

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1265535
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

1265535

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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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. 1425

Date 6-8-15	Sec. 16	Twp. 10	Range 26	County Sheridan	State KS	On Location	Finish 7:30PM
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Location **Quinter & I-70, 8N, 1/2 E, Nn2**

Lease Roberts	Well No. 1-16	Owner
Contractor Discovery 4		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.
Type Job Surface		
Hole Size 12 1/4	T.D. 220	Charge To Sam Gary Jr & Associates
Csg. 8 5/8	Depth 222	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 20	Cement Amount Ordered 200 com, 3% cc, 2% gel, 1/4 #Flt

Meas Line	Displace 12 3/4 bbl	175
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EQUIPMENT

Pumptrk 20	No. Cementer Helper Nick	Common 175
Bulktrk 9	No. Driver Doug	Poz. Mix
Bulktrk PU	No. Driver Travis	Gel. 3
		Calcium 6

JOB SERVICES & REMARKS

Remarks: Cement did circulate	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
	Handling 184
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer 1
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge Surface
	Mileage 41

X Signature [Signature]	Tax
	Discount
	Total Charge

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. 1462

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-16-15	16	10	26	Sheridan	KS		1:00 PM
Lease				Location			
Roberts				Quarter 8N 1/2E N10			
Well No. 1-16				Owner			
Contractor D. Slaton #4				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.	
Type Job Production String				Charge To		Sum Cary	
Hole Size 7 7/8				T.D. 4370			
Csg. 5 1/2 15.50#				Depth 4367		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. 43'				Shoe Joint 43'		Cement Amount Ordered 480 80/20 QMIX 1/4 #10	
Meas Line				Displace 103 BC		1800 Pro-C 10/50lt 5/16 also w/te 200 KCL	
EQUIPMENT				Common		500 gal mud clean	
Pumptrk 20 No. Cementer Helper				Poz. Mix			
Bulktrk 21 No. Driver				Gel.			
Bulktrk 9 No. Driver				Calcium			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole 30SK				Flowseal			
Mouse Hole 15SK				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
5 1/2 spt @ 4367 - Rattle - 4324.				Handling			
Est. Circulation Pump 500 gal mud				Mileage			
Clear 103 BC spacer				FLOAT EQUIPMENT 5 1/2			
Cement Rattle & mouse hole.				Guide Shoe 2 Limit Clamps			
Cement 5 1/2 with 6 15SK.				Centralizer 9 Turbols			
Clear lines Displace Plug 1st 203 BC with KCL.				Baskets 3 Red 1 Canvas			
With pressure 1500#				AFU Inserts			
Plug landed 2000#.				Float Shoe 1			
Release Pressure Day				Laten Down 1			
Cement Circulated				(Rotator)			
Signature				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62891

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2015.06.12 @ 03:45:00

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:00

Time Test Ended: 08:48:30

Interval: 3820.00 ft (KB) To 3843.00 ft (KB) (TVD)

Total Depth: 3843.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Reference Elevations: 2546.00 ft (KB)

2538.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8525

Press @ Run Depth: 453.18 psig @ ft (KB)

Start Date: 2015.06.12

End Date:

2015.06.12

Start Time: 03:46:00

End Time:

08:48:30

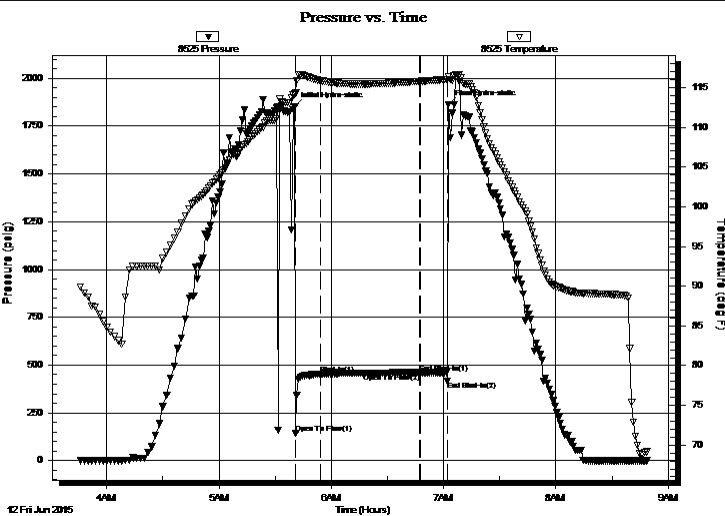
Capacity: 5000.00 psig

Last Calib.: 2015.06.12

Time On Btm: 2015.06.12 @ 05:40:30

Time Off Btm: 2015.06.12 @ 07:02:30

TEST COMMENT: 1st open 10 min Weak surface blow.
1st shut in 60 min No blow back.
2nd open 10 min. Dead
2nd shut in N/A



PRESSURE SUMMARY

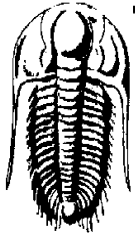
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.16	114.17	Initial Hydro-static
1	143.01	114.31	Open To Flow (1)
14	453.18	115.89	Shut-In(1)
67	460.18	115.78	End Shut-In(1)
67	460.13	115.79	Open To Flow (2)
82	415.54	116.01	End Shut-In(2)
82	1863.41	116.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud 100%	1.55

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

1515 WYNKoop STE 700
Denver Co. 80202

ATTN: Clayton Camozzi

16-10s-26w-Sheridan

Robert 1-16

Job Ticket: 62891

DST#: 1

Test Start: 2015.06.12 @ 03:45:00

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:00

Time Test Ended: 08:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: 3820.00 ft (KB) To 3843.00 ft (KB) (TVD)

Reference Elevations: 2546.00 ft (KB)

Total Depth: 3843.00 ft (KB) (TVD)

2538.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6839

Press @ RunDepth: psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.06.12 End Date: 2015.06.12

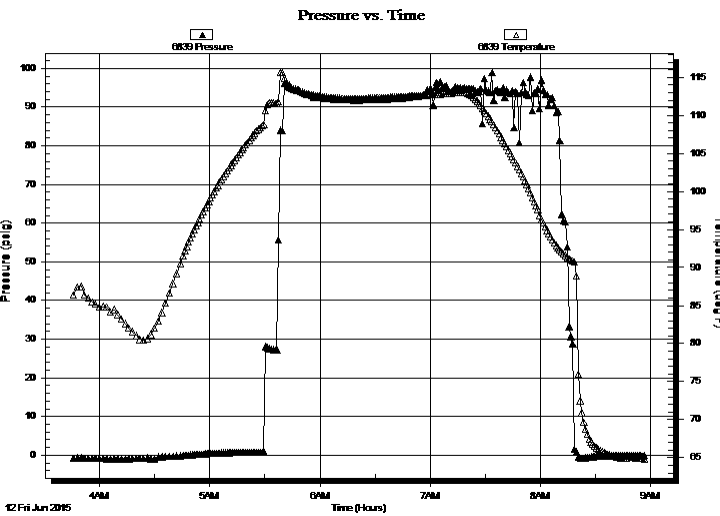
Last Calib.: 2015.06.12

Start Time: 03:46:00 End Time: 08:57:00

Time On Btm:

Time Off Btm:

TEST COMMENT: 1st open 10 min Weak surface blow .
1st shut in 60 min No blow back.
2nd open 10 min. Dead
2nd shut in N/A



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud 100%	1.55

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr.&Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62891

