



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1168339
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
-----------------------------------	-----------------	---

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: _____



1168339

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
--	---

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------	-------	---------	------------	---

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

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> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Samuel Gary Jr. & Associates, Inc.
Well Name	DORIS SCHMIDT 1-23
Doc ID	1168339

All Electric Logs Run

DEN-NEUT
INDUCTION
MICRO
SONIC
SPECTRAL

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 14, 2013

CLAYTON CAMOZZI
Samuel Gary Jr. & Associates, Inc.
1515 WYNKOOP, STE 700
DENVER, CO 80202

Re: ACO1
API 15-051-26570-00-00
DORIS SCHMIDT 1-23
NE/4 Sec.23-12S-17W
Ellis 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,
CLAYTON CAMOZZI



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: 7/26/2013
 Invoice # 7274

P.O.#:
 Due Date: 8/25/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference:
 DORIS SCHMIDT 1-23

Description of Work:
 LONG SURFACE JOB

DRLG COMP W/O LOE GG

Account	8200-138
Well/Prospect	
Deck	
AFE	
Approval	AB
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	375	\$ 5,105.57	Yes				
8 5/8" Basket	3	\$ 1,029.26	Yes				
Bulk Truck Matl-Material Service Charge	396	\$ 859.89	No				
Calcium Chloride	14	\$ 724.43	Yes				
8 5/8" Centralizer	3	\$ 208.46	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 173.37	No				
Premium Gel (Bentonite)	7	\$ 123.73	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 101.45	No				

Invoice Terms:

Net 30

SubTotal: \$ 9,530.33
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,429.55)

SubTotal for Taxable Items:	\$ 6,293.61
SubTotal for Non-Taxable Items:	\$ 1,807.18
Total:	\$ 8,100.78
Tax:	\$ 387.06

6.15% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 8,487.84
Applied Payments:
Balance Due: \$ 8,487.84

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. 7274

Date	7-26-13	Sec.	23	Twp.	12	Range	17	County	Ellis	State	KS	On Location		Finish	3:45 PM
------	---------	------	----	------	----	-------	----	--------	-------	-------	----	-------------	--	--------	---------

Location Codel + Buckeye Rd R/E Sinto

Lease Doris Schmidt Well No. #1-23 Owner

Contractor Discovery #2 To Quality Oilwell Cementing, Inc.
Type Job Surface 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. 818 Charge To Sam Gary Jr & Associates

Csg. 8 5/8 Depth 818 Street

Tbg. Size Depth 818 City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 41.97 Shoe Joint 41.97 Cement Amount Ordered 375 3+2

Meas Line Displace 49 bbl

EQUIPMENT Common 375

Pumptrk 5 No. Cementer Billy Helper Billy Poz. Mix

Bulktrk 12 No. Driver Chad Driver Chad Gel. 7

Bulktrk PU No. Driver Brett Driver Brett Calcium 14

JOB SERVICES & REMARKS Hulls

Remarks: Salt

Rat Hole Flowseal

Mouse Hole Kol-Seal

Centralizers 1,5,14 Mud CLR 48

Baskets 1,5,18 CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

~~Cement~~ Handling 396

Mileage

FLOAT EQUIPMENT

Cement Guide Shoe

Centralizer - 3

Baskets - 3

Circulated! AFU Inserts

Float Shoe

Latch Down 1 8/16 Rubber plug

✓ Baffle Plate 1

Pumptrk Charge Long Surface

Mileage 16

Signature [Signature]

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: 8/1/2013
 Invoice # 7276
 P.O.#:
 Due Date: 8/31/2013
 Division: Russell

Invoice

Contact:
 Samuel Gary Jr & Associates Inc
Address/Job Location:
 Samuel Gary Jr & Associates Inc
 1815 11th Street
 Great Bend, KS 67530

Reference:
 DORIS SCHMIDT 1-23

Description of Work:
 PLUG JOB

RECEIVED

AUG 08 2013

SAMUEL GARY JR.
& ASSOCIATES, INC.

DRLG COMP W/O LOE GG

Account	8270.145
Well/Prospect	
Deck	
AFE	KS
Approval	
Description	

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	Yes				
Common-Class A	138	\$ 1,934.11	Yes				
Bulk Truck Matl-Material Service Charge	238	\$ 532.00	Yes				
POZ Mix-Standard	92	\$ 472.99	Yes				
Pump Truck Mileage-Job to Nearest Camp	16	\$ 178.47	Yes				
Flo Seal	50	\$ 111.76	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	16	\$ 104.43	Yes				
Dry Hole Plug	1	\$ 62.59	Yes				
Premium Gel (Bentonite)	8	\$ 145.56	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 4,562.46

Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (684.37)

SubTotal for Taxable Items: \$ 3,878.09

SubTotal for Non-Taxable Items: \$ -

Total: \$ 3,878.09

Tax: \$ 238.50

6.15% Ellis County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,116.59

Applied Payments:

Balance Due: \$ 4,116.59

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. 7276

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-1-13	23	12	17	Ellis	KS		3:00 PM

Location Codell + Buckeye Rd 1/2 E S into

Lease Doris Schmidt Well No. 1-23 Owner

Contractor Discovery #2 To Quality Oilwell Cementing, Inc.
Type Job Plug You are hereby requested to rent cementing equipment and furnish
Hole Size 7 1/4 T.D. Charge To Samuel Gary Jr + Associates
Csg. Drill Pipe Depth 3900' Street
Tbg. Size Depth City State
Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. Shoe Joint Cement Amount Ordered 230 6 3/4 4 1/2 Gel 1/4 flo

Meas Line Displace

EQUIPMENT				Common
Pumptrk	5	No.	Cementer Helper <u>Billy</u>	<u>138</u>
Bulktrk	8	No.	Driver <u>Doug</u>	<u>92</u>
Bulktrk	PU	No.	Driver <u>Brett</u>	<u>8</u>
			Driver	Calcium

JOB SERVICES & REMARKS

Remarks: Hulls
Rat Hole 30 sx Flowseal 50#
Mouse Hole 15 sx Kol-Seal
Centralizers Mud CLR 48
Baskets CFL-117 or CD110 CAF 38
D/V or Port Collar Sand

1st plug @ 3675' 50 sx Handling 238
2nd @ 1350' 25 sx Mileage
3rd @ 850' 100 sx
4th @ 40' 10 sx

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge plug
Mileage 16

X Signature [Signature] Tax
Discount
Total Charge



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr & Associates

23-12s-17w Ellis KS

1515 Wynkoop STE 700
Denver CO, 80202

Doris Schmidt 1-23

ATTN: Chris Mitchell

Job Ticket: 53939

DST#: 1

Test Start: 2013.07.30 @ 08:00:00

GENERAL INFORMATION:

