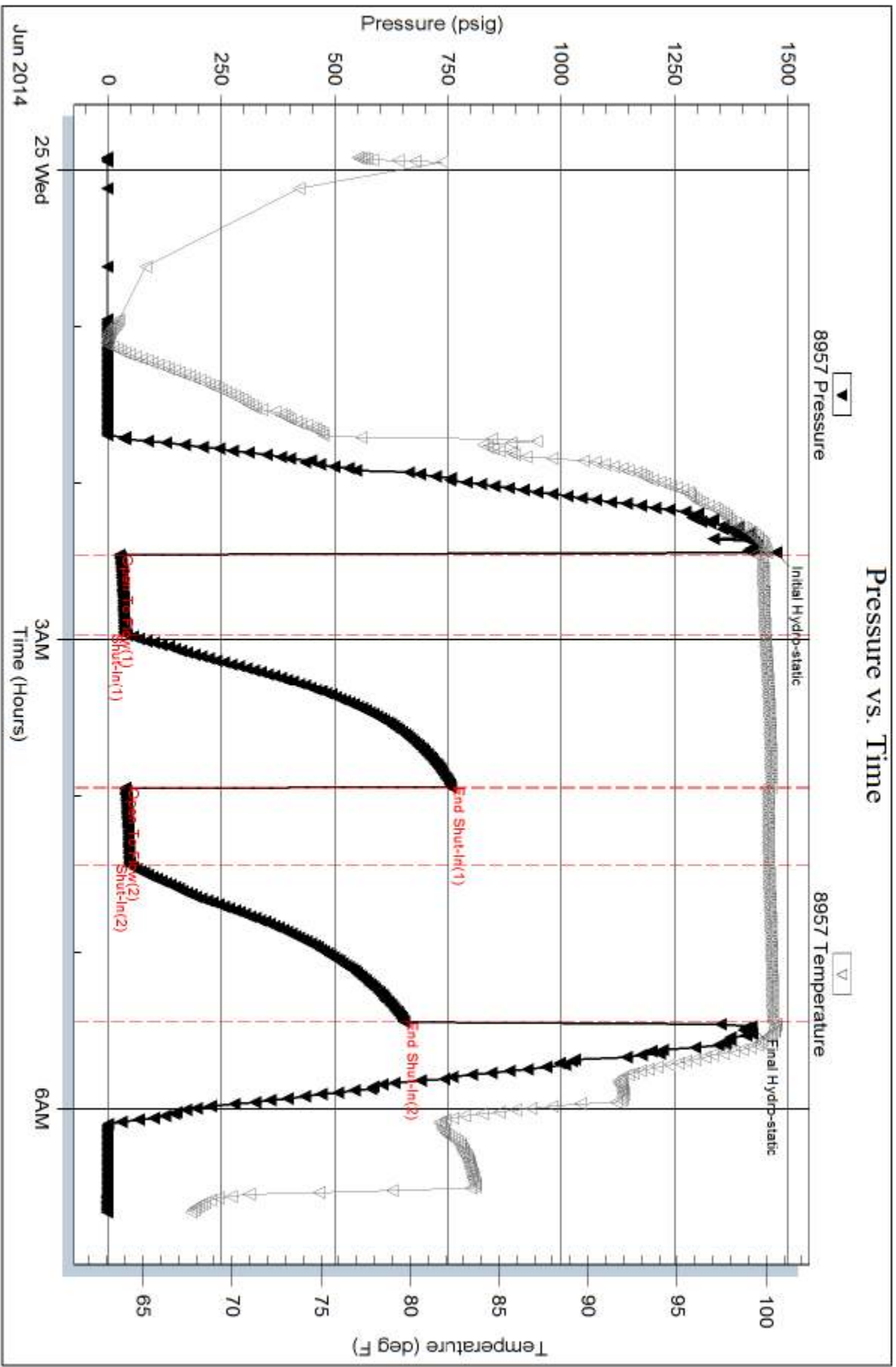
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Trek AEC, LLC

155 N Market STE 710  
Wichita KS 67202

ATTN: Aaron Young

**8-15-14, Russell, KS**

**Driscoll #2**

Job Ticket: 59405

**DST#: 2**

Test Start: 2014.06.25 @ 13:40:00

### GENERAL INFORMATION:

Formation: **KC "B-D"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:17:45

Time Test Ended: 19:48:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 59

Interval: **3028.00 ft (KB) To 3081.00 ft (KB) (TVD)**

Total Depth: 3081.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1833.00 ft (KB)

1828.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 8957 Outside**

Press@RunDepth: 154.18 psig @ 3044.00 ft (KB)

Start Date: 2014.06.25

End Date:

2014.06.25

Start Time: 13:40:05

End Time:

19:48:44

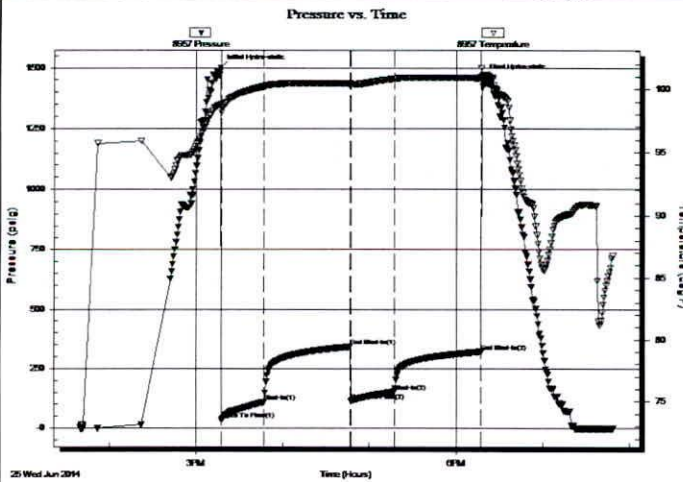
Capacity: 8000.00 psig

Last Calib.: 2014.06.25

Time On Btm: 2014.06.25 @ 15:17:00

Time Off Btm: 2014.06.25 @ 18:18:30

TEST COMMENT: IF-BOB in 7 1/2min  
IS-Very weak surface blow died in 20min  
FF-BOB in 22min  
FSI-No blow



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1498.80	98.82	Initial Hydro-static
1	34.62	98.51	Open To Flow (1)
30	108.59	100.22	Shut-In(1)
90	341.62	100.44	End Shut-In(1)
91	112.93	100.38	Open To Flow (2)
121	154.18	100.83	Shut-In(2)
181	321.43	100.89	End Shut-In(2)
182	1461.07	101.15	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
245.00	water	2.33
40.00	WCM 40%W 60%M	0.56