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2015.06.12 @ 03:45:00

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud 100%	1.547

Total Length: 130.00 ft Total Volume: 1.547 bbl

Num Fluid Samples: 0

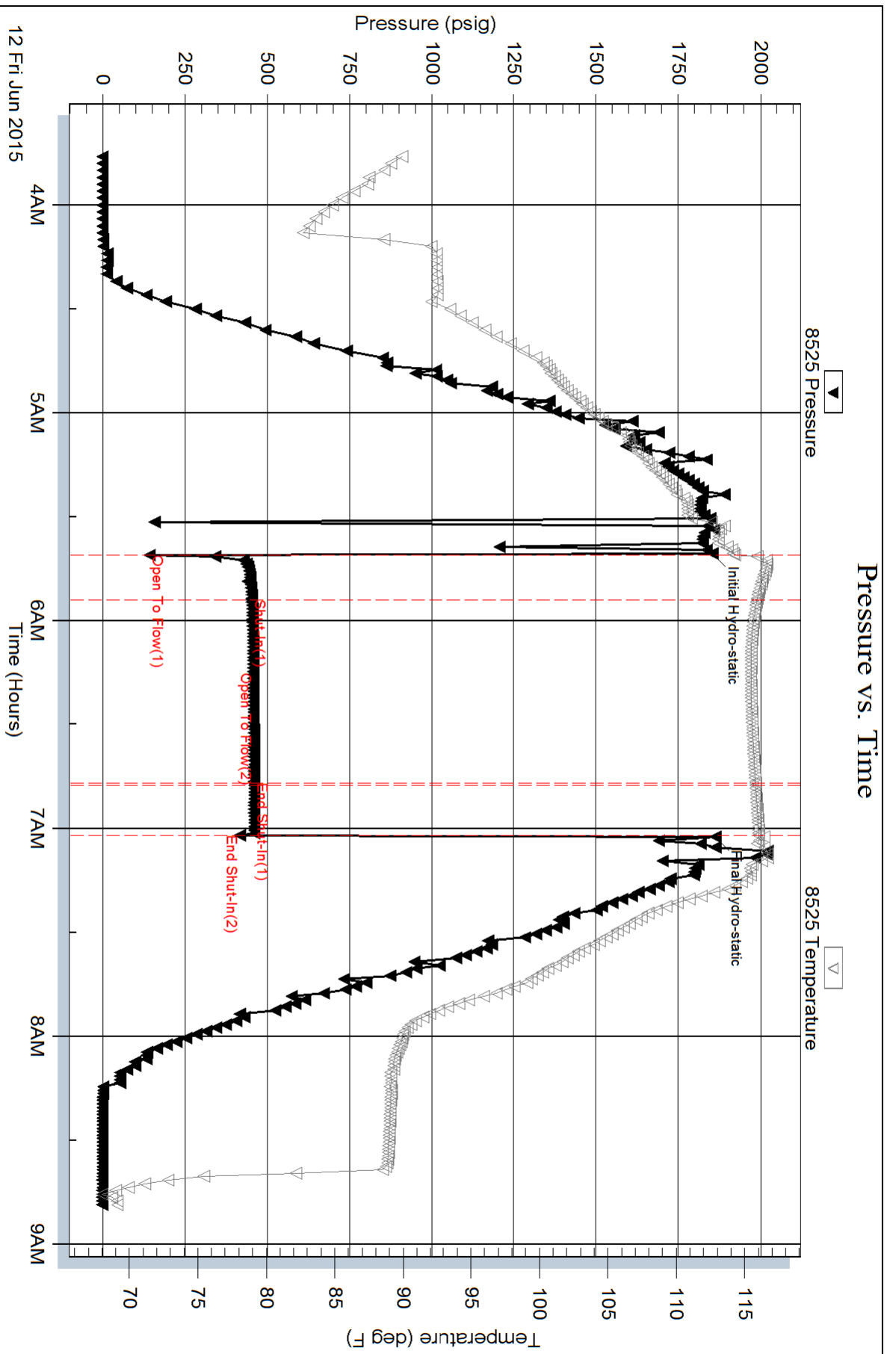
Num Gas Bombs: 0

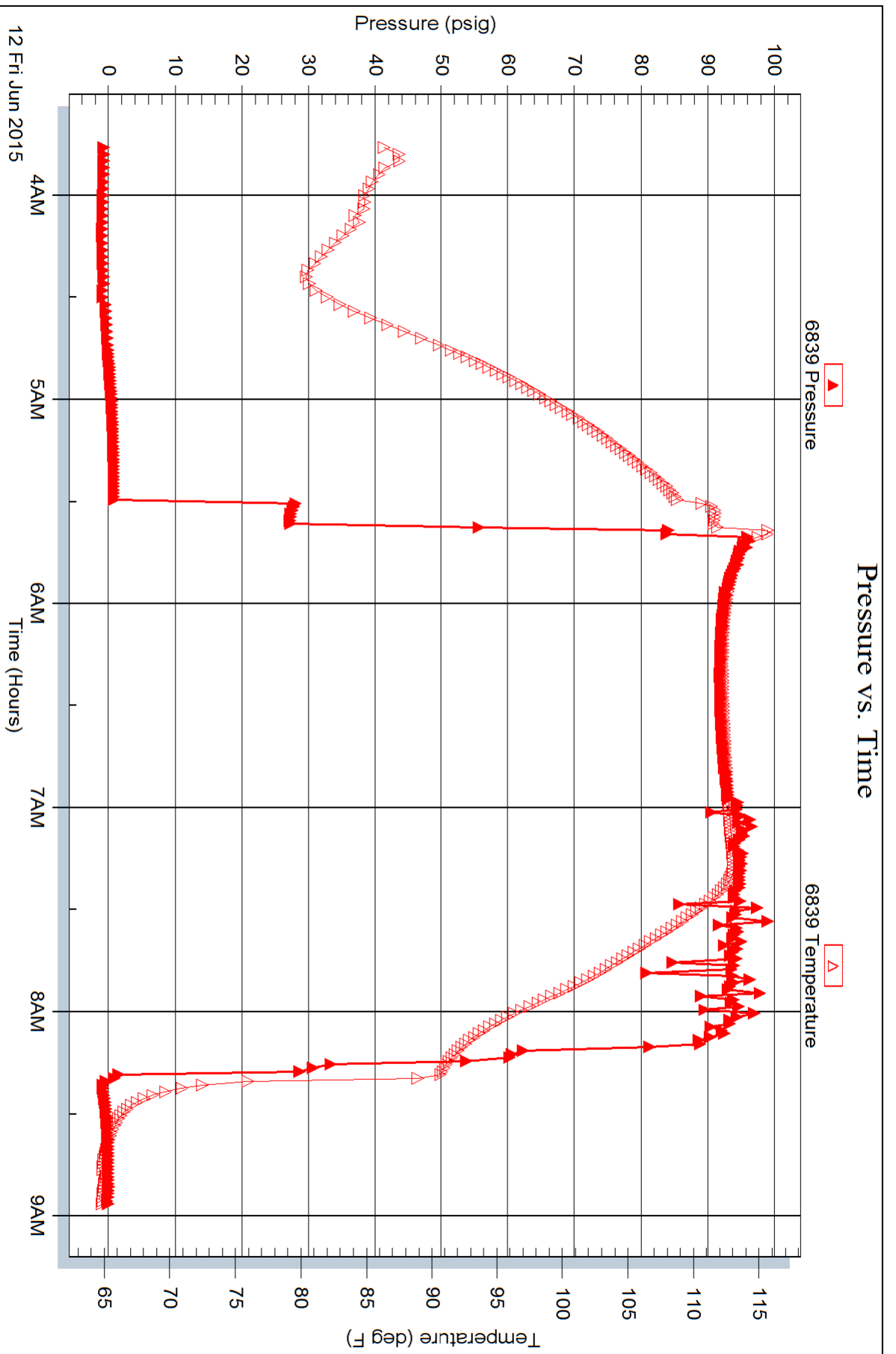
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

ATTN: Clayton Camozzi

Job Ticket: 62892

DST#: 2

Test Start: 2015.06.13 @ 04:17:00

GENERAL INFORMATION:

Formation: **Lansing C-D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:57:30

Time Test Ended: 12:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: 3816.00 ft (KB) To 3858.00 ft (KB) (TVD)

Reference Elevations: 2546.00 ft (KB)

Total Depth: 3858.00 ft (KB) (TVD)

2538.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525 Inside

Press @ Run Depth: 83.70 psig @ 3853.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.06.13

End Date: 2015.06.13

Last Calib.: 2015.06.13

Start Time: 04:18:00

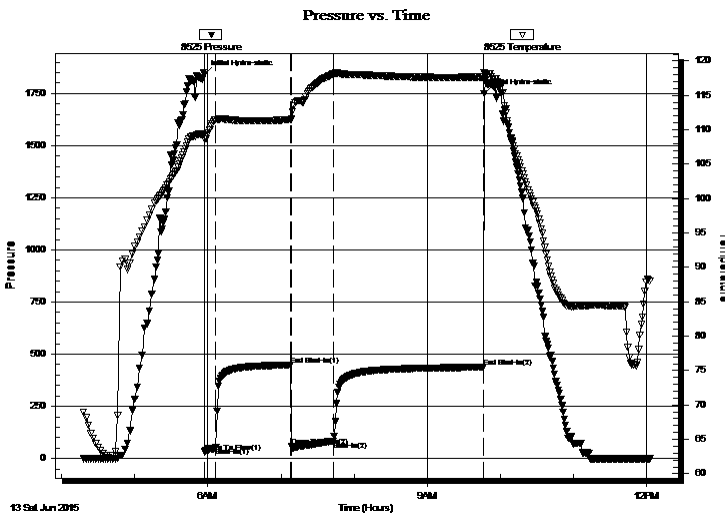
End Time: 12:02:30

Time On Btm: 2015.06.13 @ 05:57:00

Time Off Btm: 2015.06.13 @ 09:46:30

TEST COMMENT: 1st Open 10 min. Fair building blow built to 4 inches.
1st Shut in 60 min. No blow back.
2nd Open 40 min. Good building blow built to 6.5 inches.
2nd Shut in 120 min. No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.58	109.28	Initial Hydro-static
1	32.13	108.64	Open To Flow (1)
10	53.39	111.42	Shut-In(1)
71	447.71	111.49	End Shut-In(1)
72	57.94	111.55	Open To Flow (2)
106	83.70	118.13	Shut-In(2)
229	438.06	117.67	End Shut-In(2)
230	1749.41	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Clean oil 100%	0.02
30.00	Oil cut mud 70%Oil 30%Mud	0.18
60.00	Oil cut mud 5%oil 90% Mud	0.84
47.00	Oil spotted mud 100% Mud	0.66

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62892

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 04:17:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
4.00	Clean oil 100%	0.020
30.00	Oil cut mud 70%Oil 30%Mud	0.181
60.00	Oil cut mud 5%oil 90% Mud	0.842
47.00	Oil spotted mud 100% Mud	0.659