Formation: **LKC "F-H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:54:30
 Time Test Ended: 15:40:30
 Interval: **3442.00 ft (KB) To 3527.00 ft (KB) (TVD)**
 Total Depth: 3527.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 53
 Reference Elevations: 2134.00 ft (KB)
 2126.00 ft (CF)
 KB to GR/CF: 8.00 ft

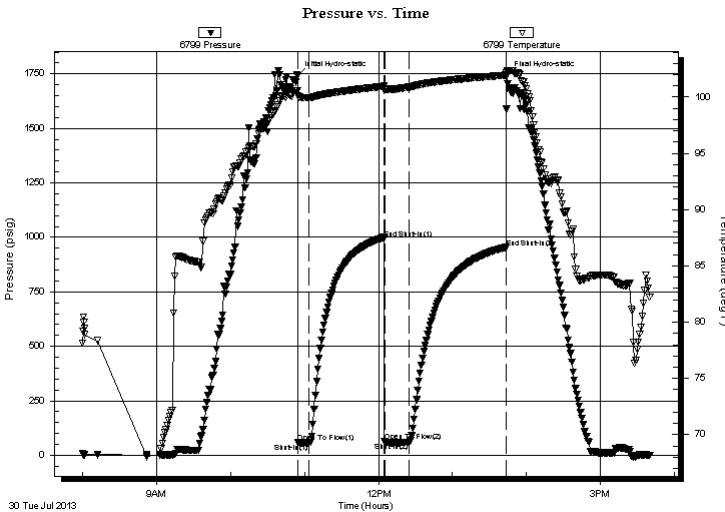
Serial #: 6799

Inside

Press @ Run Depth: 58.22 psig @ 3443.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.30 End Date: 2013.07.30 Last Calib.: 2013.07.30
 Start Time: 08:00:05 End Time: 15:40:29 Time On Btm: 2013.07.30 @ 10:54:15
 Time Off Btm: 2013.07.30 @ 13:44:00

TEST COMMENT: 10 - IF- 1/4" blow
 60 - IS- No return
 20 - FF- Surface blow
 80 - FS- No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1740.90	100.57	Initial Hydro-static
1	59.57	100.08	Open To Flow (1)
10	54.55	99.97	Shut-In(1)
70	995.57	100.97	End Shut-In(1)
71	61.88	100.63	Open To Flow (2)
91	58.22	100.89	Shut-In(2)
170	953.37	101.96	End Shut-In(2)
170	1743.10	102.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud, show of oil, 100%M	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates

23-12s-17w Ellis KS

1515 Wynkoop STE 700
Denver CO, 80202

Doris Schmidt 1-23

Job Ticket: 53939

DST#: 1

ATTN: Chris Mitchell

Test Start: 2013.07.30 @ 08:00:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud, show of oil, 100%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

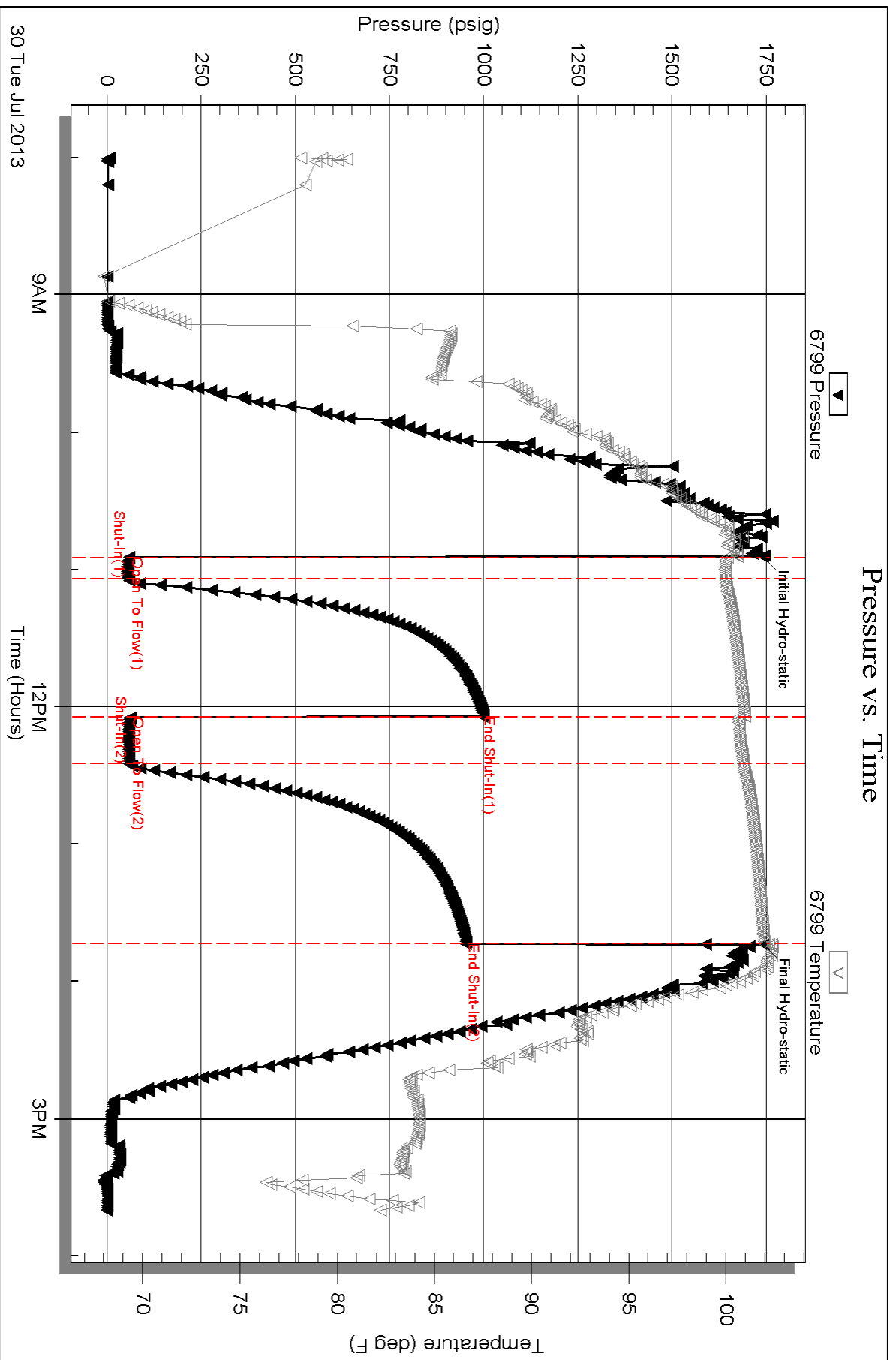
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler: 150 PSI, 300ML Mud with spots of oil