\* Recovery from multiple tests

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Trek AEC, LLC

**8-15-14, Russell, KS**

155 N Market STE 710  
Wichita KS 67202

**Driscoll #2**

Job Ticket: 59405

**DST#: 2**

ATTN: Aaron Young

Test Start: 2014.06.25 @ 13:40:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

86000 ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
245.00	water	2.334
40.00	WCM 40%W 60%M	0.561

Total Length: 285.00 ft

Total Volume: 2.895 bbl

Num Fluid Samples: 0

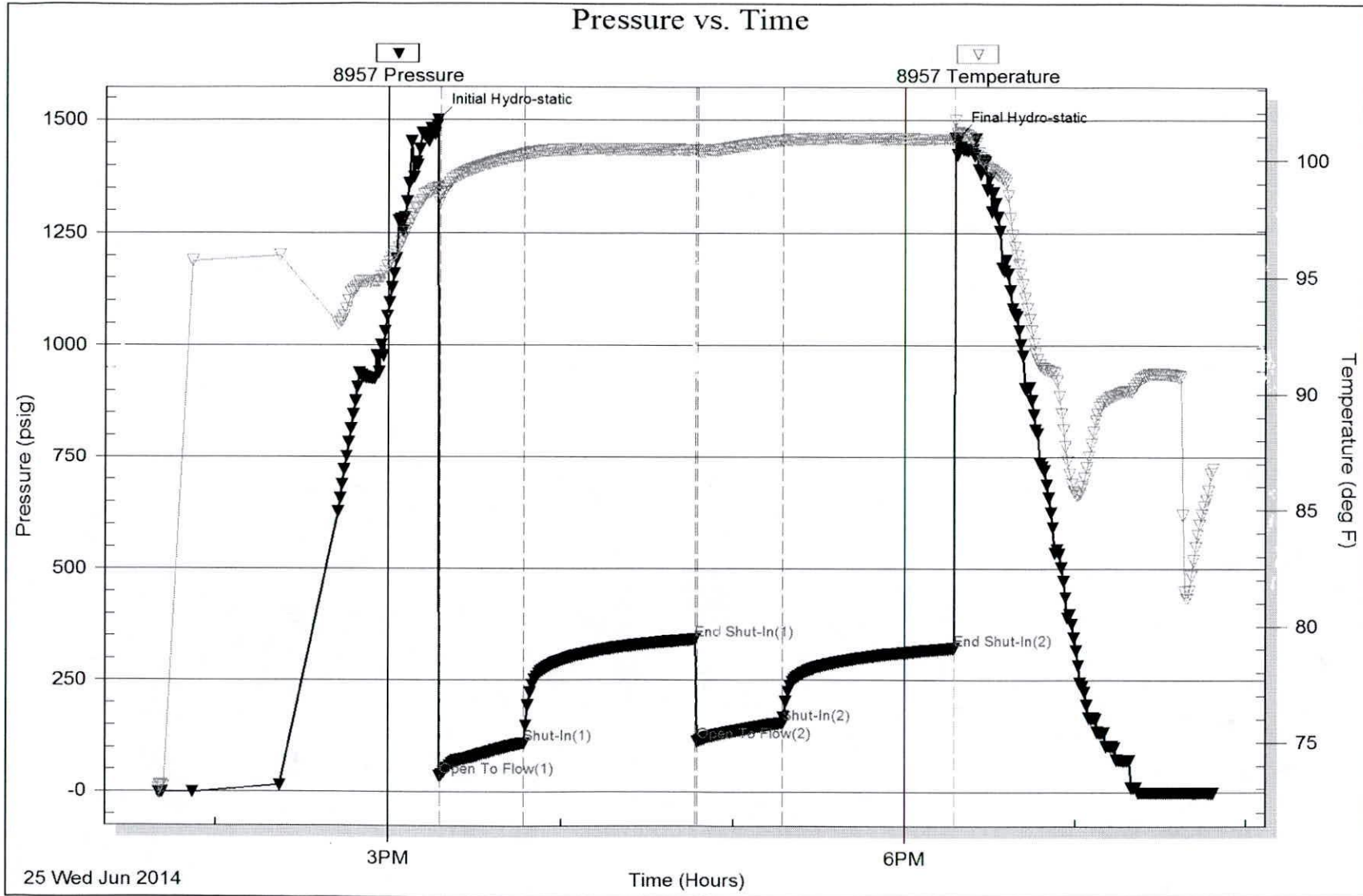
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Trek AEC, LLC  
155 N Market STE 710  
Wichita KS 67202  
ATTN: Aaron Young

**8-15-14, Russell, KS**

**Driscoll #2**

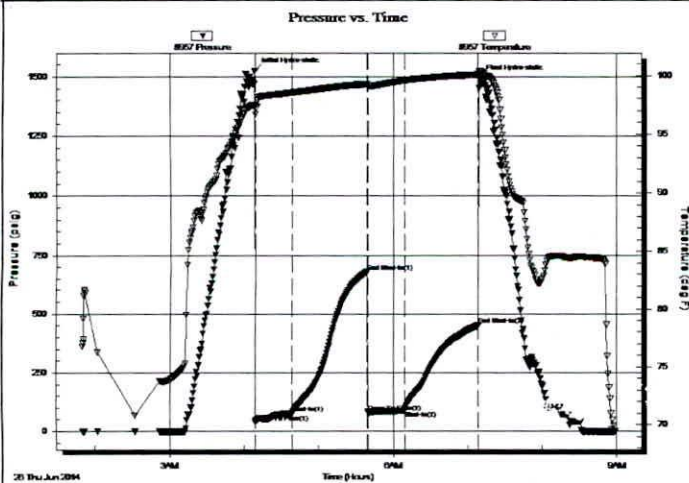
Job Ticket: 59406      **DST#: 3**  
Test Start: 2014.06.26 @ 01:50:00

## GENERAL INFORMATION:

Formation: **KC"E-G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:09:15  
Time Test Ended: 08:58:30  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Brett Dickinson  
Unit No: 59  
Interval: **3078.00 ft (KB) To 3137.00 ft (KB) (TVD)**  
Reference Elevations: 1833.00 ft (KB)  
Total Depth: 3137.00 ft (KB) (TVD)      1828.00 ft (CF)  
Hole Diameter: 7.88 inches Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8957**      **Outside**  
Press@RunDepth: 87.45 psig @ 3101.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2014.06.26      End Date: 2014.06.26      Last Calib.: 2014.06.26  
Start Time: 01:50:05      End Time: 08:58:29      Time On Btm: 2014.06.26 @ 04:08:45  
Time Off Btm: 2014.06.26 @ 07:10:00