Total Length: 141.00 ft

Total Volume: 1.702 bbl

Num Fluid Samples: 0

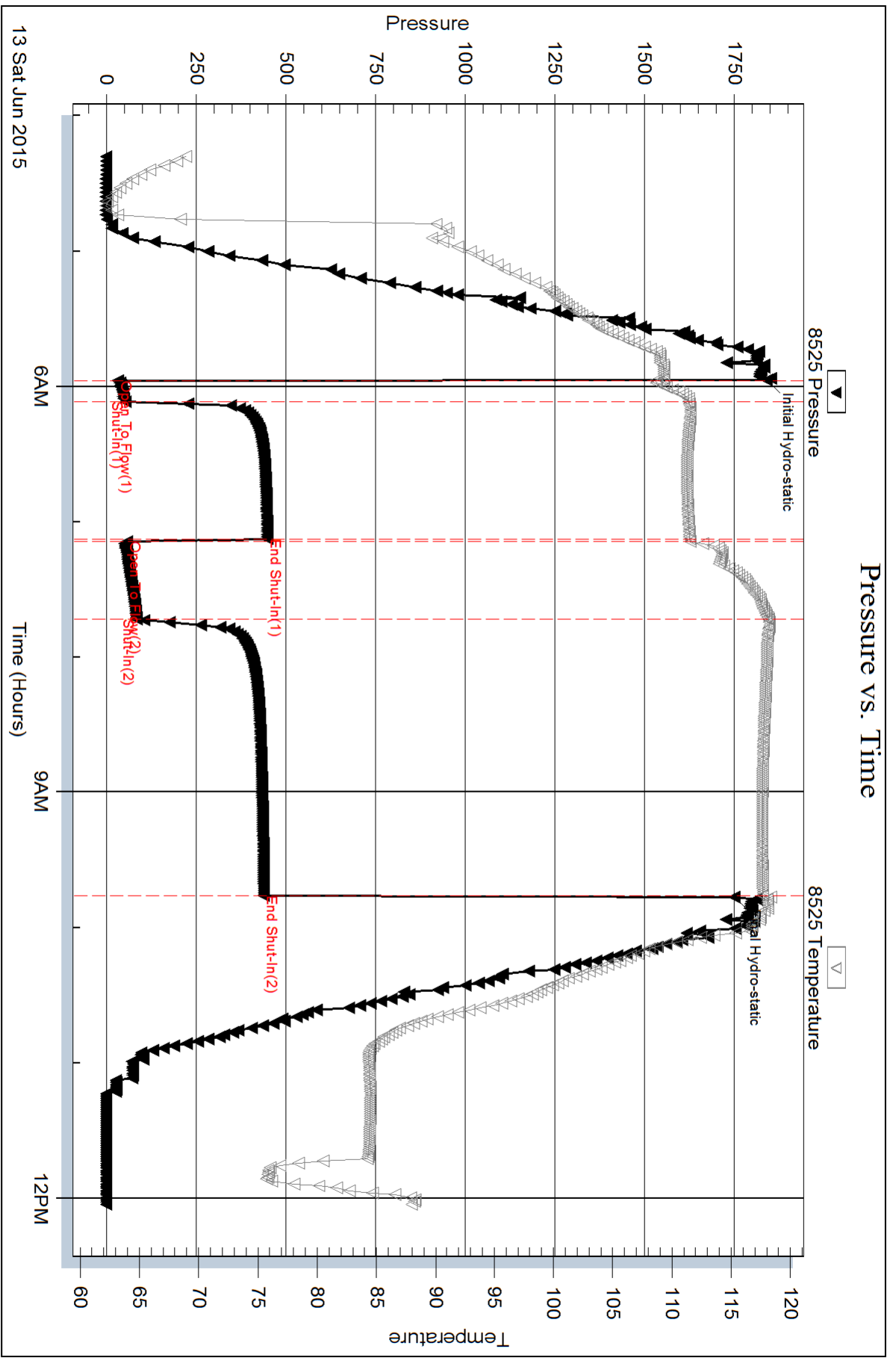
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62893

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 07:47:00

GENERAL INFORMATION:

Formation: **Lansing F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:21:00

Time Test Ended: 15:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: **3868.00 ft (KB) To 3892.00 ft (KB) (TVD)**

Total Depth: 3892.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2546.00 ft (KB)

2538.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8525 Inside

Press @ Run Depth: 106.45 psig @ 3887.00 ft (KB)

Start Date: 2015.06.13

End Date: 2015.06.13

Start Time: 07:48:00

End Time: 15:03:30

Capacity: 5000.00 psig

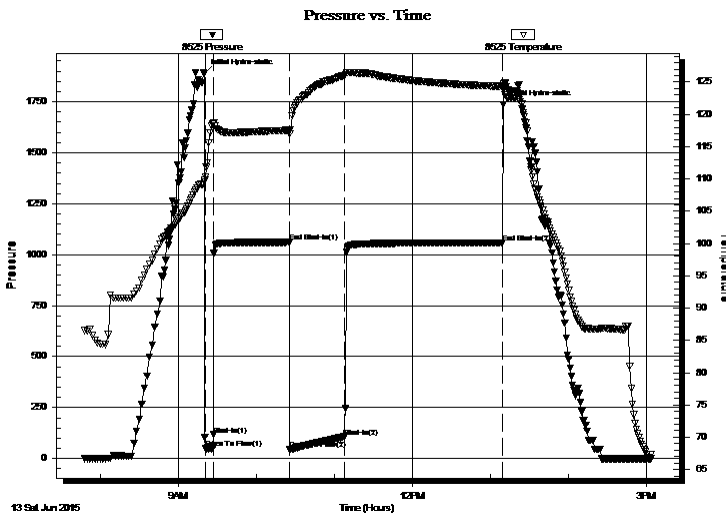
Last Calib.: 2015.06.14

Time On Btm: 2015.06.13 @ 09:20:00

Time Off Btm: 2015.06.13 @ 13:10:00

TEST COMMENT: 1st Open 5 min. Good blow built to 3.5 inches.
1st Shut in 60 min. No blow back.
2nd Open 45 min Good blow built to BOB in 38 min.
2nd Shut in 120 min No blow back.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.85	109.55	Initial Hydro-static
1	49.47	110.25	Open To Flow (1)
7	116.89	118.58	Shut-In(1)
66	1060.87	117.56	End Shut-In(1)
66	45.60	117.01	Open To Flow (2)
108	106.45	125.98	Shut-In(2)
230	1058.93	124.32	End Shut-In(2)
230	1735.83	124.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Clean oil 100%	0.05
182.00	Oil cut muddy w water	2.37
0.00	Mud 83% Water 15% Oil 2%	0.00

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62893

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 07:47:00

GENERAL INFORMATION:

Formation: **Lansing F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:21:00

Time Test Ended: 15:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: **3868.00 ft (KB) To 3892.00 ft (KB) (TVD)**

Reference Elevations: 2546.00 ft (KB)

Total Depth: 3892.00 ft (KB) (TVD)

2538.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

Serial #: 8875 Outside

Press @ Run Depth: psig @ 3887.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.06.13 End Date: 2015.06.13

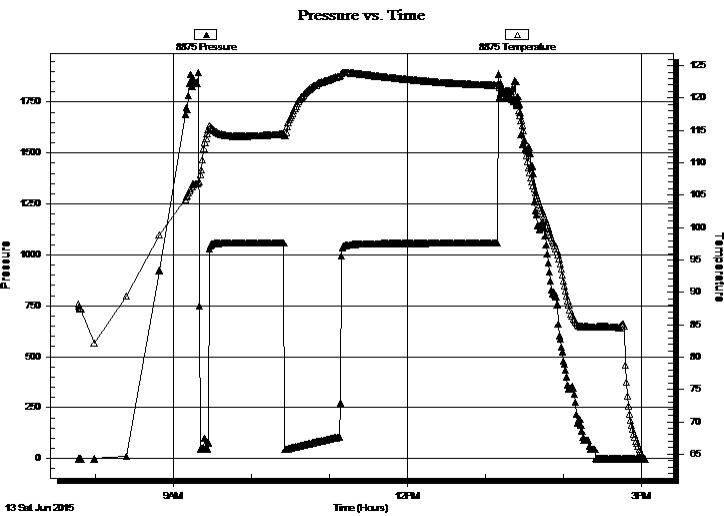
Last Calib.: 2015.06.14

Start Time: 07:47:05 End Time: 15:02:59

Time On Btm:

Time Off Btm:

TEST COMMENT: 1st Open 5 min. Good blow built to 3.5 inches.
1st Shut in 60 min. No blow back.
2nd Open 45 min Good blow built to BOB in 38 min.
2nd Shut in 120 min No blow back.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Clean oil 100%	0.05
182.00	Oil cut muddy water	2.37
0.00	Mud 83% Water 15% Oil 2%	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62893

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 07:47:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 700.00 ppm

Filter Cake: 3.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Clean oil 100%	0.049
182.00	Oil cut muddy w ater	2.368
0.00	Mud 83% Water15%Oil 2%	0.000

Total Length: 192.00 ft Total Volume: 2.417 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