Pressure vs. Time



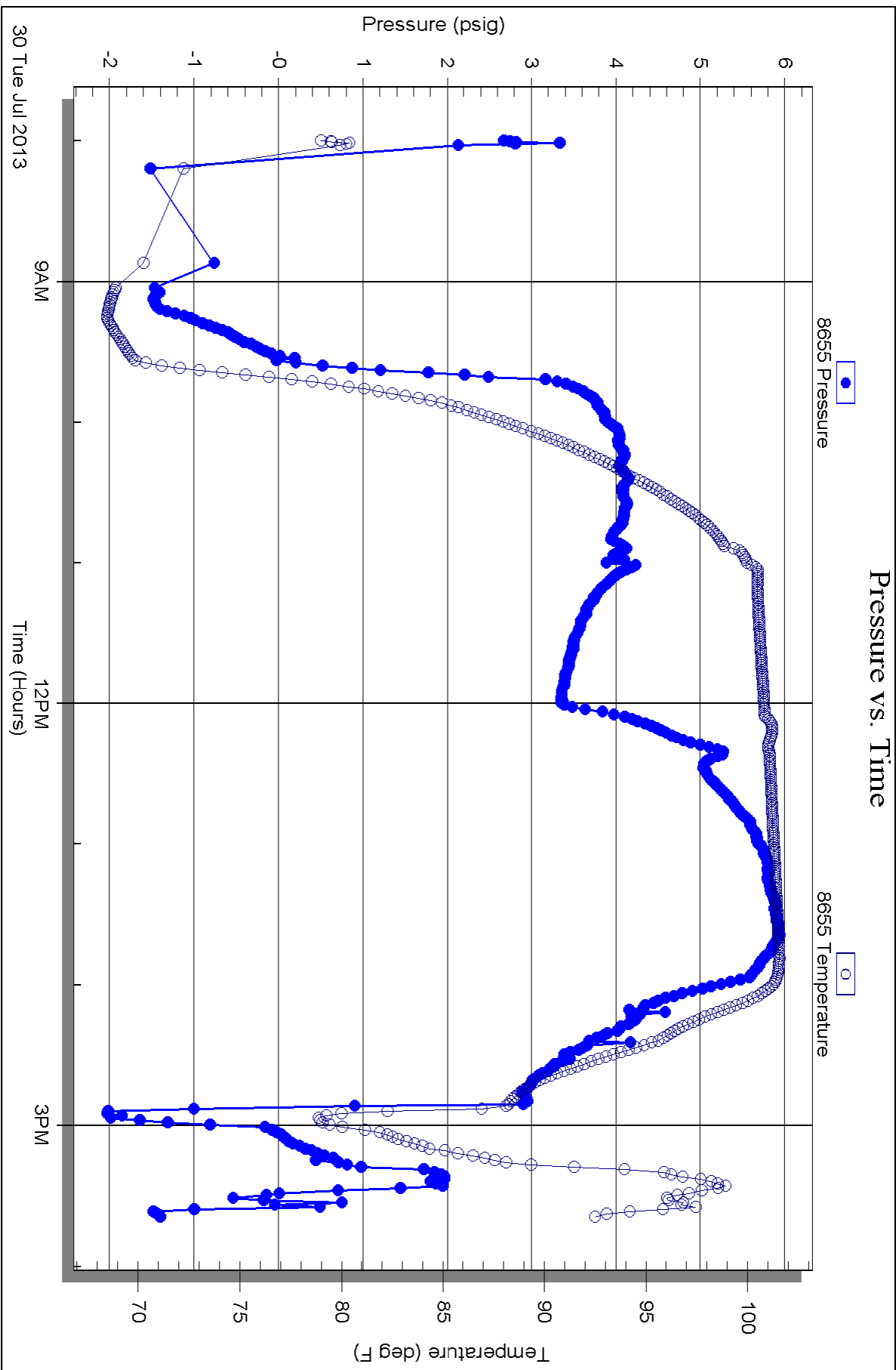
Serial #: 8655

Fluid

Samuel Gary Jr & Associates

Doris Schmidt 1-23

DST Test Number: 1





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

23-12s-17w Ellis KS

1515 Wynkoop STE 700
Denver CO 80202

Doris Schmidt 1-23

ATTN: Chris Mitchell

Job Ticket: 54751

DST#: 2

Test Start: 2013.07.31 @ 00:15:00

GENERAL INFORMATION:

Formation: **KC "I-J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:02:45

Time Test Ended: 06:36:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Brett Dickinson

Unit No: 53

Interval: 3524.00 ft (KB) To 3568.00 ft (KB) (TVD)

Reference Elevations: 2134.00 ft (KB)

Total Depth: 3568.00 ft (KB) (TVD)

2126.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 29.70 psig @ 3525.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.07.31

End Date:

2013.07.31

Last Calib.: 2013.07.31

Start Time: 00:15:05

End Time:

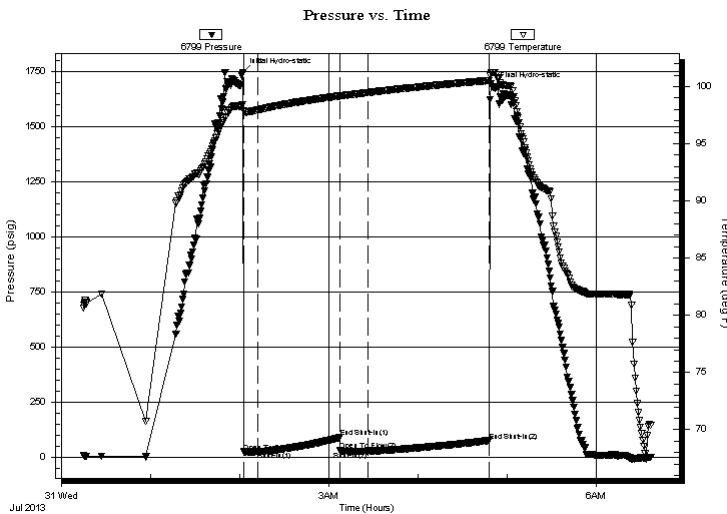
06:36:44

Time On Btm: 2013.07.31 @ 02:02:00

Time Off Btm: 2013.07.31 @ 04:50:30

TEST COMMENT: 10min IF-1 1/2in blow
60min ISI-No blow
20min FF-No blow
80min FSI-No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1744.64	98.41	Initial Hydro-static
1	25.09	97.92	Open To Flow (1)
10	26.27	97.96	Shut-In(1)
66	90.78	99.19	End Shut-In(1)
66	30.62	99.18	Open To Flow (2)
85	29.70	99.49	Shut-In(2)
167	75.85	100.54	End Shut-In(2)
169	1680.79	101.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 15%O 85%M	0.07