TEST COMMENT: IF-BOB in 2 1/2min  
IS-No blow  
FF-BOB in 4min  
FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.23	97.51	Initial Hydro-static
1	37.85	96.67	Open To Flow (1)
30	73.96	98.53	Shut-In(1)
91	678.63	99.25	End Shut-In(1)
92	77.56	99.09	Open To Flow (2)
121	87.45	99.58	Shut-In(2)
180	450.65	100.08	End Shut-In(2)
182	1490.63	100.35	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
125.00	GVSWC0 20%G 70%O 10%W	0.65
80.00	GOCM 25%G 20%O 55%M	1.12

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Trek AEC, LLC

**8-15-14, Russell, KS**

155 N Market STE 710  
Wichita KS 67202

**Driscoll #2**

Job Ticket: 59406

**DST#: 3**

ATTN: Aaron Young

Test Start: 2014.06.26 @ 01:50:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
125.00	GVSWCO 20%G 70%O 10%W	0.651
80.00	GOCM 25%G 20%O 55%M	1.122

Total Length: 205.00 ft

Total Volume: 1.773 bbl

Num Fluid Samples: 0

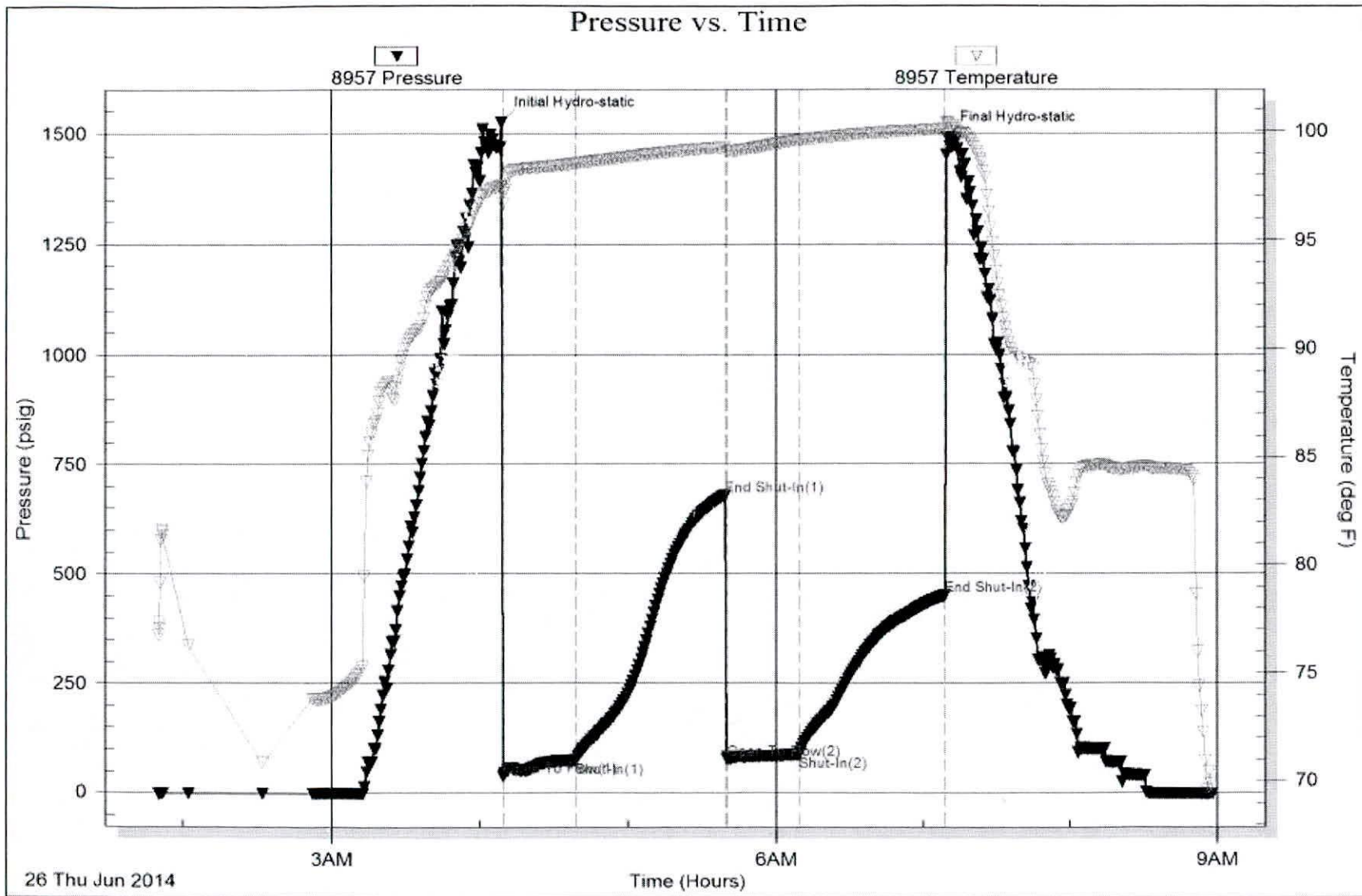
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Trek AEC, LLC  
 155 N Market STE 710  
 Wichita KS 67202  
 ATTN: Aaron Young

8-15-14, Russell, KS

**Driscoll #2**

Job Ticket: 59407

**DST#: 4**

Test Start: 2014.06.26 @ 21:55:00

## GENERAL INFORMATION:

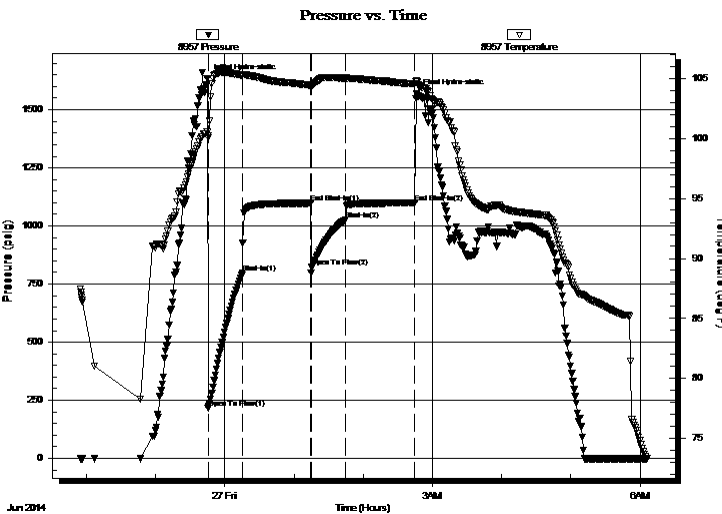
Formation: **Arb**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 23:45:30  
 Time Test Ended: 06:06:00  
 Interval: **3217.00 ft (KB) To 3271.00 ft (KB) (TVD)**  
 Total Depth: 3271.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Brett Dickinson  
 Unit No: 59  
 Reference Elevations: 1833.00 ft (KB)  
 1828.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8957**