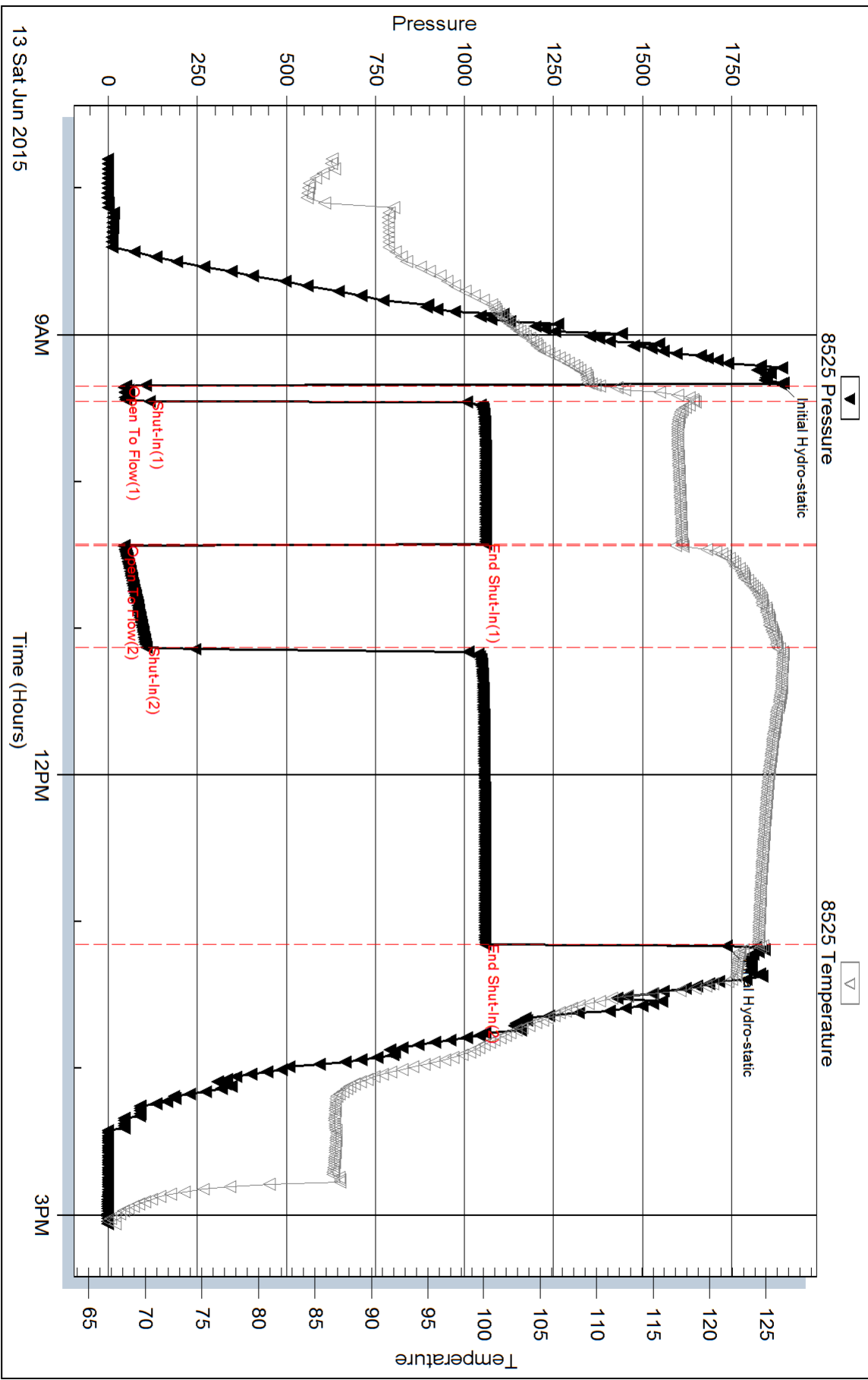
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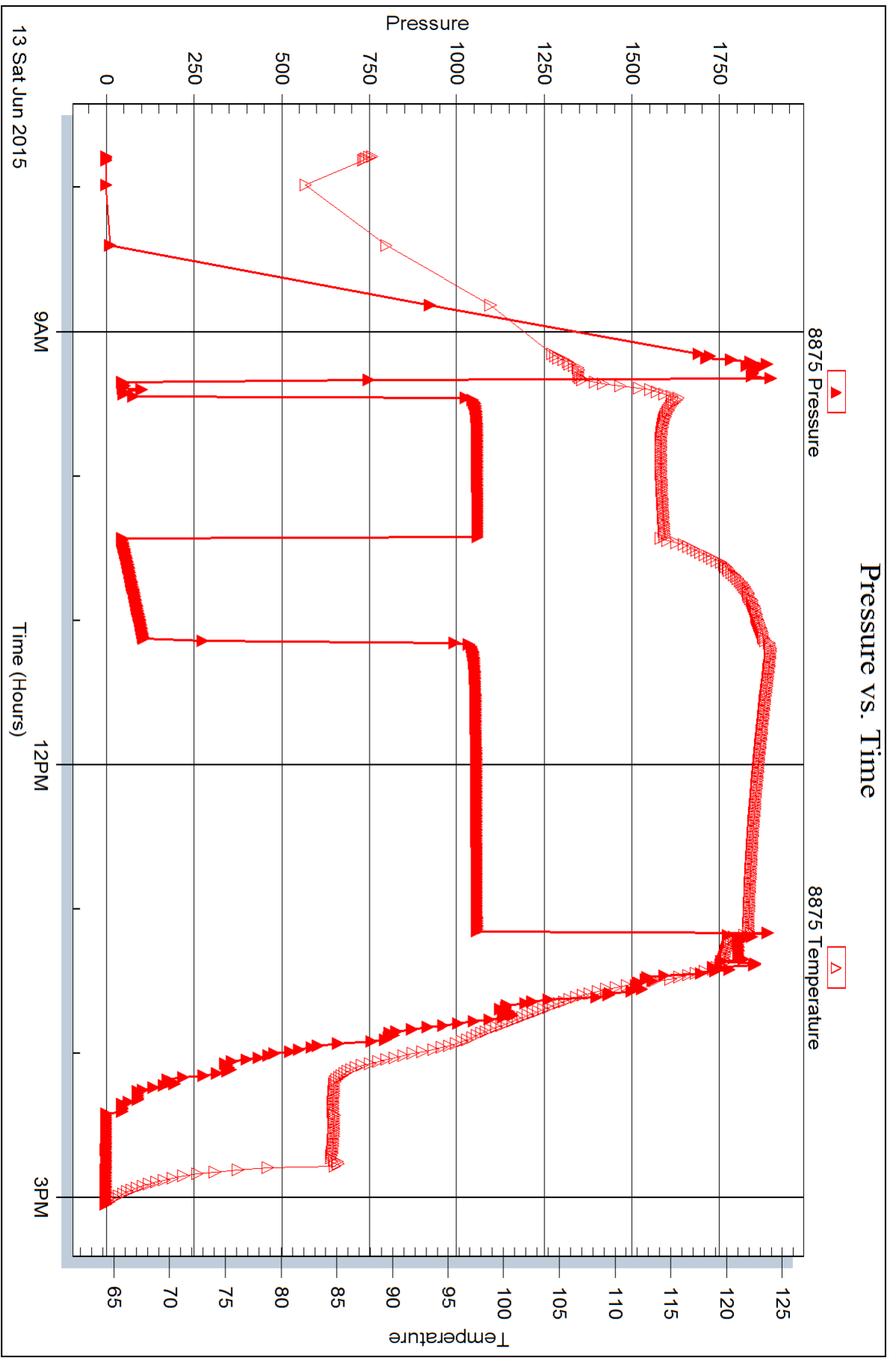
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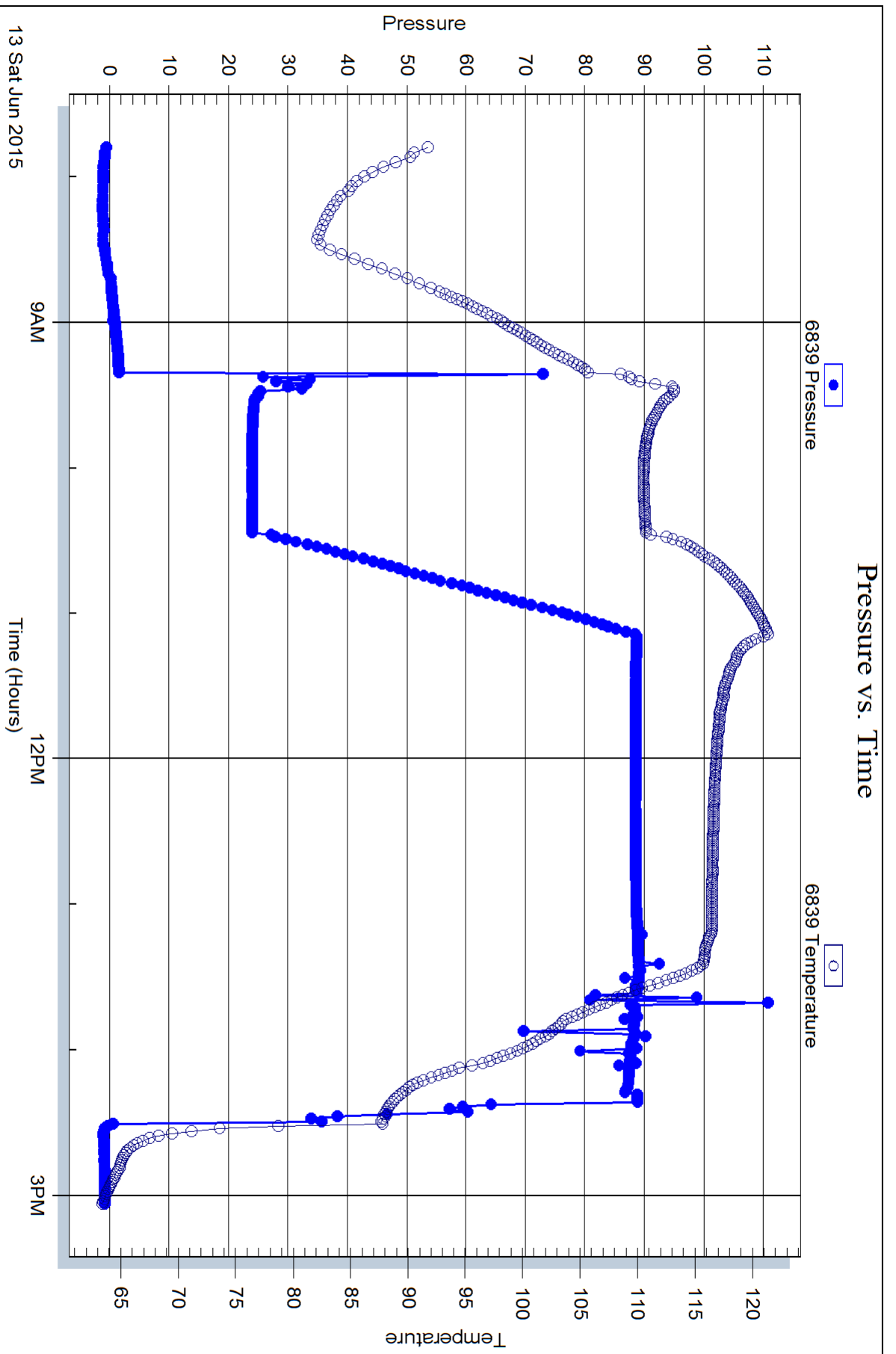
Laboratory Location:

Recovery Comments:

Pressure vs. Time









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

Well Name: SGA Roberts 1-16
Well Id:
Location: Sec. 16-10S-26W Sheridan County, KS
License Number: 15-179-21406-0000
Spud Date: June 8, 2015
Surface Coordinates: 1000' FSL / 550' FEL
Region: Wildcat
Drilling Completed: June 15, 2015

Bottom Hole
Coordinates:
Ground Elevation (ft): 2538' K.B. Elevation (ft): 2546'
Logged Interval (ft): 3500' To: 4370' Total Depth (ft): 4370'
Formation: Lansing / Kansas City
Type of Drilling Fluid: Natural Chemical

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

OPERATOR

Company: Samuel Gary Jr. & Assoc.
Address: 1515 Wynkoop, Ste. #700
Denver, CO 80202
Geo: Clayton Camozzi

GEOLOGIST

Name: Jeff Kamps
Company: EARTH TECH OGL, Inc.
Address: PO Box 683
Hooker, Okla 73945
1-580-652-3924
8918 5Th St
Great Bend, Ks. 67530
1-888-543-8378



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNkoop STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62891

DST#: 1

ATTN: Clayton Camozzi

Test Start: 2015.06.12 @ 03:45:00

GENERAL INFORMATION:

Formation: **Lansing C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:41:00

Time Test Ended: 08:48:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 59-Great Bend-250

Interval: **3820.00 ft (KB) To 3843.00 ft (KB) (TVD)**

Reference Elevations: 2546.00 ft (KB)

Total Depth: 3843.00 ft (KB) (TVD)

2538.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525

Press@RunDepth: 453.18 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2015.06.12

End Date:

2015.06.12

Last Callb.:

2015.06.12

Start Time: 03:46:00

End Time:

08:48:30

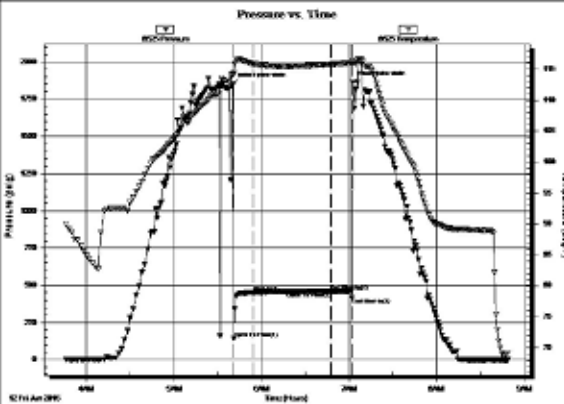
Time On Btm:

2015.06.12 @ 05:40:30

Time Off Btm:

2015.06.12 @ 07:02:30

TEST COMMENT: 1st open 10 min Weak surface blow.
1st shut in 60 min No blow back.
2nd open 10 min. Dead
2nd shut in N/A



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.16	114.17	Initial Hydro-static
1	143.01	114.31	Open To Flow (1)
14	453.18	115.89	Shut-in(1)
67	460.18	115.78	End Shut-in(1)
67	460.13	115.79	Open To Flow (2)
82	415.54	116.01	End Shut-in(2)
82	1863.41	116.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud 100%	1.55

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKOOP STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62892

DST#: 2

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 04:17:00

GENERAL INFORMATION:

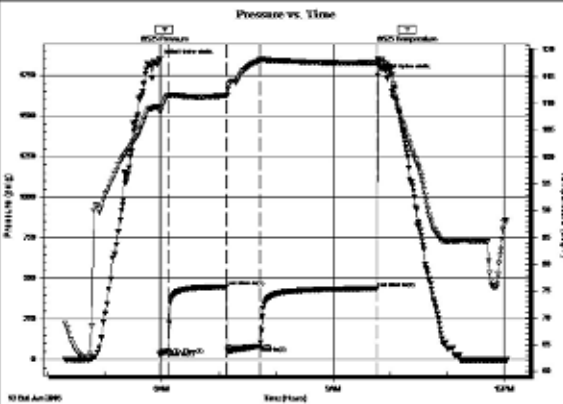
Formation: **Lansing C-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:57:30
 Time Test Ended: 12:02:30
 Interval: **3816.00 ft (KB) To 3858.00 ft (KB) (TVD)**
 Total Depth: 3858.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59-Great Bend-250
 Reference Elevations: 2546.00 ft (KB)
 2538.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525

Inside

Press@RunDepth: 83.70 psig @ 3853.00 ft (KB)
 Start Date: 2015.06.13 End Date: 2015.06.13
 Start Time: 04:18:00 End Time: 12:02:30
 Capacity: 5000.00 psig
 Last Callb.: 2015.06.13
 Time On Btm: 2015.06.13 @ 05:57:00
 Time Off Btm: 2015.06.13 @ 09:46:30

TEST COMMENT: 1st Open 10 min. Fair building blow built to 4 inches.
 1st Shut in 60 min. No blow back.
 2nd Open 40 min. Good building blow built to 6.5 inches.
 2nd Shut in 120 min. No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.58	109.28	Initial Hydro-static
1	32.13	108.64	Open To Flow (1)
10	53.39	111.42	Shut-in(1)
71	447.71	111.49	End Shut-in(1)
72	57.94	111.55	Open To Flow (2)
106	83.70	118.13	Shut-in(2)
229	438.06	117.67	End Shut-in(2)
230	1749.41	118.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Clean oil 100%	0.02
30.00	Oil cut mud 70% Oil 30% Mud	0.18
60.00	Oil cut mud 5% oil 90% Mud	0.84
47.00	Oil spotted mud 100% Mud	0.66

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Samuel Gary Jr. & Associates

16-10s-26w-Sheridan

1515 WYNKOOP STE 700
Denver Co. 80202

Robert 1-16

Job Ticket: 62893

DST#: 3

ATTN: Clayton Camozzi

Test Start: 2015.06.13 @ 07:47:00

GENERAL INFORMATION:

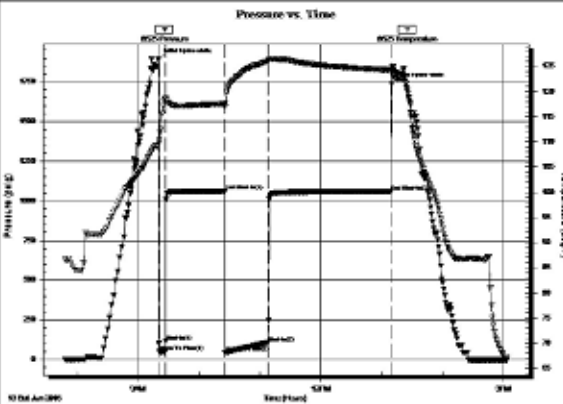
Formation: **Lansing F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:21:00
 Time Test Ended: 15:03:30
 Interval: **3868.00 ft (KB) To 3892.00 ft (KB) (TVD)**
 Total Depth: **3892.00 ft (KB) (TVD)**
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 59-Great Bend-250
 Reference Elevations: 2546.00 ft (KB)
 2538.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525

Inside

Press@RunDepth: 106.45 psig @ 3887.00 ft (KB)
 Start Date: 2015.06.13 End Date: 2015.06.13
 Start Time: 07:48:00 End Time: 15:03:30
 Capacity: 5000.00 psig
 Last Callb.: 2015.06.14
 Time On Btm: 2015.06.13 @ 09:20:00
 Time Off Btm: 2015.06.13 @ 13:10:00

TEST COMMENT: 1st Open 5 min. Good blow built to 3.5 inches.
 1st Shut in 60 min. No blow back.
 2nd Open 45 min Good blow built to BOB in 38 min.
 2nd Shut in 120 min No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1886.85	109.55	Initial Hydro-static
1	49.47	110.25	Open To Flow (1)
7	116.89	118.58	Shut-in(1)
66	1060.87	117.56	End Shut-in(1)
66	45.60	117.01	Open To Flow (2)
108	106.45	125.98	Shut-in(2)
230	1058.93	124.32	End Shut-in(2)
230	1735.83	124.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Clean oil 100%	0.05
182.00	Oil cut muddy water	2.37
0.00	Mud 83% Water 15% Oil 2%	0.00