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

23-12s-17w Ellis KS

1515 Wynkoop STE 700
Denver CO 80202

Doris Schmidt 1-23

ATTN: Chris Mitchell

Job Ticket: 54751

DST#: 2

Test Start: 2013.07.31 @ 00:15:00

GENERAL INFORMATION:

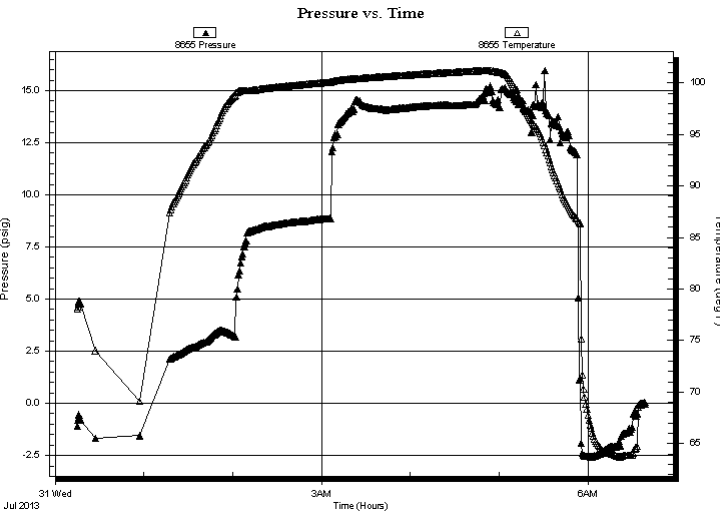
Formation: **KC "I-J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:02:45
 Time Test Ended: 06:36:45
 Interval: **3524.00 ft (KB) To 3568.00 ft (KB) (TVD)**
 Total Depth: 3568.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 53
 Reference Elevations: 2134.00 ft (KB)
 2126.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8655

Fluid

Press @ Run Depth: psig @ 3488.00 ft (KB)
 Start Date: 2013.07.31 End Date: 2013.07.31
 Start Time: 00:15:05 End Time: 06:38:29
 Capacity: 8000.00 psig
 Last Calib.: 2013.07.31
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 10min IF-1 1/2in blow
 60min ISI-No blow
 20min FF-No blow
 80min FSI-No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
15.00	OCM 15%O 85%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

23-12s-17w Ellis KS

1515 Wynkoop STE 700
Denver CO 80202

Doris Schmidt 1-23

Job Ticket: 54751

DST#: 2

ATTN: Chris Mitchell

Test Start: 2013.07.31 @ 00:15:00

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: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	OCM 15%O 85%M	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

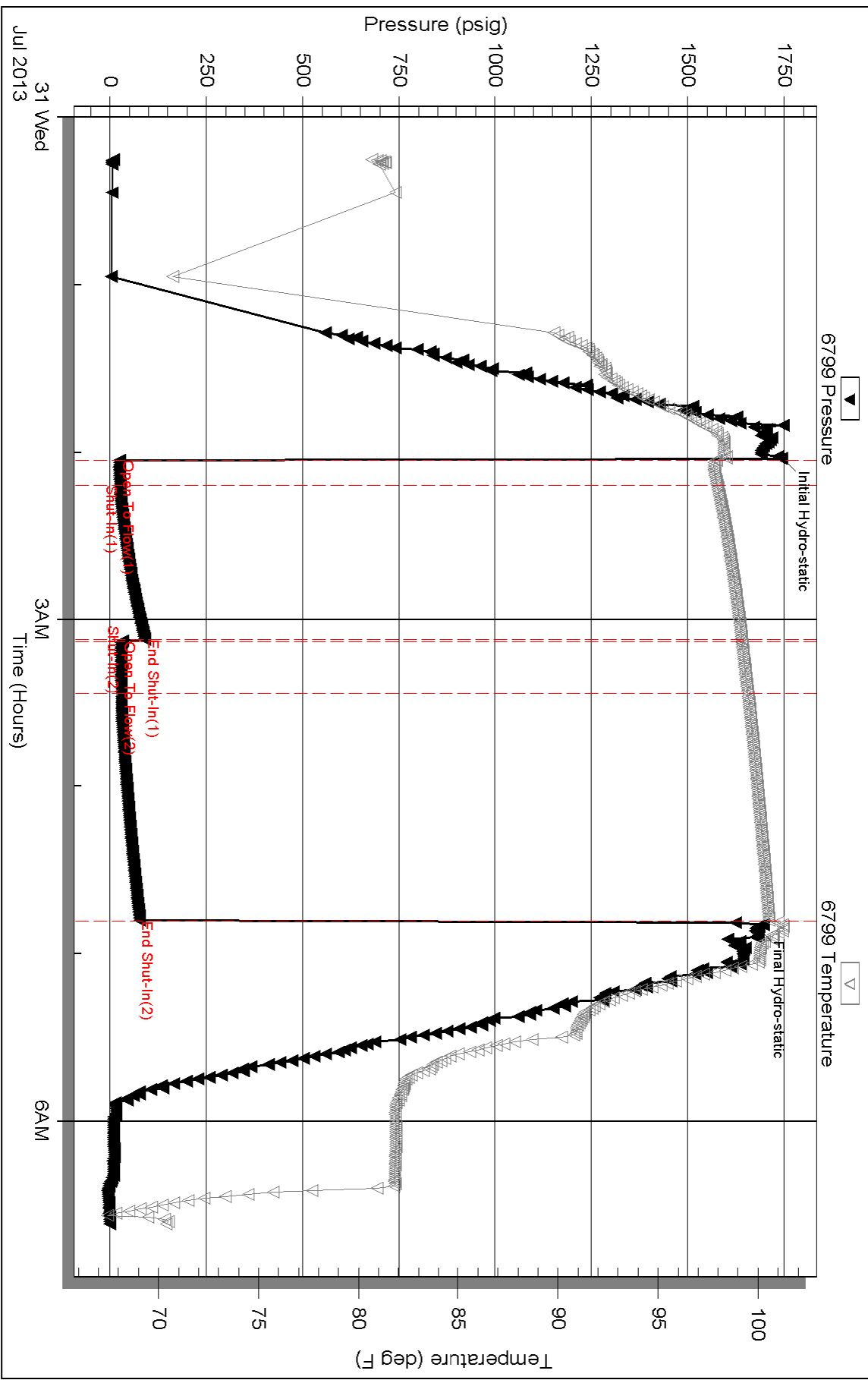
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Samler Data 1400 ml M 200ml O