**Outside**

Press @ Run Depth: 1026.47 psig @ 3234.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.06.26 End Date: 2014.06.27 Last Calib.: 2014.06.27  
 Start Time: 21:55:05 End Time: 06:05:59 Time On Btm: 2014.06.26 @ 23:44:45  
 Time Off Btm: 2014.06.27 @ 02:46:15

TEST COMMENT: IF-BOB in 1min  
 ISI-No blow  
 FF-BOB in 1 1/2min  
 FSI-No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.48	100.50	Initial Hydro-static
1	215.87	100.05	Open To Flow (1)
31	796.79	105.24	Shut-In(1)
90	1098.32	104.42	End Shut-In(1)
91	822.41	104.32	Open To Flow (2)
120	1026.47	104.99	Shut-In(2)
180	1098.68	104.52	End Shut-In(2)
182	1569.06	104.77	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2270.00	MWater H2S Gas	30.74

## Gas Rates

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

\* Recovery from multiple tests



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Trek AEC, LLC

8-15-14, Russell, KS

155 N Market STE 710  
Wichita KS 67202

**Driscoll #2**

Job Ticket: 59407

**DST#: 4**

ATTN: Aaron Young

Test Start: 2014.06.26 @ 21:55:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6700.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2270.00	MWater H2S Gas	30.740

Total Length: 2270.00 ft      Total Volume: 30.740 bbl

Num Fluid Samples: 0

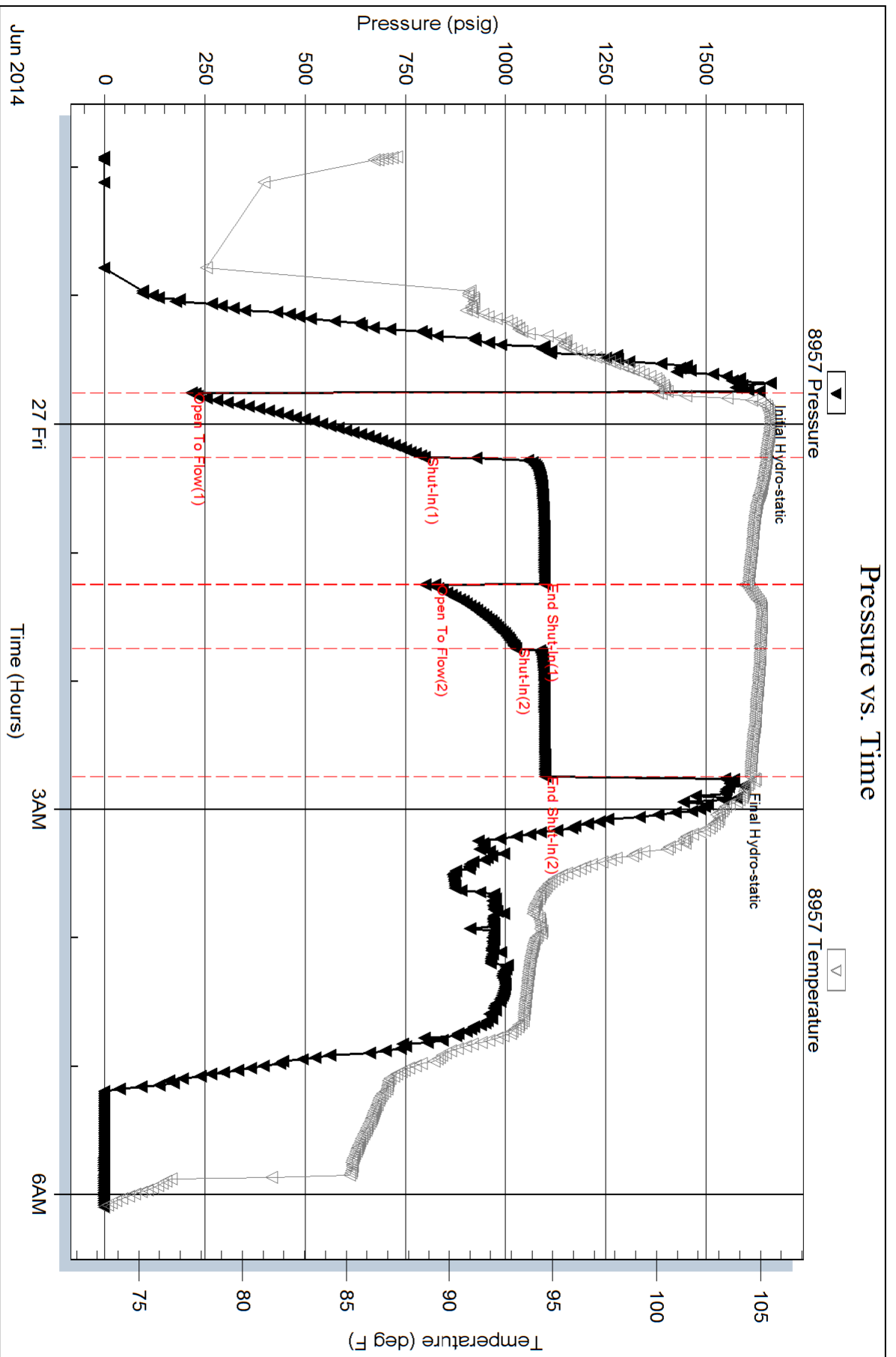
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Dropped Bar



Geologic Report  
**Aaron L. Young**

Drilling Time and Sample Log

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

Well Name: Driscoll #2  
 Well Id:  
 Location: Section 8 - T15S - R14W  
 License Number: API: 15-167-23968  
 Spud Date: 6 / 21 / 2014  
 Surface Coordinates: 1000' FNL and 1420' FEL  
 Approx. SE - SE - NW - NE  
 Region: Russell Co., KS  
 Drilling Completed: 6 / 27 / 2014

Bottom Hole  
 Coordinates:  
 Ground Elevation (ft): 1828'      K.B. Elevation (ft): 1833'  
 Logged Interval (ft): 2100'      To: 3320'      Total Depth (ft): 3320'  
 Formation: Arbuckle  
 Type of Drilling Fluid: Chemical - Mud-Co

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

**OPERATOR**

Company: TREK AEC, LLC  
 Address: 155 N Market, Suite 710  
 Wichita, KS 67202

**GEOLOGIST**

Name: Aaron L. Young  
 Company:  
 Address: 155 N. Market, Suite 710  
 Wichita, Kansas 67202

**General Info**

CONTRACTOR: WW Drilling, Rig #6

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	Smith	14-14-15	471	466	5.5
2	7-7/8	Smith	14-14-15	3320	2894	66.5

SURVEYS: 471'-1/2, 3042'-3/4, 3320'-1.