Gas Rates

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

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

FOSSIL

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

MINERAL

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

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

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

STRINGER

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

TEXTURE

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

OTHER SYMBOLS

INTERVALS

- Core
- Dst
- Dst

EVENTS

- Rft
- Sidewall

POROSITY TYPE

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

SORTING

- Well
- Moderate
- Poor

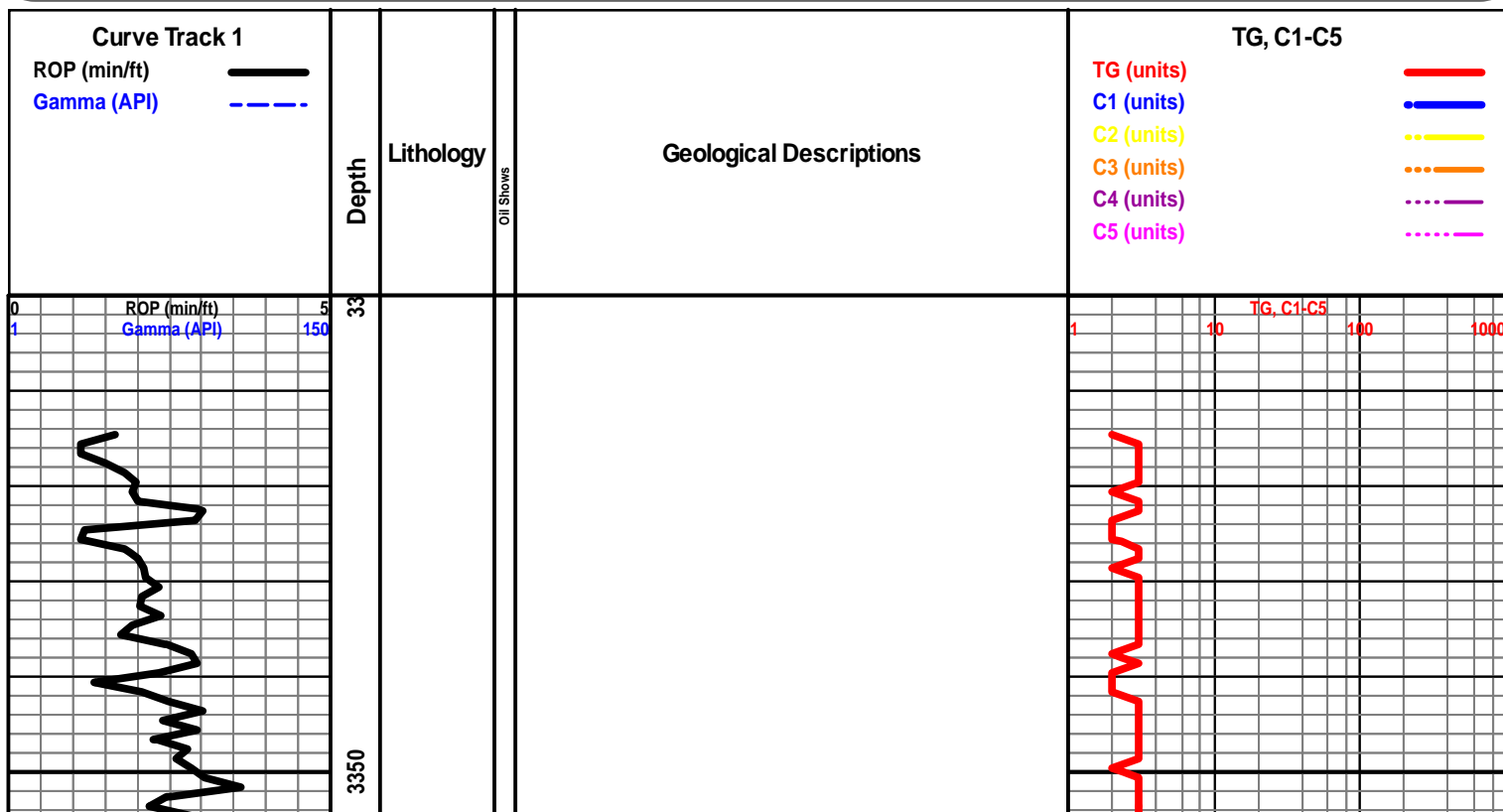
ROUNDING

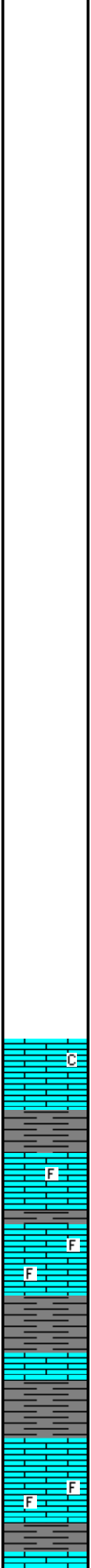
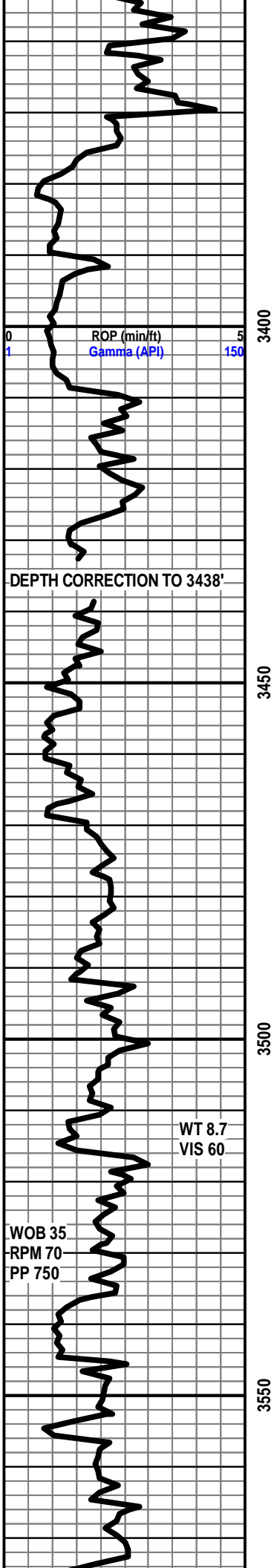
- Rounded
- Subrnd
- Subang

- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show





BEGIN 24 HOUR MANNED UNIT 6:00PM CST 6/11/15
 LS - OFF WHT TO LT GRY, CRM IP, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-CHLKY, LT TR IMBD SFT WHT CHLK, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

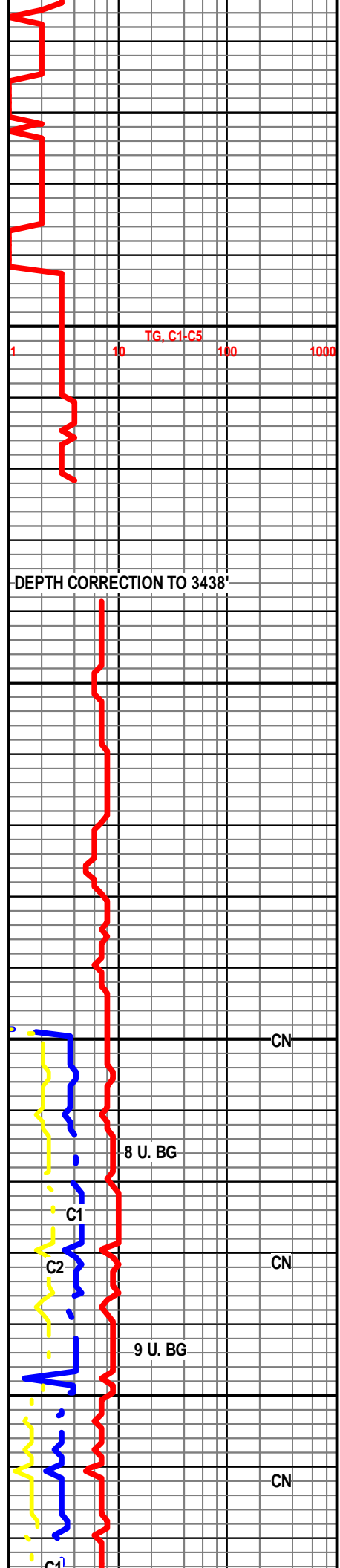
LS - OFF WHT TO LT GRY, CRM IP, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, NO VIS POR, NO CUT OR SHOW

SH - LT GRY TO GRY, SFT TO V SFT, SMTH SLTY TXT

TOPEKA 3556' (-1010')

LS - OFF WHT TO LT GRY, CRM IP, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, NO VIS POR, NO CUT OR SHOW

LS - CRM TO OFF WHT, LT GRY IP, HD DNS TO BRTT, FN



WT 8.7
 VIS 60

WOB 35
 RPM 70
 PP 750

TG, C1-C5

CN

8 U. BG

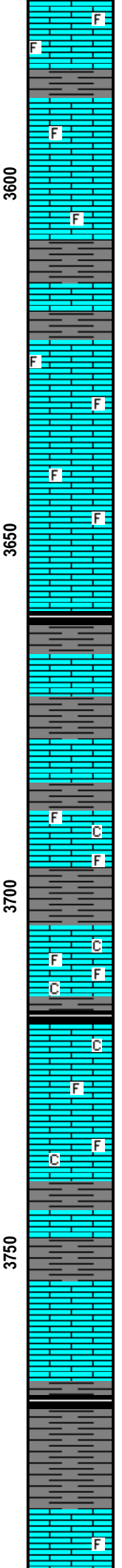
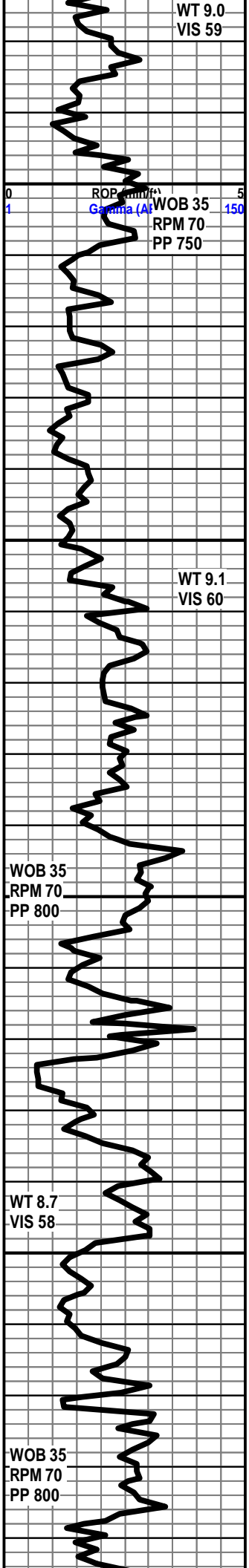
CN

9 U. BG

CN

C1
 C2

C1



TO MD-XLN, RE-XLN, S-SUCRO, TR IMBD FOSS FRAGS, TR IMBD CALC-XLS, DLL YEL MIN FLO IN 10%, PR INTER-XLN POR IN 2%, NO CUT OR SHOW

LS - OFF WHT TO CRM, LT GRY IP, HD DNS TO BRTT, MD-XLN TO RE-XLN, S-SUCRO, IMBD FOSS FRAGS, NO VIS FLO, PR INTER-FOSS POR IN 1%, NO CUT OR SHOW