Pressure vs. Time



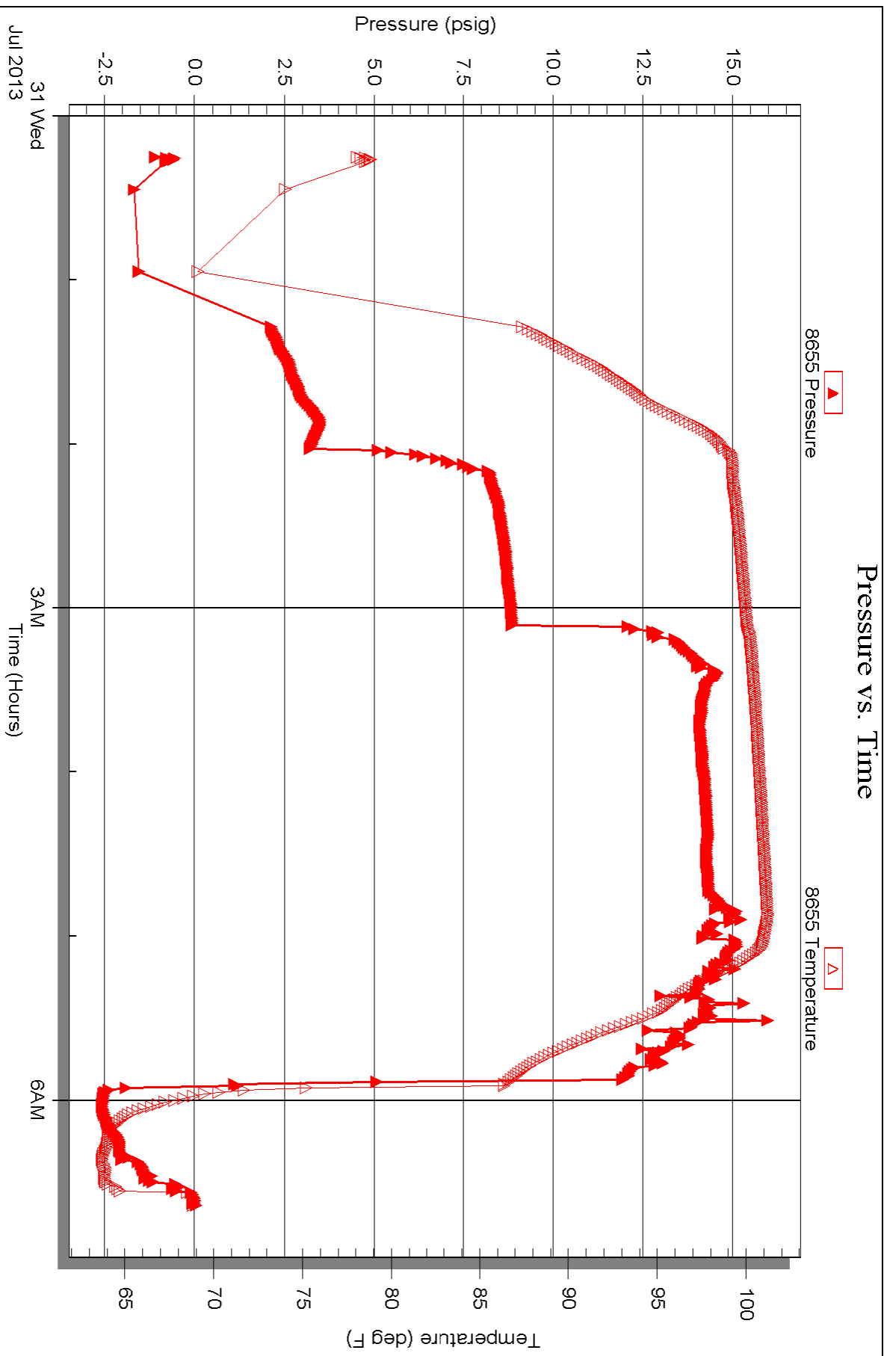
Serial #: 8655

Fluid

Samuel Gary Jr. & Associates

Doris Schmidt 1-23

DST Test Number: 2





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

Well Name: Doris Schmidt 1-23
 Location: Sec. 23-12S-17W Ellis County, Kansas
 License Number: 15-051-26570-0000
 Spud Date: July 25, 2013
 Surface Coordinates: 1750 FNL/ 1320 FEL
 Region: WILDCAT
 Drilling Completed: July 31, 2013

Bottom Hole Coordinates:
 Ground Elevation (ft): 2126' K.B. Elevation (ft): 2134'
 Logged Interval (ft): 3050' To: 3800' Total Depth (ft): 3800'
 Formation:
 Type of Drilling Fluid:

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
 Address: 1515 Wynkoop, Ste. # 700
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 Geo: Chris Mitchell

GEOLOGIST

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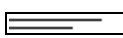

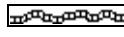



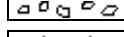


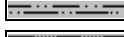
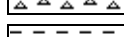



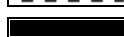


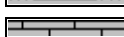

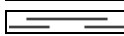
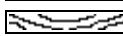


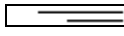




DST's Report

DST#1 3442'-3527' 10 60 20 80
 IF- 1/4" BLOW/ ISI- NO RETURN/ FF- SURFACE BLOW/ FSI- NO RETURN
 IH- 1740, FH- 1743/ IF- 59 TO 61/ FF- 54 TO 58/ ISI- 995, FSI- 953
 RECOVERY- 20' MUD W/ SHOW OF OIL, 100% MUD
 SAMPLER- 300 ML MUD/ 300 ML TOTAL

DST's Report

DST#2 3524'-3568' 10 60 20 80
 IF- 1 1/2" BLOW/ ISI- NO BLOW/ FF- NO BLOW/ FSI- NO BLOW
 IH- 1745, FH- 1681/ IF- 25 TO 31/ FF- 26 TO 30/ ISI- 91, FSI- 76
 RECOVERY- 15' OCM, 10% OIL, 90% MUD
 SAMPLER- 200 ML OIL, 1400 ML MUD, 1600 ML TOTAL

ROCK TYPES

 Anhy	 Gyp	 Shgy	 Sandylms
 Bent	 Igne	 Sltst	 Shale
 Brec	 Lmst	 Ss	 Sltstn
 Cht	 Meta	 Till	 Shlyslts
 Clyst	 Mrlst	 Carb sh	 Sltyslts
 Coal	 Salt	 Dol	 Lms
 Congl	 Shale	 Dtd	
 Dol	 Shcol	 Gry sh	

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
- Slty

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
- Sandyms
- 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