GENERAL DRILLING AND PUMP INFORMATION:  
 Drilling with 30,000 lbs. on bit and approx 85 RPM.  
 Running 8 stands of collars; 422.79'  
 Pumping approx 800 psi at standpipe.

**Daily Status**

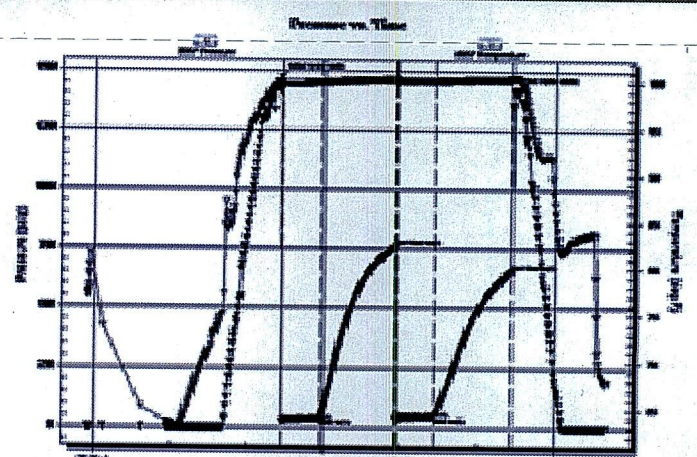
- 6/21/14 - Spud @ 2:45pm
- 6/22/14 - WOC
- 6/23/14 - Drilling, @ 2000'
- 6/24/14 - Drilling, @ 2763'
- 6/25/14 - @ 3042', DST #1
- 6/26/14 - @ 3137', DST #2, DST #3
- 6/27/14 - @ 3271', DST #4, TD @ 3320'

DST #1: 2,902' - 3,042' Topeka, Toronto, Lansing 'A'  
 30"-60"-30"-60"

IF: 1 1/2" blow  
 ISI: No return  
 FF: No blow  
 FSI: No return

Rec': 55' OS M

SIP: 758-653; FP: 25-38, 39-47 HP: 1474-1420

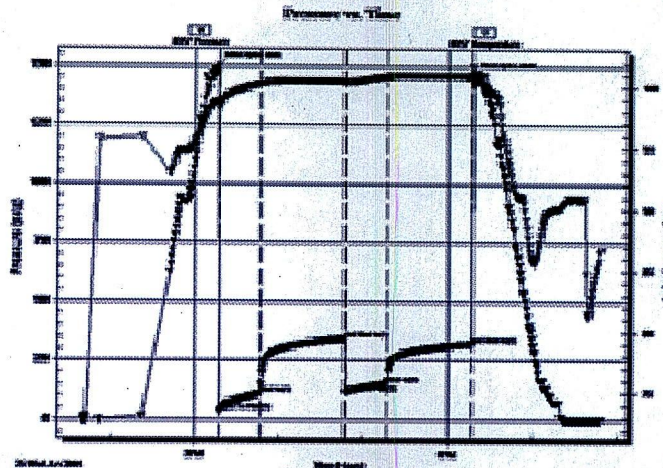


DST #2 3,028' - 3,081' Lansing 'B', 'C', & 'D'  
30"-60"-30"-60"

IF: BOB in 7 1/2 min  
ISI: Very weak surface blow in 20 min  
FF: BOB in 22 min  
FSI: No return

Rec': 40' WCM (40% W, 60% M), 245' W

SIP: 1098-1094; FP: 19-38, 43-65 HP: 2059-2029

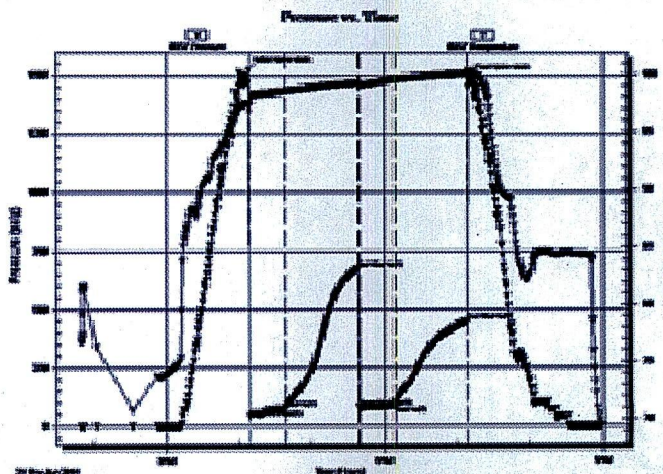


DST #3 3,078'-3,137' Lansing 'E', 'F', & 'G'  
30"-60"-30"-60"

IF: BOB in 2 1/2 min  
ISI: No return  
FF: BOB in 4 min  
FSI: No return

Rec': 125' GVSWCO (20% G, 70% O, 10% W), 80'  
GOCM (25% G, 20% O, 55% M)

SIP: 679-451; FP: 38-74, 78-87; HP: 1524-1491

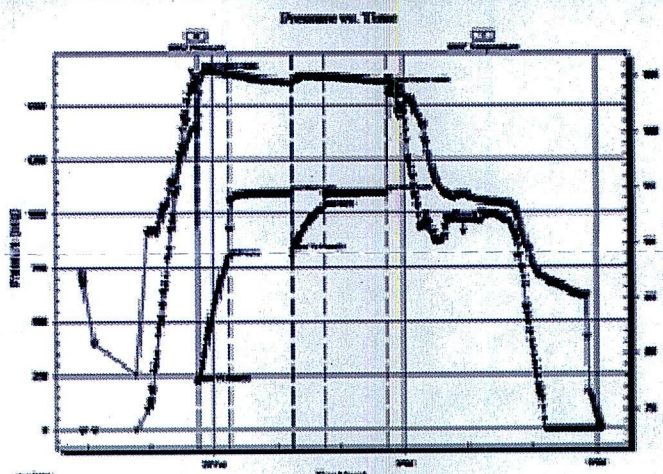


DST #4 3,217'-3,271' Arbuckle  
30"-60"-30"-60"