LS - OFF WHT TO CRM, WHT IP, HD DNS TO BRTT, FN TO MD-XLN, S-SUCRO, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 30%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, TR IMBD GRY SH, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO LT GRY, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, LT TR IMBD BKCK CARB SH, DLL YEL MIN FLO IN 30%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO MD DNS, BRTT IP, FN TO VF-XLN, S-CHLKY, TR IMBD FOSS FRAGS, LT TR IMBD CALC-XLS, DLL YEL MIN FLO IN 40%, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRTT, FN TO VF-XLN, S-CHLKY, ABDT FREE SFT WHT CHLK, ABDT IMBD FOSS FRAGS, DLL YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-CHLKY, IMBD FOSS FRAGS, FREE SFT WHT CHLK, DLL YEL FLO IN 30%, FR INTER-FOSS POR IN 3%, NO CUT OR SHOW

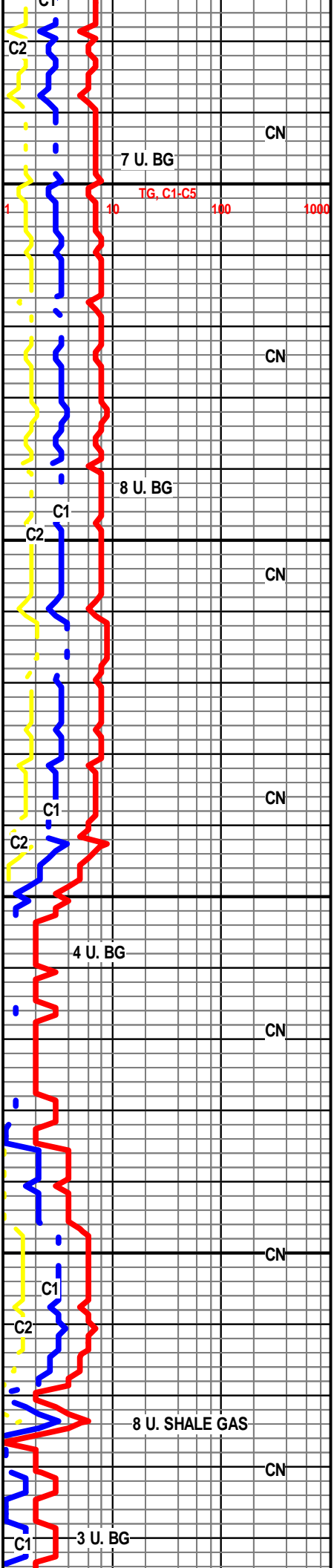
LS - OFF WHT TO LT GRY, HD DNS TO BRTT, MD-XLN TO RE-XLN, S-CHLKY, IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, NO VIS POR CUT OR SHOW

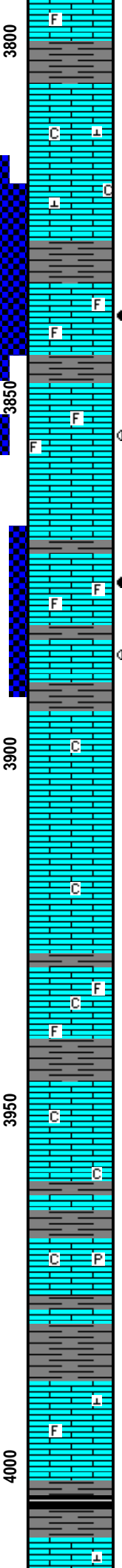
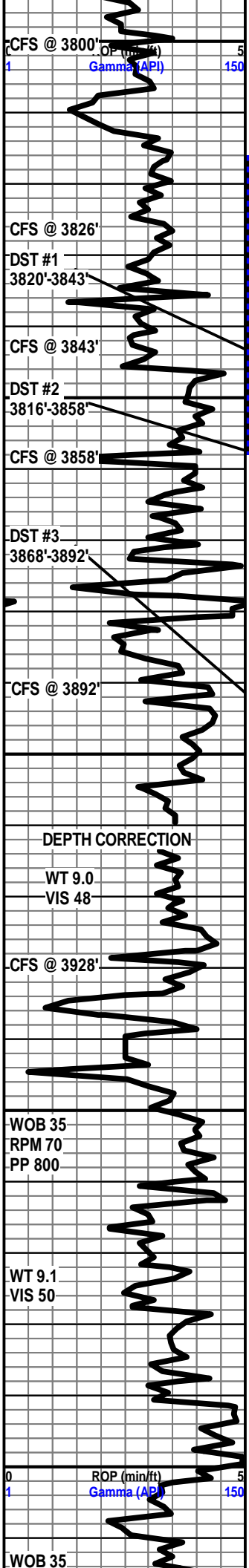
LS - OFF WHT TO CRM, HD DNS TO MD DNS, V BRTT, FN TO MD-XLN, RE-XLN, S-CHLKY, ABDT FREE SFT WHT CHLK, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

HEEBNER 3771' (-1225')

SH - GRY TO RD, FRM TO SFT IP, BLKY SMTH TXT

LS - OFF WHT TO CRM, HD DNS TO BRTT, FN TO VF-XLN, MD-XLN IP, S-SUCRO, IMBD FOSS FRAGS, DLL YEL MIN





FLO IN 50%, FR TO GD INTER-FOSS POR IN 4%, NO CUT OR SHOW

LANSING 3807' (-1261')

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO VF-XLN, S-SUCRO, TR IMBD CALC-XLS, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LANSING "C" 3835' (-1289')

LS - OFF WHT TO CRM (W/ TN OIL STN IN 50%) HD DNS TO V BRIT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, IMBD FOSS FRAGS, YEL GLD FLO IN 60%, SPTTD BRI YEL IN 30%, FR INTER-FOSS POR IN 3%, FR TO GD VUG POR IN 2%, FR MICRO VUG POR IN 1%, EXCEL INST FLUSH CUT, FR TO GD SLOW STRM CUT IN 50%, FAIR OIL ODOR, LIVE OIL ON SAMPLES

LS - OFF WHT TO CRM(W/ TN OIL STN IN 60%) HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, LT TR IMBD FOSS FRAGS, YEL GLD FLO IN 40%, SPTTD BRI YEL IN 30%, FR VUG POR IN 3%, GD INTER-XLN POR IN 2%, GD INST FLSH CUT, GD SLOW STRM CUT IN 40%, STRONG OIL ODOR, LIVE OIL ON SAMPLES

LS - OFF WHT TO CRM(W/ LT TN OIL STN IN 50%) HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, IMBD FOSS FRAGS IP, YEL GLD FLO IN 50%, SPTTD BRI YEL IN 20%, GD TO EXCEL VUG POR IN 2%, FR INTER-FOSS POR IN 2%, EXCEL INST FLUSH CUT, FR TO GD SLOW STRM CUT IN 20%, STRONG OIL ODOR, LIVE OIL ON SAMPLES AND IN SAMPLE CUP

LS - OFF WHT TO CRM,(W/ LT TN OIL STN IN 20%) HD DNS TO BRIT, FN TO MD-XLN, TR FREE SFT WHT CHLK, YEL GLD FLO IN 20%, FR VUG POR IN 3%, FR INST FLUSH CUT, FR SLOW STRM CUT IN 10%, LT OIL ODOR

LS - WHT TO CRM, HD DNS TO BRIT, FN TO VF-XLN, S-SUCRO, LT TR FREE SFT WHT CHLK, YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LS - WHT TO OFF WHT, HD DNS TO BRIT, FN TO VF-XLN, CRYPTO XLN IP, S-SUCRO, TR FREE SFT WHT CHLK, YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LANSING "H" 3939' (-1383')

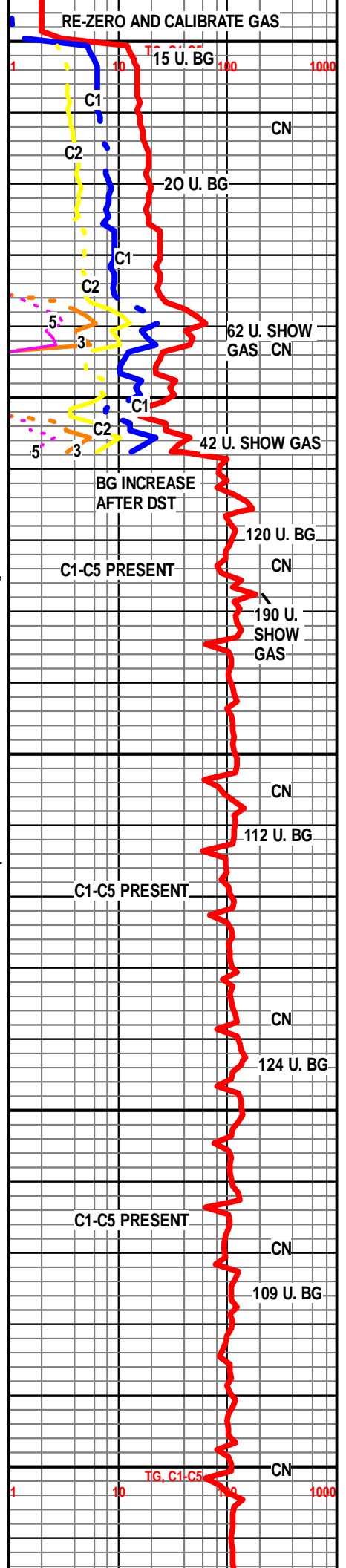
LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, LT TR IMBD FOSS FRAGS, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO IN 30%, NO VIS POR, NO CUT OR SHOW