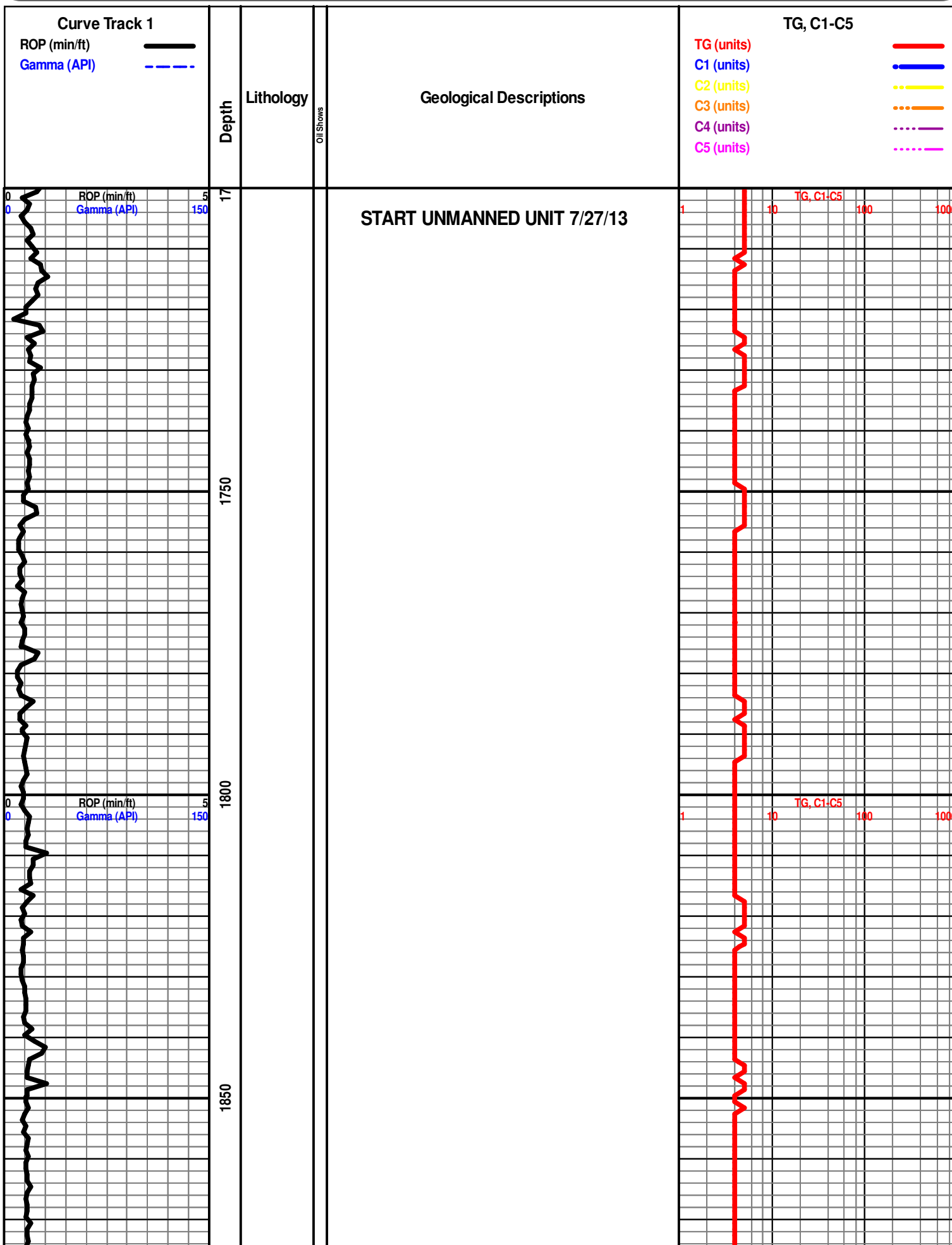
- Even
- Spotted
- Ques
- Dead
- Gas show

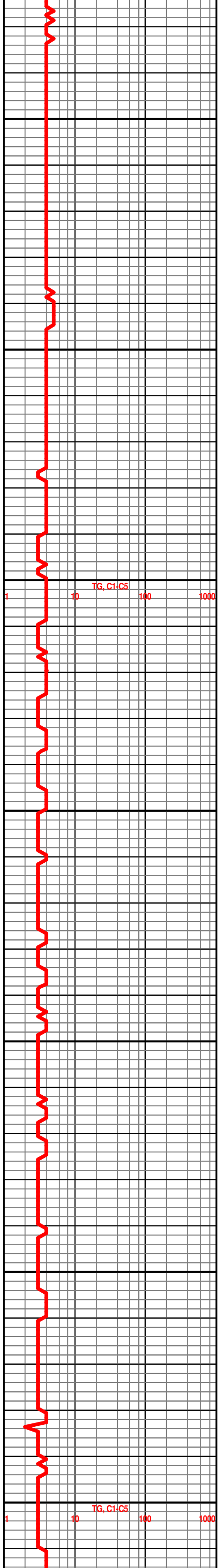
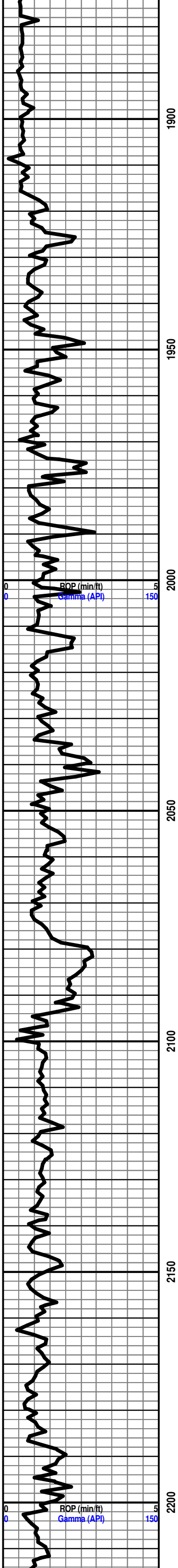
INTERVALS

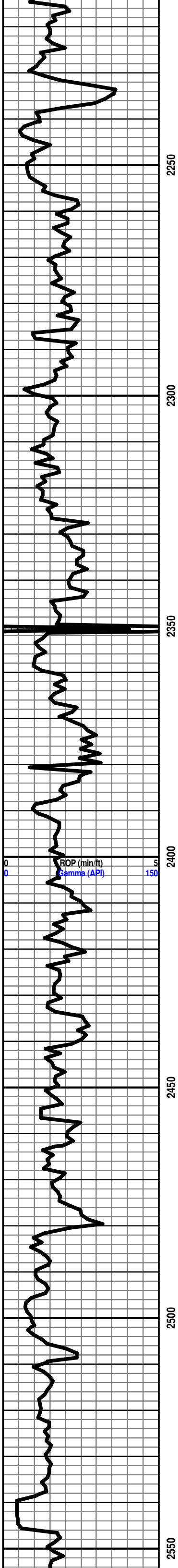
- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall

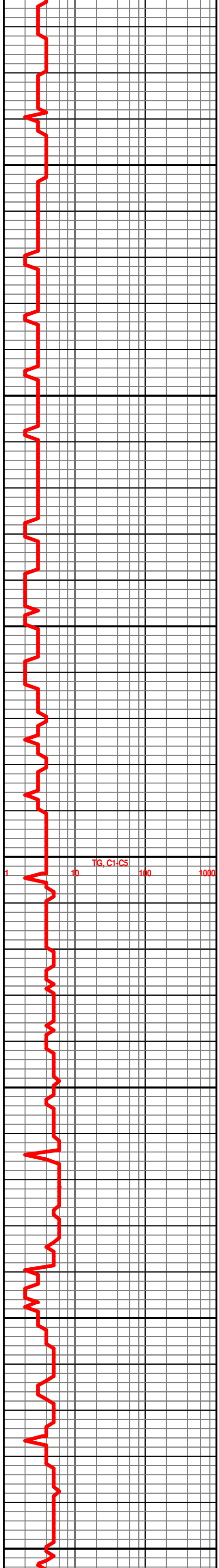




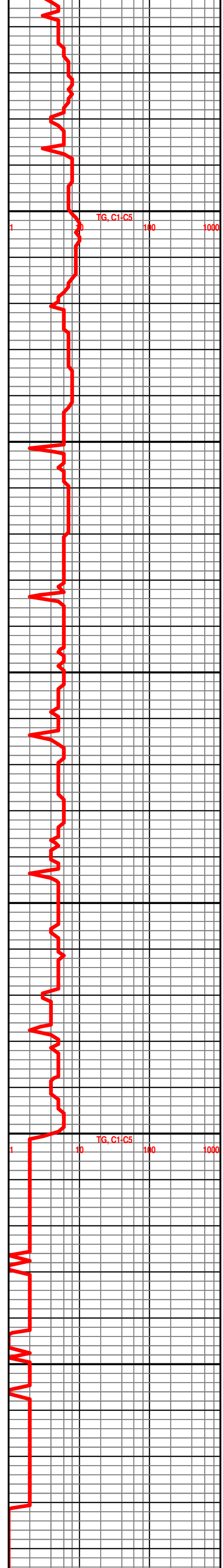
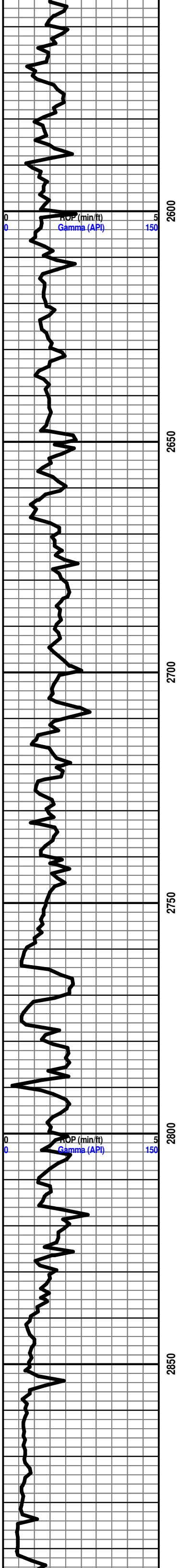


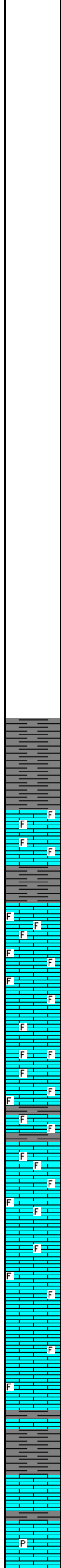
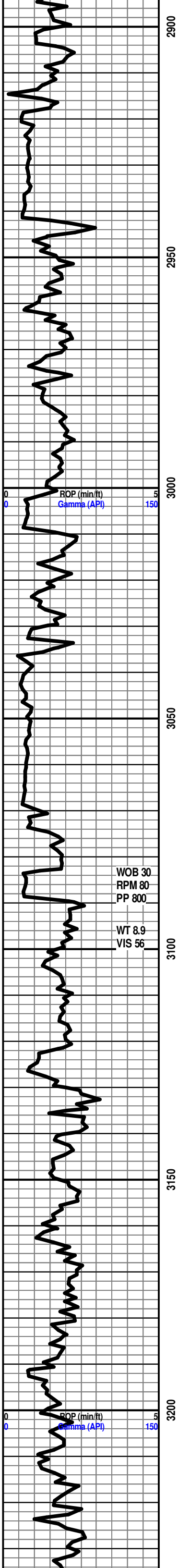
2550 2500 2450 2400 2350 2300 2250

ROP (min/ft)
Gamma (API)



TG, C1-C5





**START 24 HOUR UNMANNED UNIT
7/29/13**

SH- LT GY TO DK GY, FRM BLKY TO SFT GMMY IP, SMTH TXT

HOWARD 3069' -935'

LS- CRM TO LT TN, HD DNS TO BRIT, F XLN RE-XLN MTRX, S-CHLKY, ABDT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

TOPEKA 3089' -955'

LS- CRM TO LT TN, HD DNS TO BRIT IP, F TO MD XLN RE XLN MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, NO VIS FLO, PR INTR FOSS POR IN 1%, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-CHLKY IP, IMBD FOSS FRG THRU, TR CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY, HD DNS TO BRIT IP, V/F TO MD XLN RE-XLN MTRX, S-CHLKY IP, ABDT IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO, SCAT IMBD FOSS FRG THU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- TN TO GY, HD DNS TO V/BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO IP, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TO TN, HDD NS TO V/BRIT IP, F TO MD XLN RE-XLN MTRX, S-SUCRO IP, IMBD FOSS FRG THRU, SLI TRI IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

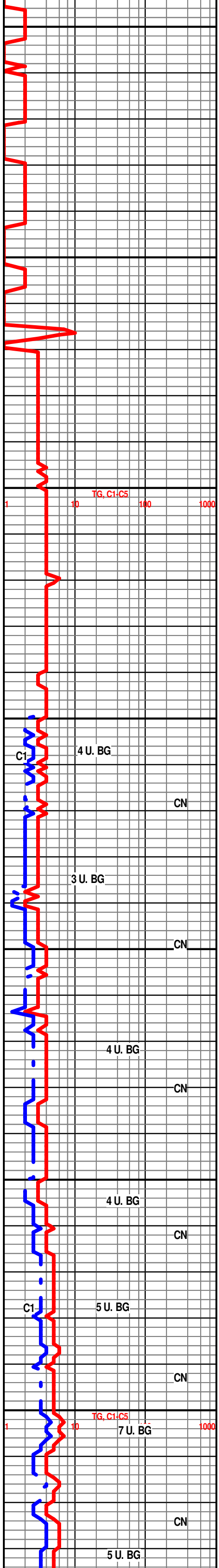
LS- LT TN TN TO GY, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO, SLI TR IMBD FOSS FRG IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TO TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- LT GY TO GY, FRM BLKY TO SPLNY, SMTH TO SLTY TXT