IF: BOB in 1 min  
ISI: No return  
FF: BOB in 1 1/2 min  
FSI: No return

Rec': 2270' MW w/ H2S Gas (dropped bar)

SIP: 1098-1099; FP: 216-797, 822-1026; HP: 1633-1569



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
- Sltyslts
- Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Brefracg
- 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
- Sity

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

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

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

TEXTURE

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

OTHER SYMBOLS

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

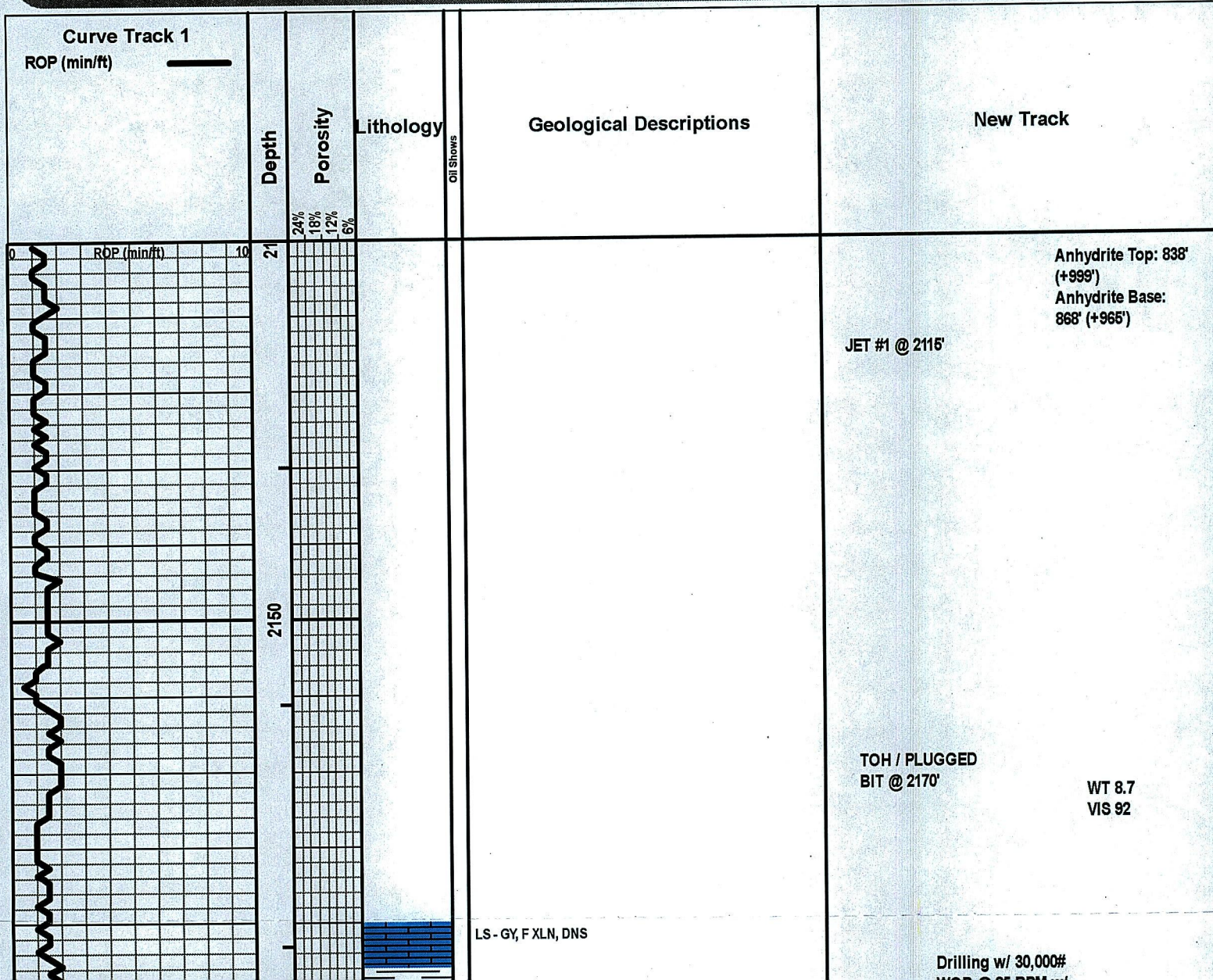
INTERVALS

- Core
- Dst

Dst

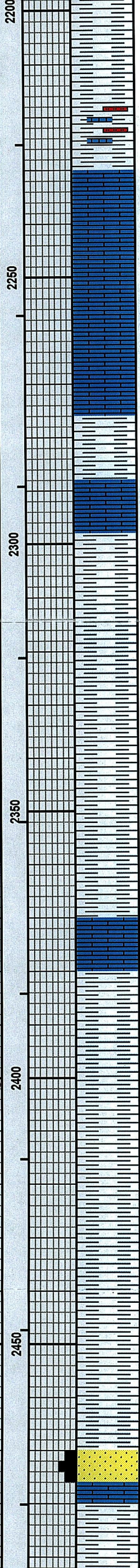
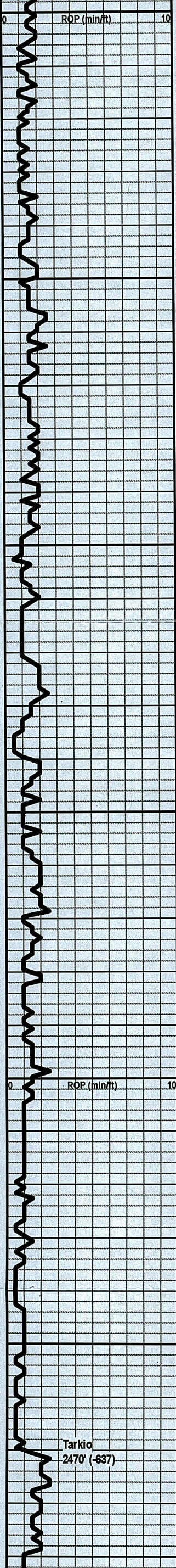
EVENTS