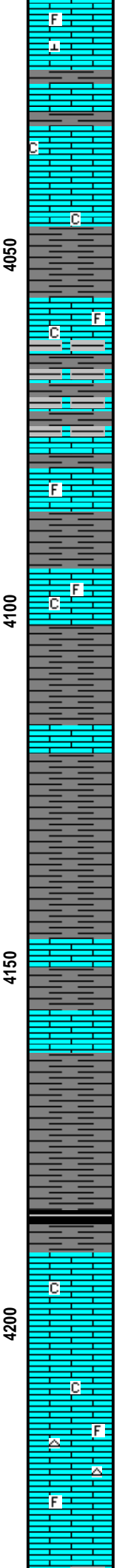
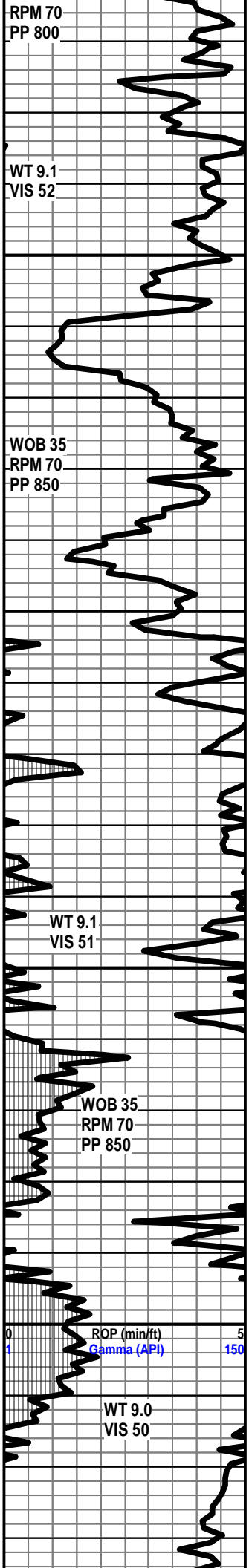
LS - OFF WHT TO CRM, MOTT, HD DNS TO BRIT, FN TO MD-XLN, RE-XLN, S-SUCRO, IMBD GRY SH, LT TR FREE SFT WHT CHLK, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRIT, FN TO MD-XLN, S-SUCRO, IMBD PYR, LT TR FREE SFT WHT CHLK, DLL YEL MIN FLO IN 40%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM, WHT IP, HD DNS TO BRIT, FN TO VF-XLN, S-SUCRO, TR IMBD GRY SH, IMBD FOSS FRAGS, LT TR IMBD CALC-XLS, DLL YEL MIN FLO IN 20%, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM, WHT IP, HD DNS TO BRIT, FN TO





VF-XLN, S-CHLKY, TR IMBD CALC-XLS, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRTT, FN TO MD-XLN, S-SUCRO, LT TR IMBD GRY SH, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

BKC 4046' (-1500')

LS - OFF WHT TO WHT, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN IP, S-SUCRO, IMBD GRY SH, LT TR IMBD FOSS FRAGS, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

SH - GRY TO DRK GRY, FRM TO SFT IP, SMTH TXT, FREE OFF WHT FN-XLN LS IP

LS - OFF WHT TO WHT, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, FREE GRY SH THRU, TR FREE SFT WHT CHLK, YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, HD DNS TO BRTT, FN TO VF-XLN, S-SUCRO, LT TR IMBD FOSS FRAGS, DLL YEL MIN FLO IN 20%, NO VIS POR, NO CUT OR SHOW

SH - GRY TO DRK GRY, RD IP, FRM TO SFT IP, BLKY SMTH TXT

SH - GRY TO LT GRY, FRM TO SFT IP, BLKY SMTH TXT

LS - OFF WHT TO CRM, MOTT, HD DNS TO BRTT, FN TO MD-XLN, RE-XLN, ABDT IMBD SH, NO VIS FLO, NO VIS POR, NO CUT OR SHOW

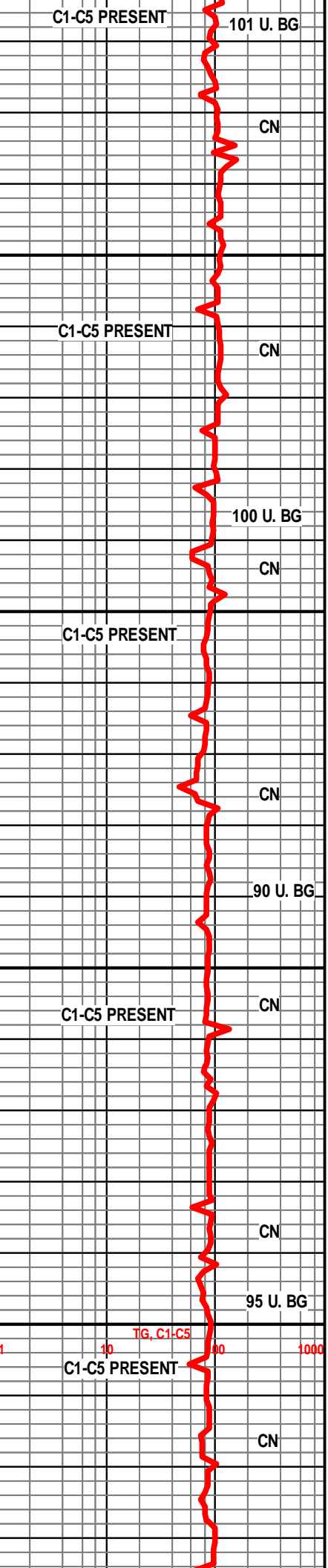
SH - GRY TO DRK GRY, RD IP, FRM TO V FRM, SFT IP, BKLY SMTH TXT

LABETTE 4185' (-1639')

LS - OFF WHT TO GRY, HD DNS TO BRTT, FN TO VF-XLN, TR IMBD FOSS FRAGS, ABDT FREE SFT TO FRM GRY SH, DLL YEL MIN FLO IN 20%, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

LS - OFF WHT TO LT GRY, HD DNS TO BRTT, FN TO VF-XLN, MD-XLN IP, S-SUCRO, TR IMBD FOSS FRAGS, LT TR FREE S-ANG OFF WHT CHRT, ABDT FREE GRY SH THRU, DLL YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - LT GRY TO OFF WHT IP, HD DNS TO MD DNS



WOB 35
RPM 70
PP 850

4250

WT 9.0
VIS 51

4300

WOB 35
RPM 70
PP 850

4350

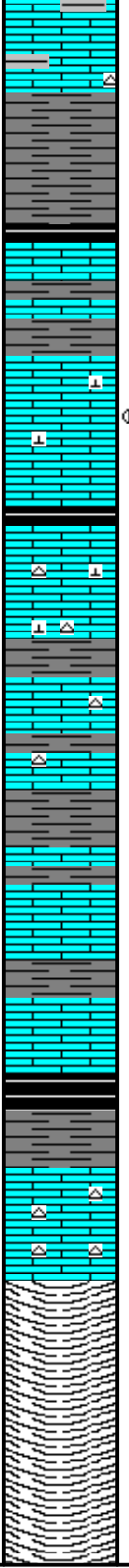
R.T.D. @ 4370'

SHORT TRIP

C.T.C.H. 1 HOUR

T.O.F.L

00



LS - LT GRAY TO OFF WHT IP, HD DNS TO MD DNS,
S-SUCRO, ABDT FREE SFT GRAY SH, DLL YEL MIN FLO IP,
NO VIS POR, NO CUT OR SHOW

SH - GRAY TO DRK GRAY, BLK IP, FRM TO SFT, GMMY IP,
SMTH TXT

FT SCOTT 4260 (-1714')

SH - LT GRAY TO DRK GRAY, FRM TO SFT IP, BLKY SMTH
TXT

LS - OFF WHT TO WHT, CRM IP(W/ LT TN OIL STN IN 20%) HD DNS TO
BRTT, FN TO MD-XLN, LT TR IMBD CALC-XLS, YEL GLD FLO IN 30%,
SPTTD BRI YEL IN 5%, FR VUG POR IN 1%, PR INTER-XLN POR IN 1%, PR
INST FLUSH CUT, PR SLOW STRM CUT IN 5%, FAINT OIL ODOR, NO STN
ON DISH

CHEROKEE 4290' (-1744')

LS - OFF WHT TO LT GRAY, MOTT, HD DNS TO BRTT, FN TO
MD-XLN, RE-XLN IP, S-SUCRO, TR IMBD CALC-XLS, TR
FREE S-ANG OFF WHT CHRT, NO VIS FLO, NO VIS POR,
NO CUTO OR SHOW

LS - OFF WHT TO CRM, HD DNS TO BRTT, FN TO VF-XLN,
MD-XLN IP, S-SUCRO, FREE S-ANG OFF WHT CHRT, DLL
YEL MIN FLO IP, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO WHT, CRM IP, HD DNS TO BRTT, FN TO
MD-XLN, S-CHLKY, TR FREE S-ANG WHT CHRT, DLL YEL
MIN FLO IN 205, NO VIS POR, NO CUT OR SHOW

LS - OFF WHT TO CRM, HD DNS TO BRTT, FN TO MD-XLN,
S-SUCRO, LT TR IMB FOSS FRAGS, DLL YEL MIN FLO IN
20%, PR INTER-XLN POR IN 1%, NO CUT OR SHOW

LS - OFF WHT TO LT GRAY, CRM IP, HD DNS TO BRTT, FN
TO MD-XLN, S-SUCRO, FREE S-ANG OFF WHT CHRT, DLL
YEL MIN FLO THRU, NO VIS POR, NO CUT OR SHOW

R.T.D. @ 4370' AT 2:45 PM CST ON JUNE 15, 2015

LOGGING SERVICES COMPLETED BY: WEATHERFORD

95 U. BG
C1- C5 PRESENT CN

80 U. BG
C1-C5 PRESENT CN

95 U. BG
CN

100 U. BG
C1-C5 PRESENT

CN

R.T.D. @ 4370'

THANK YOU FOR
CHOOSING EARTH
TECH

LOG COMPLETED BY:
JEFF KAMPS