LE COMPTON 3224' -1090'

LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, TR RE-XLN IP, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW



WOB 30
RPM 80
PP 800

WT 8.9
VIS 56

TG, C1-C5

C1 4 U. BG

3 U. BG

4 U. BG

4 U. BG

C1 5 U. BG

TG, C1-C5 7 U. BG

5 U. BG

CN

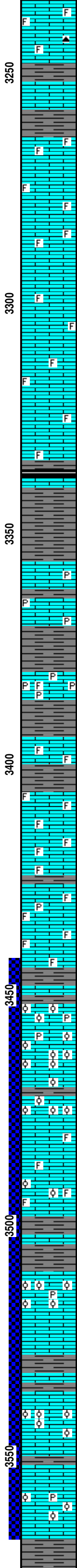
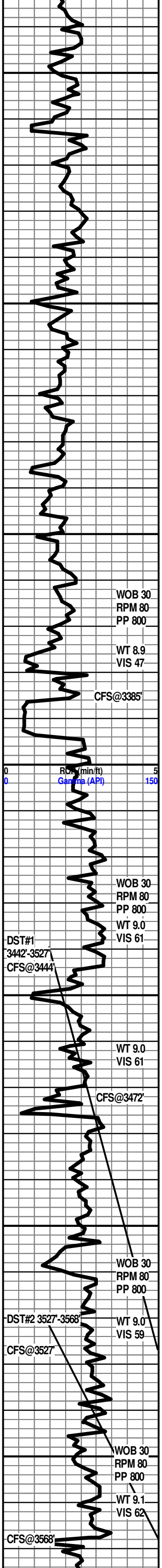
CN

CN

CN

CN

CN



LS- OFF WHT TO LT TN, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, SCAT IMBD FOSS FRG THRU, SLI TR LT GY CHRT IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

SH- BRWN GY TO DK GY, FRM BLKY, SMTH TXT

SH- BRWN GY TO DK GY, FRM BLKY, SMTH TXT

LS- OFF WHT CRM TO LT TN, HD DNS TO BRIT IP, F TO MD XLN RE-XLN MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- LT TN TN TO GY MOTT IP, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TO TN, HD DNS TO BRIT, F XLN SUCRO MTRX, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM TO LT TN, HD DNS TO BRIT IP, F XLN SUCRO MTRX, RE-XLN IP, IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- CRM LT TN TO GY, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, RE-XLN IP, SCAT IMBD FOSS FRG THRU, NO VIS FLO, NO VIS POR, NO VIS SHOW

HEEBNER 3335' -1201'

SH- BLCK, SFT, CARB

SH- BRWN GY TO DK GY, FRM BLKY TO SPLNTY, SLTY TXT

LS -LT GY OFF WHT TO CRM, HD DNS TO BRIT, V/F TO F XLN CHLKY MTRX, SCAT IMBD DISS PYR IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

DOUGLAS 3370' -1236'

SH GRN BRWN GY TO DK GY, FRM BLKY, SLTY TXT

LANSING 3380' -1246'

3382'-3384' (ONE ROCK) LS- CRM TO LT TN W/ TN OIL STN IN 40%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, SLI TR IMBD FOSS FRG THRU, ABDT PYR IN TRAY, BRT YEL GLD FLO IN 40%, PR TO FR VUG POR IN 3%, WK FLSH CUT IN 40%, FR SLW STRM IN 40%, NO LCH ON DISH

LANSING "C" 3406'- 1272'

LS- CRM TO LT TN, HD DNS TO BRIT, F TO MD XLN RE-XLN MTRX, S-SUCRO, ABDT IMBD FOSS FRG THRU, SLI TR IMBD CALC XLS IP, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- GY CRM TO LT TN, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY IP, SCAT IMBD FOSS FRG IP, SLI TR PYR IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LS- OFF WHT TO CRM, HD DNS TO BRIT, F XLN SUCRO MTRX, S-CHLKY, IMBD FOSS FRG THRU, SFT WHT CHLK IN TRAY, NO VIS FLO, NO VIS POR, NO VIS SHOW

LANSING "F" 3452' -1318'

3452'-3454' LS- LT TN TO TN W/ TN OIL STN IN 60%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, SFT WHT CHLK IN TRAY, TR PYR IN TRAY, BRT YEL GLD FLO IN 60%, PR INTR OOL POR IN 4%, GD FLSH CUT IN 60%, GD SLW STRM IN 60%, LT TN LCH ON DISH

3461'-3464' LS- LT TN TO TN W/ TN OIL STN IN 40%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 40%, PR INTR OOL POR IN 3%, GD FLSH CUT IN 50%, GD SLW STRM IN 50%, NO LCH ON DISH

3474'-3476' LS- CRM TO LT TN W/ TN OIL STN IN 70%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 70%, PR TO FR INTR OOL POR IN 4%, FR TO GD VUG POR IN 3%, FR TO GD FLSH CUT IN 70%, FR TO GD SLW STRM IN 70%, TN LCH ON DISH

SH- BRWN GY TO DK GY, FRM BLKY TO SPLNTY, SMTH TXT

LANSING "H" 3510' -1376'

3513'-3514' LS- LT TN TO TN W/ TN OIL STN IN 75%, HD DNS TO BRIT IP, V/F TO F XLN SUCRO MTRX, ABDT IMBD OOL THRU, SLI TR IMBD PYR IP, DUL YEL GLD FLO IN 75%, PR TO FR INTR OOL POR IN 3% FR TO GD VUG POR IN 1%, FR FLSH CUT IN 75%, FR SLW STRM IN 75%, LT TN LCH ON DISH

3541'-3543' LS- LT TN TO TN W/ TN OIL STN IN 80%, HD DNS TO BRIT, V/F TO F XLN SUCRO MTRX, S-CHLKY IP, ABDT IMBD OOL THRU, DUL YEL GLD FLO IN 80%, FR TO GD INTR OOL/XLN POR IN 6%, FR FLSH CUT IN 80%, FR TO GD SLW STRM IN 80%, TN LCH ON DISH

LS- CRM TO TN W/ TN OIL STN IN 90%, HD DNS TO BRIT, F TO MD RE-XLN MTRX, S-SUCRO, SCAT IMBD OOL THRU, SLI TR IMBD PYR IP, DUL YEL GLD FLO IN 90%, PR TO FR INTR OOL/XLN POR IN 5%, FR FLSH CUT IN 90%, FR TO GD SLW STRM IN 90%, TN LCH ON DISH

SH- BRWN GY TO DK GY, FRM SPLNTY, SMTH TXT