- Rft
- Sidewall
- Conn



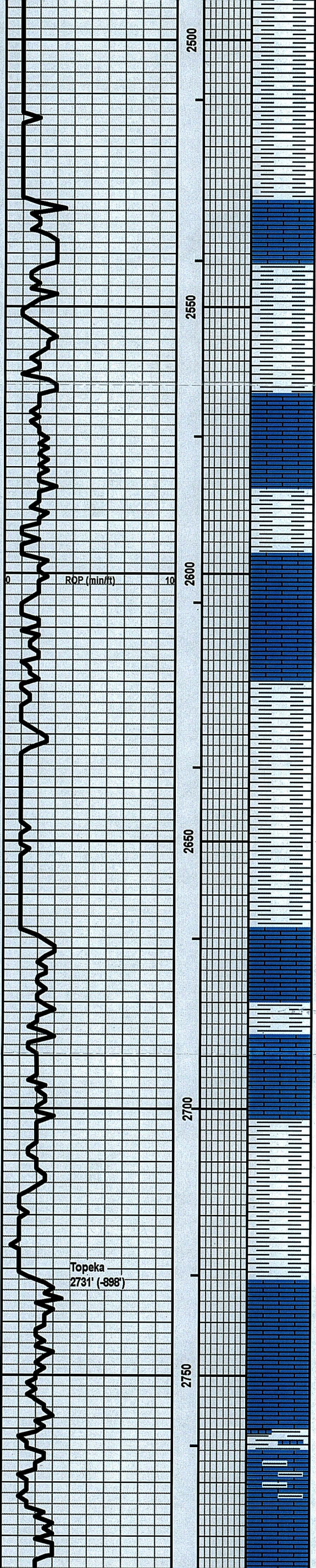


WOB @ 65 RPM w/  
7 stands of collars  
and 800 PSI at the  
stand pipe



SH - RD / GY / GRN  
SH - GY, SLTY IN PT, LMY IN PT  
LS - TAN / GY, F XLN, DNS  
LS - GY / WHT, VF XLN, CHKY  
LS - GY, VF / F XLN, DNS  
LS - CRM / TAN, VF / F XLN, DNS, FOSS  
SH - GY  
LS - TAN, F XLN, DNS, FOSS  
SH - GY, FOSS IN PT  
SH - GY  
SH - GY  
LS - CRM, F XLN, DNS, ABUND FOSS  
SH - GY  
SH - RD / GRN / YEL IN PT  
SH - GY  
SH - RD / GRN / YEL  
SS - CLR, FN GR, WSRTD, GLAUC  
LS - TAN - GY, F XLN, DNS, FOSS IN PT  
SH - GY

Tarkio  
2470' (-637)



SH - GY

LS - TAN, F XLN, DNS, FOSS

SH - GRN / GY

LS - TAN / LT BRN, VF / F XLN, DNS, ABUND FOSS

LS - GY, VF / F, SUBCHKY / DNS, FOSS

SH - GRN

LS - CRM / TAN, F XLN, DNS, FOSS

LS - WHT / CRM, VF XLN, CHKY

SH - GY

SH - GY

LS - TAN / LT BRN, F XLN, V DNS, FOSS

SH - GY

LS - TAN, F XLN, DNS, ABUND FOSS

LS - BRN, F XLN, DNS

SH - GY

SH - GY

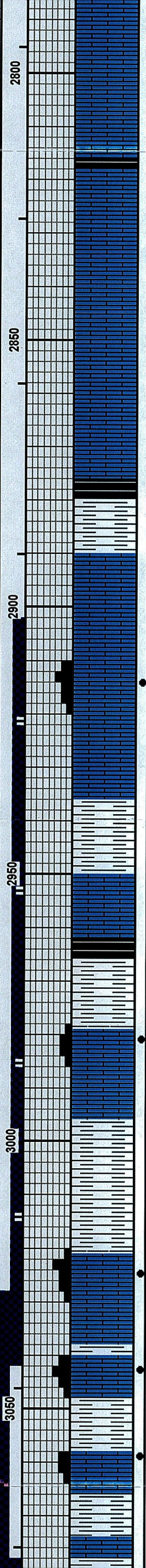
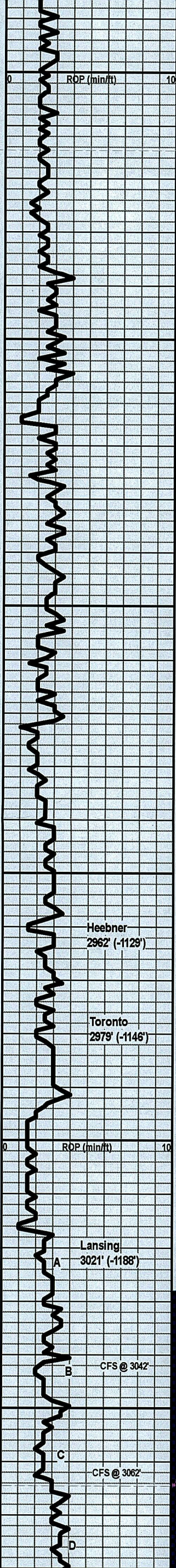
LS - CRM / TAN, VF / F XLN, PRED DNS, SUBCHKY IN PT

LS - TAN, F XLN, DNS

LS - CRM / TAN, VF XLN, SUBCHKY

SH - GY, LMY

LS - GY, F XLN, DNS, FOSS, SHLY IN PT



LS - WHT / TAN / GY, VF XLN, SUBCHKY / CHKY  
 LS - TAN / GY, VF / F XLN, SUBCHKY / DNS, FOSS IN PT  
 LS - WHT / CRM, VF XLN, CHKY, FOSS IN PT  
 SH - GY / BLK, SLI CARB IN PT  
 LS - CRM / TAN, F XLN, DNS  
 LS - TAN, F XLN, DNS  
 LS - CRM / TAN, VF / F XLN, SUBCHKY, ABUND FOSS  
 SH - BLK, SLI CARB IN PT  
 SH - MAR / GY  
 LS - TAN, F XLN, DNS, FOSS IN PT  
 LS - WHT / CRM, F XLN, F / G INTXLN POR, GSFO, LT BRN OIL, F ODOR  
 LS - CRM / TAN, VF XLN, SUBCHKY, NS  
 SH - GRN / GY  
 LS - CRM / TAN, VF / F XLN, SUBCHKY  
 SH - BLK, CARB  
 SH - RD  
 LS - WHT / TAN / GY, VF / F XLN, P / F INTXLN POR, FSFO, SLI ODOR  
 SH - MAR / RD / GY  
 SH - LT GRN  
 LS - CRM / TAN, F XLN, P / F / G INTXLN POR, GSFO, LT BRN OIL, VG ODOR  
 SH - GRN / GY  
 LS - CRM / TAN, F XLN, F / G INTXLN POR, GSFO, LT BRN OIL, G ODOR  
 SH - GY  
 LS - CRM / TAN, VF / F XLN, P / F INTXLN POR, GSFO, LT BRN OIL, VG ODOR  
 LS - WHT / CRM, VF XLN, CHKY  
 SH - GRN / GY  
 LS - CRM / TAN, F XLN, DNS, FOSS IN PT

Drilling w/ 30,000#  
 WOB @ 85 RPM w/  
 7 stands of collars  
 and 800 PSI at the  
 stand pipe

WT 9.2  
 VIS 64

DST #1  
 Topeka, Toronto, & Lansing 'A'  
 2902'-3042'  
 30"-60"-30"-60"

IF: 1 1/2" blow  
 ISI: No return  
 FF: No blow  
 FSI: No return

Rec: 55' OS M

IH: 1474#  
 IF: 25#-38#  
 ISI: 758#  
 FF: 39#-47#  
 FSI: 653#  
 FH: 1420#

WT 9.2  
 VIS 57

DST #2  
 Lansing B, C, D  
 3028'-3081'  
 30"-60"-30"-60"

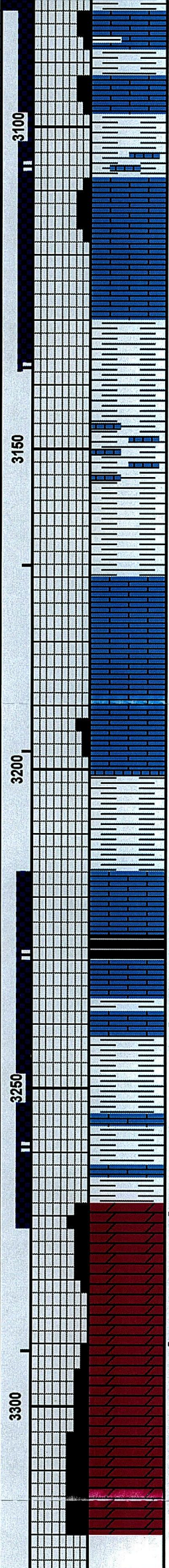
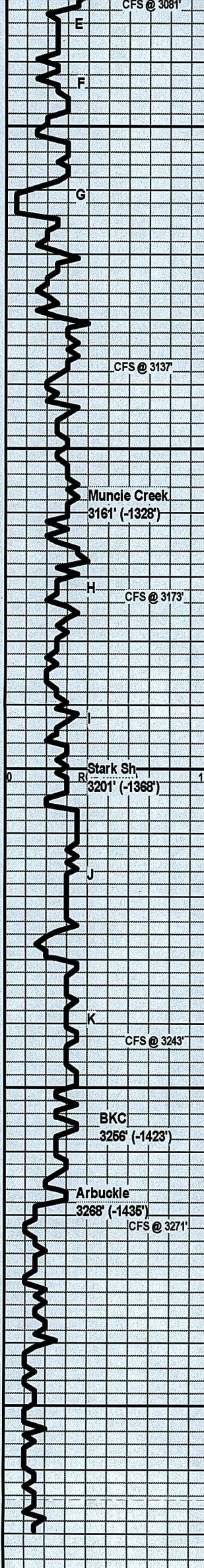
IF: BOB in 7 1/2 min  
 ISI: Very weak Surface blow in 20 min  
 FF: BOB in 22 min  
 FSI: No return

Rec: 40' WCM (40% W, 60% M), 245' W

IH: 1499#  
 IF: 35#-109#  
 ISI: 342#  
 FF: 113#-154#  
 FSI: 321#  
 FH: 1461#

WT 9.2  
 VIS 55

WT 9.2  
 VIS 69



SH - RD / GRN / GY  
 LS - CRM / TAN, VF / F XLN, P / F INTXN POR, FSFO, LT BRN OIL, SLI ODOR, SLI FLUOR  
 LS - BRN, VF / F XLN, P / F INTXN POR, FSFO, DK BRN OIL, VG ODOR, NO FLUOR  
 LS - CRM / TAN, P / F INTXN POR, FSFO, LT BRN OIL, ABUND FOSS, OOL IN PT, NO FLUOR  
 LS - CRM, VF XLN, SUBCHKY / DNS, NS  
 SH - GY  
 SH - RD / GRN / GY  
 SH - GY, LMY IN PT  
 SH - GY / GRN  
 LS - CRM / TAN, PRED SUBCHKY, DNS IN PT, SLI OIL STN, NSFO, NO ODOR, NO FLUOR  
 LS - WHT / CRM, VF / F XLN, SUBCHKY / DNS, P INTXN POR IN PT, SSFO, NO ODOR, SLI FLUOR  
 SH - GY  
 SH - RD / GRN / GY  
 LS - TAN, F XLN, DNS  
 SH - BLK, CARB  
 LS - CRM / TAN, F XLN, DNS, SLI OIL STN, NSFO, NO ODOR, YEL-GRN FLUOR  
 SH - RD / GRN / GY  
 SH - RD / GRN / GY  
 SH - GRN / MAR / RD  
 DOLO - WHT, F XLN, RHOMBIC, F / G INTXN POR, FSFO, SLI ODOR, YEL FLUOR, SOME POR APPEAR BARREN  
 DOLO - WHT, F XLN, DNS, NS  
 DOLO - WHT, F XLN, RHOMBIC, P INTXN POR, SSFO, SLI ODOR, SLI LT GRN FLUOR  
 DOLO - WHT, F XLN, SLI RHOMBIC, F / G INTXN POR, NS

WT 9.2  
 VIS 53

DST #3  
 Lansing E, F, & G  
 3078'-3137'  
 30"-60"-30"-60"

IF: BOB in 2 1/2 min  
 ISI: No return  
 FF: BOB in 4 min  
 FSI: No return

Rec: 125' GVSOWCO (20% G, 70% O, 10% W), 80' GOCM (25% G, 20% O, 55% M)

IH: 1524#  
 IF: 38#-74#  
 ISI: 679#  
 FF: 78#-87#  
 FSI: 451#  
 FH: 1491#

WT 9.1  
 VIS 51

DST #4  
 Arbuckle  
 3217'-3271'  
 30"-60"-30"-60"

WT 9.1  
 VIS 50

IF: BOB in 1 min  
 ISI: No return  
 FF: BOB in 1 1/2 min  
 FSI: No return

Rec: 2270' MW w/ H2S Gas (dropped bar)

IH: 1633#  
 IF: 216#-797#  
 ISI: 1098#  
 FF: 822#-1026#  
 FSI: 1099#  
 FH: 1669#

WT 9.2  
 VIS 55  
 WT 9.2  
 VIS 55  
 WT 9.2  
 VIS 60+

WT 9.2  
 VIS 55

RTD 3320'